

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

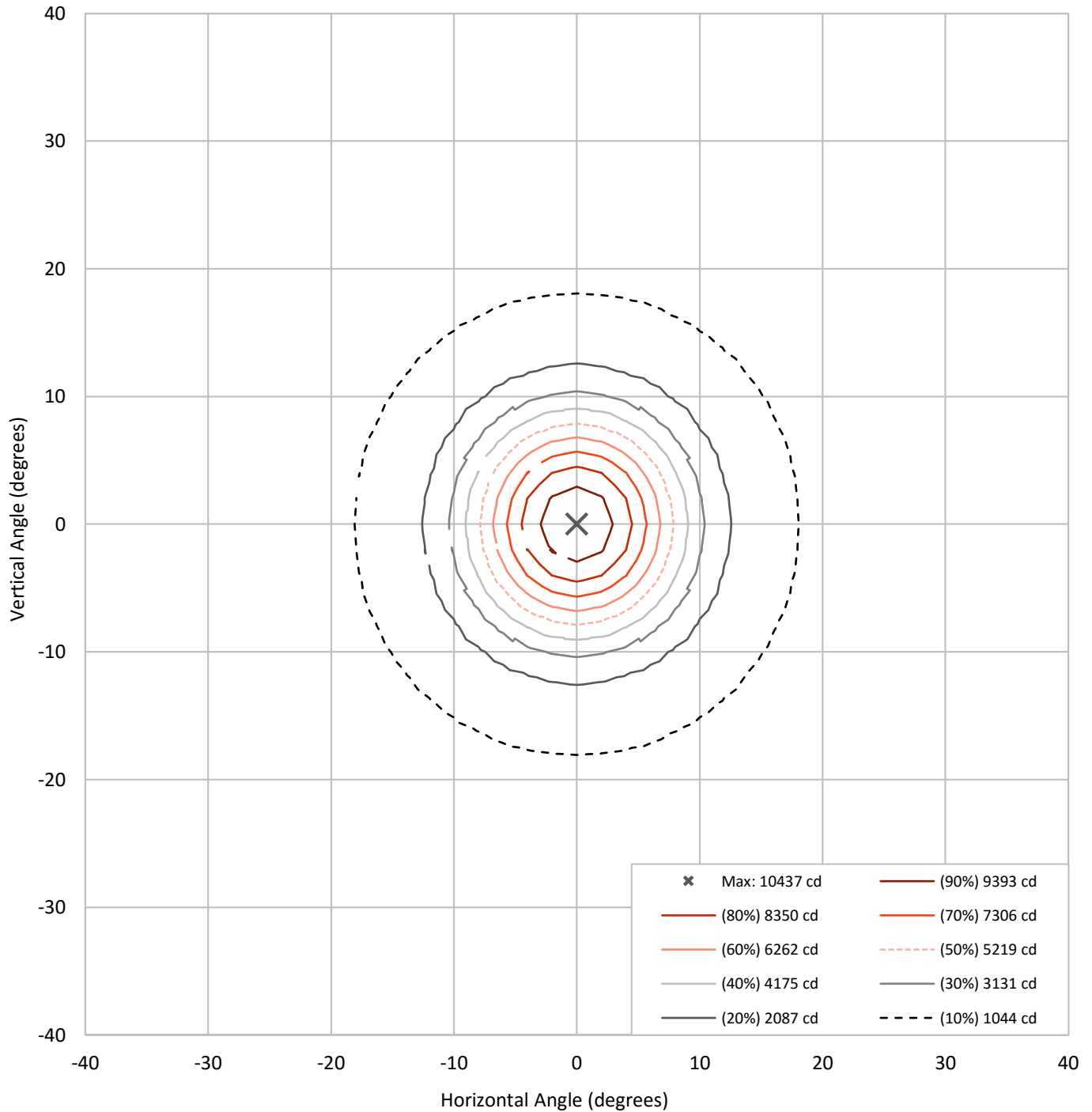
Test Method: LM-79-08  
Report Number: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT  
OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                                   |                               |                      |                 |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp:                  | N/A                           | NEMA Type:           | 3H x 3V         |
| Luminaire Lumens:                 | 1423.5 lumens                 | Max Intensity:       | 10437 candela   |
| Efficiency:                       | N/A                           | Max Intensity Angle: | 0°H x 0°V       |
| Efficacy:                         | 70.8 lumens/watt              |                      |                 |
| Luminous Opening:                 | Circular (Dia: 0.25' x H: 0') |                      |                 |
| Beam Angle (50%):                 | 15.8°H x 15.8°V               | Field Angle (10%):   | 36.1°H x 36.1°V |
| Beam Lumens:                      | 434.3 lumens                  | Field Lumens:        | 958.4 lumens    |
| Beam Efficiency:                  | 30.5%                         | Field Efficiency:    | 67.3%           |
| Input Watts (W):                  | 20.1                          |                      |                 |
| Input Voltage (V):                | 120                           |                      |                 |
| Input Current (Ain):              | NR                            |                      |                 |
| Voltage Rise (V):                 | NR                            |                      |                 |
| Power Factor:                     | NR                            |                      |                 |
| Total Harmonic Distortion (THDi): | NR                            |                      |                 |
| Frequency (hertz):                | 60                            |                      |                 |
| Stabilization Time:               | NR                            |                      |                 |
| Operation Time:                   | NR                            |                      |                 |
| Ambient Temperature (°C):         | NR                            |                      |                 |
| Test Distance:                    | 25 FT                         |                      |                 |

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### Iso-Candela Plot





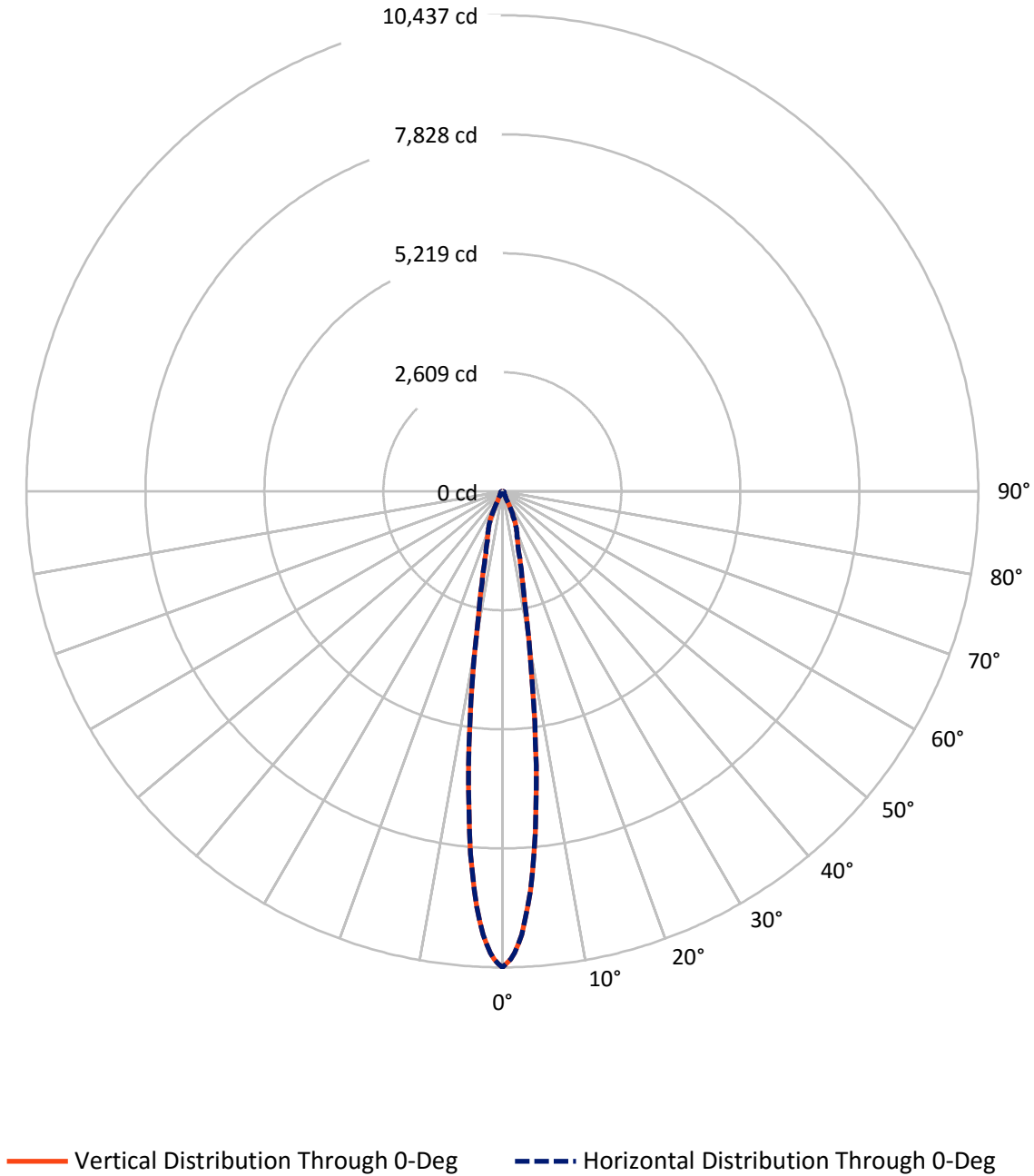
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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

### Lumen Table

|     |     |     |     |     |     |      |      |       |       |      |      |     |     |     |     |     |  |  |
|-----|-----|-----|-----|-----|-----|------|------|-------|-------|------|------|-----|-----|-----|-----|-----|--|--|
| 90  | 0.1 | 0.4 | 0.9 | 1.3 | 1.4 | 1.3  | 0.9  | 0.4   | 0.1   |      |      |     |     |     |     |     |  |  |
| 80  | 0.1 | 0.4 | 0.9 | 1.3 | 1.4 | 1.3  | 0.9  | 0.4   | 0.1   |      |      |     |     |     |     |     |  |  |
| 70  | 0.2 | 0.2 | 0.3 | 0.4 | 0.6 | 0.8  | 1.0  | 1.1   | 1.1   | 1.0  | 0.8  | 0.6 | 0.4 | 0.3 | 0.2 | 0.2 |  |  |
| 60  |     | 0.2 | 0.4 | 0.7 | 1.1 | 1.3  | 1.5  | 1.6   | 1.6   | 1.5  | 1.3  | 1.1 | 0.7 | 0.4 | 0.2 |     |  |  |
| 50  | 0.3 | 0.3 | 0.6 | 1.0 | 1.3 | 1.5  | 1.6  | 1.7   | 1.7   | 1.6  | 1.5  | 1.3 | 1.0 | 0.6 | 0.3 | 0.3 |  |  |
| 40  |     | 0.3 | 0.8 | 1.1 | 1.4 | 1.7  | 1.9  | 2.2   | 2.2   | 1.9  | 1.7  | 1.4 | 1.1 | 0.8 | 0.3 |     |  |  |
| 30  | 0.3 | 0.4 | 0.9 | 1.2 | 1.5 | 2.0  | 5.3  | 12.1  | 12.1  | 5.3  | 2.0  | 1.5 | 1.2 | 0.9 | 0.4 | 0.3 |  |  |
| 20  |     | 0.4 | 0.9 | 1.2 | 1.6 | 5.0  | 23.2 | 42.9  | 42.9  | 23.2 | 5.0  | 1.6 | 1.2 | 0.9 | 0.4 |     |  |  |
| 10  | 0.3 | 0.5 | 0.9 | 1.2 | 1.8 | 11.2 | 41.8 | 167.0 | 167.0 | 41.8 | 11.2 | 1.8 | 1.2 | 0.9 | 0.5 | 0.3 |  |  |
| 0   |     | 0.5 | 0.9 | 1.2 | 1.8 | 11.2 | 41.8 | 167.0 | 167.0 | 41.8 | 11.2 | 1.8 | 1.2 | 0.9 | 0.5 |     |  |  |
| -10 | 0.3 | 0.4 | 0.9 | 1.2 | 1.6 | 5.0  | 23.2 | 42.9  | 42.9  | 23.2 | 5.0  | 1.6 | 1.2 | 0.9 | 0.4 | 0.3 |  |  |
| -20 |     | 0.4 | 0.9 | 1.2 | 1.5 | 2.0  | 5.3  | 12.1  | 12.1  | 5.3  | 2.0  | 1.5 | 1.2 | 0.9 | 0.4 |     |  |  |
| -30 | 0.3 | 0.3 | 0.8 | 1.1 | 1.4 | 1.7  | 1.9  | 2.2   | 2.2   | 1.9  | 1.7  | 1.4 | 1.1 | 0.8 | 0.3 | 0.3 |  |  |
| -40 |     | 0.3 | 0.6 | 1.0 | 1.3 | 1.5  | 1.6  | 1.7   | 1.7   | 1.6  | 1.5  | 1.3 | 1.0 | 0.6 | 0.3 |     |  |  |
| -50 | 0.2 | 0.2 | 0.4 | 0.7 | 1.1 | 1.3  | 1.5  | 1.6   | 1.6   | 1.5  | 1.3  | 1.1 | 0.7 | 0.4 | 0.2 | 0.2 |  |  |
| -60 |     | 0.2 | 0.3 | 0.4 | 0.6 | 0.8  | 1.0  | 1.1   | 1.1   | 1.0  | 0.8  | 0.6 | 0.4 | 0.3 | 0.2 |     |  |  |
| -70 | 0.1 | 0.4 | 0.9 | 1.3 | 1.4 | 1.3  | 0.9  | 0.4   | 0.1   |      |      |     |     |     | 0.1 |     |  |  |
| -80 |     | 0.4 | 0.9 | 1.3 | 1.4 | 1.3  | 0.9  | 0.4   | 0.1   |      |      |     |     |     |     |     |  |  |
| -90 | 0.1 | 0.4 | 0.9 | 1.3 | 1.4 | 1.3  | 0.9  | 0.4   | 0.1   |      |      |     |     |     |     |     |  |  |

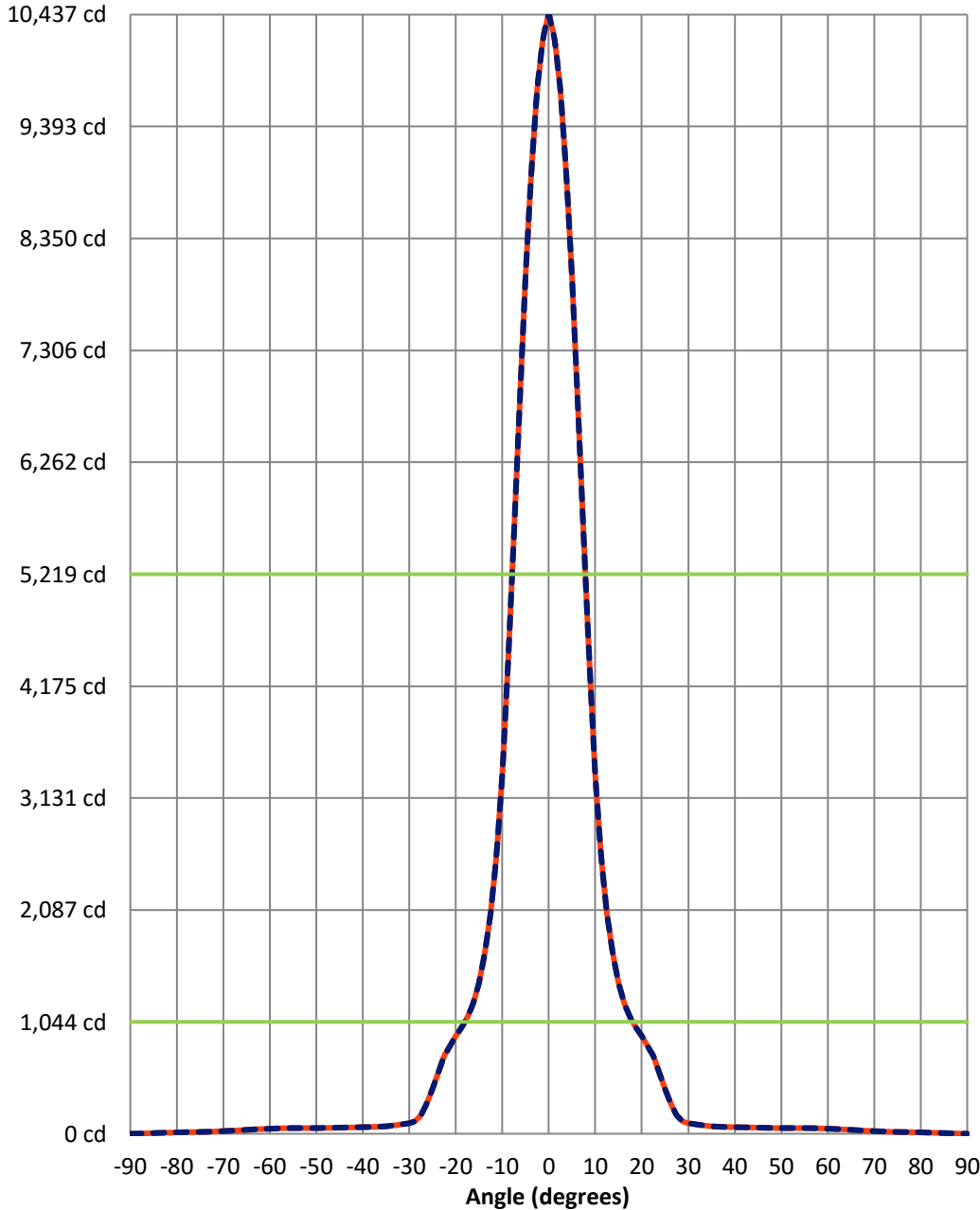
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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.8°  
 V Angle: 15.8°  
 Lumens: 434.3  
 Efficiency: 30.5%

**Field:**  
 H Angle: 36.1°  
 V Angle: 36.1°  
 Lumens: 958.4  
 Efficiency: 67.3%

**Spill:**  
 Lumens: 465.1  
 Efficiency: 32.7%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg

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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

|        | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|--------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 90°    | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    |
| 88.75° | 0.0  | 0.0     | 0.1    | 0.1     | 0.1  | 0.1     | 0.2    | 0.2     | 0.2  | 0.2     | 0.3    |
| 87.5°  | 0.0  | 0.1     | 0.1    | 0.2     | 0.2  | 0.3     | 0.3    | 0.4     | 0.4  | 0.5     | 0.5    |
| 86.25° | 0.0  | 0.1     | 0.2    | 0.2     | 0.3  | 0.4     | 0.5    | 0.5     | 0.6  | 0.7     | 0.8    |
| 85°    | 0.0  | 0.1     | 0.2    | 0.3     | 0.4  | 0.5     | 0.6    | 0.7     | 0.8  | 0.9     | 1.0    |
| 83.75° | 0.0  | 0.1     | 0.3    | 0.4     | 0.5  | 0.7     | 0.8    | 0.9     | 1.0  | 1.2     | 1.3    |
| 82.5°  | 0.0  | 0.2     | 0.3    | 0.5     | 0.6  | 0.8     | 0.9    | 1.1     | 1.2  | 1.4     | 1.6    |
| 81.25° | 0.0  | 0.2     | 0.4    | 0.5     | 0.7  | 0.9     | 1.1    | 1.3     | 1.5  | 1.6     | 1.8    |
| 80°    | 0.0  | 0.2     | 0.4    | 0.6     | 0.8  | 1.0     | 1.2    | 1.5     | 1.7  | 1.9     | 2.1    |
| 78.75° | 0.0  | 0.2     | 0.5    | 0.7     | 0.9  | 1.2     | 1.4    | 1.6     | 1.9  | 2.1     | 2.3    |
| 77.5°  | 0.0  | 0.3     | 0.5    | 0.8     | 1.0  | 1.3     | 1.6    | 1.8     | 2.1  | 2.3     | 2.7    |
| 76.25° | 0.0  | 0.3     | 0.6    | 0.9     | 1.1  | 1.4     | 1.7    | 2.0     | 2.3  | 2.6     | 3.1    |
| 75°    | 0.0  | 0.3     | 0.6    | 0.9     | 1.2  | 1.6     | 1.9    | 2.2     | 2.5  | 3.0     | 3.5    |
| 73.75° | 0.0  | 0.3     | 0.7    | 1.0     | 1.3  | 1.7     | 2.0    | 2.3     | 2.8  | 3.4     | 3.9    |
| 72.5°  | 0.0  | 0.4     | 0.7    | 1.1     | 1.4  | 1.8     | 2.2    | 2.6     | 3.2  | 3.7     | 4.3    |
| 71.25° | 0.0  | 0.4     | 0.8    | 1.2     | 1.5  | 1.9     | 2.3    | 2.9     | 3.5  | 4.1     | 4.7    |
| 70°    | 0.0  | 0.4     | 0.8    | 1.2     | 1.6  | 2.0     | 2.5    | 3.2     | 3.8  | 4.5     | 5.1    |
| 68.75° | 0.0  | 0.4     | 0.9    | 1.3     | 1.7  | 2.2     | 2.7    | 3.4     | 4.1  | 4.8     | 5.5    |
| 67.5°  | 0.0  | 0.5     | 0.9    | 1.4     | 1.8  | 2.3     | 3.0    | 3.7     | 4.4  | 5.2     | 5.9    |
| 66.25° | 0.0  | 0.5     | 1.0    | 1.4     | 1.9  | 2.4     | 3.2    | 4.0     | 4.8  | 5.5     | 6.3    |
| 65°    | 0.0  | 0.5     | 1.0    | 1.5     | 2.0  | 2.6     | 3.4    | 4.3     | 5.1  | 5.9     | 6.6    |
| 63.75° | 0.0  | 0.5     | 1.1    | 1.6     | 2.1  | 2.8     | 3.7    | 4.5     | 5.4  | 6.2     | 6.9    |
| 62.5°  | 0.0  | 0.6     | 1.1    | 1.7     | 2.2  | 3.0     | 3.9    | 4.8     | 5.7  | 6.5     | 7.2    |
| 61.25° | 0.0  | 0.6     | 1.2    | 1.7     | 2.3  | 3.2     | 4.1    | 5.0     | 6.0  | 6.8     | 7.5    |
| 60°    | 0.0  | 0.6     | 1.2    | 1.8     | 2.4  | 3.4     | 4.3    | 5.3     | 6.3  | 7.1     | 7.9    |
| 58.75° | 0.0  | 0.6     | 1.2    | 1.9     | 2.5  | 3.6     | 4.6    | 5.6     | 6.5  | 7.3     | 8.2    |
| 57.5°  | 0.0  | 0.6     | 1.3    | 1.9     | 2.7  | 3.7     | 4.8    | 5.8     | 6.8  | 7.6     | 8.4    |
| 56.25° | 0.0  | 0.7     | 1.3    | 2.0     | 2.8  | 3.9     | 5.0    | 6.1     | 7.0  | 7.9     | 8.7    |
| 55°    | 0.0  | 0.7     | 1.4    | 2.1     | 3.0  | 4.1     | 5.2    | 6.3     | 7.2  | 8.1     | 9.0    |
| 53.75° | 0.0  | 0.7     | 1.4    | 2.1     | 3.1  | 4.3     | 5.4    | 6.5     | 7.4  | 8.4     | 9.3    |
| 52.5°  | 0.0  | 0.7     | 1.5    | 2.2     | 3.2  | 4.4     | 5.6    | 6.7     | 7.7  | 8.6     | 9.6    |
| 51.25° | 0.0  | 0.8     | 1.5    | 2.3     | 3.4  | 4.6     | 5.8    | 6.9     | 7.9  | 8.9     | 9.9    |
| 50°    | 0.0  | 0.8     | 1.5    | 2.3     | 3.5  | 4.8     | 6.0    | 7.1     | 8.1  | 9.1     | 10.1   |
| 48.75° | 0.0  | 0.8     | 1.6    | 2.4     | 3.6  | 4.9     | 6.2    | 7.3     | 8.3  | 9.4     | 10.4   |
| 47.5°  | 0.0  | 0.8     | 1.6    | 2.5     | 3.8  | 5.1     | 6.4    | 7.5     | 8.5  | 9.6     | 10.7   |
| 46.25° | 0.0  | 0.8     | 1.7    | 2.5     | 3.9  | 5.2     | 6.5    | 7.6     | 8.7  | 9.8     | 10.9   |
| 45°    | 0.0  | 0.8     | 1.7    | 2.6     | 4.0  | 5.4     | 6.7    | 7.8     | 8.9  | 10.0    | 11.2   |
| 43.75° | 0.0  | 0.9     | 1.7    | 2.7     | 4.1  | 5.5     | 6.8    | 8.0     | 9.1  | 10.3    | 11.4   |
| 42.5°  | 0.0  | 0.9     | 1.8    | 2.8     | 4.2  | 5.7     | 7.0    | 8.1     | 9.3  | 10.5    | 11.7   |
| 41.25° | 0.0  | 0.9     | 1.8    | 2.9     | 4.4  | 5.8     | 7.1    | 8.3     | 9.5  | 10.7    | 11.9   |
| 40°    | 0.0  | 0.9     | 1.8    | 3.0     | 4.5  | 6.0     | 7.2    | 8.5     | 9.7  | 10.9    | 12.1   |
| 38.75° | 0.0  | 0.9     | 1.9    | 3.1     | 4.6  | 6.1     | 7.4    | 8.6     | 9.9  | 11.1    | 12.3   |
| 37.5°  | 0.0  | 1.0     | 1.9    | 3.1     | 4.7  | 6.2     | 7.5    | 8.8     | 10.0 | 11.3    | 12.6   |
| 36.25° | 0.0  | 1.0     | 1.9    | 3.2     | 4.8  | 6.3     | 7.6    | 8.9     | 10.2 | 11.5    | 12.8   |
| 35°    | 0.0  | 1.0     | 2.0    | 3.3     | 4.9  | 6.4     | 7.8    | 9.1     | 10.4 | 11.7    | 12.9   |



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**CANDELA DISTRIBUTION (continued):**

|         | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 33.75°  | 0.0  | 1.0     | 2.0    | 3.4     | 5.0  | 6.5     | 7.9    | 9.2     | 10.5 | 11.8    | 13.1   |
| 32.5°   | 0.0  | 1.0     | 2.0    | 3.4     | 5.1  | 6.6     | 8.0    | 9.3     | 10.7 | 12.0    | 13.2   |
| 31.25°  | 0.0  | 1.0     | 2.1    | 3.5     | 5.2  | 6.7     | 8.1    | 9.5     | 10.8 | 12.2    | 13.3   |
| 30°     | 0.0  | 1.0     | 2.1    | 3.6     | 5.3  | 6.8     | 8.2    | 9.6     | 11.0 | 12.4    | 13.5   |
| 28.75°  | 0.0  | 1.1     | 2.1    | 3.6     | 5.3  | 6.9     | 8.3    | 9.7     | 11.1 | 12.5    | 13.6   |
| 27.5°   | 0.0  | 1.1     | 2.1    | 3.7     | 5.4  | 7.0     | 8.4    | 9.8     | 11.2 | 12.7    | 13.7   |
| 26.25°  | 0.0  | 1.1     | 2.2    | 3.7     | 5.5  | 7.1     | 8.5    | 9.9     | 11.4 | 12.8    | 13.8   |
| 25°     | 0.0  | 1.1     | 2.2    | 3.8     | 5.6  | 7.1     | 8.6    | 10.0    | 11.5 | 12.9    | 14.0   |
| 23.75°  | 0.0  | 1.1     | 2.2    | 3.9     | 5.6  | 7.2     | 8.7    | 10.1    | 11.6 | 13.0    | 14.1   |
| 22.5°   | 0.0  | 1.1     | 2.2    | 3.9     | 5.7  | 7.3     | 8.8    | 10.2    | 11.7 | 13.1    | 14.2   |
| 21.25°  | 0.0  | 1.1     | 2.2    | 4.0     | 5.8  | 7.4     | 8.8    | 10.3    | 11.8 | 13.2    | 14.3   |
| 20°     | 0.0  | 1.1     | 2.3    | 4.0     | 5.8  | 7.4     | 8.9    | 10.4    | 11.9 | 13.2    | 14.4   |
| 18.75°  | 0.0  | 1.1     | 2.3    | 4.0     | 5.9  | 7.5     | 9.0    | 10.5    | 12.0 | 13.3    | 14.5   |
| 17.5°   | 0.0  | 1.1     | 2.3    | 4.1     | 5.9  | 7.5     | 9.1    | 10.6    | 12.1 | 13.4    | 14.5   |
| 16.25°  | 0.0  | 1.2     | 2.3    | 4.1     | 6.0  | 7.6     | 9.1    | 10.6    | 12.2 | 13.5    | 14.6   |
| 15°     | 0.0  | 1.2     | 2.3    | 4.2     | 6.0  | 7.6     | 9.2    | 10.7    | 12.3 | 13.5    | 14.7   |
| 13.75°  | 0.0  | 1.2     | 2.3    | 4.2     | 6.1  | 7.7     | 9.2    | 10.8    | 12.3 | 13.6    | 14.8   |
| 12.5°   | 0.0  | 1.2     | 2.3    | 4.2     | 6.1  | 7.7     | 9.3    | 10.8    | 12.4 | 13.6    | 14.8   |
| 11.25°  | 0.0  | 1.2     | 2.4    | 4.2     | 6.1  | 7.7     | 9.3    | 10.9    | 12.5 | 13.7    | 14.9   |
| 10°     | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 10.9    | 12.5 | 13.7    | 14.9   |
| 8.75°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 11.0    | 12.5 | 13.8    | 15.0   |
| 7.5°    | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 11.0    | 12.6 | 13.8    | 15.0   |
| 6.25°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.4    | 11.0    | 12.6 | 13.8    | 15.0   |
| 5°      | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| 3.75°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| 2.5°    | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| 1.25°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| 0°      | 0.0  | 1.2     | 2.4    | 4.4     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| -1.25°  | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| -2.5°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| -3.75°  | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| -5°     | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.5    | 11.1    | 12.7 | 13.9    | 15.1   |
| -6.25°  | 0.0  | 1.2     | 2.4    | 4.3     | 6.3  | 7.9     | 9.4    | 11.0    | 12.6 | 13.8    | 15.0   |
| -7.5°   | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 11.0    | 12.6 | 13.8    | 15.0   |
| -8.75°  | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 11.0    | 12.5 | 13.8    | 15.0   |
| -10°    | 0.0  | 1.2     | 2.4    | 4.3     | 6.2  | 7.8     | 9.4    | 10.9    | 12.5 | 13.7    | 14.9   |
| -11.25° | 0.0  | 1.2     | 2.4    | 4.2     | 6.1  | 7.7     | 9.3    | 10.9    | 12.5 | 13.7    | 14.9   |
| -12.5°  | 0.0  | 1.2     | 2.3    | 4.2     | 6.1  | 7.7     | 9.3    | 10.8    | 12.4 | 13.6    | 14.8   |
| -13.75° | 0.0  | 1.2     | 2.3    | 4.2     | 6.1  | 7.7     | 9.2    | 10.8    | 12.3 | 13.6    | 14.8   |
| -15°    | 0.0  | 1.2     | 2.3    | 4.2     | 6.0  | 7.6     | 9.2    | 10.7    | 12.3 | 13.5    | 14.7   |
| -16.25° | 0.0  | 1.2     | 2.3    | 4.1     | 6.0  | 7.6     | 9.1    | 10.6    | 12.2 | 13.5    | 14.6   |
| -17.5°  | 0.0  | 1.1     | 2.3    | 4.1     | 5.9  | 7.5     | 9.1    | 10.6    | 12.1 | 13.4    | 14.5   |
| -18.75° | 0.0  | 1.1     | 2.3    | 4.0     | 5.9  | 7.5     | 9.0    | 10.5    | 12.0 | 13.3    | 14.5   |
| -20°    | 0.0  | 1.1     | 2.3    | 4.0     | 5.8  | 7.4     | 8.9    | 10.4    | 11.9 | 13.2    | 14.4   |
| -21.25° | 0.0  | 1.1     | 2.2    | 4.0     | 5.8  | 7.4     | 8.8    | 10.3    | 11.8 | 13.2    | 14.3   |





REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -22.5°  | 0.0  | 1.1     | 2.2    | 3.9     | 5.7  | 7.3     | 8.8    | 10.2    | 11.7 | 13.1    | 14.2   |
| -23.75° | 0.0  | 1.1     | 2.2    | 3.9     | 5.6  | 7.2     | 8.7    | 10.1    | 11.6 | 13.0    | 14.1   |
| -25°    | 0.0  | 1.1     | 2.2    | 3.8     | 5.6  | 7.1     | 8.6    | 10.0    | 11.5 | 12.9    | 14.0   |
| -26.25° | 0.0  | 1.1     | 2.2    | 3.7     | 5.5  | 7.1     | 8.5    | 9.9     | 11.4 | 12.8    | 13.8   |
| -27.5°  | 0.0  | 1.1     | 2.1    | 3.7     | 5.4  | 7.0     | 8.4    | 9.8     | 11.2 | 12.7    | 13.7   |
| -28.75° | 0.0  | 1.1     | 2.1    | 3.6     | 5.3  | 6.9     | 8.3    | 9.7     | 11.1 | 12.5    | 13.6   |
| -30°    | 0.0  | 1.0     | 2.1    | 3.6     | 5.3  | 6.8     | 8.2    | 9.6     | 11.0 | 12.4    | 13.5   |
| -31.25° | 0.0  | 1.0     | 2.1    | 3.5     | 5.2  | 6.7     | 8.1    | 9.5     | 10.8 | 12.2    | 13.3   |
| -32.5°  | 0.0  | 1.0     | 2.0    | 3.4     | 5.1  | 6.6     | 8.0    | 9.3     | 10.7 | 12.0    | 13.2   |
| -33.75° | 0.0  | 1.0     | 2.0    | 3.4     | 5.0  | 6.5     | 7.9    | 9.2     | 10.5 | 11.8    | 13.1   |
| -35°    | 0.0  | 1.0     | 2.0    | 3.3     | 4.9  | 6.4     | 7.8    | 9.1     | 10.4 | 11.7    | 12.9   |
| -36.25° | 0.0  | 1.0     | 1.9    | 3.2     | 4.8  | 6.3     | 7.6    | 8.9     | 10.2 | 11.5    | 12.8   |
| -37.5°  | 0.0  | 1.0     | 1.9    | 3.1     | 4.7  | 6.2     | 7.5    | 8.8     | 10.0 | 11.3    | 12.6   |
| -38.75° | 0.0  | 0.9     | 1.9    | 3.1     | 4.6  | 6.1     | 7.4    | 8.6     | 9.9  | 11.1    | 12.3   |
| -40°    | 0.0  | 0.9     | 1.8    | 3.0     | 4.5  | 6.0     | 7.2    | 8.5     | 9.7  | 10.9    | 12.1   |
| -41.25° | 0.0  | 0.9     | 1.8    | 2.9     | 4.4  | 5.8     | 7.1    | 8.3     | 9.5  | 10.7    | 11.9   |
| -42.5°  | 0.0  | 0.9     | 1.8    | 2.8     | 4.2  | 5.7     | 7.0    | 8.1     | 9.3  | 10.5    | 11.7   |
| -43.75° | 0.0  | 0.9     | 1.7    | 2.7     | 4.1  | 5.5     | 6.8    | 8.0     | 9.1  | 10.3    | 11.4   |
| -45°    | 0.0  | 0.8     | 1.7    | 2.6     | 4.0  | 5.4     | 6.7    | 7.8     | 8.9  | 10.0    | 11.2   |
| -46.25° | 0.0  | 0.8     | 1.7    | 2.5     | 3.9  | 5.2     | 6.5    | 7.6     | 8.7  | 9.8     | 10.9   |
| -47.5°  | 0.0  | 0.8     | 1.6    | 2.5     | 3.8  | 5.1     | 6.4    | 7.5     | 8.5  | 9.6     | 10.7   |
| -48.75° | 0.0  | 0.8     | 1.6    | 2.4     | 3.6  | 4.9     | 6.2    | 7.3     | 8.3  | 9.4     | 10.4   |
| -50°    | 0.0  | 0.8     | 1.5    | 2.3     | 3.5  | 4.8     | 6.0    | 7.1     | 8.1  | 9.1     | 10.1   |
| -51.25° | 0.0  | 0.8     | 1.5    | 2.3     | 3.4  | 4.6     | 5.8    | 6.9     | 7.9  | 8.9     | 9.9    |
| -52.5°  | 0.0  | 0.7     | 1.5    | 2.2     | 3.2  | 4.4     | 5.6    | 6.7     | 7.7  | 8.6     | 9.6    |
| -53.75° | 0.0  | 0.7     | 1.4    | 2.1     | 3.1  | 4.3     | 5.4    | 6.5     | 7.4  | 8.4     | 9.3    |
| -55°    | 0.0  | 0.7     | 1.4    | 2.1     | 3.0  | 4.1     | 5.2    | 6.3     | 7.2  | 8.1     | 9.0    |
| -56.25° | 0.0  | 0.7     | 1.3    | 2.0     | 2.8  | 3.9     | 5.0    | 6.1     | 7.0  | 7.9     | 8.7    |
| -57.5°  | 0.0  | 0.6     | 1.3    | 1.9     | 2.7  | 3.7     | 4.8    | 5.8     | 6.8  | 7.6     | 8.4    |
| -58.75° | 0.0  | 0.6     | 1.2    | 1.9     | 2.5  | 3.6     | 4.6    | 5.6     | 6.5  | 7.3     | 8.2    |
| -60°    | 0.0  | 0.6     | 1.2    | 1.8     | 2.4  | 3.4     | 4.3    | 5.3     | 6.3  | 7.1     | 7.9    |
| -61.25° | 0.0  | 0.6     | 1.2    | 1.7     | 2.3  | 3.2     | 4.1    | 5.0     | 6.0  | 6.8     | 7.5    |
| -62.5°  | 0.0  | 0.6     | 1.1    | 1.7     | 2.2  | 3.0     | 3.9    | 4.8     | 5.7  | 6.5     | 7.2    |
| -63.75° | 0.0  | 0.5     | 1.1    | 1.6     | 2.1  | 2.8     | 3.7    | 4.5     | 5.4  | 6.2     | 6.9    |
| -65°    | 0.0  | 0.5     | 1.0    | 1.5     | 2.0  | 2.6     | 3.4    | 4.3     | 5.1  | 5.9     | 6.6    |
| -66.25° | 0.0  | 0.5     | 1.0    | 1.4     | 1.9  | 2.4     | 3.2    | 4.0     | 4.8  | 5.5     | 6.3    |
| -67.5°  | 0.0  | 0.5     | 0.9    | 1.4     | 1.8  | 2.3     | 3.0    | 3.7     | 4.4  | 5.2     | 5.9    |
| -68.75° | 0.0  | 0.4     | 0.9    | 1.3     | 1.7  | 2.2     | 2.7    | 3.4     | 4.1  | 4.8     | 5.5    |
| -70°    | 0.0  | 0.4     | 0.8    | 1.2     | 1.6  | 2.0     | 2.5    | 3.2     | 3.8  | 4.5     | 5.1    |
| -71.25° | 0.0  | 0.4     | 0.8    | 1.2     | 1.5  | 1.9     | 2.3    | 2.9     | 3.5  | 4.1     | 4.7    |
| -72.5°  | 0.0  | 0.4     | 0.7    | 1.1     | 1.4  | 1.8     | 2.2    | 2.6     | 3.2  | 3.7     | 4.3    |
| -73.75° | 0.0  | 0.3     | 0.7    | 1.0     | 1.3  | 1.7     | 2.0    | 2.3     | 2.8  | 3.4     | 3.9    |
| -75°    | 0.0  | 0.3     | 0.6    | 0.9     | 1.2  | 1.6     | 1.9    | 2.2     | 2.5  | 3.0     | 3.5    |
| -76.25° | 0.0  | 0.3     | 0.6    | 0.9     | 1.1  | 1.4     | 1.7    | 2.0     | 2.3  | 2.6     | 3.1    |
| -77.5°  | 0.0  | 0.3     | 0.5    | 0.8     | 1.0  | 1.3     | 1.6    | 1.8     | 2.1  | 2.3     | 2.7    |



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**CANDELA DISTRIBUTION (continued):**

|         | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -78.75° | 0.0  | 0.2     | 0.5    | 0.7     | 0.9  | 1.2     | 1.4    | 1.6     | 1.9  | 2.1     | 2.3    |
| -80°    | 0.0  | 0.2     | 0.4    | 0.6     | 0.8  | 1.0     | 1.2    | 1.5     | 1.7  | 1.9     | 2.1    |
| -81.25° | 0.0  | 0.2     | 0.4    | 0.5     | 0.7  | 0.9     | 1.1    | 1.3     | 1.5  | 1.6     | 1.8    |
| -82.5°  | 0.0  | 0.2     | 0.3    | 0.5     | 0.6  | 0.8     | 0.9    | 1.1     | 1.2  | 1.4     | 1.6    |
| -83.75° | 0.0  | 0.1     | 0.3    | 0.4     | 0.5  | 0.7     | 0.8    | 0.9     | 1.0  | 1.2     | 1.3    |
| -85°    | 0.0  | 0.1     | 0.2    | 0.3     | 0.4  | 0.5     | 0.6    | 0.7     | 0.8  | 0.9     | 1.0    |
| -86.25° | 0.0  | 0.1     | 0.2    | 0.2     | 0.3  | 0.4     | 0.5    | 0.5     | 0.6  | 0.7     | 0.8    |
| -87.5°  | 0.0  | 0.1     | 0.1    | 0.2     | 0.2  | 0.3     | 0.3    | 0.4     | 0.4  | 0.5     | 0.5    |
| -88.75° | 0.0  | 0.0     | 0.1    | 0.1     | 0.1  | 0.1     | 0.2    | 0.2     | 0.2  | 0.2     | 0.3    |
| -90°    | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|        | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| 90°    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     |
| 88.75° | 0.3     | 0.3  | 0.3     | 0.4    | 0.4     | 0.4  | 0.4     | 0.5    | 0.5     | 0.5  | 0.5     |
| 87.5°  | 0.6     | 0.6  | 0.7     | 0.7    | 0.8     | 0.8  | 0.9     | 0.9    | 1.0     | 1.0  | 1.1     |
| 86.25° | 0.9     | 0.9  | 1.0     | 1.1    | 1.2     | 1.2  | 1.3     | 1.4    | 1.4     | 1.5  | 1.6     |
| 85°    | 1.1     | 1.2  | 1.3     | 1.4    | 1.5     | 1.6  | 1.7     | 1.8    | 1.9     | 2.0  | 2.1     |
| 83.75° | 1.4     | 1.6  | 1.7     | 1.8    | 1.9     | 2.0  | 2.2     | 2.3    | 2.4     | 2.6  | 2.8     |
| 82.5°  | 1.7     | 1.9  | 2.0     | 2.2    | 2.3     | 2.5  | 2.7     | 3.0    | 3.2     | 3.4  | 3.7     |
| 81.25° | 2.0     | 2.2  | 2.3     | 2.6    | 2.9     | 3.2  | 3.4     | 3.7    | 4.0     | 4.3  | 4.5     |
| 80°    | 2.3     | 2.5  | 2.8     | 3.2    | 3.5     | 3.8  | 4.1     | 4.4    | 4.8     | 5.1  | 5.4     |
| 78.75° | 2.6     | 3.0  | 3.4     | 3.7    | 4.1     | 4.5  | 4.8     | 5.2    | 5.5     | 5.9  | 6.2     |
| 77.5°  | 3.1     | 3.5  | 3.9     | 4.3    | 4.7     | 5.1  | 5.5     | 5.9    | 6.3     | 6.6  | 6.9     |
| 76.25° | 3.6     | 4.0  | 4.4     | 4.9    | 5.3     | 5.8  | 6.2     | 6.6    | 6.9     | 7.3  | 7.6     |
| 75°    | 4.0     | 4.5  | 5.0     | 5.5    | 5.9     | 6.4  | 6.8     | 7.2    | 7.6     | 7.9  | 8.3     |
| 73.75° | 4.4     | 5.0  | 5.5     | 6.0    | 6.5     | 6.9  | 7.4     | 7.8    | 8.2     | 8.6  | 9.0     |
| 72.5°  | 4.9     | 5.5  | 6.0     | 6.5    | 7.0     | 7.5  | 7.9     | 8.4    | 8.8     | 9.2  | 9.7     |
| 71.25° | 5.3     | 5.9  | 6.5     | 7.0    | 7.5     | 8.0  | 8.5     | 8.9    | 9.4     | 9.9  | 10.4    |
| 70°    | 5.8     | 6.4  | 6.9     | 7.5    | 8.0     | 8.5  | 9.0     | 9.5    | 10.0    | 10.5 | 11.0    |
| 68.75° | 6.2     | 6.8  | 7.4     | 7.9    | 8.5     | 9.0  | 9.6     | 10.1   | 10.6    | 11.2 | 11.7    |
| 67.5°  | 6.6     | 7.2  | 7.8     | 8.4    | 8.9     | 9.5  | 10.1    | 10.7   | 11.2    | 11.8 | 12.4    |
| 66.25° | 6.9     | 7.6  | 8.2     | 8.8    | 9.4     | 10.0 | 10.6    | 11.2   | 11.8    | 12.4 | 13.0    |
| 65°    | 7.3     | 7.9  | 8.6     | 9.2    | 9.9     | 10.5 | 11.2    | 11.8   | 12.4    | 13.0 | 13.4    |
| 63.75° | 7.6     | 8.3  | 9.0     | 9.7    | 10.4    | 11.0 | 11.7    | 12.4   | 13.0    | 13.4 | 13.9    |
| 62.5°  | 8.0     | 8.7  | 9.4     | 10.1   | 10.8    | 11.5 | 12.2    | 12.9   | 13.4    | 13.9 | 14.4    |
| 61.25° | 8.3     | 9.1  | 9.8     | 10.5   | 11.3    | 12.0 | 12.7    | 13.3   | 13.8    | 14.4 | 14.9    |
| 60°    | 8.6     | 9.4  | 10.2    | 11.0   | 11.7    | 12.5 | 13.1    | 13.7   | 14.3    | 14.8 | 15.3    |
| 58.75° | 9.0     | 9.8  | 10.6    | 11.4   | 12.2    | 12.9 | 13.5    | 14.1   | 14.7    | 15.2 | 15.6    |
| 57.5°  | 9.3     | 10.1 | 11.0    | 11.8   | 12.6    | 13.3 | 13.9    | 14.5   | 15.1    | 15.5 | 15.9    |
| 56.25° | 9.6     | 10.5 | 11.3    | 12.2   | 13.0    | 13.6 | 14.3    | 14.9   | 15.4    | 15.8 | 16.2    |
| 55°    | 9.9     | 10.8 | 11.7    | 12.6   | 13.3    | 14.0 | 14.6    | 15.2   | 15.6    | 16.1 | 16.5    |
| 53.75° | 10.2    | 11.2 | 12.1    | 12.9   | 13.6    | 14.3 | 15.0    | 15.5   | 15.9    | 16.4 | 16.9    |
| 52.5°  | 10.5    | 11.5 | 12.5    | 13.2   | 13.9    | 14.6 | 15.3    | 15.7   | 16.2    | 16.6 | 17.5    |
| 51.25° | 10.9    | 11.8 | 12.8    | 13.5   | 14.2    | 15.0 | 15.5    | 16.0   | 16.4    | 17.1 | 18.0    |
| 50°    | 11.1    | 12.2 | 13.0    | 13.8   | 14.5    | 15.2 | 15.7    | 16.2   | 16.7    | 17.6 | 18.6    |
| 48.75° | 11.4    | 12.5 | 13.3    | 14.1   | 14.8    | 15.4 | 15.9    | 16.5   | 17.2    | 18.2 | 19.1    |
| 47.5°  | 11.7    | 12.8 | 13.6    | 14.4   | 15.1    | 15.7 | 16.2    | 16.7   | 17.7    | 18.7 | 19.7    |
| 46.25° | 12.0    | 13.0 | 13.8    | 14.6   | 15.3    | 15.9 | 16.4    | 17.1   | 18.2    | 19.2 | 20.4    |
| 45°    | 12.3    | 13.2 | 14.1    | 14.9   | 15.5    | 16.1 | 16.6    | 17.6   | 18.6    | 19.7 | 21.2    |
| 43.75° | 12.6    | 13.4 | 14.3    | 15.1   | 15.7    | 16.3 | 16.9    | 18.0   | 19.1    | 20.3 | 22.0    |
| 42.5°  | 12.8    | 13.7 | 14.5    | 15.3   | 15.9    | 16.4 | 17.3    | 18.4   | 19.5    | 21.1 | 22.7    |
| 41.25° | 13.0    | 13.9 | 14.8    | 15.5   | 16.1    | 16.6 | 17.7    | 18.8   | 20.0    | 21.8 | 23.5    |
| 40°    | 13.2    | 14.1 | 15.0    | 15.6   | 16.2    | 16.9 | 18.1    | 19.2   | 20.7    | 22.5 | 24.2    |
| 38.75° | 13.4    | 14.3 | 15.2    | 15.8   | 16.4    | 17.3 | 18.5    | 19.6   | 21.3    | 23.1 | 25.0    |
| 37.5°  | 13.5    | 14.5 | 15.3    | 15.9   | 16.6    | 17.6 | 18.8    | 20.1   | 22.0    | 23.8 | 25.8    |
| 36.25° | 13.7    | 14.7 | 15.4    | 16.1   | 16.7    | 18.0 | 19.2    | 20.7   | 22.6    | 24.5 | 26.6    |
| 35°    | 13.9    | 14.9 | 15.6    | 16.2   | 17.0    | 18.3 | 19.5    | 21.3   | 23.2    | 25.2 | 27.3    |



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**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| 33.75°  | 14.0    | 15.0 | 15.7    | 16.4   | 17.3    | 18.6 | 19.9    | 21.8   | 23.8    | 25.9 | 28.1    |
| 32.5°   | 14.2    | 15.2 | 15.8    | 16.5   | 17.6    | 18.9 | 20.4    | 22.4   | 24.3    | 26.5 | 28.8    |
| 31.25°  | 14.4    | 15.3 | 16.0    | 16.6   | 17.9    | 19.2 | 20.9    | 22.9   | 24.9    | 27.2 | 29.5    |
| 30°     | 14.5    | 15.4 | 16.1    | 16.8   | 18.1    | 19.5 | 21.3    | 23.4   | 25.5    | 27.8 | 30.2    |
| 28.75°  | 14.6    | 15.5 | 16.2    | 17.1   | 18.4    | 19.7 | 21.8    | 23.8   | 26.1    | 28.4 | 30.9    |
| 27.5°   | 14.8    | 15.6 | 16.3    | 17.3   | 18.6    | 20.1 | 22.2    | 24.3   | 26.6    | 29.0 | 31.6    |
| 26.25°  | 14.9    | 15.7 | 16.4    | 17.5   | 18.9    | 20.5 | 22.6    | 24.8   | 27.2    | 29.6 | 32.3    |
| 25°     | 15.0    | 15.8 | 16.5    | 17.7   | 19.1    | 20.9 | 23.0    | 25.2   | 27.7    | 30.2 | 33.0    |
| 23.75°  | 15.1    | 15.9 | 16.6    | 17.9   | 19.3    | 21.2 | 23.4    | 25.7   | 28.2    | 30.8 | 33.6    |
| 22.5°   | 15.2    | 16.0 | 16.7    | 18.1   | 19.5    | 21.6 | 23.8    | 26.2   | 28.7    | 31.3 | 34.2    |
| 21.25°  | 15.3    | 16.0 | 16.8    | 18.3   | 19.7    | 21.9 | 24.1    | 26.6   | 29.1    | 31.9 | 34.8    |
| 20°     | 15.4    | 16.1 | 17.0    | 18.5   | 20.0    | 22.2 | 24.4    | 27.0   | 29.5    | 32.4 | 35.4    |
| 18.75°  | 15.4    | 16.2 | 17.2    | 18.6   | 20.2    | 22.5 | 24.8    | 27.3   | 29.9    | 32.9 | 35.9    |
| 17.5°   | 15.5    | 16.2 | 17.3    | 18.8   | 20.5    | 22.8 | 25.1    | 27.7   | 30.3    | 33.3 | 36.4    |
| 16.25°  | 15.5    | 16.3 | 17.4    | 18.9   | 20.7    | 23.0 | 25.4    | 28.0   | 30.7    | 33.8 | 36.8    |
| 15°     | 15.6    | 16.4 | 17.5    | 19.0   | 20.9    | 23.2 | 25.7    | 28.3   | 31.1    | 34.2 | 37.2    |
| 13.75°  | 15.6    | 16.4 | 17.7    | 19.2   | 21.1    | 23.5 | 25.9    | 28.6   | 31.5    | 34.5 | 37.6    |
| 12.5°   | 15.7    | 16.5 | 17.8    | 19.3   | 21.3    | 23.7 | 26.2    | 28.9   | 31.8    | 34.9 | 38.0    |
| 11.25°  | 15.7    | 16.5 | 17.9    | 19.4   | 21.5    | 23.8 | 26.4    | 29.1   | 32.1    | 35.2 | 38.3    |
| 10°     | 15.8    | 16.6 | 17.9    | 19.5   | 21.6    | 24.0 | 26.6    | 29.3   | 32.3    | 35.5 | 38.6    |
| 8.75°   | 15.8    | 16.6 | 18.0    | 19.5   | 21.8    | 24.1 | 26.8    | 29.5   | 32.5    | 35.7 | 38.8    |
| 7.5°    | 15.8    | 16.6 | 18.1    | 19.6   | 21.9    | 24.3 | 26.9    | 29.7   | 32.7    | 35.9 | 39.0    |
| 6.25°   | 15.8    | 16.6 | 18.1    | 19.7   | 22.0    | 24.4 | 27.1    | 29.8   | 32.9    | 36.1 | 39.2    |
| 5°      | 15.9    | 16.7 | 18.2    | 19.7   | 22.1    | 24.4 | 27.2    | 29.9   | 33.1    | 36.2 | 39.4    |
| 3.75°   | 15.9    | 16.7 | 18.2    | 19.8   | 22.1    | 24.5 | 27.2    | 30.0   | 33.2    | 36.4 | 39.5    |
| 2.5°    | 15.9    | 16.7 | 18.2    | 19.8   | 22.2    | 24.6 | 27.3    | 30.1   | 33.2    | 36.4 | 39.6    |
| 1.25°   | 15.9    | 16.7 | 18.2    | 19.8   | 22.2    | 24.6 | 27.3    | 30.1   | 33.3    | 36.5 | 39.6    |
| 0°      | 15.9    | 16.7 | 18.2    | 19.8   | 22.2    | 24.6 | 27.3    | 30.1   | 33.3    | 36.5 | 39.6    |
| -1.25°  | 15.9    | 16.7 | 18.2    | 19.8   | 22.2    | 24.6 | 27.3    | 30.1   | 33.3    | 36.5 | 39.6    |
| -2.5°   | 15.9    | 16.7 | 18.2    | 19.8   | 22.2    | 24.6 | 27.3    | 30.1   | 33.2    | 36.4 | 39.6    |
| -3.75°  | 15.9    | 16.7 | 18.2    | 19.8   | 22.1    | 24.5 | 27.2    | 30.0   | 33.2    | 36.4 | 39.5    |
| -5°     | 15.9    | 16.7 | 18.2    | 19.7   | 22.1    | 24.4 | 27.2    | 29.9   | 33.1    | 36.2 | 39.4    |
| -6.25°  | 15.8    | 16.6 | 18.1    | 19.7   | 22.0    | 24.4 | 27.1    | 29.8   | 32.9    | 36.1 | 39.2    |
| -7.5°   | 15.8    | 16.6 | 18.1    | 19.6   | 21.9    | 24.3 | 26.9    | 29.7   | 32.7    | 35.9 | 39.0    |
| -8.75°  | 15.8    | 16.6 | 18.0    | 19.5   | 21.8    | 24.1 | 26.8    | 29.5   | 32.5    | 35.7 | 38.8    |
| -10°    | 15.8    | 16.6 | 17.9    | 19.5   | 21.6    | 24.0 | 26.6    | 29.3   | 32.3    | 35.5 | 38.6    |
| -11.25° | 15.7    | 16.5 | 17.9    | 19.4   | 21.5    | 23.8 | 26.4    | 29.1   | 32.1    | 35.2 | 38.3    |
| -12.5°  | 15.7    | 16.5 | 17.8    | 19.3   | 21.3    | 23.7 | 26.2    | 28.9   | 31.8    | 34.9 | 38.0    |
| -13.75° | 15.6    | 16.4 | 17.7    | 19.2   | 21.1    | 23.5 | 25.9    | 28.6   | 31.5    | 34.5 | 37.6    |
| -15°    | 15.6    | 16.4 | 17.5    | 19.0   | 20.9    | 23.2 | 25.7    | 28.3   | 31.1    | 34.2 | 37.2    |
| -16.25° | 15.5    | 16.3 | 17.4    | 18.9   | 20.7    | 23.0 | 25.4    | 28.0   | 30.7    | 33.8 | 36.8    |
| -17.5°  | 15.5    | 16.2 | 17.3    | 18.8   | 20.5    | 22.8 | 25.1    | 27.7   | 30.3    | 33.3 | 36.4    |
| -18.75° | 15.4    | 16.2 | 17.2    | 18.6   | 20.2    | 22.5 | 24.8    | 27.3   | 29.9    | 32.9 | 35.9    |
| -20°    | 15.4    | 16.1 | 17.0    | 18.5   | 20.0    | 22.2 | 24.4    | 27.0   | 29.5    | 32.4 | 35.4    |
| -21.25° | 15.3    | 16.0 | 16.8    | 18.3   | 19.7    | 21.9 | 24.1    | 26.6   | 29.1    | 31.9 | 34.8    |



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**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| -22.5°  | 15.2    | 16.0 | 16.7    | 18.1   | 19.5    | 21.6 | 23.8    | 26.2   | 28.7    | 31.3 | 34.2    |
| -23.75° | 15.1    | 15.9 | 16.6    | 17.9   | 19.3    | 21.2 | 23.4    | 25.7   | 28.2    | 30.8 | 33.6    |
| -25°    | 15.0    | 15.8 | 16.5    | 17.7   | 19.1    | 20.9 | 23.0    | 25.2   | 27.7    | 30.2 | 33.0    |
| -26.25° | 14.9    | 15.7 | 16.4    | 17.5   | 18.9    | 20.5 | 22.6    | 24.8   | 27.2    | 29.6 | 32.3    |
| -27.5°  | 14.8    | 15.6 | 16.3    | 17.3   | 18.6    | 20.1 | 22.2    | 24.3   | 26.6    | 29.0 | 31.6    |
| -28.75° | 14.6    | 15.5 | 16.2    | 17.1   | 18.4    | 19.7 | 21.8    | 23.8   | 26.1    | 28.4 | 30.9    |
| -30°    | 14.5    | 15.4 | 16.1    | 16.8   | 18.1    | 19.5 | 21.3    | 23.4   | 25.5    | 27.8 | 30.2    |
| -31.25° | 14.4    | 15.3 | 16.0    | 16.6   | 17.9    | 19.2 | 20.9    | 22.9   | 24.9    | 27.2 | 29.5    |
| -32.5°  | 14.2    | 15.2 | 15.8    | 16.5   | 17.6    | 18.9 | 20.4    | 22.4   | 24.3    | 26.5 | 28.8    |
| -33.75° | 14.0    | 15.0 | 15.7    | 16.4   | 17.3    | 18.6 | 19.9    | 21.8   | 23.8    | 25.9 | 28.1    |
| -35°    | 13.9    | 14.9 | 15.6    | 16.2   | 17.0    | 18.3 | 19.5    | 21.3   | 23.2    | 25.2 | 27.3    |
| -36.25° | 13.7    | 14.7 | 15.4    | 16.1   | 16.7    | 18.0 | 19.2    | 20.7   | 22.6    | 24.5 | 26.6    |
| -37.5°  | 13.5    | 14.5 | 15.3    | 15.9   | 16.6    | 17.6 | 18.8    | 20.1   | 22.0    | 23.8 | 25.8    |
| -38.75° | 13.4    | 14.3 | 15.2    | 15.8   | 16.4    | 17.3 | 18.5    | 19.6   | 21.3    | 23.1 | 25.0    |
| -40°    | 13.2    | 14.1 | 15.0    | 15.6   | 16.2    | 16.9 | 18.1    | 19.2   | 20.7    | 22.5 | 24.2    |
| -41.25° | 13.0    | 13.9 | 14.8    | 15.5   | 16.1    | 16.6 | 17.7    | 18.8   | 20.0    | 21.8 | 23.5    |
| -42.5°  | 12.8    | 13.7 | 14.5    | 15.3   | 15.9    | 16.4 | 17.3    | 18.4   | 19.5    | 21.1 | 22.7    |
| -43.75° | 12.6    | 13.4 | 14.3    | 15.1   | 15.7    | 16.3 | 16.9    | 18.0   | 19.1    | 20.3 | 22.0    |
| -45°    | 12.3    | 13.2 | 14.1    | 14.9   | 15.5    | 16.1 | 16.6    | 17.6   | 18.6    | 19.7 | 21.2    |
| -46.25° | 12.0    | 13.0 | 13.8    | 14.6   | 15.3    | 15.9 | 16.4    | 17.1   | 18.2    | 19.2 | 20.4    |
| -47.5°  | 11.7    | 12.8 | 13.6    | 14.4   | 15.1    | 15.7 | 16.2    | 16.7   | 17.7    | 18.7 | 19.7    |
| -48.75° | 11.4    | 12.5 | 13.3    | 14.1   | 14.8    | 15.4 | 15.9    | 16.5   | 17.2    | 18.2 | 19.1    |
| -50°    | 11.1    | 12.2 | 13.0    | 13.8   | 14.5    | 15.2 | 15.7    | 16.2   | 16.7    | 17.6 | 18.6    |
| -51.25° | 10.9    | 11.8 | 12.8    | 13.5   | 14.2    | 15.0 | 15.5    | 16.0   | 16.4    | 17.1 | 18.0    |
| -52.5°  | 10.5    | 11.5 | 12.5    | 13.2   | 13.9    | 14.6 | 15.3    | 15.7   | 16.2    | 16.6 | 17.5    |
| -53.75° | 10.2    | 11.2 | 12.1    | 12.9   | 13.6    | 14.3 | 15.0    | 15.5   | 15.9    | 16.4 | 16.9    |
| -55°    | 9.9     | 10.8 | 11.7    | 12.6   | 13.3    | 14.0 | 14.6    | 15.2   | 15.6    | 16.1 | 16.5    |
| -56.25° | 9.6     | 10.5 | 11.3    | 12.2   | 13.0    | 13.6 | 14.3    | 14.9   | 15.4    | 15.8 | 16.2    |
| -57.5°  | 9.3     | 10.1 | 11.0    | 11.8   | 12.6    | 13.3 | 13.9    | 14.5   | 15.1    | 15.5 | 15.9    |
| -58.75° | 9.0     | 9.8  | 10.6    | 11.4   | 12.2    | 12.9 | 13.5    | 14.1   | 14.7    | 15.2 | 15.6    |
| -60°    | 8.6     | 9.4  | 10.2    | 11.0   | 11.7    | 12.5 | 13.1    | 13.7   | 14.3    | 14.8 | 15.3    |
| -61.25° | 8.3     | 9.1  | 9.8     | 10.5   | 11.3    | 12.0 | 12.7    | 13.3   | 13.8    | 14.4 | 14.9    |
| -62.5°  | 8.0     | 8.7  | 9.4     | 10.1   | 10.8    | 11.5 | 12.2    | 12.9   | 13.4    | 13.9 | 14.4    |
| -63.75° | 7.6     | 8.3  | 9.0     | 9.7    | 10.4    | 11.0 | 11.7    | 12.4   | 13.0    | 13.4 | 13.9    |
| -65°    | 7.3     | 7.9  | 8.6     | 9.2    | 9.9     | 10.5 | 11.2    | 11.8   | 12.4    | 13.0 | 13.4    |
| -66.25° | 6.9     | 7.6  | 8.2     | 8.8    | 9.4     | 10.0 | 10.6    | 11.2   | 11.8    | 12.4 | 13.0    |
| -67.5°  | 6.6     | 7.2  | 7.8     | 8.4    | 8.9     | 9.5  | 10.1    | 10.7   | 11.2    | 11.8 | 12.4    |
| -68.75° | 6.2     | 6.8  | 7.4     | 7.9    | 8.5     | 9.0  | 9.6     | 10.1   | 10.6    | 11.2 | 11.7    |
| -70°    | 5.8     | 6.4  | 6.9     | 7.5    | 8.0     | 8.5  | 9.0     | 9.5    | 10.0    | 10.5 | 11.0    |
| -71.25° | 5.3     | 5.9  | 6.5     | 7.0    | 7.5     | 8.0  | 8.5     | 8.9    | 9.4     | 9.9  | 10.4    |
| -72.5°  | 4.9     | 5.5  | 6.0     | 6.5    | 7.0     | 7.5  | 7.9     | 8.4    | 8.8     | 9.2  | 9.7     |
| -73.75° | 4.4     | 5.0  | 5.5     | 6.0    | 6.5     | 6.9  | 7.4     | 7.8    | 8.2     | 8.6  | 9.0     |
| -75°    | 4.0     | 4.5  | 5.0     | 5.5    | 5.9     | 6.4  | 6.8     | 7.2    | 7.6     | 7.9  | 8.3     |
| -76.25° | 3.6     | 4.0  | 4.4     | 4.9    | 5.3     | 5.8  | 6.2     | 6.6    | 6.9     | 7.3  | 7.6     |
| -77.5°  | 3.1     | 3.5  | 3.9     | 4.3    | 4.7     | 5.1  | 5.5     | 5.9    | 6.3     | 6.6  | 6.9     |



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**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| -78.75° | 2.6     | 3.0  | 3.4     | 3.7    | 4.1     | 4.5  | 4.8     | 5.2    | 5.5     | 5.9  | 6.2     |
| -80°    | 2.3     | 2.5  | 2.8     | 3.2    | 3.5     | 3.8  | 4.1     | 4.4    | 4.8     | 5.1  | 5.4     |
| -81.25° | 2.0     | 2.2  | 2.3     | 2.6    | 2.9     | 3.2  | 3.4     | 3.7    | 4.0     | 4.3  | 4.5     |
| -82.5°  | 1.7     | 1.9  | 2.0     | 2.2    | 2.3     | 2.5  | 2.7     | 3.0    | 3.2     | 3.4  | 3.7     |
| -83.75° | 1.4     | 1.6  | 1.7     | 1.8    | 1.9     | 2.0  | 2.2     | 2.3    | 2.4     | 2.6  | 2.8     |
| -85°    | 1.1     | 1.2  | 1.3     | 1.4    | 1.5     | 1.6  | 1.7     | 1.8    | 1.9     | 2.0  | 2.1     |
| -86.25° | 0.9     | 0.9  | 1.0     | 1.1    | 1.2     | 1.2  | 1.3     | 1.4    | 1.4     | 1.5  | 1.6     |
| -87.5°  | 0.6     | 0.6  | 0.7     | 0.7    | 0.8     | 0.8  | 0.9     | 0.9    | 1.0     | 1.0  | 1.1     |
| -88.75° | 0.3     | 0.3  | 0.3     | 0.4    | 0.4     | 0.4  | 0.4     | 0.5    | 0.5     | 0.5  | 0.5     |
| -90°    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|--------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| 90°    | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  |
| 88.75° | 0.6    | 0.6     | 0.6  | 0.6     | 0.6    | 0.7     | 0.7  | 0.7     | 0.7    | 0.8     | 0.8  |
| 87.5°  | 1.1    | 1.2     | 1.2  | 1.2     | 1.3    | 1.3     | 1.4  | 1.4     | 1.5    | 1.5     | 1.5  |
| 86.25° | 1.7    | 1.7     | 1.8  | 1.9     | 1.9    | 2.0     | 2.1  | 2.1     | 2.2    | 2.3     | 2.3  |
| 85°    | 2.2    | 2.3     | 2.4  | 2.5     | 2.7    | 2.8     | 3.0  | 3.1     | 3.2    | 3.4     | 3.5  |
| 83.75° | 3.0    | 3.2     | 3.4  | 3.6     | 3.7    | 3.9     | 4.1  | 4.3     | 4.4    | 4.6     | 4.8  |
| 82.5°  | 3.9    | 4.1     | 4.3  | 4.6     | 4.8    | 5.0     | 5.2  | 5.4     | 5.6    | 5.8     | 6.0  |
| 81.25° | 4.8    | 5.0     | 5.3  | 5.6     | 5.8    | 6.1     | 6.3  | 6.5     | 6.7    | 6.9     | 7.1  |
| 80°    | 5.7    | 6.0     | 6.3  | 6.5     | 6.8    | 7.0     | 7.2  | 7.4     | 7.7    | 7.9     | 8.1  |
| 78.75° | 6.5    | 6.8     | 7.1  | 7.3     | 7.6    | 7.9     | 8.1  | 8.4     | 8.6    | 8.9     | 9.1  |
| 77.5°  | 7.2    | 7.5     | 7.9  | 8.2     | 8.4    | 8.7     | 9.0  | 9.3     | 9.6    | 9.9     | 10.1 |
| 76.25° | 8.0    | 8.3     | 8.6  | 9.0     | 9.3    | 9.6     | 9.9  | 10.2    | 10.5   | 10.9    | 11.1 |
| 75°    | 8.7    | 9.1     | 9.4  | 9.8     | 10.1   | 10.5    | 10.8 | 11.2    | 11.5   | 11.8    | 12.2 |
| 73.75° | 9.4    | 9.8     | 10.2 | 10.6    | 11.0   | 11.3    | 11.7 | 12.1    | 12.5   | 12.8    | 13.0 |
| 72.5°  | 10.1   | 10.5    | 11.0 | 11.4    | 11.8   | 12.2    | 12.6 | 12.9    | 13.2   | 13.5    | 13.8 |
| 71.25° | 10.8   | 11.3    | 11.7 | 12.2    | 12.6   | 13.0    | 13.3 | 13.6    | 13.9   | 14.2    | 14.5 |
| 70°    | 11.5   | 12.0    | 12.5 | 12.9    | 13.3   | 13.6    | 14.0 | 14.3    | 14.6   | 15.0    | 15.2 |
| 68.75° | 12.2   | 12.7    | 13.1 | 13.5    | 13.9   | 14.3    | 14.6 | 15.0    | 15.3   | 15.5    | 15.7 |
| 67.5°  | 12.9   | 13.3    | 13.7 | 14.1    | 14.5   | 14.9    | 15.2 | 15.5    | 15.7   | 16.0    | 16.2 |
| 66.25° | 13.4   | 13.8    | 14.3 | 14.7    | 15.1   | 15.4    | 15.6 | 15.9    | 16.2   | 16.4    | 16.7 |
| 65°    | 13.9   | 14.4    | 14.8 | 15.2    | 15.5   | 15.8    | 16.1 | 16.4    | 16.6   | 17.1    | 17.6 |
| 63.75° | 14.4   | 14.9    | 15.3 | 15.6    | 15.9   | 16.2    | 16.5 | 16.9    | 17.5   | 18.0    | 18.6 |
| 62.5°  | 14.9   | 15.3    | 15.6 | 16.0    | 16.3   | 16.6    | 17.1 | 17.7    | 18.3   | 18.9    | 19.5 |
| 61.25° | 15.3   | 15.7    | 16.0 | 16.3    | 16.7   | 17.3    | 18.0 | 18.6    | 19.2   | 19.8    | 20.8 |
| 60°    | 15.6   | 16.0    | 16.4 | 16.7    | 17.4   | 18.1    | 18.8 | 19.4    | 20.2   | 21.2    | 22.2 |
| 58.75° | 16.0   | 16.3    | 16.7 | 17.5    | 18.2   | 18.9    | 19.6 | 20.5    | 21.5   | 22.6    | 23.6 |
| 57.5°  | 16.3   | 16.7    | 17.4 | 18.2    | 18.9   | 19.6    | 20.7 | 21.8    | 22.9   | 23.9    | 25.0 |
| 56.25° | 16.6   | 17.3    | 18.1 | 18.9    | 19.6   | 20.7    | 21.9 | 23.0    | 24.2   | 25.4    | 26.6 |
| 55°    | 17.1   | 18.0    | 18.8 | 19.6    | 20.7   | 21.9    | 23.1 | 24.3    | 25.6   | 26.9    | 28.2 |
| 53.75° | 17.7   | 18.6    | 19.4 | 20.5    | 21.8   | 23.0    | 24.3 | 25.6    | 27.0   | 28.4    | 29.7 |
| 52.5°  | 18.3   | 19.2    | 20.2 | 21.5    | 22.9   | 24.2    | 25.6 | 27.0    | 28.5   | 29.9    | 31.5 |
| 51.25° | 18.9   | 19.8    | 21.2 | 22.6    | 23.9   | 25.4    | 26.9 | 28.4    | 29.9   | 31.5    | 33.2 |
| 50°    | 19.5   | 20.8    | 22.2 | 23.6    | 25.0   | 26.6    | 28.2 | 29.7    | 31.5   | 33.2    | 35.0 |
| 48.75° | 20.2   | 21.7    | 23.2 | 24.6    | 26.2   | 27.9    | 29.5 | 31.2    | 33.1   | 34.9    | 36.7 |
| 47.5°  | 21.1   | 22.6    | 24.1 | 25.7    | 27.4   | 29.1    | 30.9 | 32.8    | 34.7   | 36.5    | 38.4 |
| 46.25° | 22.0   | 23.5    | 25.1 | 26.9    | 28.6   | 30.3    | 32.3 | 34.3    | 36.2   | 38.1    | 40.0 |
| 45°    | 22.8   | 24.4    | 26.2 | 27.9    | 29.7   | 31.7    | 33.8 | 35.8    | 37.8   | 39.7    | 41.6 |
| 43.75° | 23.6   | 25.3    | 27.2 | 29.0    | 31.0   | 33.1    | 35.2 | 37.2    | 39.2   | 41.2    | 43.1 |
| 42.5°  | 24.4   | 26.3    | 28.2 | 30.1    | 32.2   | 34.4    | 36.5 | 38.6    | 40.7   | 42.8    | 44.1 |
| 41.25° | 25.3   | 27.2    | 29.2 | 31.3    | 33.5   | 35.7    | 37.9 | 40.0    | 42.1   | 43.7    | 45.0 |
| 40°    | 26.2   | 28.2    | 30.2 | 32.4    | 34.7   | 37.0    | 39.2 | 41.4    | 43.3   | 44.6    | 46.0 |
| 38.75° | 27.0   | 29.1    | 31.3 | 33.6    | 35.9   | 38.2    | 40.5 | 42.7    | 44.2   | 45.6    | 47.0 |
| 37.5°  | 27.9   | 30.0    | 32.3 | 34.7    | 37.1   | 39.4    | 41.7 | 43.6    | 45.0   | 46.4    | 48.0 |
| 36.25° | 28.7   | 30.9    | 33.4 | 35.8    | 38.2   | 40.6    | 42.9 | 44.4    | 45.8   | 47.4    | 49.1 |
| 35°    | 29.5   | 31.9    | 34.4 | 36.9    | 39.3   | 41.7    | 43.6 | 45.2    | 46.7   | 48.4    | 50.1 |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| 33.75°  | 30.3   | 32.8    | 35.4 | 37.9    | 40.4   | 42.8    | 44.4 | 45.9    | 47.6   | 49.4    | 51.1 |
| 32.5°   | 31.2   | 33.8    | 36.4 | 38.9    | 41.4   | 43.5    | 45.1 | 46.7    | 48.5   | 50.3    | 51.7 |
| 31.25°  | 32.0   | 34.7    | 37.3 | 39.8    | 42.4   | 44.2    | 45.8 | 47.5    | 49.4   | 51.2    | 52.0 |
| 30°     | 32.8   | 35.5    | 38.2 | 40.8    | 43.2   | 44.8    | 46.5 | 48.3    | 50.2   | 51.7    | 52.3 |
| 28.75°  | 33.6   | 36.4    | 39.0 | 41.7    | 43.8   | 45.4    | 47.2 | 49.1    | 51.0   | 52.0    | 52.7 |
| 27.5°   | 34.4   | 37.1    | 39.8 | 42.5    | 44.3   | 46.0    | 47.9 | 49.9    | 51.6   | 52.3    | 52.9 |
| 26.25°  | 35.1   | 37.9    | 40.6 | 43.2    | 44.9   | 46.6    | 48.6 | 50.6    | 51.9   | 52.6    | 53.1 |
| 25°     | 35.8   | 38.6    | 41.4 | 43.7    | 45.4   | 47.2    | 49.3 | 51.3    | 52.1   | 52.8    | 53.1 |
| 23.75°  | 36.5   | 39.3    | 42.1 | 44.2    | 45.9   | 47.9    | 49.9 | 51.7    | 52.4   | 53.1    | 53.1 |
| 22.5°   | 37.1   | 40.0    | 42.8 | 44.6    | 46.4   | 48.5    | 50.6 | 51.9    | 52.6   | 53.1    | 53.1 |
| 21.25°  | 37.7   | 40.6    | 43.2 | 45.1    | 46.9   | 49.0    | 51.2 | 52.1    | 52.8   | 53.1    | 53.1 |
| 20°     | 38.3   | 41.2    | 43.6 | 45.5    | 47.4   | 49.6    | 51.6 | 52.3    | 53.0   | 53.1    | 53.1 |
| 18.75°  | 38.8   | 41.8    | 44.0 | 45.9    | 47.9   | 50.1    | 51.8 | 52.5    | 53.1   | 53.1    | 53.1 |
| 17.5°   | 39.3   | 42.3    | 44.4 | 46.2    | 48.4   | 50.6    | 51.9 | 52.7    | 53.1   | 53.1    | 53.1 |
| 16.25°  | 39.8   | 42.8    | 44.7 | 46.6    | 48.8   | 51.0    | 52.1 | 52.8    | 53.1   | 53.1    | 53.1 |
| 15°     | 40.3   | 43.1    | 45.0 | 46.9    | 49.2   | 51.4    | 52.2 | 53.0    | 53.1   | 53.1    | 53.1 |
| 13.75°  | 40.7   | 43.4    | 45.3 | 47.3    | 49.5   | 51.6    | 52.4 | 53.1    | 53.1   | 53.1    | 53.1 |
| 12.5°   | 41.0   | 43.6    | 45.6 | 47.6    | 49.9   | 51.7    | 52.5 | 53.1    | 53.1   | 53.1    | 53.1 |
| 11.25°  | 41.4   | 43.8    | 45.8 | 47.9    | 50.2   | 51.8    | 52.6 | 53.1    | 53.1   | 53.1    | 53.1 |
| 10°     | 41.7   | 44.0    | 46.0 | 48.2    | 50.5   | 51.9    | 52.7 | 53.1    | 53.1   | 53.1    | 53.1 |
| 8.75°   | 41.9   | 44.2    | 46.2 | 48.4    | 50.7   | 52.0    | 52.8 | 53.1    | 53.1   | 53.1    | 53.1 |
| 7.5°    | 42.2   | 44.4    | 46.3 | 48.6    | 50.9   | 52.1    | 52.9 | 53.1    | 53.1   | 53.1    | 53.1 |
| 6.25°   | 42.4   | 44.5    | 46.5 | 48.8    | 51.1   | 52.2    | 52.9 | 53.1    | 53.1   | 53.1    | 53.1 |
| 5°      | 42.5   | 44.6    | 46.6 | 48.9    | 51.2   | 52.2    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 |
| 3.75°   | 42.6   | 44.7    | 46.7 | 49.0    | 51.4   | 52.2    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 |
| 2.5°    | 42.7   | 44.8    | 46.7 | 49.1    | 51.4   | 52.3    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 |
| 1.25°   | 42.8   | 44.8    | 46.8 | 49.1    | 51.5   | 52.3    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 |
| 0°      | 42.8   | 44.8    | 46.8 | 49.2    | 51.5   | 52.3    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 |
| -1.25°  | 42.8   | 44.8    | 46.8 | 49.1    | 51.5   | 52.3    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 |
| -2.5°   | 42.7   | 44.8    | 46.7 | 49.1    | 51.4   | 52.3    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 |
| -3.75°  | 42.6   | 44.7    | 46.7 | 49.0    | 51.4   | 52.2    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 |
| -5°     | 42.5   | 44.6    | 46.6 | 48.9    | 51.2   | 52.2    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 |
| -6.25°  | 42.4   | 44.5    | 46.5 | 48.8    | 51.1   | 52.2    | 52.9 | 53.1    | 53.1   | 53.1    | 53.1 |
| -7.5°   | 42.2   | 44.4    | 46.3 | 48.6    | 50.9   | 52.1    | 52.9 | 53.1    | 53.1   | 53.1    | 53.1 |
| -8.75°  | 41.9   | 44.2    | 46.2 | 48.4    | 50.7   | 52.0    | 52.8 | 53.1    | 53.1   | 53.1    | 53.1 |
| -10°    | 41.7   | 44.0    | 46.0 | 48.2    | 50.5   | 51.9    | 52.7 | 53.1    | 53.1   | 53.1    | 53.1 |
| -11.25° | 41.4   | 43.8    | 45.8 | 47.9    | 50.2   | 51.8    | 52.6 | 53.1    | 53.1   | 53.1    | 53.1 |
| -12.5°  | 41.0   | 43.6    | 45.6 | 47.6    | 49.9   | 51.7    | 52.5 | 53.1    | 53.1   | 53.1    | 53.1 |
| -13.75° | 40.7   | 43.4    | 45.3 | 47.3    | 49.5   | 51.6    | 52.4 | 53.1    | 53.1   | 53.1    | 53.1 |
| -15°    | 40.3   | 43.1    | 45.0 | 46.9    | 49.2   | 51.4    | 52.2 | 53.0    | 53.1   | 53.1    | 53.1 |
| -16.25° | 39.8   | 42.8    | 44.7 | 46.6    | 48.8   | 51.0    | 52.1 | 52.8    | 53.1   | 53.1    | 53.1 |
| -17.5°  | 39.3   | 42.3    | 44.4 | 46.2    | 48.4   | 50.6    | 51.9 | 52.7    | 53.1   | 53.1    | 53.1 |
| -18.75° | 38.8   | 41.8    | 44.0 | 45.9    | 47.9   | 50.1    | 51.8 | 52.5    | 53.1   | 53.1    | 53.1 |
| -20°    | 38.3   | 41.2    | 43.6 | 45.5    | 47.4   | 49.6    | 51.6 | 52.3    | 53.0   | 53.1    | 53.1 |
| -21.25° | 37.7   | 40.6    | 43.2 | 45.1    | 46.9   | 49.0    | 51.2 | 52.1    | 52.8   | 53.1    | 53.1 |





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**CANDELA DISTRIBUTION (continued):**

|         | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| -22.5°  | 37.1   | 40.0    | 42.8 | 44.6    | 46.4   | 48.5    | 50.6 | 51.9    | 52.6   | 53.1    | 53.1 |
| -23.75° | 36.5   | 39.3    | 42.1 | 44.2    | 45.9   | 47.9    | 49.9 | 51.7    | 52.4   | 53.1    | 53.1 |
| -25°    | 35.8   | 38.6    | 41.4 | 43.7    | 45.4   | 47.2    | 49.3 | 51.3    | 52.1   | 52.8    | 53.1 |
| -26.25° | 35.1   | 37.9    | 40.6 | 43.2    | 44.9   | 46.6    | 48.6 | 50.6    | 51.9   | 52.6    | 53.1 |
| -27.5°  | 34.4   | 37.1    | 39.8 | 42.5    | 44.3   | 46.0    | 47.9 | 49.9    | 51.6   | 52.3    | 52.9 |
| -28.75° | 33.6   | 36.4    | 39.0 | 41.7    | 43.8   | 45.4    | 47.2 | 49.1    | 51.0   | 52.0    | 52.7 |
| -30°    | 32.8   | 35.5    | 38.2 | 40.8    | 43.2   | 44.8    | 46.5 | 48.3    | 50.2   | 51.7    | 52.3 |
| -31.25° | 32.0   | 34.7    | 37.3 | 39.8    | 42.4   | 44.2    | 45.8 | 47.5    | 49.4   | 51.2    | 52.0 |
| -32.5°  | 31.2   | 33.8    | 36.4 | 38.9    | 41.4   | 43.5    | 45.1 | 46.7    | 48.5   | 50.3    | 51.7 |
| -33.75° | 30.3   | 32.8    | 35.4 | 37.9    | 40.4   | 42.8    | 44.4 | 45.9    | 47.6   | 49.4    | 51.1 |
| -35°    | 29.5   | 31.9    | 34.4 | 36.9    | 39.3   | 41.7    | 43.6 | 45.2    | 46.7   | 48.4    | 50.1 |
| -36.25° | 28.7   | 30.9    | 33.4 | 35.8    | 38.2   | 40.6    | 42.9 | 44.4    | 45.8   | 47.4    | 49.1 |
| -37.5°  | 27.9   | 30.0    | 32.3 | 34.7    | 37.1   | 39.4    | 41.7 | 43.6    | 45.0   | 46.4    | 48.0 |
| -38.75° | 27.0   | 29.1    | 31.3 | 33.6    | 35.9   | 38.2    | 40.5 | 42.7    | 44.2   | 45.6    | 47.0 |
| -40°    | 26.2   | 28.2    | 30.2 | 32.4    | 34.7   | 37.0    | 39.2 | 41.4    | 43.3   | 44.6    | 46.0 |
| -41.25° | 25.3   | 27.2    | 29.2 | 31.3    | 33.5   | 35.7    | 37.9 | 40.0    | 42.1   | 43.7    | 45.0 |
| -42.5°  | 24.4   | 26.3    | 28.2 | 30.1    | 32.2   | 34.4    | 36.5 | 38.6    | 40.7   | 42.8    | 44.1 |
| -43.75° | 23.6   | 25.3    | 27.2 | 29.0    | 31.0   | 33.1    | 35.2 | 37.2    | 39.2   | 41.2    | 43.1 |
| -45°    | 22.8   | 24.4    | 26.2 | 27.9    | 29.7   | 31.7    | 33.8 | 35.8    | 37.8   | 39.7    | 41.6 |
| -46.25° | 22.0   | 23.5    | 25.1 | 26.9    | 28.6   | 30.3    | 32.3 | 34.3    | 36.2   | 38.1    | 40.0 |
| -47.5°  | 21.1   | 22.6    | 24.1 | 25.7    | 27.4   | 29.1    | 30.9 | 32.8    | 34.7   | 36.5    | 38.4 |
| -48.75° | 20.2   | 21.7    | 23.2 | 24.6    | 26.2   | 27.9    | 29.5 | 31.2    | 33.1   | 34.9    | 36.7 |
| -50°    | 19.5   | 20.8    | 22.2 | 23.6    | 25.0   | 26.6    | 28.2 | 29.7    | 31.5   | 33.2    | 35.0 |
| -51.25° | 18.9   | 19.8    | 21.2 | 22.6    | 23.9   | 25.4    | 26.9 | 28.4    | 29.9   | 31.5    | 33.2 |
| -52.5°  | 18.3   | 19.2    | 20.2 | 21.5    | 22.9   | 24.2    | 25.6 | 27.0    | 28.5   | 29.9    | 31.5 |
| -53.75° | 17.7   | 18.6    | 19.4 | 20.5    | 21.8   | 23.0    | 24.3 | 25.6    | 27.0   | 28.4    | 29.7 |
| -55°    | 17.1   | 18.0    | 18.8 | 19.6    | 20.7   | 21.9    | 23.1 | 24.3    | 25.6   | 26.9    | 28.2 |
| -56.25° | 16.6   | 17.3    | 18.1 | 18.9    | 19.6   | 20.7    | 21.9 | 23.0    | 24.2   | 25.4    | 26.6 |
| -57.5°  | 16.3   | 16.7    | 17.4 | 18.2    | 18.9   | 19.6    | 20.7 | 21.8    | 22.9   | 23.9    | 25.0 |
| -58.75° | 16.0   | 16.3    | 16.7 | 17.5    | 18.2   | 18.9    | 19.6 | 20.5    | 21.5   | 22.6    | 23.6 |
| -60°    | 15.6   | 16.0    | 16.4 | 16.7    | 17.4   | 18.1    | 18.8 | 19.4    | 20.2   | 21.2    | 22.2 |
| -61.25° | 15.3   | 15.7    | 16.0 | 16.3    | 16.7   | 17.3    | 18.0 | 18.6    | 19.2   | 19.8    | 20.8 |
| -62.5°  | 14.9   | 15.3    | 15.6 | 16.0    | 16.3   | 16.6    | 17.1 | 17.7    | 18.3   | 18.9    | 19.5 |
| -63.75° | 14.4   | 14.9    | 15.3 | 15.6    | 15.9   | 16.2    | 16.5 | 16.9    | 17.5   | 18.0    | 18.6 |
| -65°    | 13.9   | 14.4    | 14.8 | 15.2    | 15.5   | 15.8    | 16.1 | 16.4    | 16.6   | 17.1    | 17.6 |
| -66.25° | 13.4   | 13.8    | 14.3 | 14.7    | 15.1   | 15.4    | 15.6 | 15.9    | 16.2   | 16.4    | 16.7 |
| -67.5°  | 12.9   | 13.3    | 13.7 | 14.1    | 14.5   | 14.9    | 15.2 | 15.5    | 15.7   | 16.0    | 16.2 |
| -68.75° | 12.2   | 12.7    | 13.1 | 13.5    | 13.9   | 14.3    | 14.6 | 15.0    | 15.3   | 15.5    | 15.7 |
| -70°    | 11.5   | 12.0    | 12.5 | 12.9    | 13.3   | 13.6    | 14.0 | 14.3    | 14.6   | 15.0    | 15.2 |
| -71.25° | 10.8   | 11.3    | 11.7 | 12.2    | 12.6   | 13.0    | 13.3 | 13.6    | 13.9   | 14.2    | 14.5 |
| -72.5°  | 10.1   | 10.5    | 11.0 | 11.4    | 11.8   | 12.2    | 12.6 | 12.9    | 13.2   | 13.5    | 13.8 |
| -73.75° | 9.4    | 9.8     | 10.2 | 10.6    | 11.0   | 11.3    | 11.7 | 12.1    | 12.5   | 12.8    | 13.0 |
| -75°    | 8.7    | 9.1     | 9.4  | 9.8     | 10.1   | 10.5    | 10.8 | 11.2    | 11.5   | 11.8    | 12.2 |
| -76.25° | 8.0    | 8.3     | 8.6  | 9.0     | 9.3    | 9.6     | 9.9  | 10.2    | 10.5   | 10.9    | 11.1 |
| -77.5°  | 7.2    | 7.5     | 7.9  | 8.2     | 8.4    | 8.7     | 9.0  | 9.3     | 9.6    | 9.9     | 10.1 |



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**CANDELA DISTRIBUTION (continued):**

|         | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| -78.75° | 6.5    | 6.8     | 7.1  | 7.3     | 7.6    | 7.9     | 8.1  | 8.4     | 8.6    | 8.9     | 9.1  |
| -80°    | 5.7    | 6.0     | 6.3  | 6.5     | 6.8    | 7.0     | 7.2  | 7.4     | 7.7    | 7.9     | 8.1  |
| -81.25° | 4.8    | 5.0     | 5.3  | 5.6     | 5.8    | 6.1     | 6.3  | 6.5     | 6.7    | 6.9     | 7.1  |
| -82.5°  | 3.9    | 4.1     | 4.3  | 4.6     | 4.8    | 5.0     | 5.2  | 5.4     | 5.6    | 5.8     | 6.0  |
| -83.75° | 3.0    | 3.2     | 3.4  | 3.6     | 3.7    | 3.9     | 4.1  | 4.3     | 4.4    | 4.6     | 4.8  |
| -85°    | 2.2    | 2.3     | 2.4  | 2.5     | 2.7    | 2.8     | 3.0  | 3.1     | 3.2    | 3.4     | 3.5  |
| -86.25° | 1.7    | 1.7     | 1.8  | 1.9     | 1.9    | 2.0     | 2.1  | 2.1     | 2.2    | 2.3     | 2.3  |
| -87.5°  | 1.1    | 1.2     | 1.2  | 1.2     | 1.3    | 1.3     | 1.4  | 1.4     | 1.5    | 1.5     | 1.5  |
| -88.75° | 0.6    | 0.6     | 0.6  | 0.6     | 0.6    | 0.7     | 0.7  | 0.7     | 0.7    | 0.8     | 0.8  |
| -90°    | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|        | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|--------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| 90°    | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     |
| 88.75° | 0.8     | 0.8    | 0.8     | 0.8  | 0.9     | 0.9    | 0.9     | 0.9  | 0.9     | 1.0    | 1.0     |
| 87.5°  | 1.6     | 1.6    | 1.7     | 1.7  | 1.7     | 1.8    | 1.8     | 1.8  | 1.9     | 1.9    | 1.9     |
| 86.25° | 2.4     | 2.5    | 2.5     | 2.6  | 2.7     | 2.8    | 2.9     | 3.0  | 3.1     | 3.1    | 3.2     |
| 85°    | 3.6     | 3.8    | 3.9     | 4.0  | 4.1     | 4.2    | 4.4     | 4.5  | 4.6     | 4.7    | 4.8     |
| 83.75° | 4.9     | 5.1    | 5.2     | 5.4  | 5.5     | 5.7    | 5.8     | 6.0  | 6.1     | 6.2    | 6.3     |
| 82.5°  | 6.2     | 6.4    | 6.5     | 6.7  | 6.8     | 7.0    | 7.1     | 7.2  | 7.4     | 7.5    | 7.6     |
| 81.25° | 7.3     | 7.5    | 7.6     | 7.8  | 8.0     | 8.1    | 8.3     | 8.5  | 8.6     | 8.8    | 8.9     |
| 80°    | 8.3     | 8.5    | 8.7     | 8.9  | 9.1     | 9.3    | 9.5     | 9.7  | 9.9     | 10.0   | 10.2    |
| 78.75° | 9.4     | 9.6    | 9.8     | 10.0 | 10.3    | 10.5   | 10.7    | 10.9 | 11.1    | 11.3   | 11.5    |
| 77.5°  | 10.4    | 10.7   | 10.9    | 11.2 | 11.4    | 11.7   | 11.9    | 12.1 | 12.3    | 12.6   | 12.8    |
| 76.25° | 11.4    | 11.7   | 12.0    | 12.3 | 12.6    | 12.8   | 13.0    | 13.2 | 13.4    | 13.5   | 13.7    |
| 75°    | 12.5    | 12.8   | 13.0    | 13.2 | 13.4    | 13.7   | 13.9    | 14.1 | 14.3    | 14.5   | 14.7    |
| 73.75° | 13.3    | 13.6   | 13.8    | 14.1 | 14.3    | 14.5   | 14.8    | 15.0 | 15.2    | 15.3   | 15.4    |
| 72.5°  | 14.1    | 14.4   | 14.6    | 14.9 | 15.1    | 15.3   | 15.5    | 15.6 | 15.8    | 15.9   | 16.1    |
| 71.25° | 14.8    | 15.1   | 15.3    | 15.5 | 15.7    | 15.9   | 16.1    | 16.2 | 16.4    | 16.6   | 16.7    |
| 70°    | 15.4    | 15.7   | 15.9    | 16.1 | 16.3    | 16.4   | 16.6    | 16.9 | 17.3    | 17.6   | 18.0    |
| 68.75° | 15.9    | 16.2   | 16.4    | 16.6 | 16.9    | 17.3   | 17.7    | 18.1 | 18.5    | 18.8   | 19.2    |
| 67.5°  | 16.5    | 16.7   | 17.1    | 17.6 | 18.0    | 18.4   | 18.8    | 19.2 | 19.6    | 20.1   | 20.7    |
| 66.25° | 17.2    | 17.7   | 18.2    | 18.6 | 19.1    | 19.5   | 20.0    | 20.7 | 21.3    | 22.0   | 22.6    |
| 65°    | 18.2    | 18.7   | 19.2    | 19.7 | 20.3    | 21.1   | 21.8    | 22.5 | 23.1    | 23.8   | 24.5    |
| 63.75° | 19.1    | 19.7   | 20.4    | 21.2 | 22.0    | 22.7   | 23.5    | 24.2 | 25.0    | 25.8   | 26.6    |
| 62.5°  | 20.2    | 21.1   | 22.0    | 22.8 | 23.6    | 24.4   | 25.3    | 26.2 | 27.0    | 27.9   | 28.7    |
| 61.25° | 21.7    | 22.6   | 23.5    | 24.4 | 25.3    | 26.3   | 27.2    | 28.2 | 29.1    | 30.0   | 30.9    |
| 60°    | 23.2    | 24.1   | 25.1    | 26.2 | 27.2    | 28.2   | 29.2    | 30.2 | 31.3    | 32.3   | 33.4    |
| 58.75° | 24.6    | 25.7   | 26.9    | 27.9 | 29.0    | 30.1   | 31.3    | 32.4 | 33.6    | 34.7   | 35.8    |
| 57.5°  | 26.2    | 27.4   | 28.6    | 29.7 | 31.0    | 32.2   | 33.5    | 34.7 | 35.9    | 37.1   | 38.2    |
| 56.25° | 27.9    | 29.1   | 30.3    | 31.7 | 33.1    | 34.4   | 35.7    | 37.0 | 38.2    | 39.4   | 40.6    |
| 55°    | 29.5    | 30.9   | 32.3    | 33.8 | 35.2    | 36.5   | 37.9    | 39.2 | 40.5    | 41.7   | 42.9    |
| 53.75° | 31.2    | 32.8   | 34.3    | 35.8 | 37.2    | 38.6   | 40.0    | 41.4 | 42.7    | 43.6   | 44.4    |
| 52.5°  | 33.1    | 34.7   | 36.2    | 37.8 | 39.2    | 40.7   | 42.1    | 43.3 | 44.2    | 45.0   | 45.8    |
| 51.25° | 34.9    | 36.5   | 38.1    | 39.7 | 41.2    | 42.8   | 43.7    | 44.6 | 45.6    | 46.4   | 47.4    |
| 50°    | 36.7    | 38.4   | 40.0    | 41.6 | 43.1    | 44.1   | 45.0    | 46.0 | 47.0    | 48.0   | 49.1    |
| 48.75° | 38.4    | 40.2   | 41.9    | 43.3 | 44.3    | 45.3   | 46.3    | 47.4 | 48.6    | 49.7   | 50.8    |
| 47.5°  | 40.2    | 41.9   | 43.4    | 44.5 | 45.5    | 46.6   | 47.8    | 49.0 | 50.2    | 51.3   | 51.8    |
| 46.25° | 41.9    | 43.4   | 44.5    | 45.6 | 46.7    | 48.0   | 49.3    | 50.5 | 51.6    | 52.0   | 52.4    |
| 45°    | 43.3    | 44.5   | 45.6    | 46.8 | 48.1    | 49.5   | 50.8    | 51.7 | 52.1    | 52.5   | 53.0    |
| 43.75° | 44.3    | 45.5   | 46.7    | 48.1 | 49.5    | 50.9   | 51.8    | 52.2 | 52.6    | 53.1   | 53.1    |
| 42.5°  | 45.3    | 46.6   | 48.0    | 49.5 | 50.9    | 51.8   | 52.2    | 52.7 | 53.1    | 53.1   | 53.1    |
| 41.25° | 46.3    | 47.8   | 49.3    | 50.8 | 51.8    | 52.2   | 52.7    | 53.1 | 53.1    | 53.1   | 53.1    |
| 40°    | 47.4    | 49.0   | 50.5    | 51.7 | 52.2    | 52.7   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| 38.75° | 48.6    | 50.2   | 51.6    | 52.1 | 52.6    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| 37.5°  | 49.7    | 51.3   | 52.0    | 52.5 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| 36.25° | 50.8    | 51.8   | 52.4    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.5    |
| 35°    | 51.6    | 52.2   | 52.8    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.4   | 54.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| 33.75°  | 52.0    | 52.6   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.4    | 53.9   | 54.4    |
| 32.5°   | 52.3    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.3 | 53.8    | 54.4   | 55.0    |
| 31.25°  | 52.7    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.7 | 54.3    | 54.9   | 55.7    |
| 30°     | 53.0    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.5    | 54.1 | 54.7    | 55.6   | 56.4    |
| 28.75°  | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.3   | 53.9    | 54.5 | 55.3    | 56.2   | 57.1    |
| 27.5°   | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.6   | 54.3    | 55.0 | 55.9    | 56.8   | 57.7    |
| 26.25°  | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 54.0   | 54.6    | 55.6 | 56.5    | 57.4   | 58.4    |
| 25°     | 53.1    | 53.1   | 53.1    | 53.1 | 53.7    | 54.3   | 55.1    | 56.1 | 57.1    | 58.0   | 59.0    |
| 23.75°  | 53.1    | 53.1   | 53.1    | 53.3 | 54.0    | 54.7   | 55.6    | 56.6 | 57.6    | 58.6   | 59.6    |
| 22.5°   | 53.1    | 53.1   | 53.1    | 53.6 | 54.3    | 55.1   | 56.1    | 57.1 | 58.2    | 59.1   | 60.1    |
| 21.25°  | 53.1    | 53.1   | 53.2    | 53.9 | 54.6    | 55.6   | 56.6    | 57.6 | 58.7    | 59.7   | 60.6    |
| 20°     | 53.1    | 53.1   | 53.4    | 54.2 | 54.9    | 56.0   | 57.1    | 58.1 | 59.1    | 60.1   | 61.1    |
| 18.75°  | 53.1    | 53.1   | 53.7    | 54.4 | 55.3    | 56.4   | 57.5    | 58.5 | 59.6    | 60.6   | 61.6    |
| 17.5°   | 53.1    | 53.2   | 53.9    | 54.6 | 55.7    | 56.8   | 57.9    | 59.0 | 60.0    | 61.0   | 62.1    |
| 16.25°  | 53.1    | 53.4   | 54.1    | 54.9 | 56.1    | 57.2   | 58.3    | 59.4 | 60.4    | 61.4   | 62.5    |
| 15°     | 53.1    | 53.6   | 54.3    | 55.3 | 56.4    | 57.5   | 58.6    | 59.7 | 60.8    | 61.8   | 62.9    |
| 13.75°  | 53.1    | 53.7   | 54.5    | 55.5 | 56.7    | 57.8   | 58.9    | 60.0 | 61.1    | 62.2   | 63.3    |
| 12.5°   | 53.1    | 53.9   | 54.7    | 55.8 | 57.0    | 58.1   | 59.2    | 60.3 | 61.4    | 62.5   | 63.7    |
| 11.25°  | 53.3    | 54.1   | 54.9    | 56.1 | 57.2    | 58.4   | 59.5    | 60.6 | 61.7    | 62.8   | 64.0    |
| 10°     | 53.4    | 54.2   | 55.1    | 56.3 | 57.4    | 58.6   | 59.7    | 60.9 | 62.0    | 63.1   | 64.4    |
| 8.75°   | 53.5    | 54.3   | 55.3    | 56.5 | 57.6    | 58.8   | 60.0    | 61.1 | 62.2    | 63.4   | 64.9    |
| 7.5°    | 53.6    | 54.4   | 55.5    | 56.6 | 57.8    | 59.0   | 60.1    | 61.3 | 62.4    | 63.6   | 65.3    |
| 6.25°   | 53.7    | 54.5   | 55.6    | 56.8 | 58.0    | 59.1   | 60.3    | 61.4 | 62.6    | 63.8   | 65.7    |
| 5°      | 53.8    | 54.6   | 55.7    | 56.9 | 58.1    | 59.3   | 60.4    | 61.6 | 62.7    | 63.9   | 66.0    |
| 3.75°   | 53.8    | 54.6   | 55.8    | 57.0 | 58.2    | 59.4   | 60.5    | 61.7 | 62.9    | 64.0   | 66.3    |
| 2.5°    | 53.9    | 54.7   | 55.8    | 57.0 | 58.2    | 59.4   | 60.6    | 61.7 | 62.9    | 64.1   | 66.5    |
| 1.25°   | 53.9    | 54.7   | 55.9    | 57.1 | 58.3    | 59.5   | 60.6    | 61.8 | 63.0    | 64.2   | 66.6    |
| 0°      | 53.9    | 54.7   | 55.9    | 57.1 | 58.3    | 59.5   | 60.7    | 61.8 | 63.0    | 64.2   | 66.6    |
| -1.25°  | 53.9    | 54.7   | 55.9    | 57.1 | 58.3    | 59.5   | 60.6    | 61.8 | 63.0    | 64.2   | 66.6    |
| -2.5°   | 53.9    | 54.7   | 55.8    | 57.0 | 58.2    | 59.4   | 60.6    | 61.7 | 62.9    | 64.1   | 66.5    |
| -3.75°  | 53.8    | 54.6   | 55.8    | 57.0 | 58.2    | 59.4   | 60.5    | 61.7 | 62.9    | 64.0   | 66.3    |
| -5°     | 53.8    | 54.6   | 55.7    | 56.9 | 58.1    | 59.3   | 60.4    | 61.6 | 62.7    | 63.9   | 66.0    |
| -6.25°  | 53.7    | 54.5   | 55.6    | 56.8 | 58.0    | 59.1   | 60.3    | 61.4 | 62.6    | 63.8   | 65.7    |
| -7.5°   | 53.6    | 54.4   | 55.5    | 56.6 | 57.8    | 59.0   | 60.1    | 61.3 | 62.4    | 63.6   | 65.3    |
| -8.75°  | 53.5    | 54.3   | 55.3    | 56.5 | 57.6    | 58.8   | 60.0    | 61.1 | 62.2    | 63.4   | 64.9    |
| -10°    | 53.4    | 54.2   | 55.1    | 56.3 | 57.4    | 58.6   | 59.7    | 60.9 | 62.0    | 63.1   | 64.4    |
| -11.25° | 53.3    | 54.1   | 54.9    | 56.1 | 57.2    | 58.4   | 59.5    | 60.6 | 61.7    | 62.8   | 64.0    |
| -12.5°  | 53.1    | 53.9   | 54.7    | 55.8 | 57.0    | 58.1   | 59.2    | 60.3 | 61.4    | 62.5   | 63.7    |
| -13.75° | 53.1    | 53.7   | 54.5    | 55.5 | 56.7    | 57.8   | 58.9    | 60.0 | 61.1    | 62.2   | 63.3    |
| -15°    | 53.1    | 53.6   | 54.3    | 55.3 | 56.4    | 57.5   | 58.6    | 59.7 | 60.8    | 61.8   | 62.9    |
| -16.25° | 53.1    | 53.4   | 54.1    | 54.9 | 56.1    | 57.2   | 58.3    | 59.4 | 60.4    | 61.4   | 62.5    |
| -17.5°  | 53.1    | 53.2   | 53.9    | 54.6 | 55.7    | 56.8   | 57.9    | 59.0 | 60.0    | 61.0   | 62.1    |
| -18.75° | 53.1    | 53.1   | 53.7    | 54.4 | 55.3    | 56.4   | 57.5    | 58.5 | 59.6    | 60.6   | 61.6    |
| -20°    | 53.1    | 53.1   | 53.4    | 54.2 | 54.9    | 56.0   | 57.1    | 58.1 | 59.1    | 60.1   | 61.1    |
| -21.25° | 53.1    | 53.1   | 53.2    | 53.9 | 54.6    | 55.6   | 56.6    | 57.6 | 58.7    | 59.7   | 60.6    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| -22.5°  | 53.1    | 53.1   | 53.1    | 53.6 | 54.3    | 55.1   | 56.1    | 57.1 | 58.2    | 59.1   | 60.1    |
| -23.75° | 53.1    | 53.1   | 53.1    | 53.3 | 54.0    | 54.7   | 55.6    | 56.6 | 57.6    | 58.6   | 59.6    |
| -25°    | 53.1    | 53.1   | 53.1    | 53.1 | 53.7    | 54.3   | 55.1    | 56.1 | 57.1    | 58.0   | 59.0    |
| -26.25° | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 54.0   | 54.6    | 55.6 | 56.5    | 57.4   | 58.4    |
| -27.5°  | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.6   | 54.3    | 55.0 | 55.9    | 56.8   | 57.7    |
| -28.75° | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.3   | 53.9    | 54.5 | 55.3    | 56.2   | 57.1    |
| -30°    | 53.0    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.5    | 54.1 | 54.7    | 55.6   | 56.4    |
| -31.25° | 52.7    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.7 | 54.3    | 54.9   | 55.7    |
| -32.5°  | 52.3    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.3 | 53.8    | 54.4   | 55.0    |
| -33.75° | 52.0    | 52.6   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.4    | 53.9   | 54.4    |
| -35°    | 51.6    | 52.2   | 52.8    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.4   | 54.0    |
| -36.25° | 50.8    | 51.8   | 52.4    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.5    |
| -37.5°  | 49.7    | 51.3   | 52.0    | 52.5 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| -38.75° | 48.6    | 50.2   | 51.6    | 52.1 | 52.6    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| -40°    | 47.4    | 49.0   | 50.5    | 51.7 | 52.2    | 52.7   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    |
| -41.25° | 46.3    | 47.8   | 49.3    | 50.8 | 51.8    | 52.2   | 52.7    | 53.1 | 53.1    | 53.1   | 53.1    |
| -42.5°  | 45.3    | 46.6   | 48.0    | 49.5 | 50.9    | 51.8   | 52.2    | 52.7 | 53.1    | 53.1   | 53.1    |
| -43.75° | 44.3    | 45.5   | 46.7    | 48.1 | 49.5    | 50.9   | 51.8    | 52.2 | 52.6    | 53.1   | 53.1    |
| -45°    | 43.3    | 44.5   | 45.6    | 46.8 | 48.1    | 49.5   | 50.8    | 51.7 | 52.1    | 52.5   | 53.0    |
| -46.25° | 41.9    | 43.4   | 44.5    | 45.6 | 46.7    | 48.0   | 49.3    | 50.5 | 51.6    | 52.0   | 52.4    |
| -47.5°  | 40.2    | 41.9   | 43.4    | 44.5 | 45.5    | 46.6   | 47.8    | 49.0 | 50.2    | 51.3   | 51.8    |
| -48.75° | 38.4    | 40.2   | 41.9    | 43.3 | 44.3    | 45.3   | 46.3    | 47.4 | 48.6    | 49.7   | 50.8    |
| -50°    | 36.7    | 38.4   | 40.0    | 41.6 | 43.1    | 44.1   | 45.0    | 46.0 | 47.0    | 48.0   | 49.1    |
| -51.25° | 34.9    | 36.5   | 38.1    | 39.7 | 41.2    | 42.8   | 43.7    | 44.6 | 45.6    | 46.4   | 47.4    |
| -52.5°  | 33.1    | 34.7   | 36.2    | 37.8 | 39.2    | 40.7   | 42.1    | 43.3 | 44.2    | 45.0   | 45.8    |
| -53.75° | 31.2    | 32.8   | 34.3    | 35.8 | 37.2    | 38.6   | 40.0    | 41.4 | 42.7    | 43.6   | 44.4    |
| -55°    | 29.5    | 30.9   | 32.3    | 33.8 | 35.2    | 36.5   | 37.9    | 39.2 | 40.5    | 41.7   | 42.9    |
| -56.25° | 27.9    | 29.1   | 30.3    | 31.7 | 33.1    | 34.4   | 35.7    | 37.0 | 38.2    | 39.4   | 40.6    |
| -57.5°  | 26.2    | 27.4   | 28.6    | 29.7 | 31.0    | 32.2   | 33.5    | 34.7 | 35.9    | 37.1   | 38.2    |
| -58.75° | 24.6    | 25.7   | 26.9    | 27.9 | 29.0    | 30.1   | 31.3    | 32.4 | 33.6    | 34.7   | 35.8    |
| -60°    | 23.2    | 24.1   | 25.1    | 26.2 | 27.2    | 28.2   | 29.2    | 30.2 | 31.3    | 32.3   | 33.4    |
| -61.25° | 21.7    | 22.6   | 23.5    | 24.4 | 25.3    | 26.3   | 27.2    | 28.2 | 29.1    | 30.0   | 30.9    |
| -62.5°  | 20.2    | 21.1   | 22.0    | 22.8 | 23.6    | 24.4   | 25.3    | 26.2 | 27.0    | 27.9   | 28.7    |
| -63.75° | 19.1    | 19.7   | 20.4    | 21.2 | 22.0    | 22.7   | 23.5    | 24.2 | 25.0    | 25.8   | 26.6    |
| -65°    | 18.2    | 18.7   | 19.2    | 19.7 | 20.3    | 21.1   | 21.8    | 22.5 | 23.1    | 23.8   | 24.5    |
| -66.25° | 17.2    | 17.7   | 18.2    | 18.6 | 19.1    | 19.5   | 20.0    | 20.7 | 21.3    | 22.0   | 22.6    |
| -67.5°  | 16.5    | 16.7   | 17.1    | 17.6 | 18.0    | 18.4   | 18.8    | 19.2 | 19.6    | 20.1   | 20.7    |
| -68.75° | 15.9    | 16.2   | 16.4    | 16.6 | 16.9    | 17.3   | 17.7    | 18.1 | 18.5    | 18.8   | 19.2    |
| -70°    | 15.4    | 15.7   | 15.9    | 16.1 | 16.3    | 16.4   | 16.6    | 16.9 | 17.3    | 17.6   | 18.0    |
| -71.25° | 14.8    | 15.1   | 15.3    | 15.5 | 15.7    | 15.9   | 16.1    | 16.2 | 16.4    | 16.6   | 16.7    |
| -72.5°  | 14.1    | 14.4   | 14.6    | 14.9 | 15.1    | 15.3   | 15.5    | 15.6 | 15.8    | 15.9   | 16.1    |
| -73.75° | 13.3    | 13.6   | 13.8    | 14.1 | 14.3    | 14.5   | 14.8    | 15.0 | 15.2    | 15.3   | 15.4    |
| -75°    | 12.5    | 12.8   | 13.0    | 13.2 | 13.4    | 13.7   | 13.9    | 14.1 | 14.3    | 14.5   | 14.7    |
| -76.25° | 11.4    | 11.7   | 12.0    | 12.3 | 12.6    | 12.8   | 13.0    | 13.2 | 13.4    | 13.5   | 13.7    |
| -77.5°  | 10.4    | 10.7   | 10.9    | 11.2 | 11.4    | 11.7   | 11.9    | 12.1 | 12.3    | 12.6   | 12.8    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| -78.75° | 9.4     | 9.6    | 9.8     | 10.0 | 10.3    | 10.5   | 10.7    | 10.9 | 11.1    | 11.3   | 11.5    |
| -80°    | 8.3     | 8.5    | 8.7     | 8.9  | 9.1     | 9.3    | 9.5     | 9.7  | 9.9     | 10.0   | 10.2    |
| -81.25° | 7.3     | 7.5    | 7.6     | 7.8  | 8.0     | 8.1    | 8.3     | 8.5  | 8.6     | 8.8    | 8.9     |
| -82.5°  | 6.2     | 6.4    | 6.5     | 6.7  | 6.8     | 7.0    | 7.1     | 7.2  | 7.4     | 7.5    | 7.6     |
| -83.75° | 4.9     | 5.1    | 5.2     | 5.4  | 5.5     | 5.7    | 5.8     | 6.0  | 6.1     | 6.2    | 6.3     |
| -85°    | 3.6     | 3.8    | 3.9     | 4.0  | 4.1     | 4.2    | 4.4     | 4.5  | 4.6     | 4.7    | 4.8     |
| -86.25° | 2.4     | 2.5    | 2.5     | 2.6  | 2.7     | 2.8    | 2.9     | 3.0  | 3.1     | 3.1    | 3.2     |
| -87.5°  | 1.6     | 1.6    | 1.7     | 1.7  | 1.7     | 1.8    | 1.8     | 1.8  | 1.9     | 1.9    | 1.9     |
| -88.75° | 0.8     | 0.8    | 0.8     | 0.8  | 0.9     | 0.9    | 0.9     | 0.9  | 0.9     | 1.0    | 1.0     |
| -90°    | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|--------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 90°    | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    |
| 88.75° | 1.0  | 1.0     | 1.0    | 1.0     | 1.0  | 1.1     | 1.1    | 1.1     | 1.1  | 1.1     | 1.1    |
| 87.5°  | 2.0  | 2.0     | 2.0    | 2.1     | 2.1  | 2.1     | 2.1    | 2.2     | 2.2  | 2.2     | 2.2    |
| 86.25° | 3.3  | 3.4     | 3.4    | 3.5     | 3.6  | 3.6     | 3.7    | 3.7     | 3.8  | 3.9     | 3.9    |
| 85°    | 4.9  | 5.0     | 5.1    | 5.2     | 5.3  | 5.3     | 5.4    | 5.5     | 5.6  | 5.6     | 5.7    |
| 83.75° | 6.4  | 6.5     | 6.6    | 6.7     | 6.8  | 6.9     | 7.0    | 7.1     | 7.1  | 7.2     | 7.3    |
| 82.5°  | 7.8  | 7.9     | 8.0    | 8.1     | 8.2  | 8.3     | 8.4    | 8.5     | 8.6  | 8.7     | 8.8    |
| 81.25° | 9.1  | 9.2     | 9.3    | 9.5     | 9.6  | 9.7     | 9.8    | 9.9     | 10.0 | 10.1    | 10.2   |
| 80°    | 10.4 | 10.5    | 10.7   | 10.8    | 11.0 | 11.1    | 11.2   | 11.4    | 11.5 | 11.6    | 11.7   |
| 78.75° | 11.7 | 11.8    | 12.0   | 12.2    | 12.4 | 12.5    | 12.7   | 12.8    | 12.9 | 13.0    | 13.1   |
| 77.5°  | 12.9 | 13.1    | 13.2   | 13.3    | 13.5 | 13.6    | 13.7   | 13.8    | 14.0 | 14.1    | 14.2   |
| 76.25° | 13.9 | 14.0    | 14.2   | 14.4    | 14.5 | 14.6    | 14.8   | 14.9    | 15.0 | 15.1    | 15.2   |
| 75°    | 14.9 | 15.0    | 15.2   | 15.3    | 15.4 | 15.5    | 15.6   | 15.7    | 15.8 | 15.9    | 16.0   |
| 73.75° | 15.6 | 15.7    | 15.8   | 16.0    | 16.1 | 16.2    | 16.3   | 16.4    | 16.5 | 16.6    | 16.7   |
| 72.5°  | 16.2 | 16.4    | 16.5   | 16.6    | 16.8 | 17.1    | 17.3   | 17.5    | 17.7 | 17.9    | 18.1   |
| 71.25° | 17.0 | 17.3    | 17.6   | 17.9    | 18.1 | 18.4    | 18.6   | 18.9    | 19.1 | 19.3    | 19.5   |
| 70°    | 18.3 | 18.6    | 18.9   | 19.2    | 19.5 | 19.7    | 20.1   | 20.5    | 20.9 | 21.2    | 21.6   |
| 68.75° | 19.5 | 19.9    | 20.4   | 20.9    | 21.3 | 21.8    | 22.2   | 22.6    | 23.0 | 23.4    | 23.8   |
| 67.5°  | 21.3 | 21.8    | 22.4   | 22.9    | 23.4 | 23.8    | 24.3   | 24.8    | 25.2 | 25.7    | 26.2   |
| 66.25° | 23.2 | 23.8    | 24.3   | 24.9    | 25.5 | 26.1    | 26.6   | 27.2    | 27.7 | 28.2    | 28.7   |
| 65°    | 25.2 | 25.9    | 26.5   | 27.2    | 27.8 | 28.4    | 29.0   | 29.6    | 30.2 | 30.8    | 31.3   |
| 63.75° | 27.3 | 28.1    | 28.8   | 29.5    | 30.2 | 30.9    | 31.6   | 32.3    | 33.0 | 33.6    | 34.2   |
| 62.5°  | 29.5 | 30.3    | 31.2   | 32.0    | 32.8 | 33.6    | 34.4   | 35.1    | 35.8 | 36.5    | 37.1   |
| 61.25° | 31.9 | 32.8    | 33.8   | 34.7    | 35.5 | 36.4    | 37.1   | 37.9    | 38.6 | 39.3    | 40.0   |
| 60°    | 34.4 | 35.4    | 36.4   | 37.3    | 38.2 | 39.0    | 39.8   | 40.6    | 41.4 | 42.1    | 42.8   |
| 58.75° | 36.9 | 37.9    | 38.9   | 39.8    | 40.8 | 41.7    | 42.5   | 43.2    | 43.7 | 44.2    | 44.6   |
| 57.5°  | 39.3 | 40.4    | 41.4   | 42.4    | 43.2 | 43.8    | 44.3   | 44.9    | 45.4 | 45.9    | 46.4   |
| 56.25° | 41.7 | 42.8    | 43.5   | 44.2    | 44.8 | 45.4    | 46.0   | 46.6    | 47.2 | 47.9    | 48.5   |
| 55°    | 43.6 | 44.4    | 45.1   | 45.8    | 46.5 | 47.2    | 47.9   | 48.6    | 49.3 | 49.9    | 50.6   |
| 53.75° | 45.2 | 45.9    | 46.7   | 47.5    | 48.3 | 49.1    | 49.9   | 50.6    | 51.3 | 51.7    | 51.9   |
| 52.5°  | 46.7 | 47.6    | 48.5   | 49.4    | 50.2 | 51.0    | 51.6   | 51.9    | 52.1 | 52.4    | 52.6   |
| 51.25° | 48.4 | 49.4    | 50.3   | 51.2    | 51.7 | 52.0    | 52.3   | 52.6    | 52.8 | 53.1    | 53.1   |
| 50°    | 50.1 | 51.1    | 51.7   | 52.0    | 52.3 | 52.7    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   |
| 48.75° | 51.6 | 52.0    | 52.3   | 52.7    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| 47.5°  | 52.2 | 52.6    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| 46.25° | 52.8 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| 45°    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 53.6   |
| 43.75° | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.3    | 53.7 | 54.0    | 54.3   |
| 42.5°  | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 53.6   | 54.0    | 54.3 | 54.7    | 55.1   |
| 41.25° | 53.1 | 53.1    | 53.1   | 53.1    | 53.5 | 53.9    | 54.3   | 54.6    | 55.1 | 55.6    | 56.1   |
| 40°    | 53.1 | 53.1    | 53.3   | 53.7    | 54.1 | 54.5    | 55.0   | 55.6    | 56.1 | 56.6    | 57.1   |
| 38.75° | 53.1 | 53.4    | 53.8   | 54.3    | 54.7 | 55.3    | 55.9   | 56.5    | 57.1 | 57.6    | 58.2   |
| 37.5°  | 53.4 | 53.9    | 54.4   | 54.9    | 55.6 | 56.2    | 56.8   | 57.4    | 58.0 | 58.6    | 59.1   |
| 36.25° | 54.0 | 54.4    | 55.0   | 55.7    | 56.4 | 57.1    | 57.7   | 58.4    | 59.0 | 59.6    | 60.1   |
| 35°    | 54.5 | 55.1    | 55.9   | 56.6    | 57.3 | 58.0    | 58.6   | 59.3    | 59.9 | 60.5    | 61.0   |



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**CANDELA DISTRIBUTION (continued):**

|         | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25°  | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|-------|---------|--------|
| 33.75°  | 55.1 | 55.9    | 56.6   | 57.4    | 58.1 | 58.8    | 59.5   | 60.2    | 60.8  | 61.4    | 62.0   |
| 32.5°   | 55.9 | 56.6    | 57.4   | 58.2    | 58.9 | 59.7    | 60.4   | 61.0    | 61.7  | 62.3    | 62.9   |
| 31.25°  | 56.6 | 57.4    | 58.2   | 59.0    | 59.7 | 60.5    | 61.2   | 61.9    | 62.6  | 63.2    | 63.9   |
| 30°     | 57.3 | 58.1    | 58.9   | 59.7    | 60.5 | 61.2    | 62.0   | 62.7    | 63.4  | 64.1    | 65.4   |
| 28.75°  | 58.0 | 58.8    | 59.7   | 60.5    | 61.2 | 62.0    | 62.8   | 63.6    | 64.4  | 65.9    | 67.3   |
| 27.5°   | 58.6 | 59.5    | 60.4   | 61.2    | 62.0 | 62.8    | 63.6   | 64.6    | 66.1  | 67.6    | 69.2   |
| 26.25°  | 59.3 | 60.2    | 61.0   | 61.9    | 62.7 | 63.6    | 64.6   | 66.2    | 67.8  | 70.0    | 74.2   |
| 25°     | 59.9 | 60.8    | 61.7   | 62.6    | 63.4 | 64.4    | 66.1   | 67.8    | 70.2  | 74.7    | 79.0   |
| 23.75°  | 60.5 | 61.4    | 62.3   | 63.2    | 64.1 | 65.9    | 67.6   | 70.0    | 74.7  | 79.3    | 84.0   |
| 22.5°   | 61.0 | 62.0    | 62.9   | 63.9    | 65.4 | 67.3    | 69.2   | 74.2    | 79.0  | 84.0    | 89.5   |
| 21.25°  | 61.6 | 62.6    | 63.5   | 64.8    | 66.7 | 68.6    | 73.1   | 78.2    | 83.4  | 89.1    | 94.7   |
| 20°     | 62.1 | 63.1    | 64.1   | 66.0    | 68.0 | 71.6    | 76.9   | 82.2    | 88.1  | 94.1    | 100.8  |
| 18.75°  | 62.6 | 63.7    | 65.2   | 67.2    | 69.5 | 75.0    | 80.5   | 86.5    | 92.7  | 99.1    | 109.4  |
| 17.5°   | 63.1 | 64.2    | 66.2   | 68.3    | 72.7 | 78.4    | 84.2   | 90.7    | 97.1  | 106.6   | 131.5  |
| 16.25°  | 63.6 | 65.1    | 67.2   | 69.9    | 75.7 | 81.5    | 88.1   | 94.7    | 103.1 | 123.0   | 172.5  |
| 15°     | 64.0 | 66.0    | 68.1   | 72.6    | 78.6 | 84.8    | 91.7   | 98.6    | 111.4 | 148.0   | 224.9  |
| 13.75°  | 64.6 | 66.8    | 69.0   | 75.2    | 81.2 | 88.1    | 95.1   | 104.4   | 128.7 | 190.8   | 287.6  |
| 12.5°   | 65.4 | 67.6    | 71.3   | 77.5    | 83.9 | 91.1    | 98.3   | 112.1   | 154.0 | 240.0   | 352.9  |
| 11.25°  | 66.0 | 68.3    | 73.4   | 79.7    | 86.6 | 93.9    | 103.0  | 126.2   | 189.2 | 291.7   | 415.9  |
| 10°     | 66.6 | 68.9    | 75.3   | 81.7    | 89.0 | 96.4    | 107.3  | 140.6   | 226.6 | 344.3   | 477.9  |
| 8.75°   | 67.2 | 70.4    | 76.9   | 83.6    | 91.1 | 98.9    | 115.8  | 167.9   | 266.9 | 393.5   | 533.9  |
| 7.5°    | 67.7 | 71.8    | 78.4   | 85.4    | 93.0 | 102.1   | 125.4  | 191.9   | 302.2 | 438.2   | 583.3  |
| 6.25°   | 68.1 | 73.0    | 79.6   | 86.9    | 94.6 | 104.8   | 133.7  | 214.3   | 337.0 | 478.4   | 625.8  |
| 5°      | 68.4 | 74.0    | 80.7   | 88.1    | 95.9 | 107.1   | 143.9  | 238.1   | 366.1 | 511.6   | 661.0  |
| 3.75°   | 68.7 | 74.8    | 81.5   | 89.1    | 97.0 | 109.4   | 156.5  | 256.7   | 389.0 | 537.8   | 688.7  |
| 2.5°    | 68.9 | 75.3    | 82.0   | 89.8    | 97.7 | 113.0   | 165.6  | 270.1   | 405.5 | 556.6   | 708.6  |
| 1.25°   | 69.0 | 75.6    | 82.4   | 90.3    | 98.2 | 115.2   | 171.0  | 278.2   | 415.4 | 567.9   | 720.7  |
| 0°      | 69.0 | 75.8    | 82.5   | 90.4    | 98.3 | 116.0   | 172.9  | 280.9   | 418.7 | 571.7   | 724.7  |
| -1.25°  | 69.0 | 75.6    | 82.4   | 90.3    | 98.2 | 115.2   | 171.0  | 278.2   | 415.4 | 567.9   | 720.7  |
| -2.5°   | 68.9 | 75.3    | 82.0   | 89.8    | 97.7 | 113.0   | 165.6  | 270.1   | 405.5 | 556.6   | 708.6  |
| -3.75°  | 68.7 | 74.8    | 81.5   | 89.1    | 97.0 | 109.4   | 156.5  | 256.7   | 389.0 | 537.8   | 688.7  |
| -5°     | 68.4 | 74.0    | 80.7   | 88.1    | 95.9 | 107.1   | 143.9  | 238.1   | 366.1 | 511.6   | 661.0  |
| -6.25°  | 68.1 | 73.0    | 79.6   | 86.9    | 94.6 | 104.8   | 133.7  | 214.3   | 337.0 | 478.4   | 625.8  |
| -7.5°   | 67.7 | 71.8    | 78.4   | 85.4    | 93.0 | 102.1   | 125.4  | 191.9   | 302.2 | 438.2   | 583.3  |
| -8.75°  | 67.2 | 70.4    | 76.9   | 83.6    | 91.1 | 98.9    | 115.8  | 167.9   | 266.9 | 393.5   | 533.9  |
| -10°    | 66.6 | 68.9    | 75.3   | 81.7    | 89.0 | 96.4    | 107.3  | 140.6   | 226.6 | 344.3   | 477.9  |
| -11.25° | 66.0 | 68.3    | 73.4   | 79.7    | 86.6 | 93.9    | 103.0  | 126.2   | 189.2 | 291.7   | 415.9  |
| -12.5°  | 65.4 | 67.6    | 71.3   | 77.5    | 83.9 | 91.1    | 98.3   | 112.1   | 154.0 | 240.0   | 352.9  |
| -13.75° | 64.6 | 66.8    | 69.0   | 75.2    | 81.2 | 88.1    | 95.1   | 104.4   | 128.7 | 190.8   | 287.6  |
| -15°    | 64.0 | 66.0    | 68.1   | 72.6    | 78.6 | 84.8    | 91.7   | 98.6    | 111.4 | 148.0   | 224.9  |
| -16.25° | 63.6 | 65.1    | 67.2   | 69.9    | 75.7 | 81.5    | 88.1   | 94.7    | 103.1 | 123.0   | 172.5  |
| -17.5°  | 63.1 | 64.2    | 66.2   | 68.3    | 72.7 | 78.4    | 84.2   | 90.7    | 97.1  | 106.6   | 131.5  |
| -18.75° | 62.6 | 63.7    | 65.2   | 67.2    | 69.5 | 75.0    | 80.5   | 86.5    | 92.7  | 99.1    | 109.4  |
| -20°    | 62.1 | 63.1    | 64.1   | 66.0    | 68.0 | 71.6    | 76.9   | 82.2    | 88.1  | 94.1    | 100.8  |
| -21.25° | 61.6 | 62.6    | 63.5   | 64.8    | 66.7 | 68.6    | 73.1   | 78.2    | 83.4  | 89.1    | 94.7   |





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**CANDELA DISTRIBUTION (continued):**

|         | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -22.5°  | 61.0 | 62.0    | 62.9   | 63.9    | 65.4 | 67.3    | 69.2   | 74.2    | 79.0 | 84.0    | 89.5   |
| -23.75° | 60.5 | 61.4    | 62.3   | 63.2    | 64.1 | 65.9    | 67.6   | 70.0    | 74.7 | 79.3    | 84.0   |
| -25°    | 59.9 | 60.8    | 61.7   | 62.6    | 63.4 | 64.4    | 66.1   | 67.8    | 70.2 | 74.7    | 79.0   |
| -26.25° | 59.3 | 60.2    | 61.0   | 61.9    | 62.7 | 63.6    | 64.6   | 66.2    | 67.8 | 70.0    | 74.2   |
| -27.5°  | 58.6 | 59.5    | 60.4   | 61.2    | 62.0 | 62.8    | 63.6   | 64.6    | 66.1 | 67.6    | 69.2   |
| -28.75° | 58.0 | 58.8    | 59.7   | 60.5    | 61.2 | 62.0    | 62.8   | 63.6    | 64.4 | 65.9    | 67.3   |
| -30°    | 57.3 | 58.1    | 58.9   | 59.7    | 60.5 | 61.2    | 62.0   | 62.7    | 63.4 | 64.1    | 65.4   |
| -31.25° | 56.6 | 57.4    | 58.2   | 59.0    | 59.7 | 60.5    | 61.2   | 61.9    | 62.6 | 63.2    | 63.9   |
| -32.5°  | 55.9 | 56.6    | 57.4   | 58.2    | 58.9 | 59.7    | 60.4   | 61.0    | 61.7 | 62.3    | 62.9   |
| -33.75° | 55.1 | 55.9    | 56.6   | 57.4    | 58.1 | 58.8    | 59.5   | 60.2    | 60.8 | 61.4    | 62.0   |
| -35°    | 54.5 | 55.1    | 55.9   | 56.6    | 57.3 | 58.0    | 58.6   | 59.3    | 59.9 | 60.5    | 61.0   |
| -36.25° | 54.0 | 54.4    | 55.0   | 55.7    | 56.4 | 57.1    | 57.7   | 58.4    | 59.0 | 59.6    | 60.1   |
| -37.5°  | 53.4 | 53.9    | 54.4   | 54.9    | 55.6 | 56.2    | 56.8   | 57.4    | 58.0 | 58.6    | 59.1   |
| -38.75° | 53.1 | 53.4    | 53.8   | 54.3    | 54.7 | 55.3    | 55.9   | 56.5    | 57.1 | 57.6    | 58.2   |
| -40°    | 53.1 | 53.1    | 53.3   | 53.7    | 54.1 | 54.5    | 55.0   | 55.6    | 56.1 | 56.6    | 57.1   |
| -41.25° | 53.1 | 53.1    | 53.1   | 53.1    | 53.5 | 53.9    | 54.3   | 54.6    | 55.1 | 55.6    | 56.1   |
| -42.5°  | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 53.6   | 54.0    | 54.3 | 54.7    | 55.1   |
| -43.75° | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.3    | 53.7 | 54.0    | 54.3   |
| -45°    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.3    | 53.6   |
| -46.25° | 52.8 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| -47.5°  | 52.2 | 52.6    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| -48.75° | 51.6 | 52.0    | 52.3   | 52.7    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   |
| -50°    | 50.1 | 51.1    | 51.7   | 52.0    | 52.3 | 52.7    | 52.9   | 53.1    | 53.1 | 53.1    | 53.1   |
| -51.25° | 48.4 | 49.4    | 50.3   | 51.2    | 51.7 | 52.0    | 52.3   | 52.6    | 52.8 | 53.1    | 53.1   |
| -52.5°  | 46.7 | 47.6    | 48.5   | 49.4    | 50.2 | 51.0    | 51.6   | 51.9    | 52.1 | 52.4    | 52.6   |
| -53.75° | 45.2 | 45.9    | 46.7   | 47.5    | 48.3 | 49.1    | 49.9   | 50.6    | 51.3 | 51.7    | 51.9   |
| -55°    | 43.6 | 44.4    | 45.1   | 45.8    | 46.5 | 47.2    | 47.9   | 48.6    | 49.3 | 49.9    | 50.6   |
| -56.25° | 41.7 | 42.8    | 43.5   | 44.2    | 44.8 | 45.4    | 46.0   | 46.6    | 47.2 | 47.9    | 48.5   |
| -57.5°  | 39.3 | 40.4    | 41.4   | 42.4    | 43.2 | 43.8    | 44.3   | 44.9    | 45.4 | 45.9    | 46.4   |
| -58.75° | 36.9 | 37.9    | 38.9   | 39.8    | 40.8 | 41.7    | 42.5   | 43.2    | 43.7 | 44.2    | 44.6   |
| -60°    | 34.4 | 35.4    | 36.4   | 37.3    | 38.2 | 39.0    | 39.8   | 40.6    | 41.4 | 42.1    | 42.8   |
| -61.25° | 31.9 | 32.8    | 33.8   | 34.7    | 35.5 | 36.4    | 37.1   | 37.9    | 38.6 | 39.3    | 40.0   |
| -62.5°  | 29.5 | 30.3    | 31.2   | 32.0    | 32.8 | 33.6    | 34.4   | 35.1    | 35.8 | 36.5    | 37.1   |
| -63.75° | 27.3 | 28.1    | 28.8   | 29.5    | 30.2 | 30.9    | 31.6   | 32.3    | 33.0 | 33.6    | 34.2   |
| -65°    | 25.2 | 25.9    | 26.5   | 27.2    | 27.8 | 28.4    | 29.0   | 29.6    | 30.2 | 30.8    | 31.3   |
| -66.25° | 23.2 | 23.8    | 24.3   | 24.9    | 25.5 | 26.1    | 26.6   | 27.2    | 27.7 | 28.2    | 28.7   |
| -67.5°  | 21.3 | 21.8    | 22.4   | 22.9    | 23.4 | 23.8    | 24.3   | 24.8    | 25.2 | 25.7    | 26.2   |
| -68.75° | 19.5 | 19.9    | 20.4   | 20.9    | 21.3 | 21.8    | 22.2   | 22.6    | 23.0 | 23.4    | 23.8   |
| -70°    | 18.3 | 18.6    | 18.9   | 19.2    | 19.5 | 19.7    | 20.1   | 20.5    | 20.9 | 21.2    | 21.6   |
| -71.25° | 17.0 | 17.3    | 17.6   | 17.9    | 18.1 | 18.4    | 18.6   | 18.9    | 19.1 | 19.3    | 19.5   |
| -72.5°  | 16.2 | 16.4    | 16.5   | 16.6    | 16.8 | 17.1    | 17.3   | 17.5    | 17.7 | 17.9    | 18.1   |
| -73.75° | 15.6 | 15.7    | 15.8   | 16.0    | 16.1 | 16.2    | 16.3   | 16.4    | 16.5 | 16.6    | 16.7   |
| -75°    | 14.9 | 15.0    | 15.2   | 15.3    | 15.4 | 15.5    | 15.6   | 15.7    | 15.8 | 15.9    | 16.0   |
| -76.25° | 13.9 | 14.0    | 14.2   | 14.4    | 14.5 | 14.6    | 14.8   | 14.9    | 15.0 | 15.1    | 15.2   |
| -77.5°  | 12.9 | 13.1    | 13.2   | 13.3    | 13.5 | 13.6    | 13.7   | 13.8    | 14.0 | 14.1    | 14.2   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|         | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -78.75° | 11.7 | 11.8    | 12.0   | 12.2    | 12.4 | 12.5    | 12.7   | 12.8    | 12.9 | 13.0    | 13.1   |
| -80°    | 10.4 | 10.5    | 10.7   | 10.8    | 11.0 | 11.1    | 11.2   | 11.4    | 11.5 | 11.6    | 11.7   |
| -81.25° | 9.1  | 9.2     | 9.3    | 9.5     | 9.6  | 9.7     | 9.8    | 9.9     | 10.0 | 10.1    | 10.2   |
| -82.5°  | 7.8  | 7.9     | 8.0    | 8.1     | 8.2  | 8.3     | 8.4    | 8.5     | 8.6  | 8.7     | 8.8    |
| -83.75° | 6.4  | 6.5     | 6.6    | 6.7     | 6.8  | 6.9     | 7.0    | 7.1     | 7.1  | 7.2     | 7.3    |
| -85°    | 4.9  | 5.0     | 5.1    | 5.2     | 5.3  | 5.3     | 5.4    | 5.5     | 5.6  | 5.6     | 5.7    |
| -86.25° | 3.3  | 3.4     | 3.4    | 3.5     | 3.6  | 3.6     | 3.7    | 3.7     | 3.8  | 3.9     | 3.9    |
| -87.5°  | 2.0  | 2.0     | 2.0    | 2.1     | 2.1  | 2.1     | 2.1    | 2.2     | 2.2  | 2.2     | 2.2    |
| -88.75° | 1.0  | 1.0     | 1.0    | 1.0     | 1.0  | 1.1     | 1.1    | 1.1     | 1.1  | 1.1     | 1.1    |
| -90°    | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| 90°    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0    |
| 88.75° | 1.1     | 1.1  | 1.1     | 1.1    | 1.2     | 1.2  | 1.2     | 1.2    | 1.2     | 1.2  | 1.2    |
| 87.5°  | 2.2     | 2.3  | 2.3     | 2.3    | 2.3     | 2.3  | 2.3     | 2.3    | 2.4     | 2.4  | 2.4    |
| 86.25° | 4.0     | 4.0  | 4.0     | 4.1    | 4.1     | 4.2  | 4.2     | 4.2    | 4.2     | 4.3  | 4.3    |
| 85°    | 5.8     | 5.8  | 5.9     | 5.9    | 6.0     | 6.0  | 6.1     | 6.1    | 6.1     | 6.2  | 6.2    |
| 83.75° | 7.4     | 7.4  | 7.5     | 7.5    | 7.6     | 7.6  | 7.7     | 7.7    | 7.7     | 7.8  | 7.8    |
| 82.5°  | 8.8     | 8.9  | 9.0     | 9.1    | 9.1     | 9.2  | 9.2     | 9.3    | 9.3     | 9.4  | 9.4    |
| 81.25° | 10.3    | 10.4 | 10.5    | 10.6   | 10.6    | 10.7 | 10.8    | 10.8   | 10.9    | 10.9 | 11.0   |
| 80°    | 11.8    | 11.9 | 12.0    | 12.1   | 12.2    | 12.3 | 12.3    | 12.4   | 12.5    | 12.5 | 12.5   |
| 78.75° | 13.2    | 13.2 | 13.3    | 13.4   | 13.5    | 13.5 | 13.6    | 13.6   | 13.7    | 13.7 | 13.8   |
| 77.5°  | 14.3    | 14.4 | 14.5    | 14.5   | 14.6    | 14.7 | 14.8    | 14.8   | 14.9    | 14.9 | 15.0   |
| 76.25° | 15.3    | 15.4 | 15.4    | 15.5   | 15.5    | 15.6 | 15.6    | 15.7   | 15.7    | 15.8 | 15.8   |
| 75°    | 16.0    | 16.1 | 16.2    | 16.2   | 16.3    | 16.4 | 16.4    | 16.5   | 16.5    | 16.6 | 16.6   |
| 73.75° | 16.8    | 17.0 | 17.2    | 17.3   | 17.4    | 17.5 | 17.7    | 17.8   | 17.9    | 17.9 | 18.0   |
| 72.5°  | 18.3    | 18.5 | 18.6    | 18.8   | 18.9    | 19.0 | 19.2    | 19.3   | 19.4    | 19.5 | 19.5   |
| 71.25° | 19.7    | 20.0 | 20.2    | 20.5   | 20.7    | 20.9 | 21.1    | 21.3   | 21.5    | 21.6 | 21.8   |
| 70°    | 21.9    | 22.2 | 22.5    | 22.8   | 23.0    | 23.2 | 23.5    | 23.7   | 23.8    | 24.0 | 24.1   |
| 68.75° | 24.1    | 24.4 | 24.8    | 25.1   | 25.4    | 25.7 | 25.9    | 26.2   | 26.4    | 26.6 | 26.8   |
| 67.5°  | 26.6    | 27.0 | 27.3    | 27.7   | 28.0    | 28.3 | 28.6    | 28.9   | 29.1    | 29.3 | 29.5   |
| 66.25° | 29.1    | 29.5 | 29.9    | 30.3   | 30.7    | 31.1 | 31.5    | 31.8   | 32.1    | 32.3 | 32.5   |
| 65°    | 31.9    | 32.4 | 32.9    | 33.3   | 33.8    | 34.2 | 34.5    | 34.9   | 35.2    | 35.5 | 35.7   |
| 63.75° | 34.8    | 35.4 | 35.9    | 36.4   | 36.8    | 37.2 | 37.6    | 38.0   | 38.3    | 38.6 | 38.8   |
| 62.5°  | 37.7    | 38.3 | 38.8    | 39.3   | 39.8    | 40.3 | 40.7    | 41.0   | 41.4    | 41.7 | 41.9   |
| 61.25° | 40.6    | 41.2 | 41.8    | 42.3   | 42.8    | 43.1 | 43.4    | 43.6   | 43.8    | 44.0 | 44.2   |
| 60°    | 43.2    | 43.6 | 44.0    | 44.4   | 44.7    | 45.0 | 45.3    | 45.6   | 45.8    | 46.0 | 46.2   |
| 58.75° | 45.1    | 45.5 | 45.9    | 46.2   | 46.6    | 46.9 | 47.3    | 47.6   | 47.9    | 48.2 | 48.4   |
| 57.5°  | 46.9    | 47.4 | 47.9    | 48.4   | 48.8    | 49.2 | 49.5    | 49.9   | 50.2    | 50.5 | 50.7   |
| 56.25° | 49.0    | 49.6 | 50.1    | 50.6   | 51.0    | 51.4 | 51.6    | 51.7   | 51.8    | 51.9 | 52.0   |
| 55°    | 51.2    | 51.6 | 51.8    | 51.9   | 52.1    | 52.2 | 52.4    | 52.5   | 52.6    | 52.7 | 52.8   |
| 53.75° | 52.1    | 52.3 | 52.5    | 52.7   | 52.8    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1   |
| 52.5°  | 52.8    | 53.0 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1   |
| 51.25° | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1   |
| 50°    | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1   |
| 48.75° | 53.1    | 53.1 | 53.1    | 53.1   | 53.1    | 53.1 | 53.1    | 53.1   | 53.3    | 53.4 | 53.5   |
| 47.5°  | 53.1    | 53.1 | 53.1    | 53.2   | 53.4    | 53.6 | 53.7    | 53.9   | 54.1    | 54.2 | 54.3   |
| 46.25° | 53.2    | 53.4 | 53.7    | 53.9   | 54.1    | 54.3 | 54.5    | 54.7   | 54.9    | 55.1 | 55.3   |
| 45°    | 53.9    | 54.2 | 54.4    | 54.6   | 54.9    | 55.3 | 55.5    | 55.8   | 56.1    | 56.3 | 56.5   |
| 43.75° | 54.6    | 54.9 | 55.3    | 55.7   | 56.1    | 56.4 | 56.7    | 57.0   | 57.2    | 57.4 | 57.6   |
| 42.5°  | 55.6    | 56.0 | 56.4    | 56.8   | 57.2    | 57.5 | 57.8    | 58.1   | 58.4    | 58.6 | 58.8   |
| 41.25° | 56.6    | 57.1 | 57.5    | 57.9   | 58.3    | 58.6 | 58.9    | 59.2   | 59.5    | 59.7 | 60.0   |
| 40°    | 57.6    | 58.1 | 58.5    | 59.0   | 59.4    | 59.7 | 60.0    | 60.3   | 60.6    | 60.9 | 61.1   |
| 38.75° | 58.7    | 59.1 | 59.6    | 60.0   | 60.4    | 60.8 | 61.1    | 61.4   | 61.7    | 62.0 | 62.2   |
| 37.5°  | 59.7    | 60.1 | 60.6    | 61.0   | 61.4    | 61.8 | 62.2    | 62.5   | 62.8    | 63.1 | 63.4   |
| 36.25° | 60.6    | 61.1 | 61.6    | 62.1   | 62.5    | 62.9 | 63.3    | 63.7   | 64.0    | 64.4 | 64.9   |
| 35°    | 61.6    | 62.1 | 62.6    | 63.1   | 63.6    | 64.0 | 64.6    | 65.4   | 66.0    | 66.6 | 67.2   |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -21.25° | -20°  | -18.75° | -17.5° | -16.25° | -15°   | -13.75° | -12.5° | -11.25° | -10°   | -8.75° |
|---------|---------|-------|---------|--------|---------|--------|---------|--------|---------|--------|--------|
| 33.75°  | 62.6    | 63.1  | 63.7    | 64.2   | 65.1    | 66.0   | 66.8    | 67.6   | 68.3    | 68.9   | 70.4   |
| 32.5°   | 63.5    | 64.1  | 65.2    | 66.2   | 67.2    | 68.1   | 69.0    | 71.3   | 73.4    | 75.3   | 76.9   |
| 31.25°  | 64.8    | 66.0  | 67.2    | 68.3   | 69.9    | 72.6   | 75.2    | 77.5   | 79.7    | 81.7   | 83.6   |
| 30°     | 66.7    | 68.0  | 69.5    | 72.7   | 75.7    | 78.6   | 81.2    | 83.9   | 86.6    | 89.0   | 91.1   |
| 28.75°  | 68.6    | 71.6  | 75.0    | 78.4   | 81.5    | 84.8   | 88.1    | 91.1   | 93.9    | 96.4   | 98.9   |
| 27.5°   | 73.1    | 76.9  | 80.5    | 84.2   | 88.1    | 91.7   | 95.1    | 98.3   | 103.0   | 107.3  | 115.8  |
| 26.25°  | 78.2    | 82.2  | 86.5    | 90.7   | 94.7    | 98.6   | 104.4   | 112.1  | 126.2   | 140.6  | 167.9  |
| 25°     | 83.4    | 88.1  | 92.7    | 97.1   | 103.1   | 111.4  | 128.7   | 154.0  | 189.2   | 226.6  | 266.9  |
| 23.75°  | 89.1    | 94.1  | 99.1    | 106.6  | 123.0   | 148.0  | 190.8   | 240.0  | 291.7   | 344.3  | 393.5  |
| 22.5°   | 94.7    | 100.8 | 109.4   | 131.5  | 172.5   | 224.9  | 287.6   | 352.9  | 415.9   | 477.9  | 533.9  |
| 21.25°  | 101.4   | 112.7 | 136.6   | 189.0  | 254.5   | 327.0  | 403.2   | 479.1  | 550.7   | 616.2  | 675.3  |
| 20°     | 112.7   | 138.6 | 197.3   | 272.4  | 355.5   | 441.4  | 527.6   | 608.6  | 683.9   | 742.0  | 780.2  |
| 18.75°  | 136.6   | 197.3 | 278.4   | 369.8  | 465.4   | 560.5  | 650.8   | 731.5  | 780.0   | 824.6  | 865.1  |
| 17.5°   | 189.0   | 272.4 | 369.8   | 473.4  | 577.0   | 676.4  | 753.0   | 807.7  | 858.8   | 906.0  | 941.7  |
| 16.25°  | 254.5   | 355.5 | 465.4   | 577.0  | 685.0   | 763.9  | 824.5   | 882.0  | 931.2   | 971.5  | 1015.8 |
| 15°     | 327.0   | 441.4 | 560.5   | 676.4  | 763.9   | 830.2  | 893.7   | 946.0  | 996.0   | 1048.0 | 1102.6 |
| 13.75°  | 403.2   | 527.6 | 650.8   | 753.0  | 824.5   | 893.7  | 950.9   | 1008.5 | 1070.5  | 1135.3 | 1213.3 |
| 12.5°   | 479.1   | 608.6 | 731.5   | 807.7  | 882.0   | 946.0  | 1008.5  | 1078.1 | 1156.5  | 1248.7 | 1372.5 |
| 11.25°  | 550.7   | 683.9 | 780.0   | 858.8  | 931.2   | 996.0  | 1070.5  | 1156.5 | 1265.4  | 1407.5 | 1571.5 |
| 10°     | 616.2   | 742.0 | 824.6   | 906.0  | 971.5   | 1048.0 | 1135.3  | 1248.7 | 1407.5  | 1594.7 | 1817.3 |
| 8.75°   | 675.3   | 780.2 | 865.1   | 941.7  | 1015.8  | 1102.6 | 1213.3  | 1372.5 | 1571.5  | 1817.3 | 2111.7 |
| 7.5°    | 726.4   | 814.1 | 901.0   | 972.6  | 1057.2  | 1159.3 | 1304.0  | 1503.2 | 1753.5  | 2067.9 | 2465.8 |
| 6.25°   | 753.9   | 843.3 | 928.2   | 1004.9 | 1097.1  | 1216.7 | 1395.8  | 1629.4 | 1939.0  | 2338.5 | 2872.0 |
| 5°      | 776.8   | 867.6 | 949.1   | 1032.0 | 1131.1  | 1276.3 | 1489.1  | 1765.9 | 2129.8  | 2624.2 | 3303.7 |
| 3.75°   | 794.8   | 886.8 | 965.6   | 1054.7 | 1166.7  | 1333.5 | 1566.3  | 1875.8 | 2303.0  | 2914.1 | 3740.7 |
| 2.5°    | 807.8   | 900.6 | 978.7   | 1072.6 | 1192.6  | 1375.2 | 1624.5  | 1975.7 | 2458.4  | 3151.4 | 4077.6 |
| 1.25°   | 815.6   | 909.0 | 987.4   | 1083.4 | 1208.3  | 1400.5 | 1669.3  | 2038.7 | 2553.9  | 3298.0 | 4306.2 |
| 0°      | 818.3   | 911.8 | 990.3   | 1087.1 | 1213.6  | 1409.0 | 1684.3  | 2060.0 | 2586.1  | 3347.6 | 4387.7 |
| -1.25°  | 815.6   | 909.0 | 987.4   | 1083.4 | 1208.3  | 1400.5 | 1669.3  | 2038.7 | 2553.9  | 3298.0 | 4306.2 |
| -2.5°   | 807.8   | 900.6 | 978.7   | 1072.6 | 1192.6  | 1375.2 | 1624.5  | 1975.7 | 2458.4  | 3151.4 | 4077.6 |
| -3.75°  | 794.8   | 886.8 | 965.6   | 1054.7 | 1166.7  | 1333.5 | 1566.3  | 1875.8 | 2303.0  | 2914.1 | 3740.7 |
| -5°     | 776.8   | 867.6 | 949.1   | 1032.0 | 1131.1  | 1276.3 | 1489.1  | 1765.9 | 2129.8  | 2624.2 | 3303.7 |
| -6.25°  | 753.9   | 843.3 | 928.2   | 1004.9 | 1097.1  | 1216.7 | 1395.8  | 1629.4 | 1939.0  | 2338.5 | 2872.0 |
| -7.5°   | 726.4   | 814.1 | 901.0   | 972.6  | 1057.2  | 1159.3 | 1304.0  | 1503.2 | 1753.5  | 2067.9 | 2465.8 |
| -8.75°  | 675.3   | 780.2 | 865.1   | 941.7  | 1015.8  | 1102.6 | 1213.3  | 1372.5 | 1571.5  | 1817.3 | 2111.7 |
| -10°    | 616.2   | 742.0 | 824.6   | 906.0  | 971.5   | 1048.0 | 1135.3  | 1248.7 | 1407.5  | 1594.7 | 1817.3 |
| -11.25° | 550.7   | 683.9 | 780.0   | 858.8  | 931.2   | 996.0  | 1070.5  | 1156.5 | 1265.4  | 1407.5 | 1571.5 |
| -12.5°  | 479.1   | 608.6 | 731.5   | 807.7  | 882.0   | 946.0  | 1008.5  | 1078.1 | 1156.5  | 1248.7 | 1372.5 |
| -13.75° | 403.2   | 527.6 | 650.8   | 753.0  | 824.5   | 893.7  | 950.9   | 1008.5 | 1070.5  | 1135.3 | 1213.3 |
| -15°    | 327.0   | 441.4 | 560.5   | 676.4  | 763.9   | 830.2  | 893.7   | 946.0  | 996.0   | 1048.0 | 1102.6 |
| -16.25° | 254.5   | 355.5 | 465.4   | 577.0  | 685.0   | 763.9  | 824.5   | 882.0  | 931.2   | 971.5  | 1015.8 |
| -17.5°  | 189.0   | 272.4 | 369.8   | 473.4  | 577.0   | 676.4  | 753.0   | 807.7  | 858.8   | 906.0  | 941.7  |
| -18.75° | 136.6   | 197.3 | 278.4   | 369.8  | 465.4   | 560.5  | 650.8   | 731.5  | 780.0   | 824.6  | 865.1  |
| -20°    | 112.7   | 138.6 | 197.3   | 272.4  | 355.5   | 441.4  | 527.6   | 608.6  | 683.9   | 742.0  | 780.2  |
| -21.25° | 101.4   | 112.7 | 136.6   | 189.0  | 254.5   | 327.0  | 403.2   | 479.1  | 550.7   | 616.2  | 675.3  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -21.25° | -20°  | -18.75° | -17.5° | -16.25° | -15°  | -13.75° | -12.5° | -11.25° | -10°  | -8.75° |
|---------|---------|-------|---------|--------|---------|-------|---------|--------|---------|-------|--------|
| -22.5°  | 94.7    | 100.8 | 109.4   | 131.5  | 172.5   | 224.9 | 287.6   | 352.9  | 415.9   | 477.9 | 533.9  |
| -23.75° | 89.1    | 94.1  | 99.1    | 106.6  | 123.0   | 148.0 | 190.8   | 240.0  | 291.7   | 344.3 | 393.5  |
| -25°    | 83.4    | 88.1  | 92.7    | 97.1   | 103.1   | 111.4 | 128.7   | 154.0  | 189.2   | 226.6 | 266.9  |
| -26.25° | 78.2    | 82.2  | 86.5    | 90.7   | 94.7    | 98.6  | 104.4   | 112.1  | 126.2   | 140.6 | 167.9  |
| -27.5°  | 73.1    | 76.9  | 80.5    | 84.2   | 88.1    | 91.7  | 95.1    | 98.3   | 103.0   | 107.3 | 115.8  |
| -28.75° | 68.6    | 71.6  | 75.0    | 78.4   | 81.5    | 84.8  | 88.1    | 91.1   | 93.9    | 96.4  | 98.9   |
| -30°    | 66.7    | 68.0  | 69.5    | 72.7   | 75.7    | 78.6  | 81.2    | 83.9   | 86.6    | 89.0  | 91.1   |
| -31.25° | 64.8    | 66.0  | 67.2    | 68.3   | 69.9    | 72.6  | 75.2    | 77.5   | 79.7    | 81.7  | 83.6   |
| -32.5°  | 63.5    | 64.1  | 65.2    | 66.2   | 67.2    | 68.1  | 69.0    | 71.3   | 73.4    | 75.3  | 76.9   |
| -33.75° | 62.6    | 63.1  | 63.7    | 64.2   | 65.1    | 66.0  | 66.8    | 67.6   | 68.3    | 68.9  | 70.4   |
| -35°    | 61.6    | 62.1  | 62.6    | 63.1   | 63.6    | 64.0  | 64.6    | 65.4   | 66.0    | 66.6  | 67.2   |
| -36.25° | 60.6    | 61.1  | 61.6    | 62.1   | 62.5    | 62.9  | 63.3    | 63.7   | 64.0    | 64.4  | 64.9   |
| -37.5°  | 59.7    | 60.1  | 60.6    | 61.0   | 61.4    | 61.8  | 62.2    | 62.5   | 62.8    | 63.1  | 63.4   |
| -38.75° | 58.7    | 59.1  | 59.6    | 60.0   | 60.4    | 60.8  | 61.1    | 61.4   | 61.7    | 62.0  | 62.2   |
| -40°    | 57.6    | 58.1  | 58.5    | 59.0   | 59.4    | 59.7  | 60.0    | 60.3   | 60.6    | 60.9  | 61.1   |
| -41.25° | 56.6    | 57.1  | 57.5    | 57.9   | 58.3    | 58.6  | 58.9    | 59.2   | 59.5    | 59.7  | 60.0   |
| -42.5°  | 55.6    | 56.0  | 56.4    | 56.8   | 57.2    | 57.5  | 57.8    | 58.1   | 58.4    | 58.6  | 58.8   |
| -43.75° | 54.6    | 54.9  | 55.3    | 55.7   | 56.1    | 56.4  | 56.7    | 57.0   | 57.2    | 57.4  | 57.6   |
| -45°    | 53.9    | 54.2  | 54.4    | 54.6   | 54.9    | 55.3  | 55.5    | 55.8   | 56.1    | 56.3  | 56.5   |
| -46.25° | 53.2    | 53.4  | 53.7    | 53.9   | 54.1    | 54.3  | 54.5    | 54.7   | 54.9    | 55.1  | 55.3   |
| -47.5°  | 53.1    | 53.1  | 53.1    | 53.2   | 53.4    | 53.6  | 53.7    | 53.9   | 54.1    | 54.2  | 54.3   |
| -48.75° | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1    | 53.1   | 53.3    | 53.4  | 53.5   |
| -50°    | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1   |
| -51.25° | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1   |
| -52.5°  | 52.8    | 53.0  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1   |
| -53.75° | 52.1    | 52.3  | 52.5    | 52.7   | 52.8    | 53.0  | 53.1    | 53.1   | 53.1    | 53.1  | 53.1   |
| -55°    | 51.2    | 51.6  | 51.8    | 51.9   | 52.1    | 52.2  | 52.4    | 52.5   | 52.6    | 52.7  | 52.8   |
| -56.25° | 49.0    | 49.6  | 50.1    | 50.6   | 51.0    | 51.4  | 51.6    | 51.7   | 51.8    | 51.9  | 52.0   |
| -57.5°  | 46.9    | 47.4  | 47.9    | 48.4   | 48.8    | 49.2  | 49.5    | 49.9   | 50.2    | 50.5  | 50.7   |
| -58.75° | 45.1    | 45.5  | 45.9    | 46.2   | 46.6    | 46.9  | 47.3    | 47.6   | 47.9    | 48.2  | 48.4   |
| -60°    | 43.2    | 43.6  | 44.0    | 44.4   | 44.7    | 45.0  | 45.3    | 45.6   | 45.8    | 46.0  | 46.2   |
| -61.25° | 40.6    | 41.2  | 41.8    | 42.3   | 42.8    | 43.1  | 43.4    | 43.6   | 43.8    | 44.0  | 44.2   |
| -62.5°  | 37.7    | 38.3  | 38.8    | 39.3   | 39.8    | 40.3  | 40.7    | 41.0   | 41.4    | 41.7  | 41.9   |
| -63.75° | 34.8    | 35.4  | 35.9    | 36.4   | 36.8    | 37.2  | 37.6    | 38.0   | 38.3    | 38.6  | 38.8   |
| -65°    | 31.9    | 32.4  | 32.9    | 33.3   | 33.8    | 34.2  | 34.5    | 34.9   | 35.2    | 35.5  | 35.7   |
| -66.25° | 29.1    | 29.5  | 29.9    | 30.3   | 30.7    | 31.1  | 31.5    | 31.8   | 32.1    | 32.3  | 32.5   |
| -67.5°  | 26.6    | 27.0  | 27.3    | 27.7   | 28.0    | 28.3  | 28.6    | 28.9   | 29.1    | 29.3  | 29.5   |
| -68.75° | 24.1    | 24.4  | 24.8    | 25.1   | 25.4    | 25.7  | 25.9    | 26.2   | 26.4    | 26.6  | 26.8   |
| -70°    | 21.9    | 22.2  | 22.5    | 22.8   | 23.0    | 23.2  | 23.5    | 23.7   | 23.8    | 24.0  | 24.1   |
| -71.25° | 19.7    | 20.0  | 20.2    | 20.5   | 20.7    | 20.9  | 21.1    | 21.3   | 21.5    | 21.6  | 21.8   |
| -72.5°  | 18.3    | 18.5  | 18.6    | 18.8   | 18.9    | 19.0  | 19.2    | 19.3   | 19.4    | 19.5  | 19.5   |
| -73.75° | 16.8    | 17.0  | 17.2    | 17.3   | 17.4    | 17.5  | 17.7    | 17.8   | 17.9    | 17.9  | 18.0   |
| -75°    | 16.0    | 16.1  | 16.2    | 16.2   | 16.3    | 16.4  | 16.4    | 16.5   | 16.5    | 16.6  | 16.6   |
| -76.25° | 15.3    | 15.4  | 15.4    | 15.5   | 15.5    | 15.6  | 15.6    | 15.7   | 15.7    | 15.8  | 15.8   |
| -77.5°  | 14.3    | 14.4  | 14.5    | 14.5   | 14.6    | 14.7  | 14.8    | 14.8   | 14.9    | 14.9  | 15.0   |



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**CANDELA DISTRIBUTION (continued):**

|         | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| -78.75° | 13.2    | 13.2 | 13.3    | 13.4   | 13.5    | 13.5 | 13.6    | 13.6   | 13.7    | 13.7 | 13.8   |
| -80°    | 11.8    | 11.9 | 12.0    | 12.1   | 12.2    | 12.3 | 12.3    | 12.4   | 12.5    | 12.5 | 12.5   |
| -81.25° | 10.3    | 10.4 | 10.5    | 10.6   | 10.6    | 10.7 | 10.8    | 10.8   | 10.9    | 10.9 | 11.0   |
| -82.5°  | 8.8     | 8.9  | 9.0     | 9.1    | 9.1     | 9.2  | 9.2     | 9.3    | 9.3     | 9.4  | 9.4    |
| -83.75° | 7.4     | 7.4  | 7.5     | 7.5    | 7.6     | 7.6  | 7.7     | 7.7    | 7.7     | 7.8  | 7.8    |
| -85°    | 5.8     | 5.8  | 5.9     | 5.9    | 6.0     | 6.0  | 6.1     | 6.1    | 6.1     | 6.2  | 6.2    |
| -86.25° | 4.0     | 4.0  | 4.0     | 4.1    | 4.1     | 4.2  | 4.2     | 4.2    | 4.2     | 4.3  | 4.3    |
| -87.5°  | 2.2     | 2.3  | 2.3     | 2.3    | 2.3     | 2.3  | 2.3     | 2.3    | 2.4     | 2.4  | 2.4    |
| -88.75° | 1.1     | 1.1  | 1.1     | 1.1    | 1.2     | 1.2  | 1.2     | 1.2    | 1.2     | 1.2  | 1.2    |
| -90°    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0     | 0.0    | 0.0     | 0.0  | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|        | -7.5° | -6.25° | -5°  | -3.75° | -2.5° | -1.25° | 0°   | 1.25° | 2.5° | 3.75° | 5°   |
|--------|-------|--------|------|--------|-------|--------|------|-------|------|-------|------|
| 90°    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 88.75° | 1.2   | 1.2    | 1.2  | 1.2    | 1.2   | 1.2    | 1.2  | 1.2   | 1.2  | 1.2   | 1.2  |
| 87.5°  | 2.4   | 2.4    | 2.4  | 2.4    | 2.4   | 2.4    | 2.4  | 2.4   | 2.4  | 2.4   | 2.4  |
| 86.25° | 4.3   | 4.3    | 4.3  | 4.3    | 4.3   | 4.3    | 4.4  | 4.3   | 4.3  | 4.3   | 4.3  |
| 85°    | 6.2   | 6.3    | 6.3  | 6.3    | 6.3   | 6.3    | 6.3  | 6.3   | 6.3  | 6.3   | 6.3  |
| 83.75° | 7.8   | 7.9    | 7.9  | 7.9    | 7.9   | 7.9    | 7.9  | 7.9   | 7.9  | 7.9   | 7.9  |
| 82.5°  | 9.4   | 9.4    | 9.5  | 9.5    | 9.5   | 9.5    | 9.5  | 9.5   | 9.5  | 9.5   | 9.5  |
| 81.25° | 11.0  | 11.0   | 11.1 | 11.1   | 11.1  | 11.1   | 11.1 | 11.1  | 11.1 | 11.1  | 11.1 |
| 80°    | 12.6  | 12.6   | 12.7 | 12.7   | 12.7  | 12.7   | 12.7 | 12.7  | 12.7 | 12.7  | 12.7 |
| 78.75° | 13.8  | 13.8   | 13.9 | 13.9   | 13.9  | 13.9   | 13.9 | 13.9  | 13.9 | 13.9  | 13.9 |
| 77.5°  | 15.0  | 15.0   | 15.1 | 15.1   | 15.1  | 15.1   | 15.1 | 15.1  | 15.1 | 15.1  | 15.1 |
| 76.25° | 15.8  | 15.8   | 15.9 | 15.9   | 15.9  | 15.9   | 15.9 | 15.9  | 15.9 | 15.9  | 15.9 |
| 75°    | 16.6  | 16.6   | 16.7 | 16.7   | 16.7  | 16.7   | 16.7 | 16.7  | 16.7 | 16.7  | 16.7 |
| 73.75° | 18.1  | 18.1   | 18.2 | 18.2   | 18.2  | 18.2   | 18.3 | 18.2  | 18.2 | 18.2  | 18.2 |
| 72.5°  | 19.6  | 19.7   | 19.7 | 19.8   | 19.8  | 19.8   | 19.8 | 19.8  | 19.8 | 19.8  | 19.7 |
| 71.25° | 21.9  | 22.0   | 22.1 | 22.1   | 22.2  | 22.2   | 22.2 | 22.2  | 22.2 | 22.1  | 22.1 |
| 70°    | 24.3  | 24.4   | 24.4 | 24.5   | 24.6  | 24.6   | 24.6 | 24.6  | 24.6 | 24.5  | 24.4 |
| 68.75° | 26.9  | 27.1   | 27.2 | 27.2   | 27.3  | 27.3   | 27.4 | 27.3  | 27.3 | 27.2  | 27.2 |
| 67.5°  | 29.7  | 29.8   | 29.9 | 30.0   | 30.1  | 30.1   | 30.1 | 30.1  | 30.1 | 30.0  | 29.9 |
| 66.25° | 32.7  | 32.9   | 33.1 | 33.2   | 33.2  | 33.3   | 33.3 | 33.3  | 33.2 | 33.2  | 33.1 |
| 65°    | 35.9  | 36.1   | 36.2 | 36.4   | 36.4  | 36.5   | 36.5 | 36.5  | 36.4 | 36.4  | 36.2 |
| 63.75° | 39.0  | 39.2   | 39.4 | 39.5   | 39.6  | 39.6   | 39.7 | 39.6  | 39.6 | 39.5  | 39.4 |
| 62.5°  | 42.2  | 42.4   | 42.5 | 42.6   | 42.7  | 42.8   | 42.8 | 42.8  | 42.7 | 42.6  | 42.5 |
| 61.25° | 44.4  | 44.5   | 44.6 | 44.7   | 44.8  | 44.8   | 44.8 | 44.8  | 44.8 | 44.7  | 44.6 |
| 60°    | 46.3  | 46.5   | 46.6 | 46.7   | 46.7  | 46.8   | 46.8 | 46.8  | 46.7 | 46.7  | 46.6 |
| 58.75° | 48.6  | 48.8   | 48.9 | 49.0   | 49.1  | 49.1   | 49.2 | 49.1  | 49.1 | 49.0  | 48.9 |
| 57.5°  | 50.9  | 51.1   | 51.2 | 51.4   | 51.4  | 51.5   | 51.5 | 51.5  | 51.4 | 51.4  | 51.2 |
| 56.25° | 52.1  | 52.2   | 52.2 | 52.2   | 52.3  | 52.3   | 52.3 | 52.3  | 52.3 | 52.2  | 52.2 |
| 55°    | 52.9  | 52.9   | 53.0 | 53.0   | 53.1  | 53.1   | 53.1 | 53.1  | 53.1 | 53.0  | 53.0 |
| 53.75° | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1  | 53.1 | 53.1  | 53.1 |
| 52.5°  | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1  | 53.1 | 53.1  | 53.1 |
| 51.25° | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1  | 53.1 | 53.1  | 53.1 |
| 50°    | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1  | 53.1 | 53.1  | 53.1 |
| 48.75° | 53.6  | 53.7   | 53.8 | 53.8   | 53.9  | 53.9   | 53.9 | 53.9  | 53.9 | 53.8  | 53.8 |
| 47.5°  | 54.4  | 54.5   | 54.6 | 54.6   | 54.7  | 54.7   | 54.7 | 54.7  | 54.7 | 54.6  | 54.6 |
| 46.25° | 55.5  | 55.6   | 55.7 | 55.8   | 55.8  | 55.9   | 55.9 | 55.9  | 55.8 | 55.8  | 55.7 |
| 45°    | 56.6  | 56.8   | 56.9 | 57.0   | 57.0  | 57.1   | 57.1 | 57.1  | 57.0 | 57.0  | 56.9 |
| 43.75° | 57.8  | 58.0   | 58.1 | 58.2   | 58.2  | 58.3   | 58.3 | 58.3  | 58.2 | 58.2  | 58.1 |
| 42.5°  | 59.0  | 59.1   | 59.3 | 59.4   | 59.4  | 59.5   | 59.5 | 59.5  | 59.4 | 59.4  | 59.3 |
| 41.25° | 60.1  | 60.3   | 60.4 | 60.5   | 60.6  | 60.6   | 60.7 | 60.6  | 60.6 | 60.5  | 60.4 |
| 40°    | 61.3  | 61.4   | 61.6 | 61.7   | 61.7  | 61.8   | 61.8 | 61.8  | 61.7 | 61.7  | 61.6 |
| 38.75° | 62.4  | 62.6   | 62.7 | 62.9   | 62.9  | 63.0   | 63.0 | 63.0  | 62.9 | 62.9  | 62.7 |
| 37.5°  | 63.6  | 63.8   | 63.9 | 64.0   | 64.1  | 64.2   | 64.2 | 64.2  | 64.1 | 64.0  | 63.9 |
| 36.25° | 65.3  | 65.7   | 66.0 | 66.3   | 66.5  | 66.6   | 66.6 | 66.6  | 66.5 | 66.3  | 66.0 |
| 35°    | 67.7  | 68.1   | 68.4 | 68.7   | 68.9  | 69.0   | 69.0 | 69.0  | 68.9 | 68.7  | 68.4 |



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**CANDELA DISTRIBUTION (continued):**

|         | -7.5°  | -6.25° | -5°    | -3.75° | -2.5°  | -1.25°  | 0°      | 1.25°   | 2.5°   | 3.75°  | 5°     |
|---------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| 33.75°  | 71.8   | 73.0   | 74.0   | 74.8   | 75.3   | 75.6    | 75.8    | 75.6    | 75.3   | 74.8   | 74.0   |
| 32.5°   | 78.4   | 79.6   | 80.7   | 81.5   | 82.0   | 82.4    | 82.5    | 82.4    | 82.0   | 81.5   | 80.7   |
| 31.25°  | 85.4   | 86.9   | 88.1   | 89.1   | 89.8   | 90.3    | 90.4    | 90.3    | 89.8   | 89.1   | 88.1   |
| 30°     | 93.0   | 94.6   | 95.9   | 97.0   | 97.7   | 98.2    | 98.3    | 98.2    | 97.7   | 97.0   | 95.9   |
| 28.75°  | 102.1  | 104.8  | 107.1  | 109.4  | 113.0  | 115.2   | 116.0   | 115.2   | 113.0  | 109.4  | 107.1  |
| 27.5°   | 125.4  | 133.7  | 143.9  | 156.5  | 165.6  | 171.0   | 172.9   | 171.0   | 165.6  | 156.5  | 143.9  |
| 26.25°  | 191.9  | 214.3  | 238.1  | 256.7  | 270.1  | 278.2   | 280.9   | 278.2   | 270.1  | 256.7  | 238.1  |
| 25°     | 302.2  | 337.0  | 366.1  | 389.0  | 405.5  | 415.4   | 418.7   | 415.4   | 405.5  | 389.0  | 366.1  |
| 23.75°  | 438.2  | 478.4  | 511.6  | 537.8  | 556.6  | 567.9   | 571.7   | 567.9   | 556.6  | 537.8  | 511.6  |
| 22.5°   | 583.3  | 625.8  | 661.0  | 688.7  | 708.6  | 720.7   | 724.7   | 720.7   | 708.6  | 688.7  | 661.0  |
| 21.25°  | 726.4  | 753.9  | 776.8  | 794.8  | 807.8  | 815.6   | 818.3   | 815.6   | 807.8  | 794.8  | 776.8  |
| 20°     | 814.1  | 843.3  | 867.6  | 886.8  | 900.6  | 909.0   | 911.8   | 909.0   | 900.6  | 886.8  | 867.6  |
| 18.75°  | 901.0  | 928.2  | 949.1  | 965.6  | 978.7  | 987.4   | 990.3   | 987.4   | 978.7  | 965.6  | 949.1  |
| 17.5°   | 972.6  | 1004.9 | 1032.0 | 1054.7 | 1072.6 | 1083.4  | 1087.1  | 1083.4  | 1072.6 | 1054.7 | 1032.0 |
| 16.25°  | 1057.2 | 1097.1 | 1131.1 | 1166.7 | 1192.6 | 1208.3  | 1213.6  | 1208.3  | 1192.6 | 1166.7 | 1131.1 |
| 15°     | 1159.3 | 1216.7 | 1276.3 | 1333.5 | 1375.2 | 1400.5  | 1409.0  | 1400.5  | 1375.2 | 1333.5 | 1276.3 |
| 13.75°  | 1304.0 | 1395.8 | 1489.1 | 1566.3 | 1624.5 | 1669.3  | 1684.3  | 1669.3  | 1624.5 | 1566.3 | 1489.1 |
| 12.5°   | 1503.2 | 1629.4 | 1765.9 | 1875.8 | 1975.7 | 2038.7  | 2060.0  | 2038.7  | 1975.7 | 1875.8 | 1765.9 |
| 11.25°  | 1753.5 | 1939.0 | 2129.8 | 2303.0 | 2458.4 | 2553.9  | 2586.1  | 2553.9  | 2458.4 | 2303.0 | 2129.8 |
| 10°     | 2067.9 | 2338.5 | 2624.2 | 2914.1 | 3151.4 | 3298.0  | 3347.6  | 3298.0  | 3151.4 | 2914.1 | 2624.2 |
| 8.75°   | 2465.8 | 2872.0 | 3303.7 | 3740.7 | 4077.6 | 4306.2  | 4387.7  | 4306.2  | 4077.6 | 3740.7 | 3303.7 |
| 7.5°    | 2966.8 | 3548.7 | 4151.6 | 4729.7 | 5177.3 | 5475.0  | 5576.9  | 5475.0  | 5177.3 | 4729.7 | 4151.6 |
| 6.25°   | 3548.7 | 4313.7 | 5084.0 | 5790.0 | 6337.1 | 6686.3  | 6807.1  | 6686.3  | 6337.1 | 5790.0 | 5084.0 |
| 5°      | 4151.6 | 5084.0 | 6006.2 | 6809.9 | 7436.9 | 7844.1  | 7987.7  | 7844.1  | 7436.9 | 6809.9 | 6006.2 |
| 3.75°   | 4729.7 | 5790.0 | 6809.9 | 7705.7 | 8391.2 | 8836.5  | 8973.5  | 8836.5  | 8391.2 | 7705.7 | 6809.9 |
| 2.5°    | 5177.3 | 6337.1 | 7436.9 | 8391.2 | 9118.9 | 9583.9  | 9732.2  | 9583.9  | 9118.9 | 8391.2 | 7436.9 |
| 1.25°   | 5475.0 | 6686.3 | 7844.1 | 8836.5 | 9583.9 | 10057.2 | 10221.3 | 10057.2 | 9583.9 | 8836.5 | 7844.1 |
| 0°      | 5576.9 | 6807.1 | 7987.7 | 8973.5 | 9732.2 | 10221.3 | 10437.0 | 10221.3 | 9732.2 | 8973.5 | 7987.7 |
| -1.25°  | 5475.0 | 6686.3 | 7844.1 | 8836.5 | 9583.9 | 10057.2 | 10221.3 | 10057.2 | 9583.9 | 8836.5 | 7844.1 |
| -2.5°   | 5177.3 | 6337.1 | 7436.9 | 8391.2 | 9118.9 | 9583.9  | 9732.2  | 9583.9  | 9118.9 | 8391.2 | 7436.9 |
| -3.75°  | 4729.7 | 5790.0 | 6809.9 | 7705.7 | 8391.2 | 8836.5  | 8973.5  | 8836.5  | 8391.2 | 7705.7 | 6809.9 |
| -5°     | 4151.6 | 5084.0 | 6006.2 | 6809.9 | 7436.9 | 7844.1  | 7987.7  | 7844.1  | 7436.9 | 6809.9 | 6006.2 |
| -6.25°  | 3548.7 | 4313.7 | 5084.0 | 5790.0 | 6337.1 | 6686.3  | 6807.1  | 6686.3  | 6337.1 | 5790.0 | 5084.0 |
| -7.5°   | 2966.8 | 3548.7 | 4151.6 | 4729.7 | 5177.3 | 5475.0  | 5576.9  | 5475.0  | 5177.3 | 4729.7 | 4151.6 |
| -8.75°  | 2465.8 | 2872.0 | 3303.7 | 3740.7 | 4077.6 | 4306.2  | 4387.7  | 4306.2  | 4077.6 | 3740.7 | 3303.7 |
| -10°    | 2067.9 | 2338.5 | 2624.2 | 2914.1 | 3151.4 | 3298.0  | 3347.6  | 3298.0  | 3151.4 | 2914.1 | 2624.2 |
| -11.25° | 1753.5 | 1939.0 | 2129.8 | 2303.0 | 2458.4 | 2553.9  | 2586.1  | 2553.9  | 2458.4 | 2303.0 | 2129.8 |
| -12.5°  | 1503.2 | 1629.4 | 1765.9 | 1875.8 | 1975.7 | 2038.7  | 2060.0  | 2038.7  | 1975.7 | 1875.8 | 1765.9 |
| -13.75° | 1304.0 | 1395.8 | 1489.1 | 1566.3 | 1624.5 | 1669.3  | 1684.3  | 1669.3  | 1624.5 | 1566.3 | 1489.1 |
| -15°    | 1159.3 | 1216.7 | 1276.3 | 1333.5 | 1375.2 | 1400.5  | 1409.0  | 1400.5  | 1375.2 | 1333.5 | 1276.3 |
| -16.25° | 1057.2 | 1097.1 | 1131.1 | 1166.7 | 1192.6 | 1208.3  | 1213.6  | 1208.3  | 1192.6 | 1166.7 | 1131.1 |
| -17.5°  | 972.6  | 1004.9 | 1032.0 | 1054.7 | 1072.6 | 1083.4  | 1087.1  | 1083.4  | 1072.6 | 1054.7 | 1032.0 |
| -18.75° | 901.0  | 928.2  | 949.1  | 965.6  | 978.7  | 987.4   | 990.3   | 987.4   | 978.7  | 965.6  | 949.1  |
| -20°    | 814.1  | 843.3  | 867.6  | 886.8  | 900.6  | 909.0   | 911.8   | 909.0   | 900.6  | 886.8  | 867.6  |
| -21.25° | 726.4  | 753.9  | 776.8  | 794.8  | 807.8  | 815.6   | 818.3   | 815.6   | 807.8  | 794.8  | 776.8  |





REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -7.5° | -6.25° | -5°   | -3.75° | -2.5° | -1.25° | 0°    | 1.25° | 2.5°  | 3.75° | 5°    |
|---------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| -22.5°  | 583.3 | 625.8  | 661.0 | 688.7  | 708.6 | 720.7  | 724.7 | 720.7 | 708.6 | 688.7 | 661.0 |
| -23.75° | 438.2 | 478.4  | 511.6 | 537.8  | 556.6 | 567.9  | 571.7 | 567.9 | 556.6 | 537.8 | 511.6 |
| -25°    | 302.2 | 337.0  | 366.1 | 389.0  | 405.5 | 415.4  | 418.7 | 415.4 | 405.5 | 389.0 | 366.1 |
| -26.25° | 191.9 | 214.3  | 238.1 | 256.7  | 270.1 | 278.2  | 280.9 | 278.2 | 270.1 | 256.7 | 238.1 |
| -27.5°  | 125.4 | 133.7  | 143.9 | 156.5  | 165.6 | 171.0  | 172.9 | 171.0 | 165.6 | 156.5 | 143.9 |
| -28.75° | 102.1 | 104.8  | 107.1 | 109.4  | 113.0 | 115.2  | 116.0 | 115.2 | 113.0 | 109.4 | 107.1 |
| -30°    | 93.0  | 94.6   | 95.9  | 97.0   | 97.7  | 98.2   | 98.3  | 98.2  | 97.7  | 97.0  | 95.9  |
| -31.25° | 85.4  | 86.9   | 88.1  | 89.1   | 89.8  | 90.3   | 90.4  | 90.3  | 89.8  | 89.1  | 88.1  |
| -32.5°  | 78.4  | 79.6   | 80.7  | 81.5   | 82.0  | 82.4   | 82.5  | 82.4  | 82.0  | 81.5  | 80.7  |
| -33.75° | 71.8  | 73.0   | 74.0  | 74.8   | 75.3  | 75.6   | 75.8  | 75.6  | 75.3  | 74.8  | 74.0  |
| -35°    | 67.7  | 68.1   | 68.4  | 68.7   | 68.9  | 69.0   | 69.0  | 69.0  | 68.9  | 68.7  | 68.4  |
| -36.25° | 65.3  | 65.7   | 66.0  | 66.3   | 66.5  | 66.6   | 66.6  | 66.6  | 66.5  | 66.3  | 66.0  |
| -37.5°  | 63.6  | 63.8   | 63.9  | 64.0   | 64.1  | 64.2   | 64.2  | 64.2  | 64.1  | 64.0  | 63.9  |
| -38.75° | 62.4  | 62.6   | 62.7  | 62.9   | 62.9  | 63.0   | 63.0  | 63.0  | 62.9  | 62.9  | 62.7  |
| -40°    | 61.3  | 61.4   | 61.6  | 61.7   | 61.7  | 61.8   | 61.8  | 61.8  | 61.7  | 61.7  | 61.6  |
| -41.25° | 60.1  | 60.3   | 60.4  | 60.5   | 60.6  | 60.6   | 60.7  | 60.6  | 60.6  | 60.5  | 60.4  |
| -42.5°  | 59.0  | 59.1   | 59.3  | 59.4   | 59.4  | 59.5   | 59.5  | 59.5  | 59.4  | 59.4  | 59.3  |
| -43.75° | 57.8  | 58.0   | 58.1  | 58.2   | 58.2  | 58.3   | 58.3  | 58.3  | 58.2  | 58.2  | 58.1  |
| -45°    | 56.6  | 56.8   | 56.9  | 57.0   | 57.0  | 57.1   | 57.1  | 57.1  | 57.0  | 57.0  | 56.9  |
| -46.25° | 55.5  | 55.6   | 55.7  | 55.8   | 55.8  | 55.9   | 55.9  | 55.9  | 55.8  | 55.8  | 55.7  |
| -47.5°  | 54.4  | 54.5   | 54.6  | 54.6   | 54.7  | 54.7   | 54.7  | 54.7  | 54.7  | 54.6  | 54.6  |
| -48.75° | 53.6  | 53.7   | 53.8  | 53.8   | 53.9  | 53.9   | 53.9  | 53.9  | 53.9  | 53.8  | 53.8  |
| -50°    | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| -51.25° | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| -52.5°  | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| -53.75° | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  |
| -55°    | 52.9  | 52.9   | 53.0  | 53.0   | 53.1  | 53.1   | 53.1  | 53.1  | 53.1  | 53.0  | 53.0  |
| -56.25° | 52.1  | 52.2   | 52.2  | 52.2   | 52.3  | 52.3   | 52.3  | 52.3  | 52.3  | 52.2  | 52.2  |
| -57.5°  | 50.9  | 51.1   | 51.2  | 51.4   | 51.4  | 51.5   | 51.5  | 51.5  | 51.4  | 51.4  | 51.2  |
| -58.75° | 48.6  | 48.8   | 48.9  | 49.0   | 49.1  | 49.1   | 49.2  | 49.1  | 49.1  | 49.0  | 48.9  |
| -60°    | 46.3  | 46.5   | 46.6  | 46.7   | 46.7  | 46.8   | 46.8  | 46.8  | 46.7  | 46.7  | 46.6  |
| -61.25° | 44.4  | 44.5   | 44.6  | 44.7   | 44.8  | 44.8   | 44.8  | 44.8  | 44.8  | 44.7  | 44.6  |
| -62.5°  | 42.2  | 42.4   | 42.5  | 42.6   | 42.7  | 42.8   | 42.8  | 42.8  | 42.7  | 42.6  | 42.5  |
| -63.75° | 39.0  | 39.2   | 39.4  | 39.5   | 39.6  | 39.6   | 39.7  | 39.6  | 39.6  | 39.5  | 39.4  |
| -65°    | 35.9  | 36.1   | 36.2  | 36.4   | 36.4  | 36.5   | 36.5  | 36.5  | 36.4  | 36.4  | 36.2  |
| -66.25° | 32.7  | 32.9   | 33.1  | 33.2   | 33.2  | 33.3   | 33.3  | 33.3  | 33.2  | 33.2  | 33.1  |
| -67.5°  | 29.7  | 29.8   | 29.9  | 30.0   | 30.1  | 30.1   | 30.1  | 30.1  | 30.1  | 30.0  | 29.9  |
| -68.75° | 26.9  | 27.1   | 27.2  | 27.2   | 27.3  | 27.3   | 27.4  | 27.3  | 27.3  | 27.2  | 27.2  |
| -70°    | 24.3  | 24.4   | 24.4  | 24.5   | 24.6  | 24.6   | 24.6  | 24.6  | 24.6  | 24.5  | 24.4  |
| -71.25° | 21.9  | 22.0   | 22.1  | 22.1   | 22.2  | 22.2   | 22.2  | 22.2  | 22.2  | 22.1  | 22.1  |
| -72.5°  | 19.6  | 19.7   | 19.7  | 19.8   | 19.8  | 19.8   | 19.8  | 19.8  | 19.8  | 19.8  | 19.7  |
| -73.75° | 18.1  | 18.1   | 18.2  | 18.2   | 18.2  | 18.2   | 18.3  | 18.2  | 18.2  | 18.2  | 18.2  |
| -75°    | 16.6  | 16.6   | 16.7  | 16.7   | 16.7  | 16.7   | 16.7  | 16.7  | 16.7  | 16.7  | 16.7  |
| -76.25° | 15.8  | 15.8   | 15.9  | 15.9   | 15.9  | 15.9   | 15.9  | 15.9  | 15.9  | 15.9  | 15.9  |
| -77.5°  | 15.0  | 15.0   | 15.1  | 15.1   | 15.1  | 15.1   | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -7.5° | -6.25° | -5°  | -3.75° | -2.5° | -1.25° | 0°   | 1.25° | 2.5° | 3.75° | 5°   |
|---------|-------|--------|------|--------|-------|--------|------|-------|------|-------|------|
| -78.75° | 13.8  | 13.8   | 13.9 | 13.9   | 13.9  | 13.9   | 13.9 | 13.9  | 13.9 | 13.9  | 13.9 |
| -80°    | 12.6  | 12.6   | 12.7 | 12.7   | 12.7  | 12.7   | 12.7 | 12.7  | 12.7 | 12.7  | 12.7 |
| -81.25° | 11.0  | 11.0   | 11.1 | 11.1   | 11.1  | 11.1   | 11.1 | 11.1  | 11.1 | 11.1  | 11.1 |
| -82.5°  | 9.4   | 9.4    | 9.5  | 9.5    | 9.5   | 9.5    | 9.5  | 9.5   | 9.5  | 9.5   | 9.5  |
| -83.75° | 7.8   | 7.9    | 7.9  | 7.9    | 7.9   | 7.9    | 7.9  | 7.9   | 7.9  | 7.9   | 7.9  |
| -85°    | 6.2   | 6.3    | 6.3  | 6.3    | 6.3   | 6.3    | 6.3  | 6.3   | 6.3  | 6.3   | 6.3  |
| -86.25° | 4.3   | 4.3    | 4.3  | 4.3    | 4.3   | 4.3    | 4.4  | 4.3   | 4.3  | 4.3   | 4.3  |
| -87.5°  | 2.4   | 2.4    | 2.4  | 2.4    | 2.4   | 2.4    | 2.4  | 2.4   | 2.4  | 2.4   | 2.4  |
| -88.75° | 1.2   | 1.2    | 1.2  | 1.2    | 1.2   | 1.2    | 1.2  | 1.2   | 1.2  | 1.2   | 1.2  |
| -90°    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 6.25° | 7.5° | 8.75° | 10°  | 11.25° | 12.5° | 13.75° | 15°  | 16.25° | 17.5° | 18.75° |
|--------|-------|------|-------|------|--------|-------|--------|------|--------|-------|--------|
| 90°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    |
| 88.75° | 1.2   | 1.2  | 1.2   | 1.2  | 1.2    | 1.2   | 1.2    | 1.2  | 1.2    | 1.1   | 1.1    |
| 87.5°  | 2.4   | 2.4  | 2.4   | 2.4  | 2.4    | 2.3   | 2.3    | 2.3  | 2.3    | 2.3   | 2.3    |
| 86.25° | 4.3   | 4.3  | 4.3   | 4.3  | 4.2    | 4.2   | 4.2    | 4.2  | 4.1    | 4.1   | 4.0    |
| 85°    | 6.3   | 6.2  | 6.2   | 6.2  | 6.1    | 6.1   | 6.1    | 6.0  | 6.0    | 5.9   | 5.9    |
| 83.75° | 7.9   | 7.8  | 7.8   | 7.8  | 7.7    | 7.7   | 7.7    | 7.6  | 7.6    | 7.5   | 7.5    |
| 82.5°  | 9.4   | 9.4  | 9.4   | 9.4  | 9.3    | 9.3   | 9.2    | 9.2  | 9.1    | 9.1   | 9.0    |
| 81.25° | 11.0  | 11.0 | 11.0  | 10.9 | 10.9   | 10.8  | 10.8   | 10.7 | 10.6   | 10.6  | 10.5   |
| 80°    | 12.6  | 12.6 | 12.5  | 12.5 | 12.5   | 12.4  | 12.3   | 12.3 | 12.2   | 12.1  | 12.0   |
| 78.75° | 13.8  | 13.8 | 13.8  | 13.7 | 13.7   | 13.6  | 13.6   | 13.5 | 13.5   | 13.4  | 13.3   |
| 77.5°  | 15.0  | 15.0 | 15.0  | 14.9 | 14.9   | 14.8  | 14.8   | 14.7 | 14.6   | 14.5  | 14.5   |
| 76.25° | 15.8  | 15.8 | 15.8  | 15.8 | 15.7   | 15.7  | 15.6   | 15.6 | 15.5   | 15.5  | 15.4   |
| 75°    | 16.6  | 16.6 | 16.6  | 16.6 | 16.5   | 16.5  | 16.4   | 16.4 | 16.3   | 16.2  | 16.2   |
| 73.75° | 18.1  | 18.1 | 18.0  | 17.9 | 17.9   | 17.8  | 17.7   | 17.5 | 17.4   | 17.3  | 17.2   |
| 72.5°  | 19.7  | 19.6 | 19.5  | 19.5 | 19.4   | 19.3  | 19.2   | 19.0 | 18.9   | 18.8  | 18.6   |
| 71.25° | 22.0  | 21.9 | 21.8  | 21.6 | 21.5   | 21.3  | 21.1   | 20.9 | 20.7   | 20.5  | 20.2   |
| 70°    | 24.4  | 24.3 | 24.1  | 24.0 | 23.8   | 23.7  | 23.5   | 23.2 | 23.0   | 22.8  | 22.5   |
| 68.75° | 27.1  | 26.9 | 26.8  | 26.6 | 26.4   | 26.2  | 25.9   | 25.7 | 25.4   | 25.1  | 24.8   |
| 67.5°  | 29.8  | 29.7 | 29.5  | 29.3 | 29.1   | 28.9  | 28.6   | 28.3 | 28.0   | 27.7  | 27.3   |
| 66.25° | 32.9  | 32.7 | 32.5  | 32.3 | 32.1   | 31.8  | 31.5   | 31.1 | 30.7   | 30.3  | 29.9   |
| 65°    | 36.1  | 35.9 | 35.7  | 35.5 | 35.2   | 34.9  | 34.5   | 34.2 | 33.8   | 33.3  | 32.9   |
| 63.75° | 39.2  | 39.0 | 38.8  | 38.6 | 38.3   | 38.0  | 37.6   | 37.2 | 36.8   | 36.4  | 35.9   |
| 62.5°  | 42.4  | 42.2 | 41.9  | 41.7 | 41.4   | 41.0  | 40.7   | 40.3 | 39.8   | 39.3  | 38.8   |
| 61.25° | 44.5  | 44.4 | 44.2  | 44.0 | 43.8   | 43.6  | 43.4   | 43.1 | 42.8   | 42.3  | 41.8   |
| 60°    | 46.5  | 46.3 | 46.2  | 46.0 | 45.8   | 45.6  | 45.3   | 45.0 | 44.7   | 44.4  | 44.0   |
| 58.75° | 48.8  | 48.6 | 48.4  | 48.2 | 47.9   | 47.6  | 47.3   | 46.9 | 46.6   | 46.2  | 45.9   |
| 57.5°  | 51.1  | 50.9 | 50.7  | 50.5 | 50.2   | 49.9  | 49.5   | 49.2 | 48.8   | 48.4  | 47.9   |
| 56.25° | 52.2  | 52.1 | 52.0  | 51.9 | 51.8   | 51.7  | 51.6   | 51.4 | 51.0   | 50.6  | 50.1   |
| 55°    | 52.9  | 52.9 | 52.8  | 52.7 | 52.6   | 52.5  | 52.4   | 52.2 | 52.1   | 51.9  | 51.8   |
| 53.75° | 53.1  | 53.1 | 53.1  | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.8   | 52.7  | 52.5   |
| 52.5°  | 53.1  | 53.1 | 53.1  | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   |
| 51.25° | 53.1  | 53.1 | 53.1  | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   |
| 50°    | 53.1  | 53.1 | 53.1  | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   |
| 48.75° | 53.7  | 53.6 | 53.5  | 53.4 | 53.3   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   |
| 47.5°  | 54.5  | 54.4 | 54.3  | 54.2 | 54.1   | 53.9  | 53.7   | 53.6 | 53.4   | 53.2  | 53.1   |
| 46.25° | 55.6  | 55.5 | 55.3  | 55.1 | 54.9   | 54.7  | 54.5   | 54.3 | 54.1   | 53.9  | 53.7   |
| 45°    | 56.8  | 56.6 | 56.5  | 56.3 | 56.1   | 55.8  | 55.5   | 55.3 | 54.9   | 54.6  | 54.4   |
| 43.75° | 58.0  | 57.8 | 57.6  | 57.4 | 57.2   | 57.0  | 56.7   | 56.4 | 56.1   | 55.7  | 55.3   |
| 42.5°  | 59.1  | 59.0 | 58.8  | 58.6 | 58.4   | 58.1  | 57.8   | 57.5 | 57.2   | 56.8  | 56.4   |
| 41.25° | 60.3  | 60.1 | 60.0  | 59.7 | 59.5   | 59.2  | 58.9   | 58.6 | 58.3   | 57.9  | 57.5   |
| 40°    | 61.4  | 61.3 | 61.1  | 60.9 | 60.6   | 60.3  | 60.0   | 59.7 | 59.4   | 59.0  | 58.5   |
| 38.75° | 62.6  | 62.4 | 62.2  | 62.0 | 61.7   | 61.4  | 61.1   | 60.8 | 60.4   | 60.0  | 59.6   |
| 37.5°  | 63.8  | 63.6 | 63.4  | 63.1 | 62.8   | 62.5  | 62.2   | 61.8 | 61.4   | 61.0  | 60.6   |
| 36.25° | 65.7  | 65.3 | 64.9  | 64.4 | 64.0   | 63.7  | 63.3   | 62.9 | 62.5   | 62.1  | 61.6   |
| 35°    | 68.1  | 67.7 | 67.2  | 66.6 | 66.0   | 65.4  | 64.6   | 64.0 | 63.6   | 63.1  | 62.6   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 6.25°  | 7.5°   | 8.75°  | 10°    | 11.25° | 12.5°  | 13.75° | 15°    | 16.25° | 17.5°  | 18.75° |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 33.75°  | 73.0   | 71.8   | 70.4   | 68.9   | 68.3   | 67.6   | 66.8   | 66.0   | 65.1   | 64.2   | 63.7   |
| 32.5°   | 79.6   | 78.4   | 76.9   | 75.3   | 73.4   | 71.3   | 69.0   | 68.1   | 67.2   | 66.2   | 65.2   |
| 31.25°  | 86.9   | 85.4   | 83.6   | 81.7   | 79.7   | 77.5   | 75.2   | 72.6   | 69.9   | 68.3   | 67.2   |
| 30°     | 94.6   | 93.0   | 91.1   | 89.0   | 86.6   | 83.9   | 81.2   | 78.6   | 75.7   | 72.7   | 69.5   |
| 28.75°  | 104.8  | 102.1  | 98.9   | 96.4   | 93.9   | 91.1   | 88.1   | 84.8   | 81.5   | 78.4   | 75.0   |
| 27.5°   | 133.7  | 125.4  | 115.8  | 107.3  | 103.0  | 98.3   | 95.1   | 91.7   | 88.1   | 84.2   | 80.5   |
| 26.25°  | 214.3  | 191.9  | 167.9  | 140.6  | 126.2  | 112.1  | 104.4  | 98.6   | 94.7   | 90.7   | 86.5   |
| 25°     | 337.0  | 302.2  | 266.9  | 226.6  | 189.2  | 154.0  | 128.7  | 111.4  | 103.1  | 97.1   | 92.7   |
| 23.75°  | 478.4  | 438.2  | 393.5  | 344.3  | 291.7  | 240.0  | 190.8  | 148.0  | 123.0  | 106.6  | 99.1   |
| 22.5°   | 625.8  | 583.3  | 533.9  | 477.9  | 415.9  | 352.9  | 287.6  | 224.9  | 172.5  | 131.5  | 109.4  |
| 21.25°  | 753.9  | 726.4  | 675.3  | 616.2  | 550.7  | 479.1  | 403.2  | 327.0  | 254.5  | 189.0  | 136.6  |
| 20°     | 843.3  | 814.1  | 780.2  | 742.0  | 683.9  | 608.6  | 527.6  | 441.4  | 355.5  | 272.4  | 197.3  |
| 18.75°  | 928.2  | 901.0  | 865.1  | 824.6  | 780.0  | 731.5  | 650.8  | 560.5  | 465.4  | 369.8  | 278.4  |
| 17.5°   | 1004.9 | 972.6  | 941.7  | 906.0  | 858.8  | 807.7  | 753.0  | 676.4  | 577.0  | 473.4  | 369.8  |
| 16.25°  | 1097.1 | 1057.2 | 1015.8 | 971.5  | 931.2  | 882.0  | 824.5  | 763.9  | 685.0  | 577.0  | 465.4  |
| 15°     | 1216.7 | 1159.3 | 1102.6 | 1048.0 | 996.0  | 946.0  | 893.7  | 830.2  | 763.9  | 676.4  | 560.5  |
| 13.75°  | 1395.8 | 1304.0 | 1213.3 | 1135.3 | 1070.5 | 1008.5 | 950.9  | 893.7  | 824.5  | 753.0  | 650.8  |
| 12.5°   | 1629.4 | 1503.2 | 1372.5 | 1248.7 | 1156.5 | 1078.1 | 1008.5 | 946.0  | 882.0  | 807.7  | 731.5  |
| 11.25°  | 1939.0 | 1753.5 | 1571.5 | 1407.5 | 1265.4 | 1156.5 | 1070.5 | 996.0  | 931.2  | 858.8  | 780.0  |
| 10°     | 2338.5 | 2067.9 | 1817.3 | 1594.7 | 1407.5 | 1248.7 | 1135.3 | 1048.0 | 971.5  | 906.0  | 824.6  |
| 8.75°   | 2872.0 | 2465.8 | 2111.7 | 1817.3 | 1571.5 | 1372.5 | 1213.3 | 1102.6 | 1015.8 | 941.7  | 865.1  |
| 7.5°    | 3548.7 | 2966.8 | 2465.8 | 2067.9 | 1753.5 | 1503.2 | 1304.0 | 1159.3 | 1057.2 | 972.6  | 901.0  |
| 6.25°   | 4313.7 | 3548.7 | 2872.0 | 2338.5 | 1939.0 | 1629.4 | 1395.8 | 1216.7 | 1097.1 | 1004.9 | 928.2  |
| 5°      | 5084.0 | 4151.6 | 3303.7 | 2624.2 | 2129.8 | 1765.9 | 1489.1 | 1276.3 | 1131.1 | 1032.0 | 949.1  |
| 3.75°   | 5790.0 | 4729.7 | 3740.7 | 2914.1 | 2303.0 | 1875.8 | 1566.3 | 1333.5 | 1166.7 | 1054.7 | 965.6  |
| 2.5°    | 6337.1 | 5177.3 | 4077.6 | 3151.4 | 2458.4 | 1975.7 | 1624.5 | 1375.2 | 1192.6 | 1072.6 | 978.7  |
| 1.25°   | 6686.3 | 5475.0 | 4306.2 | 3298.0 | 2553.9 | 2038.7 | 1669.3 | 1400.5 | 1208.3 | 1083.4 | 987.4  |
| 0°      | 6807.1 | 5576.9 | 4387.7 | 3347.6 | 2586.1 | 2060.0 | 1684.3 | 1409.0 | 1213.6 | 1087.1 | 990.3  |
| -1.25°  | 6686.3 | 5475.0 | 4306.2 | 3298.0 | 2553.9 | 2038.7 | 1669.3 | 1400.5 | 1208.3 | 1083.4 | 987.4  |
| -2.5°   | 6337.1 | 5177.3 | 4077.6 | 3151.4 | 2458.4 | 1975.7 | 1624.5 | 1375.2 | 1192.6 | 1072.6 | 978.7  |
| -3.75°  | 5790.0 | 4729.7 | 3740.7 | 2914.1 | 2303.0 | 1875.8 | 1566.3 | 1333.5 | 1166.7 | 1054.7 | 965.6  |
| -5°     | 5084.0 | 4151.6 | 3303.7 | 2624.2 | 2129.8 | 1765.9 | 1489.1 | 1276.3 | 1131.1 | 1032.0 | 949.1  |
| -6.25°  | 4313.7 | 3548.7 | 2872.0 | 2338.5 | 1939.0 | 1629.4 | 1395.8 | 1216.7 | 1097.1 | 1004.9 | 928.2  |
| -7.5°   | 3548.7 | 2966.8 | 2465.8 | 2067.9 | 1753.5 | 1503.2 | 1304.0 | 1159.3 | 1057.2 | 972.6  | 901.0  |
| -8.75°  | 2872.0 | 2465.8 | 2111.7 | 1817.3 | 1571.5 | 1372.5 | 1213.3 | 1102.6 | 1015.8 | 941.7  | 865.1  |
| -10°    | 2338.5 | 2067.9 | 1817.3 | 1594.7 | 1407.5 | 1248.7 | 1135.3 | 1048.0 | 971.5  | 906.0  | 824.6  |
| -11.25° | 1939.0 | 1753.5 | 1571.5 | 1407.5 | 1265.4 | 1156.5 | 1070.5 | 996.0  | 931.2  | 858.8  | 780.0  |
| -12.5°  | 1629.4 | 1503.2 | 1372.5 | 1248.7 | 1156.5 | 1078.1 | 1008.5 | 946.0  | 882.0  | 807.7  | 731.5  |
| -13.75° | 1395.8 | 1304.0 | 1213.3 | 1135.3 | 1070.5 | 1008.5 | 950.9  | 893.7  | 824.5  | 753.0  | 650.8  |
| -15°    | 1216.7 | 1159.3 | 1102.6 | 1048.0 | 996.0  | 946.0  | 893.7  | 830.2  | 763.9  | 676.4  | 560.5  |
| -16.25° | 1097.1 | 1057.2 | 1015.8 | 971.5  | 931.2  | 882.0  | 824.5  | 763.9  | 685.0  | 577.0  | 465.4  |
| -17.5°  | 1004.9 | 972.6  | 941.7  | 906.0  | 858.8  | 807.7  | 753.0  | 676.4  | 577.0  | 473.4  | 369.8  |
| -18.75° | 928.2  | 901.0  | 865.1  | 824.6  | 780.0  | 731.5  | 650.8  | 560.5  | 465.4  | 369.8  | 278.4  |
| -20°    | 843.3  | 814.1  | 780.2  | 742.0  | 683.9  | 608.6  | 527.6  | 441.4  | 355.5  | 272.4  | 197.3  |
| -21.25° | 753.9  | 726.4  | 675.3  | 616.2  | 550.7  | 479.1  | 403.2  | 327.0  | 254.5  | 189.0  | 136.6  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 6.25° | 7.5°  | 8.75° | 10°   | 11.25° | 12.5° | 13.75° | 15°   | 16.25° | 17.5° | 18.75° |
|---------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| -22.5°  | 625.8 | 583.3 | 533.9 | 477.9 | 415.9  | 352.9 | 287.6  | 224.9 | 172.5  | 131.5 | 109.4  |
| -23.75° | 478.4 | 438.2 | 393.5 | 344.3 | 291.7  | 240.0 | 190.8  | 148.0 | 123.0  | 106.6 | 99.1   |
| -25°    | 337.0 | 302.2 | 266.9 | 226.6 | 189.2  | 154.0 | 128.7  | 111.4 | 103.1  | 97.1  | 92.7   |
| -26.25° | 214.3 | 191.9 | 167.9 | 140.6 | 126.2  | 112.1 | 104.4  | 98.6  | 94.7   | 90.7  | 86.5   |
| -27.5°  | 133.7 | 125.4 | 115.8 | 107.3 | 103.0  | 98.3  | 95.1   | 91.7  | 88.1   | 84.2  | 80.5   |
| -28.75° | 104.8 | 102.1 | 98.9  | 96.4  | 93.9   | 91.1  | 88.1   | 84.8  | 81.5   | 78.4  | 75.0   |
| -30°    | 94.6  | 93.0  | 91.1  | 89.0  | 86.6   | 83.9  | 81.2   | 78.6  | 75.7   | 72.7  | 69.5   |
| -31.25° | 86.9  | 85.4  | 83.6  | 81.7  | 79.7   | 77.5  | 75.2   | 72.6  | 69.9   | 68.3  | 67.2   |
| -32.5°  | 79.6  | 78.4  | 76.9  | 75.3  | 73.4   | 71.3  | 69.0   | 68.1  | 67.2   | 66.2  | 65.2   |
| -33.75° | 73.0  | 71.8  | 70.4  | 68.9  | 68.3   | 67.6  | 66.8   | 66.0  | 65.1   | 64.2  | 63.7   |
| -35°    | 68.1  | 67.7  | 67.2  | 66.6  | 66.0   | 65.4  | 64.6   | 64.0  | 63.6   | 63.1  | 62.6   |
| -36.25° | 65.7  | 65.3  | 64.9  | 64.4  | 64.0   | 63.7  | 63.3   | 62.9  | 62.5   | 62.1  | 61.6   |
| -37.5°  | 63.8  | 63.6  | 63.4  | 63.1  | 62.8   | 62.5  | 62.2   | 61.8  | 61.4   | 61.0  | 60.6   |
| -38.75° | 62.6  | 62.4  | 62.2  | 62.0  | 61.7   | 61.4  | 61.1   | 60.8  | 60.4   | 60.0  | 59.6   |
| -40°    | 61.4  | 61.3  | 61.1  | 60.9  | 60.6   | 60.3  | 60.0   | 59.7  | 59.4   | 59.0  | 58.5   |
| -41.25° | 60.3  | 60.1  | 60.0  | 59.7  | 59.5   | 59.2  | 58.9   | 58.6  | 58.3   | 57.9  | 57.5   |
| -42.5°  | 59.1  | 59.0  | 58.8  | 58.6  | 58.4   | 58.1  | 57.8   | 57.5  | 57.2   | 56.8  | 56.4   |
| -43.75° | 58.0  | 57.8  | 57.6  | 57.4  | 57.2   | 57.0  | 56.7   | 56.4  | 56.1   | 55.7  | 55.3   |
| -45°    | 56.8  | 56.6  | 56.5  | 56.3  | 56.1   | 55.8  | 55.5   | 55.3  | 54.9   | 54.6  | 54.4   |
| -46.25° | 55.6  | 55.5  | 55.3  | 55.1  | 54.9   | 54.7  | 54.5   | 54.3  | 54.1   | 53.9  | 53.7   |
| -47.5°  | 54.5  | 54.4  | 54.3  | 54.2  | 54.1   | 53.9  | 53.7   | 53.6  | 53.4   | 53.2  | 53.1   |
| -48.75° | 53.7  | 53.6  | 53.5  | 53.4  | 53.3   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   |
| -50°    | 53.1  | 53.1  | 53.1  | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   |
| -51.25° | 53.1  | 53.1  | 53.1  | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   |
| -52.5°  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   | 53.1  | 53.1   |
| -53.75° | 53.1  | 53.1  | 53.1  | 53.1  | 53.1   | 53.1  | 53.1   | 53.0  | 52.8   | 52.7  | 52.5   |
| -55°    | 52.9  | 52.9  | 52.8  | 52.7  | 52.6   | 52.5  | 52.4   | 52.2  | 52.1   | 51.9  | 51.8   |
| -56.25° | 52.2  | 52.1  | 52.0  | 51.9  | 51.8   | 51.7  | 51.6   | 51.4  | 51.0   | 50.6  | 50.1   |
| -57.5°  | 51.1  | 50.9  | 50.7  | 50.5  | 50.2   | 49.9  | 49.5   | 49.2  | 48.8   | 48.4  | 47.9   |
| -58.75° | 48.8  | 48.6  | 48.4  | 48.2  | 47.9   | 47.6  | 47.3   | 46.9  | 46.6   | 46.2  | 45.9   |
| -60°    | 46.5  | 46.3  | 46.2  | 46.0  | 45.8   | 45.6  | 45.3   | 45.0  | 44.7   | 44.4  | 44.0   |
| -61.25° | 44.5  | 44.4  | 44.2  | 44.0  | 43.8   | 43.6  | 43.4   | 43.1  | 42.8   | 42.3  | 41.8   |
| -62.5°  | 42.4  | 42.2  | 41.9  | 41.7  | 41.4   | 41.0  | 40.7   | 40.3  | 39.8   | 39.3  | 38.8   |
| -63.75° | 39.2  | 39.0  | 38.8  | 38.6  | 38.3   | 38.0  | 37.6   | 37.2  | 36.8   | 36.4  | 35.9   |
| -65°    | 36.1  | 35.9  | 35.7  | 35.5  | 35.2   | 34.9  | 34.5   | 34.2  | 33.8   | 33.3  | 32.9   |
| -66.25° | 32.9  | 32.7  | 32.5  | 32.3  | 32.1   | 31.8  | 31.5   | 31.1  | 30.7   | 30.3  | 29.9   |
| -67.5°  | 29.8  | 29.7  | 29.5  | 29.3  | 29.1   | 28.9  | 28.6   | 28.3  | 28.0   | 27.7  | 27.3   |
| -68.75° | 27.1  | 26.9  | 26.8  | 26.6  | 26.4   | 26.2  | 25.9   | 25.7  | 25.4   | 25.1  | 24.8   |
| -70°    | 24.4  | 24.3  | 24.1  | 24.0  | 23.8   | 23.7  | 23.5   | 23.2  | 23.0   | 22.8  | 22.5   |
| -71.25° | 22.0  | 21.9  | 21.8  | 21.6  | 21.5   | 21.3  | 21.1   | 20.9  | 20.7   | 20.5  | 20.2   |
| -72.5°  | 19.7  | 19.6  | 19.5  | 19.5  | 19.4   | 19.3  | 19.2   | 19.0  | 18.9   | 18.8  | 18.6   |
| -73.75° | 18.1  | 18.1  | 18.0  | 17.9  | 17.9   | 17.8  | 17.7   | 17.5  | 17.4   | 17.3  | 17.2   |
| -75°    | 16.6  | 16.6  | 16.6  | 16.6  | 16.5   | 16.5  | 16.4   | 16.4  | 16.3   | 16.2  | 16.2   |
| -76.25° | 15.8  | 15.8  | 15.8  | 15.8  | 15.7   | 15.7  | 15.6   | 15.6  | 15.5   | 15.5  | 15.4   |
| -77.5°  | 15.0  | 15.0  | 15.0  | 14.9  | 14.9   | 14.8  | 14.8   | 14.7  | 14.6   | 14.5  | 14.5   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 6.25° | 7.5° | 8.75° | 10°  | 11.25° | 12.5° | 13.75° | 15°  | 16.25° | 17.5° | 18.75° |
|---------|-------|------|-------|------|--------|-------|--------|------|--------|-------|--------|
| -78.75° | 13.8  | 13.8 | 13.8  | 13.7 | 13.7   | 13.6  | 13.6   | 13.5 | 13.5   | 13.4  | 13.3   |
| -80°    | 12.6  | 12.6 | 12.5  | 12.5 | 12.5   | 12.4  | 12.3   | 12.3 | 12.2   | 12.1  | 12.0   |
| -81.25° | 11.0  | 11.0 | 11.0  | 10.9 | 10.9   | 10.8  | 10.8   | 10.7 | 10.6   | 10.6  | 10.5   |
| -82.5°  | 9.4   | 9.4  | 9.4   | 9.4  | 9.3    | 9.3   | 9.2    | 9.2  | 9.1    | 9.1   | 9.0    |
| -83.75° | 7.9   | 7.8  | 7.8   | 7.8  | 7.7    | 7.7   | 7.7    | 7.6  | 7.6    | 7.5   | 7.5    |
| -85°    | 6.3   | 6.2  | 6.2   | 6.2  | 6.1    | 6.1   | 6.1    | 6.0  | 6.0    | 5.9   | 5.9    |
| -86.25° | 4.3   | 4.3  | 4.3   | 4.3  | 4.2    | 4.2   | 4.2    | 4.2  | 4.1    | 4.1   | 4.0    |
| -87.5°  | 2.4   | 2.4  | 2.4   | 2.4  | 2.4    | 2.3   | 2.3    | 2.3  | 2.3    | 2.3   | 2.3    |
| -88.75° | 1.2   | 1.2  | 1.2   | 1.2  | 1.2    | 1.2   | 1.2    | 1.2  | 1.2    | 1.1   | 1.1    |
| -90°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 20°  | 21.25° | 22.5° | 23.75° | 25°  | 26.25° | 27.5° | 28.75° | 30°  | 31.25° | 32.5° |
|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|
| 90°    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   |
| 88.75° | 1.1  | 1.1    | 1.1   | 1.1    | 1.1  | 1.1    | 1.1   | 1.1    | 1.0  | 1.0    | 1.0   |
| 87.5°  | 2.3  | 2.2    | 2.2   | 2.2    | 2.2  | 2.2    | 2.1   | 2.1    | 2.1  | 2.1    | 2.0   |
| 86.25° | 4.0  | 4.0    | 3.9   | 3.9    | 3.8  | 3.7    | 3.7   | 3.6    | 3.6  | 3.5    | 3.4   |
| 85°    | 5.8  | 5.8    | 5.7   | 5.6    | 5.6  | 5.5    | 5.4   | 5.3    | 5.3  | 5.2    | 5.1   |
| 83.75° | 7.4  | 7.4    | 7.3   | 7.2    | 7.1  | 7.1    | 7.0   | 6.9    | 6.8  | 6.7    | 6.6   |
| 82.5°  | 8.9  | 8.8    | 8.8   | 8.7    | 8.6  | 8.5    | 8.4   | 8.3    | 8.2  | 8.1    | 8.0   |
| 81.25° | 10.4 | 10.3   | 10.2  | 10.1   | 10.0 | 9.9    | 9.8   | 9.7    | 9.6  | 9.5    | 9.3   |
| 80°    | 11.9 | 11.8   | 11.7  | 11.6   | 11.5 | 11.4   | 11.2  | 11.1   | 11.0 | 10.8   | 10.7  |
| 78.75° | 13.2 | 13.2   | 13.1  | 13.0   | 12.9 | 12.8   | 12.7  | 12.5   | 12.4 | 12.2   | 12.0  |
| 77.5°  | 14.4 | 14.3   | 14.2  | 14.1   | 14.0 | 13.8   | 13.7  | 13.6   | 13.5 | 13.3   | 13.2  |
| 76.25° | 15.4 | 15.3   | 15.2  | 15.1   | 15.0 | 14.9   | 14.8  | 14.6   | 14.5 | 14.4   | 14.2  |
| 75°    | 16.1 | 16.0   | 16.0  | 15.9   | 15.8 | 15.7   | 15.6  | 15.5   | 15.4 | 15.3   | 15.2  |
| 73.75° | 17.0 | 16.8   | 16.7  | 16.6   | 16.5 | 16.4   | 16.3  | 16.2   | 16.1 | 16.0   | 15.8  |
| 72.5°  | 18.5 | 18.3   | 18.1  | 17.9   | 17.7 | 17.5   | 17.3  | 17.1   | 16.8 | 16.6   | 16.5  |
| 71.25° | 20.0 | 19.7   | 19.5  | 19.3   | 19.1 | 18.9   | 18.6  | 18.4   | 18.1 | 17.9   | 17.6  |
| 70°    | 22.2 | 21.9   | 21.6  | 21.2   | 20.9 | 20.5   | 20.1  | 19.7   | 19.5 | 19.2   | 18.9  |
| 68.75° | 24.4 | 24.1   | 23.8  | 23.4   | 23.0 | 22.6   | 22.2  | 21.8   | 21.3 | 20.9   | 20.4  |
| 67.5°  | 27.0 | 26.6   | 26.2  | 25.7   | 25.2 | 24.8   | 24.3  | 23.8   | 23.4 | 22.9   | 22.4  |
| 66.25° | 29.5 | 29.1   | 28.7  | 28.2   | 27.7 | 27.2   | 26.6  | 26.1   | 25.5 | 24.9   | 24.3  |
| 65°    | 32.4 | 31.9   | 31.3  | 30.8   | 30.2 | 29.6   | 29.0  | 28.4   | 27.8 | 27.2   | 26.5  |
| 63.75° | 35.4 | 34.8   | 34.2  | 33.6   | 33.0 | 32.3   | 31.6  | 30.9   | 30.2 | 29.5   | 28.8  |
| 62.5°  | 38.3 | 37.7   | 37.1  | 36.5   | 35.8 | 35.1   | 34.4  | 33.6   | 32.8 | 32.0   | 31.2  |
| 61.25° | 41.2 | 40.6   | 40.0  | 39.3   | 38.6 | 37.9   | 37.1  | 36.4   | 35.5 | 34.7   | 33.8  |
| 60°    | 43.6 | 43.2   | 42.8  | 42.1   | 41.4 | 40.6   | 39.8  | 39.0   | 38.2 | 37.3   | 36.4  |
| 58.75° | 45.5 | 45.1   | 44.6  | 44.2   | 43.7 | 43.2   | 42.5  | 41.7   | 40.8 | 39.8   | 38.9  |
| 57.5°  | 47.4 | 46.9   | 46.4  | 45.9   | 45.4 | 44.9   | 44.3  | 43.8   | 43.2 | 42.4   | 41.4  |
| 56.25° | 49.6 | 49.0   | 48.5  | 47.9   | 47.2 | 46.6   | 46.0  | 45.4   | 44.8 | 44.2   | 43.5  |
| 55°    | 51.6 | 51.2   | 50.6  | 49.9   | 49.3 | 48.6   | 47.9  | 47.2   | 46.5 | 45.8   | 45.1  |
| 53.75° | 52.3 | 52.1   | 51.9  | 51.7   | 51.3 | 50.6   | 49.9  | 49.1   | 48.3 | 47.5   | 46.7  |
| 52.5°  | 53.0 | 52.8   | 52.6  | 52.4   | 52.1 | 51.9   | 51.6  | 51.0   | 50.2 | 49.4   | 48.5  |
| 51.25° | 53.1 | 53.1   | 53.1  | 53.1   | 52.8 | 52.6   | 52.3  | 52.0   | 51.7 | 51.2   | 50.3  |
| 50°    | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.9  | 52.7   | 52.3 | 52.0   | 51.7  |
| 48.75° | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.7   | 52.3  |
| 47.5°  | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.9  |
| 46.25° | 53.4 | 53.2   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| 45°    | 54.2 | 53.9   | 53.6  | 53.3   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| 43.75° | 54.9 | 54.6   | 54.3  | 54.0   | 53.7 | 53.3   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| 42.5°  | 56.0 | 55.6   | 55.1  | 54.7   | 54.3 | 54.0   | 53.6  | 53.3   | 53.1 | 53.1   | 53.1  |
| 41.25° | 57.1 | 56.6   | 56.1  | 55.6   | 55.1 | 54.6   | 54.3  | 53.9   | 53.5 | 53.1   | 53.1  |
| 40°    | 58.1 | 57.6   | 57.1  | 56.6   | 56.1 | 55.6   | 55.0  | 54.5   | 54.1 | 53.7   | 53.3  |
| 38.75° | 59.1 | 58.7   | 58.2  | 57.6   | 57.1 | 56.5   | 55.9  | 55.3   | 54.7 | 54.3   | 53.8  |
| 37.5°  | 60.1 | 59.7   | 59.1  | 58.6   | 58.0 | 57.4   | 56.8  | 56.2   | 55.6 | 54.9   | 54.4  |
| 36.25° | 61.1 | 60.6   | 60.1  | 59.6   | 59.0 | 58.4   | 57.7  | 57.1   | 56.4 | 55.7   | 55.0  |
| 35°    | 62.1 | 61.6   | 61.0  | 60.5   | 59.9 | 59.3   | 58.6  | 58.0   | 57.3 | 56.6   | 55.9  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 20°   | 21.25° | 22.5° | 23.75° | 25°   | 26.25° | 27.5° | 28.75° | 30°  | 31.25° | 32.5° |
|---------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|-------|
| 33.75°  | 63.1  | 62.6   | 62.0  | 61.4   | 60.8  | 60.2   | 59.5  | 58.8   | 58.1 | 57.4   | 56.6  |
| 32.5°   | 64.1  | 63.5   | 62.9  | 62.3   | 61.7  | 61.0   | 60.4  | 59.7   | 58.9 | 58.2   | 57.4  |
| 31.25°  | 66.0  | 64.8   | 63.9  | 63.2   | 62.6  | 61.9   | 61.2  | 60.5   | 59.7 | 59.0   | 58.2  |
| 30°     | 68.0  | 66.7   | 65.4  | 64.1   | 63.4  | 62.7   | 62.0  | 61.2   | 60.5 | 59.7   | 58.9  |
| 28.75°  | 71.6  | 68.6   | 67.3  | 65.9   | 64.4  | 63.6   | 62.8  | 62.0   | 61.2 | 60.5   | 59.7  |
| 27.5°   | 76.9  | 73.1   | 69.2  | 67.6   | 66.1  | 64.6   | 63.6  | 62.8   | 62.0 | 61.2   | 60.4  |
| 26.25°  | 82.2  | 78.2   | 74.2  | 70.0   | 67.8  | 66.2   | 64.6  | 63.6   | 62.7 | 61.9   | 61.0  |
| 25°     | 88.1  | 83.4   | 79.0  | 74.7   | 70.2  | 67.8   | 66.1  | 64.4   | 63.4 | 62.6   | 61.7  |
| 23.75°  | 94.1  | 89.1   | 84.0  | 79.3   | 74.7  | 70.0   | 67.6  | 65.9   | 64.1 | 63.2   | 62.3  |
| 22.5°   | 100.8 | 94.7   | 89.5  | 84.0   | 79.0  | 74.2   | 69.2  | 67.3   | 65.4 | 63.9   | 62.9  |
| 21.25°  | 112.7 | 101.4  | 94.7  | 89.1   | 83.4  | 78.2   | 73.1  | 68.6   | 66.7 | 64.8   | 63.5  |
| 20°     | 138.6 | 112.7  | 100.8 | 94.1   | 88.1  | 82.2   | 76.9  | 71.6   | 68.0 | 66.0   | 64.1  |
| 18.75°  | 197.3 | 136.6  | 109.4 | 99.1   | 92.7  | 86.5   | 80.5  | 75.0   | 69.5 | 67.2   | 65.2  |
| 17.5°   | 272.4 | 189.0  | 131.5 | 106.6  | 97.1  | 90.7   | 84.2  | 78.4   | 72.7 | 68.3   | 66.2  |
| 16.25°  | 355.5 | 254.5  | 172.5 | 123.0  | 103.1 | 94.7   | 88.1  | 81.5   | 75.7 | 69.9   | 67.2  |
| 15°     | 441.4 | 327.0  | 224.9 | 148.0  | 111.4 | 98.6   | 91.7  | 84.8   | 78.6 | 72.6   | 68.1  |
| 13.75°  | 527.6 | 403.2  | 287.6 | 190.8  | 128.7 | 104.4  | 95.1  | 88.1   | 81.2 | 75.2   | 69.0  |
| 12.5°   | 608.6 | 479.1  | 352.9 | 240.0  | 154.0 | 112.1  | 98.3  | 91.1   | 83.9 | 77.5   | 71.3  |
| 11.25°  | 683.9 | 550.7  | 415.9 | 291.7  | 189.2 | 126.2  | 103.0 | 93.9   | 86.6 | 79.7   | 73.4  |
| 10°     | 742.0 | 616.2  | 477.9 | 344.3  | 226.6 | 140.6  | 107.3 | 96.4   | 89.0 | 81.7   | 75.3  |
| 8.75°   | 780.2 | 675.3  | 533.9 | 393.5  | 266.9 | 167.9  | 115.8 | 98.9   | 91.1 | 83.6   | 76.9  |
| 7.5°    | 814.1 | 726.4  | 583.3 | 438.2  | 302.2 | 191.9  | 125.4 | 102.1  | 93.0 | 85.4   | 78.4  |
| 6.25°   | 843.3 | 753.9  | 625.8 | 478.4  | 337.0 | 214.3  | 133.7 | 104.8  | 94.6 | 86.9   | 79.6  |
| 5°      | 867.6 | 776.8  | 661.0 | 511.6  | 366.1 | 238.1  | 143.9 | 107.1  | 95.9 | 88.1   | 80.7  |
| 3.75°   | 886.8 | 794.8  | 688.7 | 537.8  | 389.0 | 256.7  | 156.5 | 109.4  | 97.0 | 89.1   | 81.5  |
| 2.5°    | 900.6 | 807.8  | 708.6 | 556.6  | 405.5 | 270.1  | 165.6 | 113.0  | 97.7 | 89.8   | 82.0  |
| 1.25°   | 909.0 | 815.6  | 720.7 | 567.9  | 415.4 | 278.2  | 171.0 | 115.2  | 98.2 | 90.3   | 82.4  |
| 0°      | 911.8 | 818.3  | 724.7 | 571.7  | 418.7 | 280.9  | 172.9 | 116.0  | 98.3 | 90.4   | 82.5  |
| -1.25°  | 909.0 | 815.6  | 720.7 | 567.9  | 415.4 | 278.2  | 171.0 | 115.2  | 98.2 | 90.3   | 82.4  |
| -2.5°   | 900.6 | 807.8  | 708.6 | 556.6  | 405.5 | 270.1  | 165.6 | 113.0  | 97.7 | 89.8   | 82.0  |
| -3.75°  | 886.8 | 794.8  | 688.7 | 537.8  | 389.0 | 256.7  | 156.5 | 109.4  | 97.0 | 89.1   | 81.5  |
| -5°     | 867.6 | 776.8  | 661.0 | 511.6  | 366.1 | 238.1  | 143.9 | 107.1  | 95.9 | 88.1   | 80.7  |
| -6.25°  | 843.3 | 753.9  | 625.8 | 478.4  | 337.0 | 214.3  | 133.7 | 104.8  | 94.6 | 86.9   | 79.6  |
| -7.5°   | 814.1 | 726.4  | 583.3 | 438.2  | 302.2 | 191.9  | 125.4 | 102.1  | 93.0 | 85.4   | 78.4  |
| -8.75°  | 780.2 | 675.3  | 533.9 | 393.5  | 266.9 | 167.9  | 115.8 | 98.9   | 91.1 | 83.6   | 76.9  |
| -10°    | 742.0 | 616.2  | 477.9 | 344.3  | 226.6 | 140.6  | 107.3 | 96.4   | 89.0 | 81.7   | 75.3  |
| -11.25° | 683.9 | 550.7  | 415.9 | 291.7  | 189.2 | 126.2  | 103.0 | 93.9   | 86.6 | 79.7   | 73.4  |
| -12.5°  | 608.6 | 479.1  | 352.9 | 240.0  | 154.0 | 112.1  | 98.3  | 91.1   | 83.9 | 77.5   | 71.3  |
| -13.75° | 527.6 | 403.2  | 287.6 | 190.8  | 128.7 | 104.4  | 95.1  | 88.1   | 81.2 | 75.2   | 69.0  |
| -15°    | 441.4 | 327.0  | 224.9 | 148.0  | 111.4 | 98.6   | 91.7  | 84.8   | 78.6 | 72.6   | 68.1  |
| -16.25° | 355.5 | 254.5  | 172.5 | 123.0  | 103.1 | 94.7   | 88.1  | 81.5   | 75.7 | 69.9   | 67.2  |
| -17.5°  | 272.4 | 189.0  | 131.5 | 106.6  | 97.1  | 90.7   | 84.2  | 78.4   | 72.7 | 68.3   | 66.2  |
| -18.75° | 197.3 | 136.6  | 109.4 | 99.1   | 92.7  | 86.5   | 80.5  | 75.0   | 69.5 | 67.2   | 65.2  |
| -20°    | 138.6 | 112.7  | 100.8 | 94.1   | 88.1  | 82.2   | 76.9  | 71.6   | 68.0 | 66.0   | 64.1  |
| -21.25° | 112.7 | 101.4  | 94.7  | 89.1   | 83.4  | 78.2   | 73.1  | 68.6   | 66.7 | 64.8   | 63.5  |





REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 20°   | 21.25° | 22.5° | 23.75° | 25°  | 26.25° | 27.5° | 28.75° | 30°  | 31.25° | 32.5° |
|---------|-------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|
| -22.5°  | 100.8 | 94.7   | 89.5  | 84.0   | 79.0 | 74.2   | 69.2  | 67.3   | 65.4 | 63.9   | 62.9  |
| -23.75° | 94.1  | 89.1   | 84.0  | 79.3   | 74.7 | 70.0   | 67.6  | 65.9   | 64.1 | 63.2   | 62.3  |
| -25°    | 88.1  | 83.4   | 79.0  | 74.7   | 70.2 | 67.8   | 66.1  | 64.4   | 63.4 | 62.6   | 61.7  |
| -26.25° | 82.2  | 78.2   | 74.2  | 70.0   | 67.8 | 66.2   | 64.6  | 63.6   | 62.7 | 61.9   | 61.0  |
| -27.5°  | 76.9  | 73.1   | 69.2  | 67.6   | 66.1 | 64.6   | 63.6  | 62.8   | 62.0 | 61.2   | 60.4  |
| -28.75° | 71.6  | 68.6   | 67.3  | 65.9   | 64.4 | 63.6   | 62.8  | 62.0   | 61.2 | 60.5   | 59.7  |
| -30°    | 68.0  | 66.7   | 65.4  | 64.1   | 63.4 | 62.7   | 62.0  | 61.2   | 60.5 | 59.7   | 58.9  |
| -31.25° | 66.0  | 64.8   | 63.9  | 63.2   | 62.6 | 61.9   | 61.2  | 60.5   | 59.7 | 59.0   | 58.2  |
| -32.5°  | 64.1  | 63.5   | 62.9  | 62.3   | 61.7 | 61.0   | 60.4  | 59.7   | 58.9 | 58.2   | 57.4  |
| -33.75° | 63.1  | 62.6   | 62.0  | 61.4   | 60.8 | 60.2   | 59.5  | 58.8   | 58.1 | 57.4   | 56.6  |
| -35°    | 62.1  | 61.6   | 61.0  | 60.5   | 59.9 | 59.3   | 58.6  | 58.0   | 57.3 | 56.6   | 55.9  |
| -36.25° | 61.1  | 60.6   | 60.1  | 59.6   | 59.0 | 58.4   | 57.7  | 57.1   | 56.4 | 55.7   | 55.0  |
| -37.5°  | 60.1  | 59.7   | 59.1  | 58.6   | 58.0 | 57.4   | 56.8  | 56.2   | 55.6 | 54.9   | 54.4  |
| -38.75° | 59.1  | 58.7   | 58.2  | 57.6   | 57.1 | 56.5   | 55.9  | 55.3   | 54.7 | 54.3   | 53.8  |
| -40°    | 58.1  | 57.6   | 57.1  | 56.6   | 56.1 | 55.6   | 55.0  | 54.5   | 54.1 | 53.7   | 53.3  |
| -41.25° | 57.1  | 56.6   | 56.1  | 55.6   | 55.1 | 54.6   | 54.3  | 53.9   | 53.5 | 53.1   | 53.1  |
| -42.5°  | 56.0  | 55.6   | 55.1  | 54.7   | 54.3 | 54.0   | 53.6  | 53.3   | 53.1 | 53.1   | 53.1  |
| -43.75° | 54.9  | 54.6   | 54.3  | 54.0   | 53.7 | 53.3   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| -45°    | 54.2  | 53.9   | 53.6  | 53.3   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| -46.25° | 53.4  | 53.2   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  |
| -47.5°  | 53.1  | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.9  |
| -48.75° | 53.1  | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.7   | 52.3  |
| -50°    | 53.1  | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.9  | 52.7   | 52.3 | 52.0   | 51.7  |
| -51.25° | 53.1  | 53.1   | 53.1  | 53.1   | 52.8 | 52.6   | 52.3  | 52.0   | 51.7 | 51.2   | 50.3  |
| -52.5°  | 53.0  | 52.8   | 52.6  | 52.4   | 52.1 | 51.9   | 51.6  | 51.0   | 50.2 | 49.4   | 48.5  |
| -53.75° | 52.3  | 52.1   | 51.9  | 51.7   | 51.3 | 50.6   | 49.9  | 49.1   | 48.3 | 47.5   | 46.7  |
| -55°    | 51.6  | 51.2   | 50.6  | 49.9   | 49.3 | 48.6   | 47.9  | 47.2   | 46.5 | 45.8   | 45.1  |
| -56.25° | 49.6  | 49.0   | 48.5  | 47.9   | 47.2 | 46.6   | 46.0  | 45.4   | 44.8 | 44.2   | 43.5  |
| -57.5°  | 47.4  | 46.9   | 46.4  | 45.9   | 45.4 | 44.9   | 44.3  | 43.8   | 43.2 | 42.4   | 41.4  |
| -58.75° | 45.5  | 45.1   | 44.6  | 44.2   | 43.7 | 43.2   | 42.5  | 41.7   | 40.8 | 39.8   | 38.9  |
| -60°    | 43.6  | 43.2   | 42.8  | 42.1   | 41.4 | 40.6   | 39.8  | 39.0   | 38.2 | 37.3   | 36.4  |
| -61.25° | 41.2  | 40.6   | 40.0  | 39.3   | 38.6 | 37.9   | 37.1  | 36.4   | 35.5 | 34.7   | 33.8  |
| -62.5°  | 38.3  | 37.7   | 37.1  | 36.5   | 35.8 | 35.1   | 34.4  | 33.6   | 32.8 | 32.0   | 31.2  |
| -63.75° | 35.4  | 34.8   | 34.2  | 33.6   | 33.0 | 32.3   | 31.6  | 30.9   | 30.2 | 29.5   | 28.8  |
| -65°    | 32.4  | 31.9   | 31.3  | 30.8   | 30.2 | 29.6   | 29.0  | 28.4   | 27.8 | 27.2   | 26.5  |
| -66.25° | 29.5  | 29.1   | 28.7  | 28.2   | 27.7 | 27.2   | 26.6  | 26.1   | 25.5 | 24.9   | 24.3  |
| -67.5°  | 27.0  | 26.6   | 26.2  | 25.7   | 25.2 | 24.8   | 24.3  | 23.8   | 23.4 | 22.9   | 22.4  |
| -68.75° | 24.4  | 24.1   | 23.8  | 23.4   | 23.0 | 22.6   | 22.2  | 21.8   | 21.3 | 20.9   | 20.4  |
| -70°    | 22.2  | 21.9   | 21.6  | 21.2   | 20.9 | 20.5   | 20.1  | 19.7   | 19.5 | 19.2   | 18.9  |
| -71.25° | 20.0  | 19.7   | 19.5  | 19.3   | 19.1 | 18.9   | 18.6  | 18.4   | 18.1 | 17.9   | 17.6  |
| -72.5°  | 18.5  | 18.3   | 18.1  | 17.9   | 17.7 | 17.5   | 17.3  | 17.1   | 16.8 | 16.6   | 16.5  |
| -73.75° | 17.0  | 16.8   | 16.7  | 16.6   | 16.5 | 16.4   | 16.3  | 16.2   | 16.1 | 16.0   | 15.8  |
| -75°    | 16.1  | 16.0   | 16.0  | 15.9   | 15.8 | 15.7   | 15.6  | 15.5   | 15.4 | 15.3   | 15.2  |
| -76.25° | 15.4  | 15.3   | 15.2  | 15.1   | 15.0 | 14.9   | 14.8  | 14.6   | 14.5 | 14.4   | 14.2  |
| -77.5°  | 14.4  | 14.3   | 14.2  | 14.1   | 14.0 | 13.8   | 13.7  | 13.6   | 13.5 | 13.3   | 13.2  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 20°  | 21.25° | 22.5° | 23.75° | 25°  | 26.25° | 27.5° | 28.75° | 30°  | 31.25° | 32.5° |
|---------|------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|
| -78.75° | 13.2 | 13.2   | 13.1  | 13.0   | 12.9 | 12.8   | 12.7  | 12.5   | 12.4 | 12.2   | 12.0  |
| -80°    | 11.9 | 11.8   | 11.7  | 11.6   | 11.5 | 11.4   | 11.2  | 11.1   | 11.0 | 10.8   | 10.7  |
| -81.25° | 10.4 | 10.3   | 10.2  | 10.1   | 10.0 | 9.9    | 9.8   | 9.7    | 9.6  | 9.5    | 9.3   |
| -82.5°  | 8.9  | 8.8    | 8.8   | 8.7    | 8.6  | 8.5    | 8.4   | 8.3    | 8.2  | 8.1    | 8.0   |
| -83.75° | 7.4  | 7.4    | 7.3   | 7.2    | 7.1  | 7.1    | 7.0   | 6.9    | 6.8  | 6.7    | 6.6   |
| -85°    | 5.8  | 5.8    | 5.7   | 5.6    | 5.6  | 5.5    | 5.4   | 5.3    | 5.3  | 5.2    | 5.1   |
| -86.25° | 4.0  | 4.0    | 3.9   | 3.9    | 3.8  | 3.7    | 3.7   | 3.6    | 3.6  | 3.5    | 3.4   |
| -87.5°  | 2.3  | 2.2    | 2.2   | 2.2    | 2.2  | 2.2    | 2.1   | 2.1    | 2.1  | 2.1    | 2.0   |
| -88.75° | 1.1  | 1.1    | 1.1   | 1.1    | 1.1  | 1.1    | 1.1   | 1.1    | 1.0  | 1.0    | 1.0   |
| -90°    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 33.75° | 35°  | 36.25° | 37.5° | 38.75° | 40°  | 41.25° | 42.5° | 43.75° | 45°  | 46.25° |
|--------|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|
| 90°    | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    |
| 88.75° | 1.0    | 1.0  | 1.0    | 1.0   | 0.9    | 0.9  | 0.9    | 0.9   | 0.9    | 0.8  | 0.8    |
| 87.5°  | 2.0    | 2.0  | 1.9    | 1.9   | 1.9    | 1.8  | 1.8    | 1.8   | 1.7    | 1.7  | 1.7    |
| 86.25° | 3.4    | 3.3  | 3.2    | 3.1   | 3.1    | 3.0  | 2.9    | 2.8   | 2.7    | 2.6  | 2.5    |
| 85°    | 5.0    | 4.9  | 4.8    | 4.7   | 4.6    | 4.5  | 4.4    | 4.2   | 4.1    | 4.0  | 3.9    |
| 83.75° | 6.5    | 6.4  | 6.3    | 6.2   | 6.1    | 6.0  | 5.8    | 5.7   | 5.5    | 5.4  | 5.2    |
| 82.5°  | 7.9    | 7.8  | 7.6    | 7.5   | 7.4    | 7.2  | 7.1    | 7.0   | 6.8    | 6.7  | 6.5    |
| 81.25° | 9.2    | 9.1  | 8.9    | 8.8   | 8.6    | 8.5  | 8.3    | 8.1   | 8.0    | 7.8  | 7.6    |
| 80°    | 10.5   | 10.4 | 10.2   | 10.0  | 9.9    | 9.7  | 9.5    | 9.3   | 9.1    | 8.9  | 8.7    |
| 78.75° | 11.8   | 11.7 | 11.5   | 11.3  | 11.1   | 10.9 | 10.7   | 10.5  | 10.3   | 10.0 | 9.8    |
| 77.5°  | 13.1   | 12.9 | 12.8   | 12.6  | 12.3   | 12.1 | 11.9   | 11.7  | 11.4   | 11.2 | 10.9   |
| 76.25° | 14.0   | 13.9 | 13.7   | 13.5  | 13.4   | 13.2 | 13.0   | 12.8  | 12.6   | 12.3 | 12.0   |
| 75°    | 15.0   | 14.9 | 14.7   | 14.5  | 14.3   | 14.1 | 13.9   | 13.7  | 13.4   | 13.2 | 13.0   |
| 73.75° | 15.7   | 15.6 | 15.4   | 15.3  | 15.2   | 15.0 | 14.8   | 14.5  | 14.3   | 14.1 | 13.8   |
| 72.5°  | 16.4   | 16.2 | 16.1   | 15.9  | 15.8   | 15.6 | 15.5   | 15.3  | 15.1   | 14.9 | 14.6   |
| 71.25° | 17.3   | 17.0 | 16.7   | 16.6  | 16.4   | 16.2 | 16.1   | 15.9  | 15.7   | 15.5 | 15.3   |
| 70°    | 18.6   | 18.3 | 18.0   | 17.6  | 17.3   | 16.9 | 16.6   | 16.4  | 16.3   | 16.1 | 15.9   |
| 68.75° | 19.9   | 19.5 | 19.2   | 18.8  | 18.5   | 18.1 | 17.7   | 17.3  | 16.9   | 16.6 | 16.4   |
| 67.5°  | 21.8   | 21.3 | 20.7   | 20.1  | 19.6   | 19.2 | 18.8   | 18.4  | 18.0   | 17.6 | 17.1   |
| 66.25° | 23.8   | 23.2 | 22.6   | 22.0  | 21.3   | 20.7 | 20.0   | 19.5  | 19.1   | 18.6 | 18.2   |
| 65°    | 25.9   | 25.2 | 24.5   | 23.8  | 23.1   | 22.5 | 21.8   | 21.1  | 20.3   | 19.7 | 19.2   |
| 63.75° | 28.1   | 27.3 | 26.6   | 25.8  | 25.0   | 24.2 | 23.5   | 22.7  | 22.0   | 21.2 | 20.4   |
| 62.5°  | 30.3   | 29.5 | 28.7   | 27.9  | 27.0   | 26.2 | 25.3   | 24.4  | 23.6   | 22.8 | 22.0   |
| 61.25° | 32.8   | 31.9 | 30.9   | 30.0  | 29.1   | 28.2 | 27.2   | 26.3  | 25.3   | 24.4 | 23.5   |
| 60°    | 35.4   | 34.4 | 33.4   | 32.3  | 31.3   | 30.2 | 29.2   | 28.2  | 27.2   | 26.2 | 25.1   |
| 58.75° | 37.9   | 36.9 | 35.8   | 34.7  | 33.6   | 32.4 | 31.3   | 30.1  | 29.0   | 27.9 | 26.9   |
| 57.5°  | 40.4   | 39.3 | 38.2   | 37.1  | 35.9   | 34.7 | 33.5   | 32.2  | 31.0   | 29.7 | 28.6   |
| 56.25° | 42.8   | 41.7 | 40.6   | 39.4  | 38.2   | 37.0 | 35.7   | 34.4  | 33.1   | 31.7 | 30.3   |
| 55°    | 44.4   | 43.6 | 42.9   | 41.7  | 40.5   | 39.2 | 37.9   | 36.5  | 35.2   | 33.8 | 32.3   |
| 53.75° | 45.9   | 45.2 | 44.4   | 43.6  | 42.7   | 41.4 | 40.0   | 38.6  | 37.2   | 35.8 | 34.3   |
| 52.5°  | 47.6   | 46.7 | 45.8   | 45.0  | 44.2   | 43.3 | 42.1   | 40.7  | 39.2   | 37.8 | 36.2   |
| 51.25° | 49.4   | 48.4 | 47.4   | 46.4  | 45.6   | 44.6 | 43.7   | 42.8  | 41.2   | 39.7 | 38.1   |
| 50°    | 51.1   | 50.1 | 49.1   | 48.0  | 47.0   | 46.0 | 45.0   | 44.1  | 43.1   | 41.6 | 40.0   |
| 48.75° | 52.0   | 51.6 | 50.8   | 49.7  | 48.6   | 47.4 | 46.3   | 45.3  | 44.3   | 43.3 | 41.9   |
| 47.5°  | 52.6   | 52.2 | 51.8   | 51.3  | 50.2   | 49.0 | 47.8   | 46.6  | 45.5   | 44.5 | 43.4   |
| 46.25° | 53.1   | 52.8 | 52.4   | 52.0  | 51.6   | 50.5 | 49.3   | 48.0  | 46.7   | 45.6 | 44.5   |
| 45°    | 53.1   | 53.1 | 53.0   | 52.5  | 52.1   | 51.7 | 50.8   | 49.5  | 48.1   | 46.8 | 45.6   |
| 43.75° | 53.1   | 53.1 | 53.1   | 53.1  | 52.6   | 52.2 | 51.8   | 50.9  | 49.5   | 48.1 | 46.7   |
| 42.5°  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.7 | 52.2   | 51.8  | 50.9   | 49.5 | 48.0   |
| 41.25° | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.7   | 52.2  | 51.8   | 50.8 | 49.3   |
| 40°    | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.7  | 52.2   | 51.7 | 50.5   |
| 38.75° | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 52.6   | 52.1 | 51.6   |
| 37.5°  | 53.9   | 53.4 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.5 | 52.0   |
| 36.25° | 54.4   | 54.0 | 53.5   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.4   |
| 35°    | 55.1   | 54.5 | 54.0   | 53.4  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.8   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35°  | 36.25° | 37.5° | 38.75° | 40°  | 41.25° | 42.5° | 43.75° | 45°  | 46.25° |
|---------|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|
| 33.75°  | 55.9   | 55.1 | 54.4   | 53.9  | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| 32.5°   | 56.6   | 55.9 | 55.0   | 54.4  | 53.8   | 53.3 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| 31.25°  | 57.4   | 56.6 | 55.7   | 54.9  | 54.3   | 53.7 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| 30°     | 58.1   | 57.3 | 56.4   | 55.6  | 54.7   | 54.1 | 53.5   | 53.1  | 53.1   | 53.1 | 53.1   |
| 28.75°  | 58.8   | 58.0 | 57.1   | 56.2  | 55.3   | 54.5 | 53.9   | 53.3  | 53.1   | 53.1 | 53.1   |
| 27.5°   | 59.5   | 58.6 | 57.7   | 56.8  | 55.9   | 55.0 | 54.3   | 53.6  | 53.1   | 53.1 | 53.1   |
| 26.25°  | 60.2   | 59.3 | 58.4   | 57.4  | 56.5   | 55.6 | 54.6   | 54.0  | 53.3   | 53.1 | 53.1   |
| 25°     | 60.8   | 59.9 | 59.0   | 58.0  | 57.1   | 56.1 | 55.1   | 54.3  | 53.7   | 53.1 | 53.1   |
| 23.75°  | 61.4   | 60.5 | 59.6   | 58.6  | 57.6   | 56.6 | 55.6   | 54.7  | 54.0   | 53.3 | 53.1   |
| 22.5°   | 62.0   | 61.0 | 60.1   | 59.1  | 58.2   | 57.1 | 56.1   | 55.1  | 54.3   | 53.6 | 53.1   |
| 21.25°  | 62.6   | 61.6 | 60.6   | 59.7  | 58.7   | 57.6 | 56.6   | 55.6  | 54.6   | 53.9 | 53.2   |
| 20°     | 63.1   | 62.1 | 61.1   | 60.1  | 59.1   | 58.1 | 57.1   | 56.0  | 54.9   | 54.2 | 53.4   |
| 18.75°  | 63.7   | 62.6 | 61.6   | 60.6  | 59.6   | 58.5 | 57.5   | 56.4  | 55.3   | 54.4 | 53.7   |
| 17.5°   | 64.2   | 63.1 | 62.1   | 61.0  | 60.0   | 59.0 | 57.9   | 56.8  | 55.7   | 54.6 | 53.9   |
| 16.25°  | 65.1   | 63.6 | 62.5   | 61.4  | 60.4   | 59.4 | 58.3   | 57.2  | 56.1   | 54.9 | 54.1   |
| 15°     | 66.0   | 64.0 | 62.9   | 61.8  | 60.8   | 59.7 | 58.6   | 57.5  | 56.4   | 55.3 | 54.3   |
| 13.75°  | 66.8   | 64.6 | 63.3   | 62.2  | 61.1   | 60.0 | 58.9   | 57.8  | 56.7   | 55.5 | 54.5   |
| 12.5°   | 67.6   | 65.4 | 63.7   | 62.5  | 61.4   | 60.3 | 59.2   | 58.1  | 57.0   | 55.8 | 54.7   |
| 11.25°  | 68.3   | 66.0 | 64.0   | 62.8  | 61.7   | 60.6 | 59.5   | 58.4  | 57.2   | 56.1 | 54.9   |
| 10°     | 68.9   | 66.6 | 64.4   | 63.1  | 62.0   | 60.9 | 59.7   | 58.6  | 57.4   | 56.3 | 55.1   |
| 8.75°   | 70.4   | 67.2 | 64.9   | 63.4  | 62.2   | 61.1 | 60.0   | 58.8  | 57.6   | 56.5 | 55.3   |
| 7.5°    | 71.8   | 67.7 | 65.3   | 63.6  | 62.4   | 61.3 | 60.1   | 59.0  | 57.8   | 56.6 | 55.5   |
| 6.25°   | 73.0   | 68.1 | 65.7   | 63.8  | 62.6   | 61.4 | 60.3   | 59.1  | 58.0   | 56.8 | 55.6   |
| 5°      | 74.0   | 68.4 | 66.0   | 63.9  | 62.7   | 61.6 | 60.4   | 59.3  | 58.1   | 56.9 | 55.7   |
| 3.75°   | 74.8   | 68.7 | 66.3   | 64.0  | 62.9   | 61.7 | 60.5   | 59.4  | 58.2   | 57.0 | 55.8   |
| 2.5°    | 75.3   | 68.9 | 66.5   | 64.1  | 62.9   | 61.7 | 60.6   | 59.4  | 58.2   | 57.0 | 55.8   |
| 1.25°   | 75.6   | 69.0 | 66.6   | 64.2  | 63.0   | 61.8 | 60.6   | 59.5  | 58.3   | 57.1 | 55.9   |
| 0°      | 75.8   | 69.0 | 66.6   | 64.2  | 63.0   | 61.8 | 60.7   | 59.5  | 58.3   | 57.1 | 55.9   |
| -1.25°  | 75.6   | 69.0 | 66.6   | 64.2  | 63.0   | 61.8 | 60.6   | 59.5  | 58.3   | 57.1 | 55.9   |
| -2.5°   | 75.3   | 68.9 | 66.5   | 64.1  | 62.9   | 61.7 | 60.6   | 59.4  | 58.2   | 57.0 | 55.8   |
| -3.75°  | 74.8   | 68.7 | 66.3   | 64.0  | 62.9   | 61.7 | 60.5   | 59.4  | 58.2   | 57.0 | 55.8   |
| -5°     | 74.0   | 68.4 | 66.0   | 63.9  | 62.7   | 61.6 | 60.4   | 59.3  | 58.1   | 56.9 | 55.7   |
| -6.25°  | 73.0   | 68.1 | 65.7   | 63.8  | 62.6   | 61.4 | 60.3   | 59.1  | 58.0   | 56.8 | 55.6   |
| -7.5°   | 71.8   | 67.7 | 65.3   | 63.6  | 62.4   | 61.3 | 60.1   | 59.0  | 57.8   | 56.6 | 55.5   |
| -8.75°  | 70.4   | 67.2 | 64.9   | 63.4  | 62.2   | 61.1 | 60.0   | 58.8  | 57.6   | 56.5 | 55.3   |
| -10°    | 68.9   | 66.6 | 64.4   | 63.1  | 62.0   | 60.9 | 59.7   | 58.6  | 57.4   | 56.3 | 55.1   |
| -11.25° | 68.3   | 66.0 | 64.0   | 62.8  | 61.7   | 60.6 | 59.5   | 58.4  | 57.2   | 56.1 | 54.9   |
| -12.5°  | 67.6   | 65.4 | 63.7   | 62.5  | 61.4   | 60.3 | 59.2   | 58.1  | 57.0   | 55.8 | 54.7   |
| -13.75° | 66.8   | 64.6 | 63.3   | 62.2  | 61.1   | 60.0 | 58.9   | 57.8  | 56.7   | 55.5 | 54.5   |
| -15°    | 66.0   | 64.0 | 62.9   | 61.8  | 60.8   | 59.7 | 58.6   | 57.5  | 56.4   | 55.3 | 54.3   |
| -16.25° | 65.1   | 63.6 | 62.5   | 61.4  | 60.4   | 59.4 | 58.3   | 57.2  | 56.1   | 54.9 | 54.1   |
| -17.5°  | 64.2   | 63.1 | 62.1   | 61.0  | 60.0   | 59.0 | 57.9   | 56.8  | 55.7   | 54.6 | 53.9   |
| -18.75° | 63.7   | 62.6 | 61.6   | 60.6  | 59.6   | 58.5 | 57.5   | 56.4  | 55.3   | 54.4 | 53.7   |
| -20°    | 63.1   | 62.1 | 61.1   | 60.1  | 59.1   | 58.1 | 57.1   | 56.0  | 54.9   | 54.2 | 53.4   |
| -21.25° | 62.6   | 61.6 | 60.6   | 59.7  | 58.7   | 57.6 | 56.6   | 55.6  | 54.6   | 53.9 | 53.2   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35°  | 36.25° | 37.5° | 38.75° | 40°  | 41.25° | 42.5° | 43.75° | 45°  | 46.25° |
|---------|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|
| -22.5°  | 62.0   | 61.0 | 60.1   | 59.1  | 58.2   | 57.1 | 56.1   | 55.1  | 54.3   | 53.6 | 53.1   |
| -23.75° | 61.4   | 60.5 | 59.6   | 58.6  | 57.6   | 56.6 | 55.6   | 54.7  | 54.0   | 53.3 | 53.1   |
| -25°    | 60.8   | 59.9 | 59.0   | 58.0  | 57.1   | 56.1 | 55.1   | 54.3  | 53.7   | 53.1 | 53.1   |
| -26.25° | 60.2   | 59.3 | 58.4   | 57.4  | 56.5   | 55.6 | 54.6   | 54.0  | 53.3   | 53.1 | 53.1   |
| -27.5°  | 59.5   | 58.6 | 57.7   | 56.8  | 55.9   | 55.0 | 54.3   | 53.6  | 53.1   | 53.1 | 53.1   |
| -28.75° | 58.8   | 58.0 | 57.1   | 56.2  | 55.3   | 54.5 | 53.9   | 53.3  | 53.1   | 53.1 | 53.1   |
| -30°    | 58.1   | 57.3 | 56.4   | 55.6  | 54.7   | 54.1 | 53.5   | 53.1  | 53.1   | 53.1 | 53.1   |
| -31.25° | 57.4   | 56.6 | 55.7   | 54.9  | 54.3   | 53.7 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| -32.5°  | 56.6   | 55.9 | 55.0   | 54.4  | 53.8   | 53.3 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| -33.75° | 55.9   | 55.1 | 54.4   | 53.9  | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   |
| -35°    | 55.1   | 54.5 | 54.0   | 53.4  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.8   |
| -36.25° | 54.4   | 54.0 | 53.5   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.4   |
| -37.5°  | 53.9   | 53.4 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.5 | 52.0   |
| -38.75° | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 52.6   | 52.1 | 51.6   |
| -40°    | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 53.1   | 52.7  | 52.2   | 51.7 | 50.5   |
| -41.25° | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.7   | 52.2  | 51.8   | 50.8 | 49.3   |
| -42.5°  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.7   | 52.2  | 51.8   | 50.9 | 48.0   |
| -43.75° | 53.1   | 53.1 | 53.1   | 53.1  | 52.6   | 52.2 | 51.8   | 50.9  | 49.5   | 48.1 | 46.7   |
| -45°    | 53.1   | 53.1 | 53.0   | 52.5  | 52.1   | 51.7 | 50.8   | 49.5  | 48.1   | 46.8 | 45.6   |
| -46.25° | 53.1   | 52.8 | 52.4   | 52.0  | 51.6   | 50.5 | 49.3   | 48.0  | 46.7   | 45.6 | 44.5   |
| -47.5°  | 52.6   | 52.2 | 51.8   | 51.3  | 50.2   | 49.0 | 47.8   | 46.6  | 45.5   | 44.5 | 43.4   |
| -48.75° | 52.0   | 51.6 | 50.8   | 49.7  | 48.6   | 47.4 | 46.3   | 45.3  | 44.3   | 43.3 | 41.9   |
| -50°    | 51.1   | 50.1 | 49.1   | 48.0  | 47.0   | 46.0 | 45.0   | 44.1  | 43.1   | 41.6 | 40.0   |
| -51.25° | 49.4   | 48.4 | 47.4   | 46.4  | 45.6   | 44.6 | 43.7   | 42.8  | 41.2   | 39.7 | 38.1   |
| -52.5°  | 47.6   | 46.7 | 45.8   | 45.0  | 44.2   | 43.3 | 42.1   | 40.7  | 39.2   | 37.8 | 36.2   |
| -53.75° | 45.9   | 45.2 | 44.4   | 43.6  | 42.7   | 41.4 | 40.0   | 38.6  | 37.2   | 35.8 | 34.3   |
| -55°    | 44.4   | 43.6 | 42.9   | 41.7  | 40.5   | 39.2 | 37.9   | 36.5  | 35.2   | 33.8 | 32.3   |
| -56.25° | 42.8   | 41.7 | 40.6   | 39.4  | 38.2   | 37.0 | 35.7   | 34.4  | 33.1   | 31.7 | 30.3   |
| -57.5°  | 40.4   | 39.3 | 38.2   | 37.1  | 35.9   | 34.7 | 33.5   | 32.2  | 31.0   | 29.7 | 28.6   |
| -58.75° | 37.9   | 36.9 | 35.8   | 34.7  | 33.6   | 32.4 | 31.3   | 30.1  | 29.0   | 27.9 | 26.9   |
| -60°    | 35.4   | 34.4 | 33.4   | 32.3  | 31.3   | 30.2 | 29.2   | 28.2  | 27.2   | 26.2 | 25.1   |
| -61.25° | 32.8   | 31.9 | 30.9   | 30.0  | 29.1   | 28.2 | 27.2   | 26.3  | 25.3   | 24.4 | 23.5   |
| -62.5°  | 30.3   | 29.5 | 28.7   | 27.9  | 27.0   | 26.2 | 25.3   | 24.4  | 23.6   | 22.8 | 22.0   |
| -63.75° | 28.1   | 27.3 | 26.6   | 25.8  | 25.0   | 24.2 | 23.5   | 22.7  | 22.0   | 21.2 | 20.4   |
| -65°    | 25.9   | 25.2 | 24.5   | 23.8  | 23.1   | 22.5 | 21.8   | 21.1  | 20.3   | 19.7 | 19.2   |
| -66.25° | 23.8   | 23.2 | 22.6   | 22.0  | 21.3   | 20.7 | 20.0   | 19.5  | 19.1   | 18.6 | 18.2   |
| -67.5°  | 21.8   | 21.3 | 20.7   | 20.1  | 19.6   | 19.2 | 18.8   | 18.4  | 18.0   | 17.6 | 17.1   |
| -68.75° | 19.9   | 19.5 | 19.2   | 18.8  | 18.5   | 18.1 | 17.7   | 17.3  | 16.9   | 16.6 | 16.4   |
| -70°    | 18.6   | 18.3 | 18.0   | 17.6  | 17.3   | 16.9 | 16.6   | 16.4  | 16.3   | 16.1 | 15.9   |
| -71.25° | 17.3   | 17.0 | 16.7   | 16.6  | 16.4   | 16.2 | 16.1   | 15.9  | 15.7   | 15.5 | 15.3   |
| -72.5°  | 16.4   | 16.2 | 16.1   | 15.9  | 15.8   | 15.6 | 15.5   | 15.3  | 15.1   | 14.9 | 14.6   |
| -73.75° | 15.7   | 15.6 | 15.4   | 15.3  | 15.2   | 15.0 | 14.8   | 14.5  | 14.3   | 14.1 | 13.8   |
| -75°    | 15.0   | 14.9 | 14.7   | 14.5  | 14.3   | 14.1 | 13.9   | 13.7  | 13.4   | 13.2 | 13.0   |
| -76.25° | 14.0   | 13.9 | 13.7   | 13.5  | 13.4   | 13.2 | 13.0   | 12.8  | 12.6   | 12.3 | 12.0   |
| -77.5°  | 13.1   | 12.9 | 12.8   | 12.6  | 12.3   | 12.1 | 11.9   | 11.7  | 11.4   | 11.2 | 10.9   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35°  | 36.25° | 37.5° | 38.75° | 40°  | 41.25° | 42.5° | 43.75° | 45°  | 46.25° |
|---------|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|
| -78.75° | 11.8   | 11.7 | 11.5   | 11.3  | 11.1   | 10.9 | 10.7   | 10.5  | 10.3   | 10.0 | 9.8    |
| -80°    | 10.5   | 10.4 | 10.2   | 10.0  | 9.9    | 9.7  | 9.5    | 9.3   | 9.1    | 8.9  | 8.7    |
| -81.25° | 9.2    | 9.1  | 8.9    | 8.8   | 8.6    | 8.5  | 8.3    | 8.1   | 8.0    | 7.8  | 7.6    |
| -82.5°  | 7.9    | 7.8  | 7.6    | 7.5   | 7.4    | 7.2  | 7.1    | 7.0   | 6.8    | 6.7  | 6.5    |
| -83.75° | 6.5    | 6.4  | 6.3    | 6.2   | 6.1    | 6.0  | 5.8    | 5.7   | 5.5    | 5.4  | 5.2    |
| -85°    | 5.0    | 4.9  | 4.8    | 4.7   | 4.6    | 4.5  | 4.4    | 4.2   | 4.1    | 4.0  | 3.9    |
| -86.25° | 3.4    | 3.3  | 3.2    | 3.1   | 3.1    | 3.0  | 2.9    | 2.8   | 2.7    | 2.6  | 2.5    |
| -87.5°  | 2.0    | 2.0  | 1.9    | 1.9   | 1.9    | 1.8  | 1.8    | 1.8   | 1.7    | 1.7  | 1.7    |
| -88.75° | 1.0    | 1.0  | 1.0    | 1.0   | 0.9    | 0.9  | 0.9    | 0.9   | 0.9    | 0.8  | 0.8    |
| -90°    | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 48.75° | 50°  | 51.25° | 52.5° | 53.75° | 55°  | 56.25° | 57.5° | 58.75° | 60°  |
|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|------|
| 90°    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  |
| 88.75° | 0.8   | 0.8    | 0.8  | 0.8    | 0.7   | 0.7    | 0.7  | 0.7    | 0.6   | 0.6    | 0.6  |
| 87.5°  | 1.6   | 1.6    | 1.5  | 1.5    | 1.5   | 1.4    | 1.4  | 1.3    | 1.3   | 1.2    | 1.2  |
| 86.25° | 2.5   | 2.4    | 2.3  | 2.3    | 2.2   | 2.1    | 2.1  | 2.0    | 1.9   | 1.9    | 1.8  |
| 85°    | 3.8   | 3.6    | 3.5  | 3.4    | 3.2   | 3.1    | 3.0  | 2.8    | 2.7   | 2.5    | 2.4  |
| 83.75° | 5.1   | 4.9    | 4.8  | 4.6    | 4.4   | 4.3    | 4.1  | 3.9    | 3.7   | 3.6    | 3.4  |
| 82.5°  | 6.4   | 6.2    | 6.0  | 5.8    | 5.6   | 5.4    | 5.2  | 5.0    | 4.8   | 4.6    | 4.3  |
| 81.25° | 7.5   | 7.3    | 7.1  | 6.9    | 6.7   | 6.5    | 6.3  | 6.1    | 5.8   | 5.6    | 5.3  |
| 80°    | 8.5   | 8.3    | 8.1  | 7.9    | 7.7   | 7.4    | 7.2  | 7.0    | 6.8   | 6.5    | 6.3  |
| 78.75° | 9.6   | 9.4    | 9.1  | 8.9    | 8.6   | 8.4    | 8.1  | 7.9    | 7.6   | 7.3    | 7.1  |
| 77.5°  | 10.7  | 10.4   | 10.1 | 9.9    | 9.6   | 9.3    | 9.0  | 8.7    | 8.4   | 8.2    | 7.9  |
| 76.25° | 11.7  | 11.4   | 11.1 | 10.9   | 10.5  | 10.2   | 9.9  | 9.6    | 9.3   | 9.0    | 8.6  |
| 75°    | 12.8  | 12.5   | 12.2 | 11.8   | 11.5  | 11.2   | 10.8 | 10.5   | 10.1  | 9.8    | 9.4  |
| 73.75° | 13.6  | 13.3   | 13.0 | 12.8   | 12.5  | 12.1   | 11.7 | 11.3   | 11.0  | 10.6   | 10.2 |
| 72.5°  | 14.4  | 14.1   | 13.8 | 13.5   | 13.2  | 12.9   | 12.6 | 12.2   | 11.8  | 11.4   | 11.0 |
| 71.25° | 15.1  | 14.8   | 14.5 | 14.2   | 13.9  | 13.6   | 13.3 | 13.0   | 12.6  | 12.2   | 11.7 |
| 70°    | 15.7  | 15.4   | 15.2 | 15.0   | 14.6  | 14.3   | 14.0 | 13.6   | 13.3  | 12.9   | 12.5 |
| 68.75° | 16.2  | 15.9   | 15.7 | 15.5   | 15.3  | 15.0   | 14.6 | 14.3   | 13.9  | 13.5   | 13.1 |
| 67.5°  | 16.7  | 16.5   | 16.2 | 16.0   | 15.7  | 15.5   | 15.2 | 14.9   | 14.5  | 14.1   | 13.7 |
| 66.25° | 17.7  | 17.2   | 16.7 | 16.4   | 16.2  | 15.9   | 15.6 | 15.4   | 15.1  | 14.7   | 14.3 |
| 65°    | 18.7  | 18.2   | 17.6 | 17.1   | 16.6  | 16.4   | 16.1 | 15.8   | 15.5  | 15.2   | 14.8 |
| 63.75° | 19.7  | 19.1   | 18.6 | 18.0   | 17.5  | 16.9   | 16.5 | 16.2   | 15.9  | 15.6   | 15.3 |
| 62.5°  | 21.1  | 20.2   | 19.5 | 18.9   | 18.3  | 17.7   | 17.1 | 16.6   | 16.3  | 16.0   | 15.6 |
| 61.25° | 22.6  | 21.7   | 20.8 | 19.8   | 19.2  | 18.6   | 18.0 | 17.3   | 16.7  | 16.3   | 16.0 |
| 60°    | 24.1  | 23.2   | 22.2 | 21.2   | 20.2  | 19.4   | 18.8 | 18.1   | 17.4  | 16.7   | 16.4 |
| 58.75° | 25.7  | 24.6   | 23.6 | 22.6   | 21.5  | 20.5   | 19.6 | 18.9   | 18.2  | 17.5   | 16.7 |
| 57.5°  | 27.4  | 26.2   | 25.0 | 23.9   | 22.9  | 21.8   | 20.7 | 19.6   | 18.9  | 18.2   | 17.4 |
| 56.25° | 29.1  | 27.9   | 26.6 | 25.4   | 24.2  | 23.0   | 21.9 | 20.7   | 19.6  | 18.9   | 18.1 |
| 55°    | 30.9  | 29.5   | 28.2 | 26.9   | 25.6  | 24.3   | 23.1 | 21.9   | 20.7  | 19.6   | 18.8 |
| 53.75° | 32.8  | 31.2   | 29.7 | 28.4   | 27.0  | 25.6   | 24.3 | 23.0   | 21.8  | 20.5   | 19.4 |
| 52.5°  | 34.7  | 33.1   | 31.5 | 29.9   | 28.5  | 27.0   | 25.6 | 24.2   | 22.9  | 21.5   | 20.2 |
| 51.25° | 36.5  | 34.9   | 33.2 | 31.5   | 29.9  | 28.4   | 26.9 | 25.4   | 23.9  | 22.6   | 21.2 |
| 50°    | 38.4  | 36.7   | 35.0 | 33.2   | 31.5  | 29.7   | 28.2 | 26.6   | 25.0  | 23.6   | 22.2 |
| 48.75° | 40.2  | 38.4   | 36.7 | 34.9   | 33.1  | 31.2   | 29.5 | 27.9   | 26.2  | 24.6   | 23.2 |
| 47.5°  | 41.9  | 40.2   | 38.4 | 36.5   | 34.7  | 32.8   | 30.9 | 29.1   | 27.4  | 25.7   | 24.1 |
| 46.25° | 43.4  | 41.9   | 40.0 | 38.1   | 36.2  | 34.3   | 32.3 | 30.3   | 28.6  | 26.9   | 25.1 |
| 45°    | 44.5  | 43.3   | 41.6 | 39.7   | 37.8  | 35.8   | 33.8 | 31.7   | 29.7  | 27.9   | 26.2 |
| 43.75° | 45.5  | 44.3   | 43.1 | 41.2   | 39.2  | 37.2   | 35.2 | 33.1   | 31.0  | 29.0   | 27.2 |
| 42.5°  | 46.6  | 45.3   | 44.1 | 42.8   | 40.7  | 38.6   | 36.5 | 34.4   | 32.2  | 30.1   | 28.2 |
| 41.25° | 47.8  | 46.3   | 45.0 | 43.7   | 42.1  | 40.0   | 37.9 | 35.7   | 33.5  | 31.3   | 29.2 |
| 40°    | 49.0  | 47.4   | 46.0 | 44.6   | 43.3  | 41.4   | 39.2 | 37.0   | 34.7  | 32.4   | 30.2 |
| 38.75° | 50.2  | 48.6   | 47.0 | 45.6   | 44.2  | 42.7   | 40.5 | 38.2   | 35.9  | 33.6   | 31.3 |
| 37.5°  | 51.3  | 49.7   | 48.0 | 46.4   | 45.0  | 43.6   | 41.7 | 39.4   | 37.1  | 34.7   | 32.3 |
| 36.25° | 51.8  | 50.8   | 49.1 | 47.4   | 45.8  | 44.4   | 42.9 | 40.6   | 38.2  | 35.8   | 33.4 |
| 35°    | 52.2  | 51.6   | 50.1 | 48.4   | 46.7  | 45.2   | 43.6 | 41.7   | 39.3  | 36.9   | 34.4 |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 47.5° | 48.75° | 50°  | 51.25° | 52.5° | 53.75° | 55°  | 56.25° | 57.5° | 58.75° | 60°  |
|---------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|------|
| 33.75°  | 52.6  | 52.0   | 51.1 | 49.4   | 47.6  | 45.9   | 44.4 | 42.8   | 40.4  | 37.9   | 35.4 |
| 32.5°   | 52.9  | 52.3   | 51.7 | 50.3   | 48.5  | 46.7   | 45.1 | 43.5   | 41.4  | 38.9   | 36.4 |
| 31.25°  | 53.1  | 52.7   | 52.0 | 51.2   | 49.4  | 47.5   | 45.8 | 44.2   | 42.4  | 39.8   | 37.3 |
| 30°     | 53.1  | 53.0   | 52.3 | 51.7   | 50.2  | 48.3   | 46.5 | 44.8   | 43.2  | 40.8   | 38.2 |
| 28.75°  | 53.1  | 53.1   | 52.7 | 52.0   | 51.0  | 49.1   | 47.2 | 45.4   | 43.8  | 41.7   | 39.0 |
| 27.5°   | 53.1  | 53.1   | 52.9 | 52.3   | 51.6  | 49.9   | 47.9 | 46.0   | 44.3  | 42.5   | 39.8 |
| 26.25°  | 53.1  | 53.1   | 53.1 | 52.6   | 51.9  | 50.6   | 48.6 | 46.6   | 44.9  | 43.2   | 40.6 |
| 25°     | 53.1  | 53.1   | 53.1 | 52.8   | 52.1  | 51.3   | 49.3 | 47.2   | 45.4  | 43.7   | 41.4 |
| 23.75°  | 53.1  | 53.1   | 53.1 | 53.1   | 52.4  | 51.7   | 49.9 | 47.9   | 45.9  | 44.2   | 42.1 |
| 22.5°   | 53.1  | 53.1   | 53.1 | 53.1   | 52.6  | 51.9   | 50.6 | 48.5   | 46.4  | 44.6   | 42.8 |
| 21.25°  | 53.1  | 53.1   | 53.1 | 53.1   | 52.8  | 52.1   | 51.2 | 49.0   | 46.9  | 45.1   | 43.2 |
| 20°     | 53.1  | 53.1   | 53.1 | 53.1   | 53.0  | 52.3   | 51.6 | 49.6   | 47.4  | 45.5   | 43.6 |
| 18.75°  | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 52.5   | 51.8 | 50.1   | 47.9  | 45.9   | 44.0 |
| 17.5°   | 53.2  | 53.1   | 53.1 | 53.1   | 53.1  | 52.7   | 51.9 | 50.6   | 48.4  | 46.2   | 44.4 |
| 16.25°  | 53.4  | 53.1   | 53.1 | 53.1   | 53.1  | 52.8   | 52.1 | 51.0   | 48.8  | 46.6   | 44.7 |
| 15°     | 53.6  | 53.1   | 53.1 | 53.1   | 53.1  | 53.0   | 52.2 | 51.4   | 49.2  | 46.9   | 45.0 |
| 13.75°  | 53.7  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.4 | 51.6   | 49.5  | 47.3   | 45.3 |
| 12.5°   | 53.9  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.5 | 51.7   | 49.9  | 47.6   | 45.6 |
| 11.25°  | 54.1  | 53.3   | 53.1 | 53.1   | 53.1  | 53.1   | 52.6 | 51.8   | 50.2  | 47.9   | 45.8 |
| 10°     | 54.2  | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 52.7 | 51.9   | 50.5  | 48.2   | 46.0 |
| 8.75°   | 54.3  | 53.5   | 53.1 | 53.1   | 53.1  | 53.1   | 52.8 | 52.0   | 50.7  | 48.4   | 46.2 |
| 7.5°    | 54.4  | 53.6   | 53.1 | 53.1   | 53.1  | 53.1   | 52.9 | 52.1   | 50.9  | 48.6   | 46.3 |
| 6.25°   | 54.5  | 53.7   | 53.1 | 53.1   | 53.1  | 53.1   | 52.9 | 52.2   | 51.1  | 48.8   | 46.5 |
| 5°      | 54.6  | 53.8   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.2   | 51.2  | 48.9   | 46.6 |
| 3.75°   | 54.6  | 53.8   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.2   | 51.4  | 49.0   | 46.7 |
| 2.5°    | 54.7  | 53.9   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.3   | 51.4  | 49.1   | 46.7 |
| 1.25°   | 54.7  | 53.9   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.3   | 51.5  | 49.1   | 46.8 |
| 0°      | 54.7  | 53.9   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.3   | 51.5  | 49.2   | 46.8 |
| -1.25°  | 54.7  | 53.9   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.3   | 51.5  | 49.1   | 46.8 |
| -2.5°   | 54.7  | 53.9   | 53.1 | 53.1   | 53.1  | 53.1   | 53.1 | 52.3   | 51.4  | 49.1   | 46.7 |
| -3.75°  | 54.6  | 53.8   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.2   | 51.4  | 49.0   | 46.7 |
| -5°     | 54.6  | 53.8   | 53.1 | 53.1   | 53.1  | 53.1   | 53.0 | 52.2   | 51.2  | 48.9   | 46.6 |
| -6.25°  | 54.5  | 53.7   | 53.1 | 53.1   | 53.1  | 53.1   | 52.9 | 52.2   | 51.1  | 48.8   | 46.5 |
| -7.5°   | 54.4  | 53.6   | 53.1 | 53.1   | 53.1  | 53.1   | 52.9 | 52.1   | 50.9  | 48.6   | 46.3 |
| -8.75°  | 54.3  | 53.5   | 53.1 | 53.1   | 53.1  | 53.1   | 52.8 | 52.0   | 50.7  | 48.4   | 46.2 |
| -10°    | 54.2  | 53.4   | 53.1 | 53.1   | 53.1  | 53.1   | 52.7 | 51.9   | 50.5  | 48.2   | 46.0 |
| -11.25° | 54.1  | 53.3   | 53.1 | 53.1   | 53.1  | 53.1   | 52.6 | 51.8   | 50.2  | 47.9   | 45.8 |
| -12.5°  | 53.9  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.5 | 51.7   | 49.9  | 47.6   | 45.6 |
| -13.75° | 53.7  | 53.1   | 53.1 | 53.1   | 53.1  | 53.1   | 52.4 | 51.6   | 49.5  | 47.3   | 45.3 |
| -15°    | 53.6  | 53.1   | 53.1 | 53.1   | 53.1  | 53.0   | 52.2 | 51.4   | 49.2  | 46.9   | 45.0 |
| -16.25° | 53.4  | 53.1   | 53.1 | 53.1   | 53.1  | 52.8   | 52.1 | 51.0   | 48.8  | 46.6   | 44.7 |
| -17.5°  | 53.2  | 53.1   | 53.1 | 53.1   | 53.1  | 52.7   | 51.9 | 50.6   | 48.4  | 46.2   | 44.4 |
| -18.75° | 53.1  | 53.1   | 53.1 | 53.1   | 53.1  | 52.5   | 51.8 | 50.1   | 47.9  | 45.9   | 44.0 |
| -20°    | 53.1  | 53.1   | 53.1 | 53.1   | 53.0  | 52.3   | 51.6 | 49.6   | 47.4  | 45.5   | 43.6 |
| -21.25° | 53.1  | 53.1   | 53.1 | 53.1   | 52.8  | 52.1   | 51.2 | 49.0   | 46.9  | 45.1   | 43.2 |





REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 47.5° | 48.75° | 50°  | 51.25° | 52.5° | 53.75° | 55°  | 56.25° | 57.5° | 58.75° | 60°  |
|---------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|------|
| -22.5°  | 53.1  | 53.1   | 53.1 | 53.1   | 52.6  | 51.9   | 50.6 | 48.5   | 46.4  | 44.6   | 42.8 |
| -23.75° | 53.1  | 53.1   | 53.1 | 53.1   | 52.4  | 51.7   | 49.9 | 47.9   | 45.9  | 44.2   | 42.1 |
| -25°    | 53.1  | 53.1   | 53.1 | 52.8   | 52.1  | 51.3   | 49.3 | 47.2   | 45.4  | 43.7   | 41.4 |
| -26.25° | 53.1  | 53.1   | 53.1 | 52.6   | 51.9  | 50.6   | 48.6 | 46.6   | 44.9  | 43.2   | 40.6 |
| -27.5°  | 53.1  | 53.1   | 52.9 | 52.3   | 51.6  | 49.9   | 47.9 | 46.0   | 44.3  | 42.5   | 39.8 |
| -28.75° | 53.1  | 53.1   | 52.7 | 52.0   | 51.0  | 49.1   | 47.2 | 45.4   | 43.8  | 41.7   | 39.0 |
| -30°    | 53.1  | 53.0   | 52.3 | 51.7   | 50.2  | 48.3   | 46.5 | 44.8   | 43.2  | 40.8   | 38.2 |
| -31.25° | 53.1  | 52.7   | 52.0 | 51.2   | 49.4  | 47.5   | 45.8 | 44.2   | 42.4  | 39.8   | 37.3 |
| -32.5°  | 52.9  | 52.3   | 51.7 | 50.3   | 48.5  | 46.7   | 45.1 | 43.5   | 41.4  | 38.9   | 36.4 |
| -33.75° | 52.6  | 52.0   | 51.1 | 49.4   | 47.6  | 45.9   | 44.4 | 42.8   | 40.4  | 37.9   | 35.4 |
| -35°    | 52.2  | 51.6   | 50.1 | 48.4   | 46.7  | 45.2   | 43.6 | 41.7   | 39.3  | 36.9   | 34.4 |
| -36.25° | 51.8  | 50.8   | 49.1 | 47.4   | 45.8  | 44.4   | 42.9 | 40.6   | 38.2  | 35.8   | 33.4 |
| -37.5°  | 51.3  | 49.7   | 48.0 | 46.4   | 45.0  | 43.6   | 41.7 | 39.4   | 37.1  | 34.7   | 32.3 |
| -38.75° | 50.2  | 48.6   | 47.0 | 45.6   | 44.2  | 42.7   | 40.5 | 38.2   | 35.9  | 33.6   | 31.3 |
| -40°    | 49.0  | 47.4   | 46.0 | 44.6   | 43.3  | 41.4   | 39.2 | 37.0   | 34.7  | 32.4   | 30.2 |
| -41.25° | 47.8  | 46.3   | 45.0 | 43.7   | 42.1  | 40.0   | 37.9 | 35.7   | 33.5  | 31.3   | 29.2 |
| -42.5°  | 46.6  | 45.3   | 44.1 | 42.8   | 40.7  | 38.6   | 36.5 | 34.4   | 32.2  | 30.1   | 28.2 |
| -43.75° | 45.5  | 44.3   | 43.1 | 41.2   | 39.2  | 37.2   | 35.2 | 33.1   | 31.0  | 29.0   | 27.2 |
| -45°    | 44.5  | 43.3   | 41.6 | 39.7   | 37.8  | 35.8   | 33.8 | 31.7   | 29.7  | 27.9   | 26.2 |
| -46.25° | 43.4  | 41.9   | 40.0 | 38.1   | 36.2  | 34.3   | 32.3 | 30.3   | 28.6  | 26.9   | 25.1 |
| -47.5°  | 41.9  | 40.2   | 38.4 | 36.5   | 34.7  | 32.8   | 30.9 | 29.1   | 27.4  | 25.7   | 24.1 |
| -48.75° | 40.2  | 38.4   | 36.7 | 34.9   | 33.1  | 31.2   | 29.5 | 27.9   | 26.2  | 24.6   | 23.2 |
| -50°    | 38.4  | 36.7   | 35.0 | 33.2   | 31.5  | 29.7   | 28.2 | 26.6   | 25.0  | 23.6   | 22.2 |
| -51.25° | 36.5  | 34.9   | 33.2 | 31.5   | 29.9  | 28.4   | 26.9 | 25.4   | 23.9  | 22.6   | 21.2 |
| -52.5°  | 34.7  | 33.1   | 31.5 | 29.9   | 28.5  | 27.0   | 25.6 | 24.2   | 22.9  | 21.5   | 20.2 |
| -53.75° | 32.8  | 31.2   | 29.7 | 28.4   | 27.0  | 25.6   | 24.3 | 23.0   | 21.8  | 20.5   | 19.4 |
| -55°    | 30.9  | 29.5   | 28.2 | 26.9   | 25.6  | 24.3   | 23.1 | 21.9   | 20.7  | 19.6   | 18.8 |
| -56.25° | 29.1  | 27.9   | 26.6 | 25.4   | 24.2  | 23.0   | 21.9 | 20.7   | 19.6  | 18.9   | 18.1 |
| -57.5°  | 27.4  | 26.2   | 25.0 | 23.9   | 22.9  | 21.8   | 20.7 | 19.6   | 18.9  | 18.2   | 17.4 |
| -58.75° | 25.7  | 24.6   | 23.6 | 22.6   | 21.5  | 20.5   | 19.6 | 18.9   | 18.2  | 17.5   | 16.7 |
| -60°    | 24.1  | 23.2   | 22.2 | 21.2   | 20.2  | 19.4   | 18.8 | 18.1   | 17.4  | 16.7   | 16.4 |
| -61.25° | 22.6  | 21.7   | 20.8 | 19.8   | 19.2  | 18.6   | 18.0 | 17.3   | 16.7  | 16.3   | 16.0 |
| -62.5°  | 21.1  | 20.2   | 19.5 | 18.9   | 18.3  | 17.7   | 17.1 | 16.6   | 16.3  | 16.0   | 15.6 |
| -63.75° | 19.7  | 19.1   | 18.6 | 18.0   | 17.5  | 16.9   | 16.5 | 16.2   | 15.9  | 15.6   | 15.3 |
| -65°    | 18.7  | 18.2   | 17.6 | 17.1   | 16.6  | 16.4   | 16.1 | 15.8   | 15.5  | 15.2   | 14.8 |
| -66.25° | 17.7  | 17.2   | 16.7 | 16.4   | 16.2  | 15.9   | 15.6 | 15.4   | 15.1  | 14.7   | 14.3 |
| -67.5°  | 16.7  | 16.5   | 16.2 | 16.0   | 15.7  | 15.5   | 15.2 | 14.9   | 14.5  | 14.1   | 13.7 |
| -68.75° | 16.2  | 15.9   | 15.7 | 15.5   | 15.3  | 15.0   | 14.6 | 14.3   | 13.9  | 13.5   | 13.1 |
| -70°    | 15.7  | 15.4   | 15.2 | 15.0   | 14.6  | 14.3   | 14.0 | 13.6   | 13.3  | 12.9   | 12.5 |
| -71.25° | 15.1  | 14.8   | 14.5 | 14.2   | 13.9  | 13.6   | 13.3 | 13.0   | 12.6  | 12.2   | 11.7 |
| -72.5°  | 14.4  | 14.1   | 13.8 | 13.5   | 13.2  | 12.9   | 12.6 | 12.2   | 11.8  | 11.4   | 11.0 |
| -73.75° | 13.6  | 13.3   | 13.0 | 12.8   | 12.5  | 12.1   | 11.7 | 11.3   | 11.0  | 10.6   | 10.2 |
| -75°    | 12.8  | 12.5   | 12.2 | 11.8   | 11.5  | 11.2   | 10.8 | 10.5   | 10.1  | 9.8    | 9.4  |
| -76.25° | 11.7  | 11.4   | 11.1 | 10.9   | 10.5  | 10.2   | 9.9  | 9.6    | 9.3   | 9.0    | 8.6  |
| -77.5°  | 10.7  | 10.4   | 10.1 | 9.9    | 9.6   | 9.3    | 9.0  | 8.7    | 8.4   | 8.2    | 7.9  |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 47.5° | 48.75° | 50° | 51.25° | 52.5° | 53.75° | 55° | 56.25° | 57.5° | 58.75° | 60° |
|---------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|
| -78.75° | 9.6   | 9.4    | 9.1 | 8.9    | 8.6   | 8.4    | 8.1 | 7.9    | 7.6   | 7.3    | 7.1 |
| -80°    | 8.5   | 8.3    | 8.1 | 7.9    | 7.7   | 7.4    | 7.2 | 7.0    | 6.8   | 6.5    | 6.3 |
| -81.25° | 7.5   | 7.3    | 7.1 | 6.9    | 6.7   | 6.5    | 6.3 | 6.1    | 5.8   | 5.6    | 5.3 |
| -82.5°  | 6.4   | 6.2    | 6.0 | 5.8    | 5.6   | 5.4    | 5.2 | 5.0    | 4.8   | 4.6    | 4.3 |
| -83.75° | 5.1   | 4.9    | 4.8 | 4.6    | 4.4   | 4.3    | 4.1 | 3.9    | 3.7   | 3.6    | 3.4 |
| -85°    | 3.8   | 3.6    | 3.5 | 3.4    | 3.2   | 3.1    | 3.0 | 2.8    | 2.7   | 2.5    | 2.4 |
| -86.25° | 2.5   | 2.4    | 2.3 | 2.3    | 2.2   | 2.1    | 2.1 | 2.0    | 1.9   | 1.9    | 1.8 |
| -87.5°  | 1.6   | 1.6    | 1.5 | 1.5    | 1.5   | 1.4    | 1.4 | 1.3    | 1.3   | 1.2    | 1.2 |
| -88.75° | 0.8   | 0.8    | 0.8 | 0.8    | 0.7   | 0.7    | 0.7 | 0.7    | 0.6   | 0.6    | 0.6 |
| -90°    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   | 0.0    | 0.0 |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 61.25° | 62.5° | 63.75° | 65°  | 66.25° | 67.5° | 68.75° | 70°  | 71.25° | 72.5° | 73.75° |
|--------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|
| 90°    | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    |
| 88.75° | 0.6    | 0.6   | 0.5    | 0.5  | 0.5    | 0.5   | 0.4    | 0.4  | 0.4    | 0.4   | 0.3    |
| 87.5°  | 1.2    | 1.1   | 1.1    | 1.0  | 1.0    | 0.9   | 0.9    | 0.8  | 0.8    | 0.7   | 0.7    |
| 86.25° | 1.7    | 1.7   | 1.6    | 1.5  | 1.4    | 1.4   | 1.3    | 1.2  | 1.2    | 1.1   | 1.0    |
| 85°    | 2.3    | 2.2   | 2.1    | 2.0  | 1.9    | 1.8   | 1.7    | 1.6  | 1.5    | 1.4   | 1.3    |
| 83.75° | 3.2    | 3.0   | 2.8    | 2.6  | 2.4    | 2.3   | 2.2    | 2.0  | 1.9    | 1.8   | 1.7    |
| 82.5°  | 4.1    | 3.9   | 3.7    | 3.4  | 3.2    | 3.0   | 2.7    | 2.5  | 2.3    | 2.2   | 2.0    |
| 81.25° | 5.0    | 4.8   | 4.5    | 4.3  | 4.0    | 3.7   | 3.4    | 3.2  | 2.9    | 2.6   | 2.3    |
| 80°    | 6.0    | 5.7   | 5.4    | 5.1  | 4.8    | 4.4   | 4.1    | 3.8  | 3.5    | 3.2   | 2.8    |
| 78.75° | 6.8    | 6.5   | 6.2    | 5.9  | 5.5    | 5.2   | 4.8    | 4.5  | 4.1    | 3.7   | 3.4    |
| 77.5°  | 7.5    | 7.2   | 6.9    | 6.6  | 6.3    | 5.9   | 5.5    | 5.1  | 4.7    | 4.3   | 3.9    |
| 76.25° | 8.3    | 8.0   | 7.6    | 7.3  | 6.9    | 6.6   | 6.2    | 5.8  | 5.3    | 4.9   | 4.4    |
| 75°    | 9.1    | 8.7   | 8.3    | 7.9  | 7.6    | 7.2   | 6.8    | 6.4  | 5.9    | 5.5   | 5.0    |
| 73.75° | 9.8    | 9.4   | 9.0    | 8.6  | 8.2    | 7.8   | 7.4    | 6.9  | 6.5    | 6.0   | 5.5    |
| 72.5°  | 10.5   | 10.1  | 9.7    | 9.2  | 8.8    | 8.4   | 7.9    | 7.5  | 7.0    | 6.5   | 6.0    |
| 71.25° | 11.3   | 10.8  | 10.4   | 9.9  | 9.4    | 8.9   | 8.5    | 8.0  | 7.5    | 7.0   | 6.5    |
| 70°    | 12.0   | 11.5  | 11.0   | 10.5 | 10.0   | 9.5   | 9.0    | 8.5  | 8.0    | 7.5   | 6.9    |
| 68.75° | 12.7   | 12.2  | 11.7   | 11.2 | 10.6   | 10.1  | 9.6    | 9.0  | 8.5    | 7.9   | 7.4    |
| 67.5°  | 13.3   | 12.9  | 12.4   | 11.8 | 11.2   | 10.7  | 10.1   | 9.5  | 8.9    | 8.4   | 7.8    |
| 66.25° | 13.8   | 13.4  | 13.0   | 12.4 | 11.8   | 11.2  | 10.6   | 10.0 | 9.4    | 8.8   | 8.2    |
| 65°    | 14.4   | 13.9  | 13.4   | 13.0 | 12.4   | 11.8  | 11.2   | 10.5 | 9.9    | 9.2   | 8.6    |
| 63.75° | 14.9   | 14.4  | 13.9   | 13.4 | 13.0   | 12.4  | 11.7   | 11.0 | 10.4   | 9.7   | 9.0    |
| 62.5°  | 15.3   | 14.9  | 14.4   | 13.9 | 13.4   | 12.9  | 12.2   | 11.5 | 10.8   | 10.1  | 9.4    |
| 61.25° | 15.7   | 15.3  | 14.9   | 14.4 | 13.8   | 13.3  | 12.7   | 12.0 | 11.3   | 10.5  | 9.8    |
| 60°    | 16.0   | 15.6  | 15.3   | 14.8 | 14.3   | 13.7  | 13.1   | 12.5 | 11.7   | 11.0  | 10.2   |
| 58.75° | 16.3   | 16.0  | 15.6   | 15.2 | 14.7   | 14.1  | 13.5   | 12.9 | 12.2   | 11.4  | 10.6   |
| 57.5°  | 16.7   | 16.3  | 15.9   | 15.5 | 15.1   | 14.5  | 13.9   | 13.3 | 12.6   | 11.8  | 11.0   |
| 56.25° | 17.3   | 16.6  | 16.2   | 15.8 | 15.4   | 14.9  | 14.3   | 13.6 | 13.0   | 12.2  | 11.3   |
| 55°    | 18.0   | 17.1  | 16.5   | 16.1 | 15.6   | 15.2  | 14.6   | 14.0 | 13.3   | 12.6  | 11.7   |
| 53.75° | 18.6   | 17.7  | 16.9   | 16.4 | 15.9   | 15.5  | 15.0   | 14.3 | 13.6   | 12.9  | 12.1   |
| 52.5°  | 19.2   | 18.3  | 17.5   | 16.6 | 16.2   | 15.7  | 15.3   | 14.6 | 13.9   | 13.2  | 12.5   |
| 51.25° | 19.8   | 18.9  | 18.0   | 17.1 | 16.4   | 16.0  | 15.5   | 15.0 | 14.2   | 13.5  | 12.8   |
| 50°    | 20.8   | 19.5  | 18.6   | 17.6 | 16.7   | 16.2  | 15.7   | 15.2 | 14.5   | 13.8  | 13.0   |
| 48.75° | 21.7   | 20.2  | 19.1   | 18.2 | 17.2   | 16.5  | 15.9   | 15.4 | 14.8   | 14.1  | 13.3   |
| 47.5°  | 22.6   | 21.1  | 19.7   | 18.7 | 17.7   | 16.7  | 16.2   | 15.7 | 15.1   | 14.4  | 13.6   |
| 46.25° | 23.5   | 22.0  | 20.4   | 19.2 | 18.2   | 17.1  | 16.4   | 15.9 | 15.3   | 14.6  | 13.8   |
| 45°    | 24.4   | 22.8  | 21.2   | 19.7 | 18.6   | 17.6  | 16.6   | 16.1 | 15.5   | 14.9  | 14.1   |
| 43.75° | 25.3   | 23.6  | 22.0   | 20.3 | 19.1   | 18.0  | 16.9   | 16.3 | 15.7   | 15.1  | 14.3   |
| 42.5°  | 26.3   | 24.4  | 22.7   | 21.1 | 19.5   | 18.4  | 17.3   | 16.4 | 15.9   | 15.3  | 14.5   |
| 41.25° | 27.2   | 25.3  | 23.5   | 21.8 | 20.0   | 18.8  | 17.7   | 16.6 | 16.1   | 15.5  | 14.8   |
| 40°    | 28.2   | 26.2  | 24.2   | 22.5 | 20.7   | 19.2  | 18.1   | 16.9 | 16.2   | 15.6  | 15.0   |
| 38.75° | 29.1   | 27.0  | 25.0   | 23.1 | 21.3   | 19.6  | 18.5   | 17.3 | 16.4   | 15.8  | 15.2   |
| 37.5°  | 30.0   | 27.9  | 25.8   | 23.8 | 22.0   | 20.1  | 18.8   | 17.6 | 16.6   | 15.9  | 15.3   |
| 36.25° | 30.9   | 28.7  | 26.6   | 24.5 | 22.6   | 20.7  | 19.2   | 18.0 | 16.7   | 16.1  | 15.4   |
| 35°    | 31.9   | 29.5  | 27.3   | 25.2 | 23.2   | 21.3  | 19.5   | 18.3 | 17.0   | 16.2  | 15.6   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 61.25° | 62.5° | 63.75° | 65°  | 66.25° | 67.5° | 68.75° | 70°  | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|
| 33.75°  | 32.8   | 30.3  | 28.1   | 25.9 | 23.8   | 21.8  | 19.9   | 18.6 | 17.3   | 16.4  | 15.7   |
| 32.5°   | 33.8   | 31.2  | 28.8   | 26.5 | 24.3   | 22.4  | 20.4   | 18.9 | 17.6   | 16.5  | 15.8   |
| 31.25°  | 34.7   | 32.0  | 29.5   | 27.2 | 24.9   | 22.9  | 20.9   | 19.2 | 17.9   | 16.6  | 16.0   |
| 30°     | 35.5   | 32.8  | 30.2   | 27.8 | 25.5   | 23.4  | 21.3   | 19.5 | 18.1   | 16.8  | 16.1   |
| 28.75°  | 36.4   | 33.6  | 30.9   | 28.4 | 26.1   | 23.8  | 21.8   | 19.7 | 18.4   | 17.1  | 16.2   |
| 27.5°   | 37.1   | 34.4  | 31.6   | 29.0 | 26.6   | 24.3  | 22.2   | 20.1 | 18.6   | 17.3  | 16.3   |
| 26.25°  | 37.9   | 35.1  | 32.3   | 29.6 | 27.2   | 24.8  | 22.6   | 20.5 | 18.9   | 17.5  | 16.4   |
| 25°     | 38.6   | 35.8  | 33.0   | 30.2 | 27.7   | 25.2  | 23.0   | 20.9 | 19.1   | 17.7  | 16.5   |
| 23.75°  | 39.3   | 36.5  | 33.6   | 30.8 | 28.2   | 25.7  | 23.4   | 21.2 | 19.3   | 17.9  | 16.6   |
| 22.5°   | 40.0   | 37.1  | 34.2   | 31.3 | 28.7   | 26.2  | 23.8   | 21.6 | 19.5   | 18.1  | 16.7   |
| 21.25°  | 40.6   | 37.7  | 34.8   | 31.9 | 29.1   | 26.6  | 24.1   | 21.9 | 19.7   | 18.3  | 16.8   |
| 20°     | 41.2   | 38.3  | 35.4   | 32.4 | 29.5   | 27.0  | 24.4   | 22.2 | 20.0   | 18.5  | 17.0   |
| 18.75°  | 41.8   | 38.8  | 35.9   | 32.9 | 29.9   | 27.3  | 24.8   | 22.5 | 20.2   | 18.6  | 17.2   |
| 17.5°   | 42.3   | 39.3  | 36.4   | 33.3 | 30.3   | 27.7  | 25.1   | 22.8 | 20.5   | 18.8  | 17.3   |
| 16.25°  | 42.8   | 39.8  | 36.8   | 33.8 | 30.7   | 28.0  | 25.4   | 23.0 | 20.7   | 18.9  | 17.4   |
| 15°     | 43.1   | 40.3  | 37.2   | 34.2 | 31.1   | 28.3  | 25.7   | 23.2 | 20.9   | 19.0  | 17.5   |
| 13.75°  | 43.4   | 40.7  | 37.6   | 34.5 | 31.5   | 28.6  | 25.9   | 23.5 | 21.1   | 19.2  | 17.7   |
| 12.5°   | 43.6   | 41.0  | 38.0   | 34.9 | 31.8   | 28.9  | 26.2   | 23.7 | 21.3   | 19.3  | 17.8   |
| 11.25°  | 43.8   | 41.4  | 38.3   | 35.2 | 32.1   | 29.1  | 26.4   | 23.8 | 21.5   | 19.4  | 17.9   |
| 10°     | 44.0   | 41.7  | 38.6   | 35.5 | 32.3   | 29.3  | 26.6   | 24.0 | 21.6   | 19.5  | 17.9   |
| 8.75°   | 44.2   | 41.9  | 38.8   | 35.7 | 32.5   | 29.5  | 26.8   | 24.1 | 21.8   | 19.5  | 18.0   |
| 7.5°    | 44.4   | 42.2  | 39.0   | 35.9 | 32.7   | 29.7  | 26.9   | 24.3 | 21.9   | 19.6  | 18.1   |
| 6.25°   | 44.5   | 42.4  | 39.2   | 36.1 | 32.9   | 29.8  | 27.1   | 24.4 | 22.0   | 19.7  | 18.1   |
| 5°      | 44.6   | 42.5  | 39.4   | 36.2 | 33.1   | 29.9  | 27.2   | 24.4 | 22.1   | 19.7  | 18.2   |
| 3.75°   | 44.7   | 42.6  | 39.5   | 36.4 | 33.2   | 30.0  | 27.2   | 24.5 | 22.1   | 19.8  | 18.2   |
| 2.5°    | 44.8   | 42.7  | 39.6   | 36.4 | 33.2   | 30.1  | 27.3   | 24.6 | 22.2   | 19.8  | 18.2   |
| 1.25°   | 44.8   | 42.8  | 39.6   | 36.5 | 33.3   | 30.1  | 27.3   | 24.6 | 22.2   | 19.8  | 18.2   |
| 0°      | 44.8   | 42.8  | 39.7   | 36.5 | 33.3   | 30.1  | 27.4   | 24.6 | 22.2   | 19.8  | 18.3   |
| -1.25°  | 44.8   | 42.8  | 39.6   | 36.5 | 33.3   | 30.1  | 27.3   | 24.6 | 22.2   | 19.8  | 18.2   |
| -2.5°   | 44.8   | 42.7  | 39.6   | 36.4 | 33.2   | 30.1  | 27.3   | 24.6 | 22.2   | 19.8  | 18.2   |
| -3.75°  | 44.7   | 42.6  | 39.5   | 36.4 | 33.2   | 30.0  | 27.2   | 24.5 | 22.1   | 19.8  | 18.2   |
| -5°     | 44.6   | 42.5  | 39.4   | 36.2 | 33.1   | 29.9  | 27.2   | 24.4 | 22.1   | 19.7  | 18.2   |
| -6.25°  | 44.5   | 42.4  | 39.2   | 36.1 | 32.9   | 29.8  | 27.1   | 24.4 | 22.0   | 19.7  | 18.1   |
| -7.5°   | 44.4   | 42.2  | 39.0   | 35.9 | 32.7   | 29.7  | 26.9   | 24.3 | 21.9   | 19.6  | 18.1   |
| -8.75°  | 44.2   | 41.9  | 38.8   | 35.7 | 32.5   | 29.5  | 26.8   | 24.1 | 21.8   | 19.5  | 18.0   |
| -10°    | 44.0   | 41.7  | 38.6   | 35.5 | 32.3   | 29.3  | 26.6   | 24.0 | 21.6   | 19.5  | 17.9   |
| -11.25° | 43.8   | 41.4  | 38.3   | 35.2 | 32.1   | 29.1  | 26.4   | 23.8 | 21.5   | 19.4  | 17.9   |
| -12.5°  | 43.6   | 41.0  | 38.0   | 34.9 | 31.8   | 28.9  | 26.2   | 23.7 | 21.3   | 19.3  | 17.8   |
| -13.75° | 43.4   | 40.7  | 37.6   | 34.5 | 31.5   | 28.6  | 25.9   | 23.5 | 21.1   | 19.2  | 17.7   |
| -15°    | 43.1   | 40.3  | 37.2   | 34.2 | 31.1   | 28.3  | 25.7   | 23.2 | 20.9   | 19.0  | 17.5   |
| -16.25° | 42.8   | 39.8  | 36.8   | 33.8 | 30.7   | 28.0  | 25.4   | 23.0 | 20.7   | 18.9  | 17.4   |
| -17.5°  | 42.3   | 39.3  | 36.4   | 33.3 | 30.3   | 27.7  | 25.1   | 22.8 | 20.5   | 18.8  | 17.3   |
| -18.75° | 41.8   | 38.8  | 35.9   | 32.9 | 29.9   | 27.3  | 24.8   | 22.5 | 20.2   | 18.6  | 17.2   |
| -20°    | 41.2   | 38.3  | 35.4   | 32.4 | 29.5   | 27.0  | 24.4   | 22.2 | 20.0   | 18.5  | 17.0   |
| -21.25° | 40.6   | 37.7  | 34.8   | 31.9 | 29.1   | 26.6  | 24.1   | 21.9 | 19.7   | 18.3  | 16.8   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 61.25° | 62.5° | 63.75° | 65°  | 66.25° | 67.5° | 68.75° | 70°  | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|
| -22.5°  | 40.0   | 37.1  | 34.2   | 31.3 | 28.7   | 26.2  | 23.8   | 21.6 | 19.5   | 18.1  | 16.7   |
| -23.75° | 39.3   | 36.5  | 33.6   | 30.8 | 28.2   | 25.7  | 23.4   | 21.2 | 19.3   | 17.9  | 16.6   |
| -25°    | 38.6   | 35.8  | 33.0   | 30.2 | 27.7   | 25.2  | 23.0   | 20.9 | 19.1   | 17.7  | 16.5   |
| -26.25° | 37.9   | 35.1  | 32.3   | 29.6 | 27.2   | 24.8  | 22.6   | 20.5 | 18.9   | 17.5  | 16.4   |
| -27.5°  | 37.1   | 34.4  | 31.6   | 29.0 | 26.6   | 24.3  | 22.2   | 20.1 | 18.6   | 17.3  | 16.3   |
| -28.75° | 36.4   | 33.6  | 30.9   | 28.4 | 26.1   | 23.8  | 21.8   | 19.7 | 18.4   | 17.1  | 16.2   |
| -30°    | 35.5   | 32.8  | 30.2   | 27.8 | 25.5   | 23.4  | 21.3   | 19.5 | 18.1   | 16.8  | 16.1   |
| -31.25° | 34.7   | 32.0  | 29.5   | 27.2 | 24.9   | 22.9  | 20.9   | 19.2 | 17.9   | 16.6  | 16.0   |
| -32.5°  | 33.8   | 31.2  | 28.8   | 26.5 | 24.3   | 22.4  | 20.4   | 18.9 | 17.6   | 16.5  | 15.8   |
| -33.75° | 32.8   | 30.3  | 28.1   | 25.9 | 23.8   | 21.8  | 19.9   | 18.6 | 17.3   | 16.4  | 15.7   |
| -35°    | 31.9   | 29.5  | 27.3   | 25.2 | 23.2   | 21.3  | 19.5   | 18.3 | 17.0   | 16.2  | 15.6   |
| -36.25° | 30.9   | 28.7  | 26.6   | 24.5 | 22.6   | 20.7  | 19.2   | 18.0 | 16.7   | 16.1  | 15.4   |
| -37.5°  | 30.0   | 27.9  | 25.8   | 23.8 | 22.0   | 20.1  | 18.8   | 17.6 | 16.6   | 15.9  | 15.3   |
| -38.75° | 29.1   | 27.0  | 25.0   | 23.1 | 21.3   | 19.6  | 18.5   | 17.3 | 16.4   | 15.8  | 15.2   |
| -40°    | 28.2   | 26.2  | 24.2   | 22.5 | 20.7   | 19.2  | 18.1   | 16.9 | 16.2   | 15.6  | 15.0   |
| -41.25° | 27.2   | 25.3  | 23.5   | 21.8 | 20.0   | 18.8  | 17.7   | 16.6 | 16.1   | 15.5  | 14.8   |
| -42.5°  | 26.3   | 24.4  | 22.7   | 21.1 | 19.5   | 18.4  | 17.3   | 16.4 | 15.9   | 15.3  | 14.5   |
| -43.75° | 25.3   | 23.6  | 22.0   | 20.3 | 19.1   | 18.0  | 16.9   | 16.3 | 15.7   | 15.1  | 14.3   |
| -45°    | 24.4   | 22.8  | 21.2   | 19.7 | 18.6   | 17.6  | 16.6   | 16.1 | 15.5   | 14.9  | 14.1   |
| -46.25° | 23.5   | 22.0  | 20.4   | 19.2 | 18.2   | 17.1  | 16.4   | 15.9 | 15.3   | 14.6  | 13.8   |
| -47.5°  | 22.6   | 21.1  | 19.7   | 18.7 | 17.7   | 16.7  | 16.2   | 15.7 | 15.1   | 14.4  | 13.6   |
| -48.75° | 21.7   | 20.2  | 19.1   | 18.2 | 17.2   | 16.5  | 15.9   | 15.4 | 14.8   | 14.1  | 13.3   |
| -50°    | 20.8   | 19.5  | 18.6   | 17.6 | 16.7   | 16.2  | 15.7   | 15.2 | 14.5   | 13.8  | 13.0   |
| -51.25° | 19.8   | 18.9  | 18.0   | 17.1 | 16.4   | 16.0  | 15.5   | 15.0 | 14.2   | 13.5  | 12.8   |
| -52.5°  | 19.2   | 18.3  | 17.5   | 16.6 | 16.2   | 15.7  | 15.3   | 14.6 | 13.9   | 13.2  | 12.5   |
| -53.75° | 18.6   | 17.7  | 16.9   | 16.4 | 15.9   | 15.5  | 15.0   | 14.3 | 13.6   | 12.9  | 12.1   |
| -55°    | 18.0   | 17.1  | 16.5   | 16.1 | 15.6   | 15.2  | 14.6   | 14.0 | 13.3   | 12.6  | 11.7   |
| -56.25° | 17.3   | 16.6  | 16.2   | 15.8 | 15.4   | 14.9  | 14.3   | 13.6 | 13.0   | 12.2  | 11.3   |
| -57.5°  | 16.7   | 16.3  | 15.9   | 15.5 | 15.1   | 14.5  | 13.9   | 13.3 | 12.6   | 11.8  | 11.0   |
| -58.75° | 16.3   | 16.0  | 15.6   | 15.2 | 14.7   | 14.1  | 13.5   | 12.9 | 12.2   | 11.4  | 10.6   |
| -60°    | 16.0   | 15.6  | 15.3   | 14.8 | 14.3   | 13.7  | 13.1   | 12.5 | 11.7   | 11.0  | 10.2   |
| -61.25° | 15.7   | 15.3  | 14.9   | 14.4 | 13.8   | 13.3  | 12.7   | 12.0 | 11.3   | 10.5  | 9.8    |
| -62.5°  | 15.3   | 14.9  | 14.4   | 13.9 | 13.4   | 12.9  | 12.2   | 11.5 | 10.8   | 10.1  | 9.4    |
| -63.75° | 14.9   | 14.4  | 13.9   | 13.4 | 13.0   | 12.4  | 11.7   | 11.0 | 10.4   | 9.7   | 9.0    |
| -65°    | 14.4   | 13.9  | 13.4   | 13.0 | 12.4   | 11.8  | 11.2   | 10.5 | 9.9    | 9.2   | 8.6    |
| -66.25° | 13.8   | 13.4  | 13.0   | 12.4 | 11.8   | 11.2  | 10.6   | 10.0 | 9.4    | 8.8   | 8.2    |
| -67.5°  | 13.3   | 12.9  | 12.4   | 11.8 | 11.2   | 10.7  | 10.1   | 9.5  | 8.9    | 8.4   | 7.8    |
| -68.75° | 12.7   | 12.2  | 11.7   | 11.2 | 10.6   | 10.1  | 9.6    | 9.0  | 8.5    | 7.9   | 7.4    |
| -70°    | 12.0   | 11.5  | 11.0   | 10.5 | 10.0   | 9.5   | 9.0    | 8.5  | 8.0    | 7.5   | 6.9    |
| -71.25° | 11.3   | 10.8  | 10.4   | 9.9  | 9.4    | 8.9   | 8.5    | 8.0  | 7.5    | 7.0   | 6.5    |
| -72.5°  | 10.5   | 10.1  | 9.7    | 9.2  | 8.8    | 8.4   | 7.9    | 7.5  | 7.0    | 6.5   | 6.0    |
| -73.75° | 9.8    | 9.4   | 9.0    | 8.6  | 8.2    | 7.8   | 7.4    | 6.9  | 6.5    | 6.0   | 5.5    |
| -75°    | 9.1    | 8.7   | 8.3    | 7.9  | 7.6    | 7.2   | 6.8    | 6.4  | 5.9    | 5.5   | 5.0    |
| -76.25° | 8.3    | 8.0   | 7.6    | 7.3  | 6.9    | 6.6   | 6.2    | 5.8  | 5.3    | 4.9   | 4.4    |
| -77.5°  | 7.5    | 7.2   | 6.9    | 6.6  | 6.3    | 5.9   | 5.5    | 5.1  | 4.7    | 4.3   | 3.9    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 61.25° | 62.5° | 63.75° | 65° | 66.25° | 67.5° | 68.75° | 70° | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|
| -78.75° | 6.8    | 6.5   | 6.2    | 5.9 | 5.5    | 5.2   | 4.8    | 4.5 | 4.1    | 3.7   | 3.4    |
| -80°    | 6.0    | 5.7   | 5.4    | 5.1 | 4.8    | 4.4   | 4.1    | 3.8 | 3.5    | 3.2   | 2.8    |
| -81.25° | 5.0    | 4.8   | 4.5    | 4.3 | 4.0    | 3.7   | 3.4    | 3.2 | 2.9    | 2.6   | 2.3    |
| -82.5°  | 4.1    | 3.9   | 3.7    | 3.4 | 3.2    | 3.0   | 2.7    | 2.5 | 2.3    | 2.2   | 2.0    |
| -83.75° | 3.2    | 3.0   | 2.8    | 2.6 | 2.4    | 2.3   | 2.2    | 2.0 | 1.9    | 1.8   | 1.7    |
| -85°    | 2.3    | 2.2   | 2.1    | 2.0 | 1.9    | 1.8   | 1.7    | 1.6 | 1.5    | 1.4   | 1.3    |
| -86.25° | 1.7    | 1.7   | 1.6    | 1.5 | 1.4    | 1.4   | 1.3    | 1.2 | 1.2    | 1.1   | 1.0    |
| -87.5°  | 1.2    | 1.1   | 1.1    | 1.0 | 1.0    | 0.9   | 0.9    | 0.8 | 0.8    | 0.7   | 0.7    |
| -88.75° | 0.6    | 0.6   | 0.5    | 0.5 | 0.5    | 0.5   | 0.4    | 0.4 | 0.4    | 0.4   | 0.3    |
| -90°    | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   | 0.0    |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 75°  | 76.25° | 77.5° | 78.75° | 80°  | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|--------|------|--------|-------|--------|------|--------|-------|--------|-----|--------|-------|
| 90°    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   |
| 88.75° | 0.3  | 0.3    | 0.3   | 0.2    | 0.2  | 0.2    | 0.2   | 0.1    | 0.1 | 0.1    | 0.1   |
| 87.5°  | 0.6  | 0.6    | 0.5   | 0.5    | 0.4  | 0.4    | 0.3   | 0.3    | 0.2 | 0.2    | 0.1   |
| 86.25° | 0.9  | 0.9    | 0.8   | 0.7    | 0.6  | 0.5    | 0.5   | 0.4    | 0.3 | 0.2    | 0.2   |
| 85°    | 1.2  | 1.1    | 1.0   | 0.9    | 0.8  | 0.7    | 0.6   | 0.5    | 0.4 | 0.3    | 0.2   |
| 83.75° | 1.6  | 1.4    | 1.3   | 1.2    | 1.0  | 0.9    | 0.8   | 0.7    | 0.5 | 0.4    | 0.3   |
| 82.5°  | 1.9  | 1.7    | 1.6   | 1.4    | 1.2  | 1.1    | 0.9   | 0.8    | 0.6 | 0.5    | 0.3   |
| 81.25° | 2.2  | 2.0    | 1.8   | 1.6    | 1.5  | 1.3    | 1.1   | 0.9    | 0.7 | 0.5    | 0.4   |
| 80°    | 2.5  | 2.3    | 2.1   | 1.9    | 1.7  | 1.5    | 1.2   | 1.0    | 0.8 | 0.6    | 0.4   |
| 78.75° | 3.0  | 2.6    | 2.3   | 2.1    | 1.9  | 1.6    | 1.4   | 1.2    | 0.9 | 0.7    | 0.5   |
| 77.5°  | 3.5  | 3.1    | 2.7   | 2.3    | 2.1  | 1.8    | 1.6   | 1.3    | 1.0 | 0.8    | 0.5   |
| 76.25° | 4.0  | 3.6    | 3.1   | 2.6    | 2.3  | 2.0    | 1.7   | 1.4    | 1.1 | 0.9    | 0.6   |
| 75°    | 4.5  | 4.0    | 3.5   | 3.0    | 2.5  | 2.2    | 1.9   | 1.6    | 1.2 | 0.9    | 0.6   |
| 73.75° | 5.0  | 4.4    | 3.9   | 3.4    | 2.8  | 2.3    | 2.0   | 1.7    | 1.3 | 1.0    | 0.7   |
| 72.5°  | 5.5  | 4.9    | 4.3   | 3.7    | 3.2  | 2.6    | 2.2   | 1.8    | 1.4 | 1.1    | 0.7   |
| 71.25° | 5.9  | 5.3    | 4.7   | 4.1    | 3.5  | 2.9    | 2.3   | 1.9    | 1.5 | 1.2    | 0.8   |
| 70°    | 6.4  | 5.8    | 5.1   | 4.5    | 3.8  | 3.2    | 2.5   | 2.0    | 1.6 | 1.2    | 0.8   |
| 68.75° | 6.8  | 6.2    | 5.5   | 4.8    | 4.1  | 3.4    | 2.7   | 2.2    | 1.7 | 1.3    | 0.9   |
| 67.5°  | 7.2  | 6.6    | 5.9   | 5.2    | 4.4  | 3.7    | 3.0   | 2.3    | 1.8 | 1.4    | 0.9   |
| 66.25° | 7.6  | 6.9    | 6.3   | 5.5    | 4.8  | 4.0    | 3.2   | 2.4    | 1.9 | 1.4    | 1.0   |
| 65°    | 7.9  | 7.3    | 6.6   | 5.9    | 5.1  | 4.3    | 3.4   | 2.6    | 2.0 | 1.5    | 1.0   |
| 63.75° | 8.3  | 7.6    | 6.9   | 6.2    | 5.4  | 4.5    | 3.7   | 2.8    | 2.1 | 1.6    | 1.1   |
| 62.5°  | 8.7  | 8.0    | 7.2   | 6.5    | 5.7  | 4.8    | 3.9   | 3.0    | 2.2 | 1.7    | 1.1   |
| 61.25° | 9.1  | 8.3    | 7.5   | 6.8    | 6.0  | 5.0    | 4.1   | 3.2    | 2.3 | 1.7    | 1.2   |
| 60°    | 9.4  | 8.6    | 7.9   | 7.1    | 6.3  | 5.3    | 4.3   | 3.4    | 2.4 | 1.8    | 1.2   |
| 58.75° | 9.8  | 9.0    | 8.2   | 7.3    | 6.5  | 5.6    | 4.6   | 3.6    | 2.5 | 1.9    | 1.2   |
| 57.5°  | 10.1 | 9.3    | 8.4   | 7.6    | 6.8  | 5.8    | 4.8   | 3.7    | 2.7 | 1.9    | 1.3   |
| 56.25° | 10.5 | 9.6    | 8.7   | 7.9    | 7.0  | 6.1    | 5.0   | 3.9    | 2.8 | 2.0    | 1.3   |
| 55°    | 10.8 | 9.9    | 9.0   | 8.1    | 7.2  | 6.3    | 5.2   | 4.1    | 3.0 | 2.1    | 1.4   |
| 53.75° | 11.2 | 10.2   | 9.3   | 8.4    | 7.4  | 6.5    | 5.4   | 4.3    | 3.1 | 2.1    | 1.4   |
| 52.5°  | 11.5 | 10.5   | 9.6   | 8.6    | 7.7  | 6.7    | 5.6   | 4.4    | 3.2 | 2.2    | 1.5   |
| 51.25° | 11.8 | 10.9   | 9.9   | 8.9    | 7.9  | 6.9    | 5.8   | 4.6    | 3.4 | 2.3    | 1.5   |
| 50°    | 12.2 | 11.1   | 10.1  | 9.1    | 8.1  | 7.1    | 6.0   | 4.8    | 3.5 | 2.3    | 1.5   |
| 48.75° | 12.5 | 11.4   | 10.4  | 9.4    | 8.3  | 7.3    | 6.2   | 4.9    | 3.6 | 2.4    | 1.6   |
| 47.5°  | 12.8 | 11.7   | 10.7  | 9.6    | 8.5  | 7.5    | 6.4   | 5.1    | 3.8 | 2.5    | 1.6   |
| 46.25° | 13.0 | 12.0   | 10.9  | 9.8    | 8.7  | 7.6    | 6.5   | 5.2    | 3.9 | 2.5    | 1.7   |
| 45°    | 13.2 | 12.3   | 11.2  | 10.0   | 8.9  | 7.8    | 6.7   | 5.4    | 4.0 | 2.6    | 1.7   |
| 43.75° | 13.4 | 12.6   | 11.4  | 10.3   | 9.1  | 8.0    | 6.8   | 5.5    | 4.1 | 2.7    | 1.7   |
| 42.5°  | 13.7 | 12.8   | 11.7  | 10.5   | 9.3  | 8.1    | 7.0   | 5.7    | 4.2 | 2.8    | 1.8   |
| 41.25° | 13.9 | 13.0   | 11.9  | 10.7   | 9.5  | 8.3    | 7.1   | 5.8    | 4.4 | 2.9    | 1.8   |
| 40°    | 14.1 | 13.2   | 12.1  | 10.9   | 9.7  | 8.5    | 7.2   | 6.0    | 4.5 | 3.0    | 1.8   |
| 38.75° | 14.3 | 13.4   | 12.3  | 11.1   | 9.9  | 8.6    | 7.4   | 6.1    | 4.6 | 3.1    | 1.9   |
| 37.5°  | 14.5 | 13.5   | 12.6  | 11.3   | 10.0 | 8.8    | 7.5   | 6.2    | 4.7 | 3.1    | 1.9   |
| 36.25° | 14.7 | 13.7   | 12.8  | 11.5   | 10.2 | 8.9    | 7.6   | 6.3    | 4.8 | 3.2    | 1.9   |
| 35°    | 14.9 | 13.9   | 12.9  | 11.7   | 10.4 | 9.1    | 7.8   | 6.4    | 4.9 | 3.3    | 2.0   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 75°  | 76.25° | 77.5° | 78.75° | 80°  | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|------|--------|-------|--------|------|--------|-------|--------|-----|--------|-------|
| 33.75°  | 15.0 | 14.0   | 13.1  | 11.8   | 10.5 | 9.2    | 7.9   | 6.5    | 5.0 | 3.4    | 2.0   |
| 32.5°   | 15.2 | 14.2   | 13.2  | 12.0   | 10.7 | 9.3    | 8.0   | 6.6    | 5.1 | 3.4    | 2.0   |
| 31.25°  | 15.3 | 14.4   | 13.3  | 12.2   | 10.8 | 9.5    | 8.1   | 6.7    | 5.2 | 3.5    | 2.1   |
| 30°     | 15.4 | 14.5   | 13.5  | 12.4   | 11.0 | 9.6    | 8.2   | 6.8    | 5.3 | 3.6    | 2.1   |
| 28.75°  | 15.5 | 14.6   | 13.6  | 12.5   | 11.1 | 9.7    | 8.3   | 6.9    | 5.3 | 3.6    | 2.1   |
| 27.5°   | 15.6 | 14.8   | 13.7  | 12.7   | 11.2 | 9.8    | 8.4   | 7.0    | 5.4 | 3.7    | 2.1   |
| 26.25°  | 15.7 | 14.9   | 13.8  | 12.8   | 11.4 | 9.9    | 8.5   | 7.1    | 5.5 | 3.7    | 2.2   |
| 25°     | 15.8 | 15.0   | 14.0  | 12.9   | 11.5 | 10.0   | 8.6   | 7.1    | 5.6 | 3.8    | 2.2   |
| 23.75°  | 15.9 | 15.1   | 14.1  | 13.0   | 11.6 | 10.1   | 8.7   | 7.2    | 5.6 | 3.9    | 2.2   |
| 22.5°   | 16.0 | 15.2   | 14.2  | 13.1   | 11.7 | 10.2   | 8.8   | 7.3    | 5.7 | 3.9    | 2.2   |
| 21.25°  | 16.0 | 15.3   | 14.3  | 13.2   | 11.8 | 10.3   | 8.8   | 7.4    | 5.8 | 4.0    | 2.2   |
| 20°     | 16.1 | 15.4   | 14.4  | 13.2   | 11.9 | 10.4   | 8.9   | 7.4    | 5.8 | 4.0    | 2.3   |
| 18.75°  | 16.2 | 15.4   | 14.5  | 13.3   | 12.0 | 10.5   | 9.0   | 7.5    | 5.9 | 4.0    | 2.3   |
| 17.5°   | 16.2 | 15.5   | 14.5  | 13.4   | 12.1 | 10.6   | 9.1   | 7.5    | 5.9 | 4.1    | 2.3   |
| 16.25°  | 16.3 | 15.5   | 14.6  | 13.5   | 12.2 | 10.6   | 9.1   | 7.6    | 6.0 | 4.1    | 2.3   |
| 15°     | 16.4 | 15.6   | 14.7  | 13.5   | 12.3 | 10.7   | 9.2   | 7.6    | 6.0 | 4.2    | 2.3   |
| 13.75°  | 16.4 | 15.6   | 14.8  | 13.6   | 12.3 | 10.8   | 9.2   | 7.7    | 6.1 | 4.2    | 2.3   |
| 12.5°   | 16.5 | 15.7   | 14.8  | 13.6   | 12.4 | 10.8   | 9.3   | 7.7    | 6.1 | 4.2    | 2.3   |
| 11.25°  | 16.5 | 15.7   | 14.9  | 13.7   | 12.5 | 10.9   | 9.3   | 7.7    | 6.1 | 4.2    | 2.4   |
| 10°     | 16.6 | 15.8   | 14.9  | 13.7   | 12.5 | 10.9   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| 8.75°   | 16.6 | 15.8   | 15.0  | 13.8   | 12.5 | 11.0   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| 7.5°    | 16.6 | 15.8   | 15.0  | 13.8   | 12.6 | 11.0   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| 6.25°   | 16.6 | 15.8   | 15.0  | 13.8   | 12.6 | 11.0   | 9.4   | 7.9    | 6.3 | 4.3    | 2.4   |
| 5°      | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| 3.75°   | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| 2.5°    | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| 1.25°   | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| 0°      | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| -1.25°  | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| -2.5°   | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| -3.75°  | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| -5°     | 16.7 | 15.9   | 15.1  | 13.9   | 12.7 | 11.1   | 9.5   | 7.9    | 6.3 | 4.3    | 2.4   |
| -6.25°  | 16.6 | 15.8   | 15.0  | 13.8   | 12.6 | 11.0   | 9.4   | 7.9    | 6.3 | 4.3    | 2.4   |
| -7.5°   | 16.6 | 15.8   | 15.0  | 13.8   | 12.6 | 11.0   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| -8.75°  | 16.6 | 15.8   | 15.0  | 13.8   | 12.5 | 11.0   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| -10°    | 16.6 | 15.8   | 14.9  | 13.7   | 12.5 | 10.9   | 9.4   | 7.8    | 6.2 | 4.3    | 2.4   |
| -11.25° | 16.5 | 15.7   | 14.9  | 13.7   | 12.5 | 10.9   | 9.3   | 7.7    | 6.1 | 4.2    | 2.4   |
| -12.5°  | 16.5 | 15.7   | 14.8  | 13.6   | 12.4 | 10.8   | 9.3   | 7.7    | 6.1 | 4.2    | 2.3   |
| -13.75° | 16.4 | 15.6   | 14.8  | 13.6   | 12.3 | 10.8   | 9.2   | 7.7    | 6.1 | 4.2    | 2.3   |
| -15°    | 16.4 | 15.6   | 14.7  | 13.5   | 12.3 | 10.7   | 9.2   | 7.6    | 6.0 | 4.2    | 2.3   |
| -16.25° | 16.3 | 15.5   | 14.6  | 13.5   | 12.2 | 10.6   | 9.1   | 7.6    | 6.0 | 4.1    | 2.3   |
| -17.5°  | 16.2 | 15.5   | 14.5  | 13.4   | 12.1 | 10.6   | 9.1   | 7.5    | 5.9 | 4.1    | 2.3   |
| -18.75° | 16.2 | 15.4   | 14.5  | 13.3   | 12.0 | 10.5   | 9.0   | 7.5    | 5.9 | 4.0    | 2.3   |
| -20°    | 16.1 | 15.4   | 14.4  | 13.2   | 11.9 | 10.4   | 8.9   | 7.4    | 5.8 | 4.0    | 2.3   |
| -21.25° | 16.0 | 15.3   | 14.3  | 13.2   | 11.8 | 10.3   | 8.8   | 7.4    | 5.8 | 4.0    | 2.2   |





REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 75°  | 76.25° | 77.5° | 78.75° | 80°  | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|------|--------|-------|--------|------|--------|-------|--------|-----|--------|-------|
| -22.5°  | 16.0 | 15.2   | 14.2  | 13.1   | 11.7 | 10.2   | 8.8   | 7.3    | 5.7 | 3.9    | 2.2   |
| -23.75° | 15.9 | 15.1   | 14.1  | 13.0   | 11.6 | 10.1   | 8.7   | 7.2    | 5.6 | 3.9    | 2.2   |
| -25°    | 15.8 | 15.0   | 14.0  | 12.9   | 11.5 | 10.0   | 8.6   | 7.1    | 5.6 | 3.8    | 2.2   |
| -26.25° | 15.7 | 14.9   | 13.8  | 12.8   | 11.4 | 9.9    | 8.5   | 7.1    | 5.5 | 3.7    | 2.2   |
| -27.5°  | 15.6 | 14.8   | 13.7  | 12.7   | 11.2 | 9.8    | 8.4   | 7.0    | 5.4 | 3.7    | 2.1   |
| -28.75° | 15.5 | 14.6   | 13.6  | 12.5   | 11.1 | 9.7    | 8.3   | 6.9    | 5.3 | 3.6    | 2.1   |
| -30°    | 15.4 | 14.5   | 13.5  | 12.4   | 11.0 | 9.6    | 8.2   | 6.8    | 5.3 | 3.6    | 2.1   |
| -31.25° | 15.3 | 14.4   | 13.3  | 12.2   | 10.8 | 9.5    | 8.1   | 6.7    | 5.2 | 3.5    | 2.1   |
| -32.5°  | 15.2 | 14.2   | 13.2  | 12.0   | 10.7 | 9.3    | 8.0   | 6.6    | 5.1 | 3.4    | 2.0   |
| -33.75° | 15.0 | 14.0   | 13.1  | 11.8   | 10.5 | 9.2    | 7.9   | 6.5    | 5.0 | 3.4    | 2.0   |
| -35°    | 14.9 | 13.9   | 12.9  | 11.7   | 10.4 | 9.1    | 7.8   | 6.4    | 4.9 | 3.3    | 2.0   |
| -36.25° | 14.7 | 13.7   | 12.8  | 11.5   | 10.2 | 8.9    | 7.6   | 6.3    | 4.8 | 3.2    | 1.9   |
| -37.5°  | 14.5 | 13.5   | 12.6  | 11.3   | 10.0 | 8.8    | 7.5   | 6.2    | 4.7 | 3.1    | 1.9   |
| -38.75° | 14.3 | 13.4   | 12.3  | 11.1   | 9.9  | 8.6    | 7.4   | 6.1    | 4.6 | 3.1    | 1.9   |
| -40°    | 14.1 | 13.2   | 12.1  | 10.9   | 9.7  | 8.5    | 7.2   | 6.0    | 4.5 | 3.0    | 1.8   |
| -41.25° | 13.9 | 13.0   | 11.9  | 10.7   | 9.5  | 8.3    | 7.1   | 5.8    | 4.4 | 2.9    | 1.8   |
| -42.5°  | 13.7 | 12.8   | 11.7  | 10.5   | 9.3  | 8.1    | 7.0   | 5.7    | 4.2 | 2.8    | 1.8   |
| -43.75° | 13.4 | 12.6   | 11.4  | 10.3   | 9.1  | 8.0    | 6.8   | 5.5    | 4.1 | 2.7    | 1.7   |
| -45°    | 13.2 | 12.3   | 11.2  | 10.0   | 8.9  | 7.8    | 6.7   | 5.4    | 4.0 | 2.6    | 1.7   |
| -46.25° | 13.0 | 12.0   | 10.9  | 9.8    | 8.7  | 7.6    | 6.5   | 5.2    | 3.9 | 2.5    | 1.7   |
| -47.5°  | 12.8 | 11.7   | 10.7  | 9.6    | 8.5  | 7.5    | 6.4   | 5.1    | 3.8 | 2.5    | 1.6   |
| -48.75° | 12.5 | 11.4   | 10.4  | 9.4    | 8.3  | 7.3    | 6.2   | 4.9    | 3.6 | 2.4    | 1.6   |
| -50°    | 12.2 | 11.1   | 10.1  | 9.1    | 8.1  | 7.1    | 6.0   | 4.8    | 3.5 | 2.3    | 1.5   |
| -51.25° | 11.8 | 10.9   | 9.9   | 8.9    | 7.9  | 6.9    | 5.8   | 4.6    | 3.4 | 2.3    | 1.5   |
| -52.5°  | 11.5 | 10.5   | 9.6   | 8.6    | 7.7  | 6.7    | 5.6   | 4.4    | 3.2 | 2.2    | 1.5   |
| -53.75° | 11.2 | 10.2   | 9.3   | 8.4    | 7.4  | 6.5    | 5.4   | 4.3    | 3.1 | 2.1    | 1.4   |
| -55°    | 10.8 | 9.9    | 9.0   | 8.1    | 7.2  | 6.3    | 5.2   | 4.1    | 3.0 | 2.1    | 1.4   |
| -56.25° | 10.5 | 9.6    | 8.7   | 7.9    | 7.0  | 6.1    | 5.0   | 3.9    | 2.8 | 2.0    | 1.3   |
| -57.5°  | 10.1 | 9.3    | 8.4   | 7.6    | 6.8  | 5.8    | 4.8   | 3.7    | 2.7 | 1.9    | 1.3   |
| -58.75° | 9.8  | 9.0    | 8.2   | 7.3    | 6.5  | 5.6    | 4.6   | 3.6    | 2.5 | 1.9    | 1.2   |
| -60°    | 9.4  | 8.6    | 7.9   | 7.1    | 6.3  | 5.3    | 4.3   | 3.4    | 2.4 | 1.8    | 1.2   |
| -61.25° | 9.1  | 8.3    | 7.5   | 6.8    | 6.0  | 5.0    | 4.1   | 3.2    | 2.3 | 1.7    | 1.2   |
| -62.5°  | 8.7  | 8.0    | 7.2   | 6.5    | 5.7  | 4.8    | 3.9   | 3.0    | 2.2 | 1.7    | 1.1   |
| -63.75° | 8.3  | 7.6    | 6.9   | 6.2    | 5.4  | 4.5    | 3.7   | 2.8    | 2.1 | 1.6    | 1.1   |
| -65°    | 7.9  | 7.3    | 6.6   | 5.9    | 5.1  | 4.3    | 3.4   | 2.6    | 2.0 | 1.5    | 1.0   |
| -66.25° | 7.6  | 6.9    | 6.3   | 5.5    | 4.8  | 4.0    | 3.2   | 2.4    | 1.9 | 1.4    | 1.0   |
| -67.5°  | 7.2  | 6.6    | 5.9   | 5.2    | 4.4  | 3.7    | 3.0   | 2.3    | 1.8 | 1.4    | 0.9   |
| -68.75° | 6.8  | 6.2    | 5.5   | 4.8    | 4.1  | 3.4    | 2.7   | 2.2    | 1.7 | 1.3    | 0.9   |
| -70°    | 6.4  | 5.8    | 5.1   | 4.5    | 3.8  | 3.2    | 2.5   | 2.0    | 1.6 | 1.2    | 0.8   |
| -71.25° | 5.9  | 5.3    | 4.7   | 4.1    | 3.5  | 2.9    | 2.3   | 1.9    | 1.5 | 1.2    | 0.8   |
| -72.5°  | 5.5  | 4.9    | 4.3   | 3.7    | 3.2  | 2.6    | 2.2   | 1.8    | 1.4 | 1.1    | 0.7   |
| -73.75° | 5.0  | 4.4    | 3.9   | 3.4    | 2.8  | 2.3    | 2.0   | 1.7    | 1.3 | 1.0    | 0.7   |
| -75°    | 4.5  | 4.0    | 3.5   | 3.0    | 2.5  | 2.2    | 1.9   | 1.6    | 1.2 | 0.9    | 0.6   |
| -76.25° | 4.0  | 3.6    | 3.1   | 2.6    | 2.3  | 2.0    | 1.7   | 1.4    | 1.1 | 0.9    | 0.6   |
| -77.5°  | 3.5  | 3.1    | 2.7   | 2.3    | 2.1  | 1.8    | 1.6   | 1.3    | 1.0 | 0.8    | 0.5   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|         | 75° | 76.25° | 77.5° | 78.75° | 80° | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -78.75° | 3.0 | 2.6    | 2.3   | 2.1    | 1.9 | 1.6    | 1.4   | 1.2    | 0.9 | 0.7    | 0.5   |
| -80°    | 2.5 | 2.3    | 2.1   | 1.9    | 1.7 | 1.5    | 1.2   | 1.0    | 0.8 | 0.6    | 0.4   |
| -81.25° | 2.2 | 2.0    | 1.8   | 1.6    | 1.5 | 1.3    | 1.1   | 0.9    | 0.7 | 0.5    | 0.4   |
| -82.5°  | 1.9 | 1.7    | 1.6   | 1.4    | 1.2 | 1.1    | 0.9   | 0.8    | 0.6 | 0.5    | 0.3   |
| -83.75° | 1.6 | 1.4    | 1.3   | 1.2    | 1.0 | 0.9    | 0.8   | 0.7    | 0.5 | 0.4    | 0.3   |
| -85°    | 1.2 | 1.1    | 1.0   | 0.9    | 0.8 | 0.7    | 0.6   | 0.5    | 0.4 | 0.3    | 0.2   |
| -86.25° | 0.9 | 0.9    | 0.8   | 0.7    | 0.6 | 0.5    | 0.5   | 0.4    | 0.3 | 0.2    | 0.2   |
| -87.5°  | 0.6 | 0.6    | 0.5   | 0.5    | 0.4 | 0.4    | 0.3   | 0.3    | 0.2 | 0.2    | 0.1   |
| -88.75° | 0.3 | 0.3    | 0.3   | 0.2    | 0.2 | 0.2    | 0.2   | 0.1    | 0.1 | 0.1    | 0.1   |
| -90°    | 0.0 | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   | 0.0    | 0.0 | 0.0    | 0.0   |



REPORT NUMBER: P220449 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 88.75° | 90° |
|--------|--------|-----|
| 90°    | 0.0    | 0.0 |
| 88.75° | 0.0    | 0.0 |
| 87.5°  | 0.1    | 0.0 |
| 86.25° | 0.1    | 0.0 |
| 85°    | 0.1    | 0.0 |
| 83.75° | 0.1    | 0.0 |
| 82.5°  | 0.2    | 0.0 |
| 81.25° | 0.2    | 0.0 |
| 80°    | 0.2    | 0.0 |
| 78.75° | 0.2    | 0.0 |
| 77.5°  | 0.3    | 0.0 |
| 76.25° | 0.3    | 0.0 |
| 75°    | 0.3    | 0.0 |
| 73.75° | 0.3    | 0.0 |
| 72.5°  | 0.4    | 0.0 |
| 71.25° | 0.4    | 0.0 |
| 70°    | 0.4    | 0.0 |
| 68.75° | 0.4    | 0.0 |
| 67.5°  | 0.5    | 0.0 |
| 66.25° | 0.5    | 0.0 |
| 65°    | 0.5    | 0.0 |
| 63.75° | 0.5    | 0.0 |
| 62.5°  | 0.6    | 0.0 |
| 61.25° | 0.6    | 0.0 |
| 60°    | 0.6    | 0.0 |
| 58.75° | 0.6    | 0.0 |
| 57.5°  | 0.6    | 0.0 |
| 56.25° | 0.7    | 0.0 |
| 55°    | 0.7    | 0.0 |
| 53.75° | 0.7    | 0.0 |
| 52.5°  | 0.7    | 0.0 |
| 51.25° | 0.8    | 0.0 |
| 50°    | 0.8    | 0.0 |
| 48.75° | 0.8    | 0.0 |
| 47.5°  | 0.8    | 0.0 |
| 46.25° | 0.8    | 0.0 |
| 45°    | 0.8    | 0.0 |
| 43.75° | 0.9    | 0.0 |
| 42.5°  | 0.9    | 0.0 |
| 41.25° | 0.9    | 0.0 |
| 40°    | 0.9    | 0.0 |
| 38.75° | 0.9    | 0.0 |
| 37.5°  | 1.0    | 0.0 |
| 36.25° | 1.0    | 0.0 |
| 35°    | 1.0    | 0.0 |



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**CANDELA DISTRIBUTION (continued):**

|         | 88.75° | 90° |
|---------|--------|-----|
| 33.75°  | 1.0    | 0.0 |
| 32.5°   | 1.0    | 0.0 |
| 31.25°  | 1.0    | 0.0 |
| 30°     | 1.0    | 0.0 |
| 28.75°  | 1.1    | 0.0 |
| 27.5°   | 1.1    | 0.0 |
| 26.25°  | 1.1    | 0.0 |
| 25°     | 1.1    | 0.0 |
| 23.75°  | 1.1    | 0.0 |
| 22.5°   | 1.1    | 0.0 |
| 21.25°  | 1.1    | 0.0 |
| 20°     | 1.1    | 0.0 |
| 18.75°  | 1.1    | 0.0 |
| 17.5°   | 1.1    | 0.0 |
| 16.25°  | 1.2    | 0.0 |
| 15°     | 1.2    | 0.0 |
| 13.75°  | 1.2    | 0.0 |
| 12.5°   | 1.2    | 0.0 |
| 11.25°  | 1.2    | 0.0 |
| 10°     | 1.2    | 0.0 |
| 8.75°   | 1.2    | 0.0 |
| 7.5°    | 1.2    | 0.0 |
| 6.25°   | 1.2    | 0.0 |
| 5°      | 1.2    | 0.0 |
| 3.75°   | 1.2    | 0.0 |
| 2.5°    | 1.2    | 0.0 |
| 1.25°   | 1.2    | 0.0 |
| 0°      | 1.2    | 0.0 |
| -1.25°  | 1.2    | 0.0 |
| -2.5°   | 1.2    | 0.0 |
| -3.75°  | 1.2    | 0.0 |
| -5°     | 1.2    | 0.0 |
| -6.25°  | 1.2    | 0.0 |
| -7.5°   | 1.2    | 0.0 |
| -8.75°  | 1.2    | 0.0 |
| -10°    | 1.2    | 0.0 |
| -11.25° | 1.2    | 0.0 |
| -12.5°  | 1.2    | 0.0 |
| -13.75° | 1.2    | 0.0 |
| -15°    | 1.2    | 0.0 |
| -16.25° | 1.2    | 0.0 |
| -17.5°  | 1.1    | 0.0 |
| -18.75° | 1.1    | 0.0 |
| -20°    | 1.1    | 0.0 |
| -21.25° | 1.1    | 0.0 |



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**CANDELA DISTRIBUTION (continued):**

|         | 88.75° | 90° |
|---------|--------|-----|
| -22.5°  | 1.1    | 0.0 |
| -23.75° | 1.1    | 0.0 |
| -25°    | 1.1    | 0.0 |
| -26.25° | 1.1    | 0.0 |
| -27.5°  | 1.1    | 0.0 |
| -28.75° | 1.1    | 0.0 |
| -30°    | 1.0    | 0.0 |
| -31.25° | 1.0    | 0.0 |
| -32.5°  | 1.0    | 0.0 |
| -33.75° | 1.0    | 0.0 |
| -35°    | 1.0    | 0.0 |
| -36.25° | 1.0    | 0.0 |
| -37.5°  | 1.0    | 0.0 |
| -38.75° | 0.9    | 0.0 |
| -40°    | 0.9    | 0.0 |
| -41.25° | 0.9    | 0.0 |
| -42.5°  | 0.9    | 0.0 |
| -43.75° | 0.9    | 0.0 |
| -45°    | 0.8    | 0.0 |
| -46.25° | 0.8    | 0.0 |
| -47.5°  | 0.8    | 0.0 |
| -48.75° | 0.8    | 0.0 |
| -50°    | 0.8    | 0.0 |
| -51.25° | 0.8    | 0.0 |
| -52.5°  | 0.7    | 0.0 |
| -53.75° | 0.7    | 0.0 |
| -55°    | 0.7    | 0.0 |
| -56.25° | 0.7    | 0.0 |
| -57.5°  | 0.6    | 0.0 |
| -58.75° | 0.6    | 0.0 |
| -60°    | 0.6    | 0.0 |
| -61.25° | 0.6    | 0.0 |
| -62.5°  | 0.6    | 0.0 |
| -63.75° | 0.5    | 0.0 |
| -65°    | 0.5    | 0.0 |
| -66.25° | 0.5    | 0.0 |
| -67.5°  | 0.5    | 0.0 |
| -68.75° | 0.4    | 0.0 |
| -70°    | 0.4    | 0.0 |
| -71.25° | 0.4    | 0.0 |
| -72.5°  | 0.4    | 0.0 |
| -73.75° | 0.3    | 0.0 |
| -75°    | 0.3    | 0.0 |
| -76.25° | 0.3    | 0.0 |
| -77.5°  | 0.3    | 0.0 |



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**CANDELA DISTRIBUTION (continued):**

|         | 88.75° | 90° |
|---------|--------|-----|
| -78.75° | 0.2    | 0.0 |
| -80°    | 0.2    | 0.0 |
| -81.25° | 0.2    | 0.0 |
| -82.5°  | 0.2    | 0.0 |
| -83.75° | 0.1    | 0.0 |
| -85°    | 0.1    | 0.0 |
| -86.25° | 0.1    | 0.0 |
| -87.5°  | 0.1    | 0.0 |
| -88.75° | 0.0    | 0.0 |
| -90°    | 0.0    | 0.0 |

(END OF REPORT)