

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: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
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]-FL-LED3097-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT  
OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

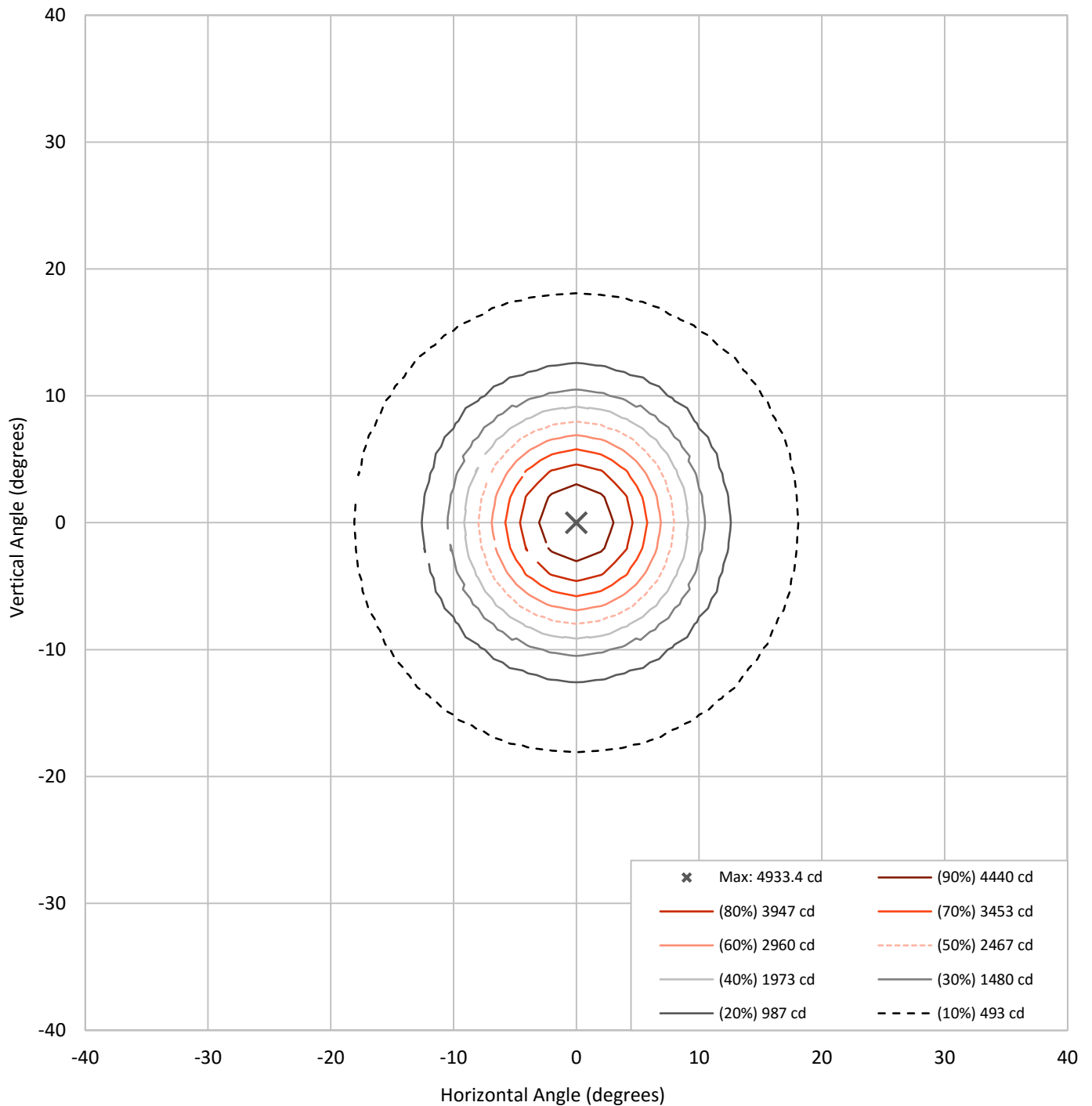
**Summary**

|                                   |                               |                      |                 |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp:                  | N/A                           | NEMA Type:           | 3H x 3V         |
| Luminaire Lumens:                 | 649.7 lumens                  | Max Intensity:       | 4933.4 candela  |
| Efficiency:                       | N/A                           | Max Intensity Angle: | 0°H x 0°V       |
| Efficacy:                         | 66.3 lumens/watt              |                      |                 |
| Luminous Opening:                 | Circular (Dia: 0.25' x H: 0') |                      |                 |
| Beam Angle (50%):                 | 16°H x 16°V                   | Field Angle (10%):   | 36.1°H x 36.1°V |
| Beam Lumens:                      | 212.1 lumens                  | Field Lumens:        | 457.4 lumens    |
| Beam Efficiency:                  | 32.7%                         | Field Efficiency:    | 70.4%           |
| Input Watts (W):                  | 9.8                           |                      |                 |
| 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





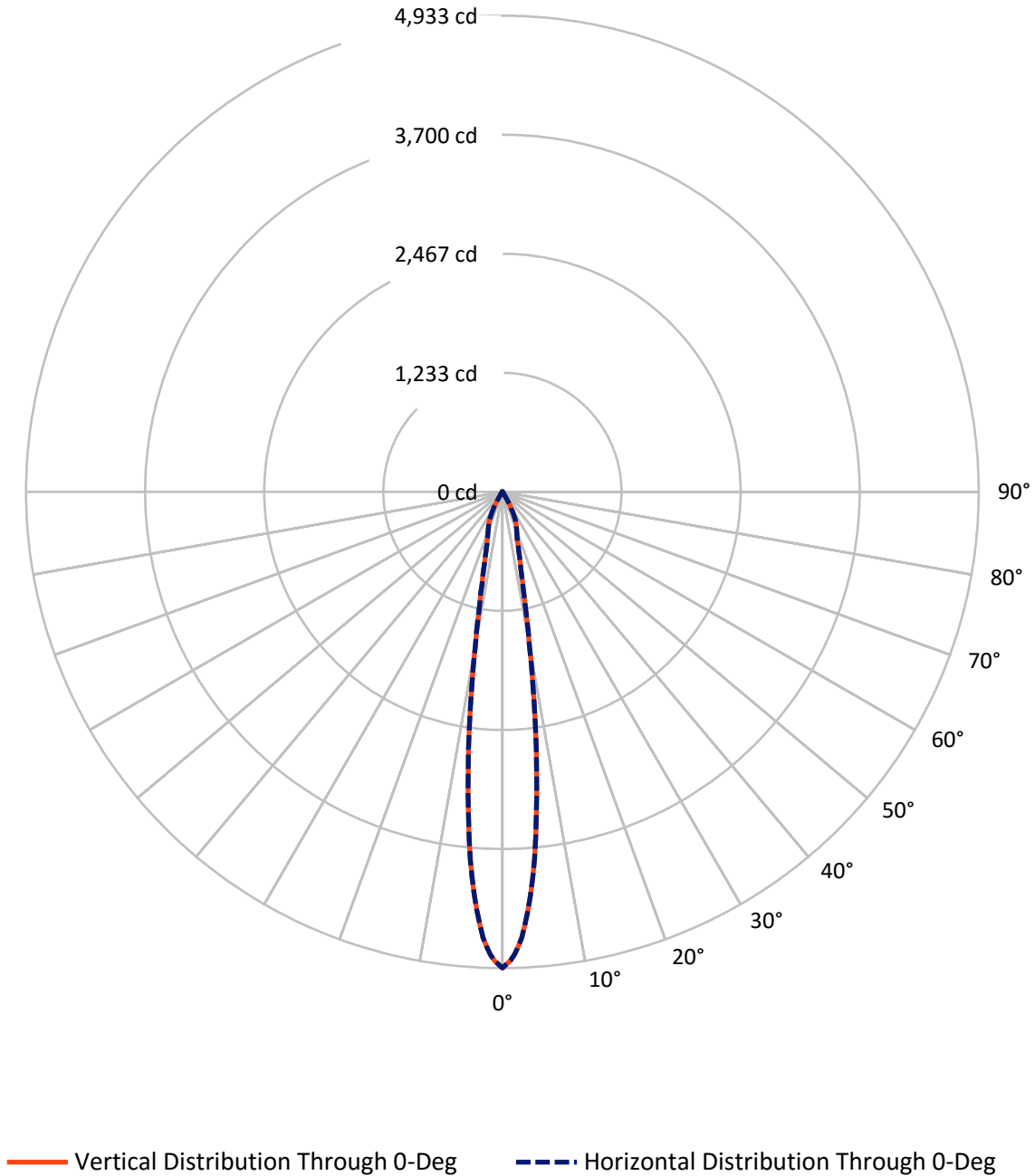
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### Lumen Table

|     |     |     |     |     |     |     |      |      |      |      |     |     |     |     |     |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|----|----|----|----|
| 90  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| 80  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| 70  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| 60  |     | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1  | 0.1  | 0.1  | 0.1  | 0.1 | 0.0 | 0.0 | 0.0 |     |    |    |    |    |
| 50  | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1  | 0.1  | 0.1  | 0.1  | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| 40  |     | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4  | 0.8  | 0.8  | 0.4  | 0.2 | 0.1 | 0.0 | 0.0 |     |    |    |    |    |
| 30  | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.9 | 4.8  | 8.3  | 8.3  | 4.8  | 0.9 | 0.2 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| 20  |     | 0.0 | 0.0 | 0.1 | 0.3 | 4.5 | 12.0 | 20.4 | 20.4 | 12.0 | 4.5 | 0.3 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| 10  | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 7.6 | 19.8 | 79.9 | 79.9 | 19.8 | 7.6 | 0.7 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| 0   |     | 0.0 | 0.0 | 0.1 | 0.7 | 7.6 | 19.8 | 79.9 | 79.9 | 19.8 | 7.6 | 0.7 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| -10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 4.5 | 12.0 | 20.4 | 20.4 | 12.0 | 4.5 | 0.3 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| -20 |     | 0.0 | 0.0 | 0.1 | 0.2 | 0.9 | 4.8  | 8.3  | 8.3  | 4.8  | 0.9 | 0.2 | 0.1 | 0.0 | 0.0 |    |    |    |    |
| -30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4  | 0.8  | 0.8  | 0.4  | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -40 |     | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1  | 0.1  | 0.1  | 0.1  | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1  | 0.1  | 0.1  | 0.1  | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -60 |     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -80 |     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
| -90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |    |    |    |    |
|     | -90 | -80 | -70 | -60 | -50 | -40 | -30  | -20  | -10  | 0    | 10  | 20  | 30  | 40  | 50  | 60 | 70 | 80 | 90 |

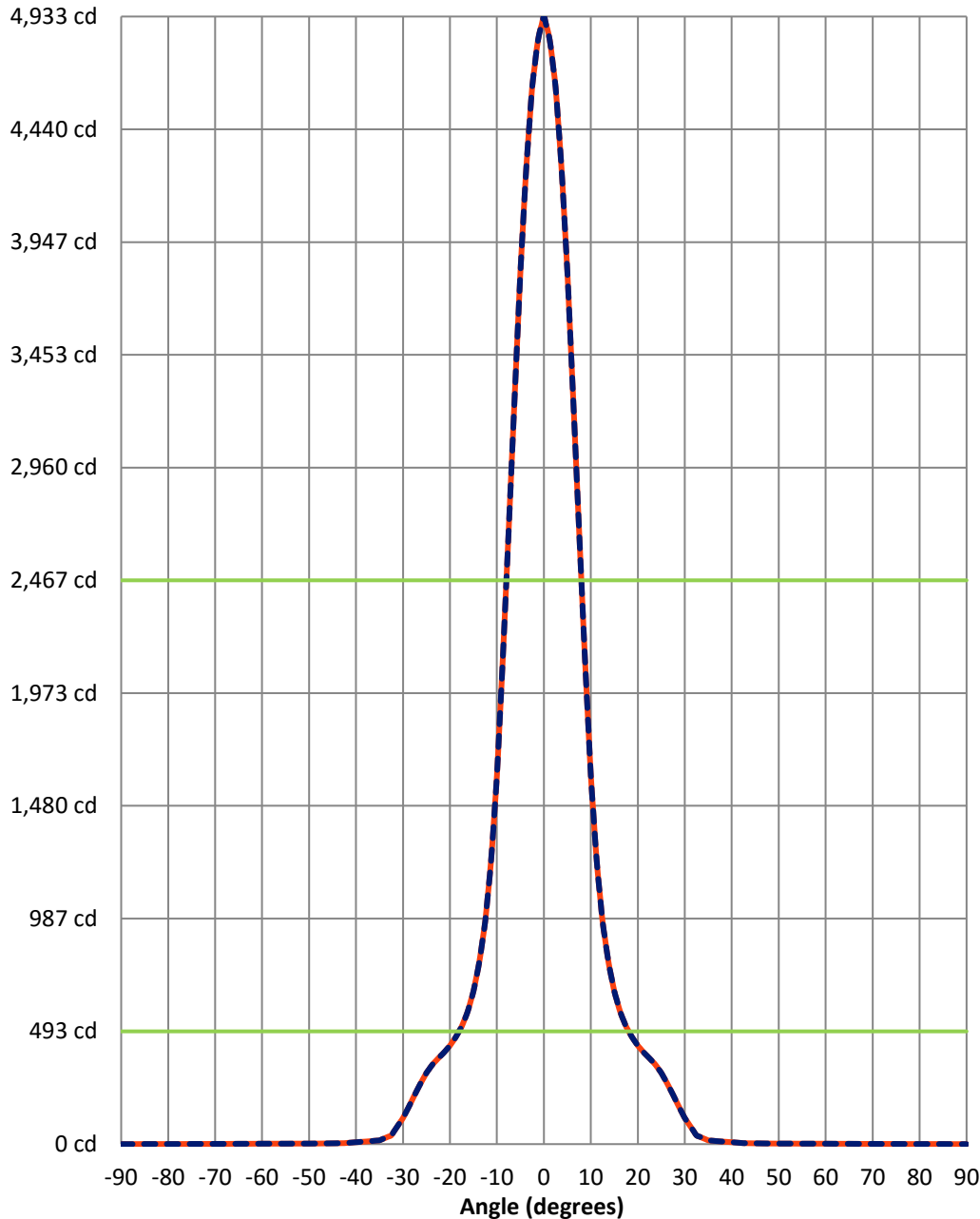
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 16°  
 V Angle: 16°  
 Lumens: 212.1  
 Efficiency: 32.7%

**Field:**  
 H Angle: 36.1°  
 V Angle: 36.1°  
 Lumens: 457.4  
 Efficiency: 70.4%

**Spill:**  
 Lumens: 192.2  
 Efficiency: 29.6%

— 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      |
| 88.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 87.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 86.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 85°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 83.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 82.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 81.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 80°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 78.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 77.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 76.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 75°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 73.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 72.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 71.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 70°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 68.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 67.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 66.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 65°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 63.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 62.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 61.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 60°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 58.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 57.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 56.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 55°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 53.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 52.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 51.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 50°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 48.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 47.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 46.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 45°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 43.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 42.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 41.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 40°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 38.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 37.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 36.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 35°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**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       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 32.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 31.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 30°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 28.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 27.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 26.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 25°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 23.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 22.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 21.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 20°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 18.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 17.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 16.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 15°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 13.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 12.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 11.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 10°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 8.75°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 7.5°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 6.25°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 5°      | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 3.75°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 2.5°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 1.25°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 0°      | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -1.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -2.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -3.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -5°     | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -6.25°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -7.5°   | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -8.75°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -10°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -11.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -12.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -13.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -15°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -16.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -17.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -18.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -20°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -21.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |





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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° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -22.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -23.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -25°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -26.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -27.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -28.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -30°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -31.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -32.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -33.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -35°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -36.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -37.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -38.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -40°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -41.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -42.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -43.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -45°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -46.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -47.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -48.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -50°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -51.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -52.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -53.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -55°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -56.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -57.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -58.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -60°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -61.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -62.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -63.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -65°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -66.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -67.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -68.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -70°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -71.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -72.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -73.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -75°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -76.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -77.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**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      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -80°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -81.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -82.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -83.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -85°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -86.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -87.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -88.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -90°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**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       |
| 88.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 87.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 86.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 85°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 83.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 82.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 81.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 80°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 78.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 77.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 76.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 75°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 73.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 72.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 71.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 70°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 68.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 67.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 66.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 65°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 63.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 62.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 61.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 60°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| 58.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 1       |
| 57.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 1       |
| 56.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       |
| 55°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       |
| 53.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       |
| 52.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       |
| 51.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       |
| 50°    | 0       | 0    | 0       | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       |
| 48.75° | 0       | 0    | 0       | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       |
| 47.5°  | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       |
| 46.25° | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       |
| 45°    | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 43.75° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 42.5°  | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 41.25° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 40°    | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 38.75° | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 37.5°  | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 36.25° | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 35°    | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| 33.75°  | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 32.5°   | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 31.25°  | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 30°     | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 28.75°  | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 27.5°   | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 26.25°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 25°     | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 23.75°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 22.5°   | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 21.25°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 20°     | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 18.75°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 17.5°   | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| 16.25°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 15°     | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 13.75°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 12.5°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 11.25°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 10°     | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 8.75°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 7.5°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 6.25°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 5°      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 3.75°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 2.5°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 1.25°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| 0°      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       |
| -1.25°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -2.5°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -3.75°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -5°     | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -6.25°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -7.5°   | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -8.75°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -10°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -11.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -12.5°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -13.75° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -15°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -16.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       |
| -17.5°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -18.75° | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -20°    | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -21.25° | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| -22.5°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -23.75° | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -25°    | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -26.25° | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -27.5°  | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -28.75° | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -30°    | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -31.25° | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -32.5°  | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -33.75° | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -35°    | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -36.25° | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -37.5°  | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -38.75° | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -40°    | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -41.25° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -42.5°  | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -43.75° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -45°    | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       |
| -46.25° | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       |
| -47.5°  | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       |
| -48.75° | 0       | 0    | 0       | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       |
| -50°    | 0       | 0    | 0       | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       |
| -51.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       |
| -52.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       |
| -53.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       |
| -55°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       |
| -56.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       |
| -57.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 1       |
| -58.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 1       |
| -60°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -61.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -62.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -63.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -65°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -66.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -67.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -68.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -70°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -71.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -72.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -73.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -75°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -76.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -77.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -76.25° | -75° | -73.75° | -72.5° | -71.25° | -70° | -68.75° | -67.5° | -66.25° | -65° | -63.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|
| -78.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -80°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -81.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -82.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -83.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -85°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -86.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -87.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -88.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |
| -90°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**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    |
| 88.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 87.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 86.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 85°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 83.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 82.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 81.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 80°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 78.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 77.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 76.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 75°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 73.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 72.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 71.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 70°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| 68.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    |
| 67.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    |
| 66.25° | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    |
| 65°    | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    |
| 63.75° | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 62.5°  | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 61.25° | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 60°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 58.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 57.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 56.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 55°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 53.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 52.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 51.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 50°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| 48.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 2    |
| 47.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 2       | 2    |
| 46.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 2       | 2    |
| 45°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    |
| 43.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       | 2      | 2       | 2    |
| 42.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    |
| 41.25° | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    |
| 40°    | 1      | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    |
| 38.75° | 1      | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    |
| 37.5°  | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 36.25° | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 35°    | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |



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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° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| 33.75°  | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 32.5°   | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 31.25°  | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 30°     | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 28.75°  | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 27.5°   | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 26.25°  | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 25°     | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 23.75°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 22.5°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 21.25°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 20°     | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 18.75°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 17.5°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 16.25°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 15°     | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 13.75°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 12.5°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 11.25°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 10°     | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 8.75°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 7.5°    | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 6.25°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 5°      | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 3.75°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 2.5°    | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 1.25°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| 0°      | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -1.25°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -2.5°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -3.75°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -5°     | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -6.25°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -7.5°   | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -8.75°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -10°    | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -11.25° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -12.5°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -13.75° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -15°    | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -16.25° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -17.5°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -18.75° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -20°    | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -21.25° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |





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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°  | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -23.75° | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -25°    | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -26.25° | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -27.5°  | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -28.75° | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -30°    | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -31.25° | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -32.5°  | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -33.75° | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -35°    | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -36.25° | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -37.5°  | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    |
| -38.75° | 1      | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    |
| -40°    | 1      | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    |
| -41.25° | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    |
| -42.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    |
| -43.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       | 2      | 2       | 2    |
| -45°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    |
| -46.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 2       | 2    |
| -47.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 2       | 2    |
| -48.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 2    |
| -50°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -51.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -52.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -53.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -55°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -56.25° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -57.5°  | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -58.75° | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -60°    | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -61.25° | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -62.5°  | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -63.75° | 0      | 0       | 0    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    |
| -65°    | 0      | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    |
| -66.25° | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    |
| -67.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    |
| -68.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    |
| -70°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -71.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -72.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -73.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -75°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -76.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -77.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| -78.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -80°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -81.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -82.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -83.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -85°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -86.25° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -87.5°  | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -88.75° | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |
| -90°    | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**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       |
| 88.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 87.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 86.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 85°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 83.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 82.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 81.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 80°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 78.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 77.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 76.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 75°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 73.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| 72.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       |
| 71.25° | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 70°    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 68.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 67.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 66.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 65°    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 63.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 62.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 61.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 60°    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 58.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| 57.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       |
| 56.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       |
| 55°    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       |
| 53.75° | 1       | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 52.5°  | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 51.25° | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 50°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 48.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 47.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 46.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 45°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 43.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 42.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 41.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 40°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 38.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 37.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 36.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| 35°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 3       |



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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° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| 33.75°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       |
| 32.5°   | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       |
| 31.25°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 3       | 3      | 3       |
| 30°     | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       |
| 28.75°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       |
| 27.5°   | 2       | 2      | 2       | 2    | 2       | 2      | 3       | 3    | 3       | 3      | 4       |
| 26.25°  | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 4      | 4       |
| 25°     | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 4      | 4       |
| 23.75°  | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 3    | 4       | 4      | 4       |
| 22.5°   | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 3    | 4       | 4      | 5       |
| 21.25°  | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 4    | 4       | 5      | 6       |
| 20°     | 2       | 2      | 2       | 3    | 3       | 3      | 3       | 4    | 4       | 5      | 7       |
| 18.75°  | 2       | 2      | 2       | 3    | 3       | 3      | 4       | 4    | 4       | 6      | 8       |
| 17.5°   | 2       | 2      | 3       | 3    | 3       | 3      | 4       | 4    | 5       | 7      | 9       |
| 16.25°  | 2       | 2      | 3       | 3    | 3       | 3      | 4       | 4    | 6       | 8      | 9       |
| 15°     | 2       | 2      | 3       | 3    | 3       | 4      | 4       | 5    | 7       | 8      | 10      |
| 13.75°  | 2       | 2      | 3       | 3    | 3       | 4      | 4       | 5    | 7       | 9      | 11      |
| 12.5°   | 2       | 3      | 3       | 3    | 3       | 4      | 4       | 6    | 8       | 9      | 11      |
| 11.25°  | 2       | 3      | 3       | 3    | 3       | 4      | 4       | 6    | 8       | 10     | 12      |
| 10°     | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 10     | 12      |
| 8.75°   | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 11     | 13      |
| 7.5°    | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 11     | 13      |
| 6.25°   | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 11     | 13      |
| 5°      | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| 3.75°   | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| 2.5°    | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| 1.25°   | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| 0°      | 3       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| -1.25°  | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| -2.5°   | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| -3.75°  | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| -5°     | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 12     | 14      |
| -6.25°  | 2       | 3      | 3       | 3    | 4       | 4      | 6       | 8    | 10      | 11     | 13      |
| -7.5°   | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 11     | 13      |
| -8.75°  | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 11     | 13      |
| -10°    | 2       | 3      | 3       | 3    | 4       | 4      | 5       | 7    | 9       | 10     | 12      |
| -11.25° | 2       | 3      | 3       | 3    | 3       | 4      | 4       | 6    | 8       | 10     | 12      |
| -12.5°  | 2       | 3      | 3       | 3    | 3       | 4      | 4       | 6    | 8       | 9      | 11      |
| -13.75° | 2       | 2      | 3       | 3    | 3       | 4      | 4       | 5    | 7       | 9      | 11      |
| -15°    | 2       | 2      | 3       | 3    | 3       | 4      | 4       | 5    | 7       | 8      | 10      |
| -16.25° | 2       | 2      | 3       | 3    | 3       | 3      | 4       | 4    | 6       | 8      | 9       |
| -17.5°  | 2       | 2      | 3       | 3    | 3       | 3      | 4       | 4    | 5       | 7      | 9       |
| -18.75° | 2       | 2      | 2       | 3    | 3       | 3      | 4       | 4    | 4       | 6      | 8       |
| -20°    | 2       | 2      | 2       | 3    | 3       | 3      | 3       | 4    | 4       | 5      | 7       |
| -21.25° | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 4    | 4       | 5      | 6       |



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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° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| -22.5°  | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 3    | 4       | 4      | 5       |
| -23.75° | 2       | 2      | 2       | 2    | 3       | 3      | 3       | 3    | 4       | 4      | 4       |
| -25°    | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 4      | 4       |
| -26.25° | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 4      | 4       |
| -27.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 3       | 3    | 3       | 3      | 4       |
| -28.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       |
| -30°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       |
| -31.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 3       | 3      | 3       |
| -32.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       |
| -33.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       |
| -35°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 3       |
| -36.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -37.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -38.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -40°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -41.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -42.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -43.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -45°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -46.25° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -47.5°  | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -48.75° | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -50°    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -51.25° | 1       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -52.5°  | 1       | 1      | 1       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -53.75° | 1       | 1      | 1       | 1    | 2       | 2      | 2       | 2    | 2       | 2      | 2       |
| -55°    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      | 2       |
| -56.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 2    | 2       | 2      | 2       |
| -57.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       |
| -58.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -60°    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -61.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -62.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -63.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -65°    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -66.25° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -67.5°  | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -68.75° | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -70°    | 0       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -71.25° | 0       | 0      | 0       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       |
| -72.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 1    | 1       | 1      | 1       |
| -73.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -75°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -76.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -77.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |



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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° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| -78.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -80°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -81.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -82.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -83.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -85°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -86.25° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -87.5°  | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -88.75° | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       |
| -90°    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 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° |
|--------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 90°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 88.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 87.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 86.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 85°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 83.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 82.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 81.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 80°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 78.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 77.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 76.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| 75°    | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      |
| 73.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 72.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 71.25° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 70°    | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 68.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 67.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 66.25° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 65°    | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 63.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| 62.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       | 2      |
| 61.25° | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      |
| 60°    | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 58.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 57.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 56.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 55°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 53.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 52.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 51.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 50°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 48.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 47.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 46.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 45°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| 43.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 3       | 3      |
| 42.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 3       | 3    | 3       | 3      |
| 41.25° | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 3      |
| 40°    | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       | 3    | 3       | 3      |
| 38.75° | 2    | 2       | 2      | 3       | 3    | 3       | 3      | 3       | 3    | 4       | 4      |
| 37.5°  | 2    | 3       | 3      | 3       | 3    | 3       | 3      | 4       | 4    | 4       | 4      |
| 36.25° | 3    | 3       | 3      | 3       | 3    | 3       | 4      | 4       | 4    | 4       | 5      |
| 35°    | 3    | 3       | 3      | 3       | 3    | 4       | 4      | 4       | 5    | 6       | 7      |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|         | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 33.75°  | 3    | 3       | 3      | 3       | 4    | 4       | 4      | 5       | 7    | 8       | 9      |
| 32.5°   | 3    | 3       | 4      | 4       | 4    | 5       | 6      | 7       | 8    | 9       | 10     |
| 31.25°  | 3    | 3       | 4      | 4       | 5    | 6       | 7      | 8       | 10   | 10      | 11     |
| 30°     | 3    | 4       | 4      | 5       | 6    | 7       | 9      | 10      | 11   | 12      | 13     |
| 28.75°  | 4    | 4       | 5      | 6       | 7    | 9       | 10     | 11      | 12   | 13      | 15     |
| 27.5°   | 4    | 4       | 6      | 7       | 9    | 10      | 11     | 12      | 14   | 15      | 17     |
| 26.25°  | 4    | 5       | 7      | 8       | 10   | 11      | 12     | 14      | 15   | 18      | 25     |
| 25°     | 5    | 7       | 8      | 10      | 11   | 12      | 14     | 15      | 18   | 26      | 32     |
| 23.75°  | 6    | 8       | 9      | 10      | 12   | 13      | 15     | 18      | 26   | 33      | 45     |
| 22.5°   | 7    | 9       | 10     | 11      | 13   | 15      | 17     | 25      | 32   | 45      | 71     |
| 21.25°  | 8    | 10      | 11     | 12      | 14   | 16      | 23     | 31      | 42   | 70      | 97     |
| 20°     | 9    | 10      | 12     | 14      | 16   | 21      | 29     | 37      | 65   | 94      | 124    |
| 18.75°  | 10   | 11      | 13     | 15      | 17   | 26      | 35     | 57      | 87   | 117     | 154    |
| 17.5°   | 10   | 12      | 14     | 16      | 22   | 31      | 46     | 78      | 108  | 145     | 186    |
| 16.25°  | 11   | 13      | 15     | 18      | 27   | 36      | 65     | 97      | 132  | 174     | 216    |
| 15°     | 12   | 14      | 16     | 22      | 32   | 49      | 82     | 115     | 157  | 201     | 244    |
| 13.75°  | 12   | 14      | 17     | 26      | 36   | 65      | 99     | 137     | 182  | 227     | 269    |
| 12.5°   | 13   | 15      | 20     | 30      | 45   | 79      | 114    | 158     | 204  | 250     | 291    |
| 11.25°  | 14   | 16      | 23     | 33      | 58   | 93      | 132    | 178     | 226  | 270     | 311    |
| 10°     | 14   | 16      | 26     | 37      | 69   | 105     | 148    | 196     | 244  | 288     | 326    |
| 8.75°   | 15   | 19      | 29     | 43      | 79   | 116     | 163    | 213     | 260  | 304     | 340    |
| 7.5°    | 15   | 21      | 31     | 52      | 89   | 128     | 177    | 227     | 274  | 316     | 350    |
| 6.25°   | 16   | 23      | 33     | 59      | 96   | 139     | 189    | 240     | 286  | 327     | 358    |
| 5°      | 16   | 24      | 35     | 65      | 103  | 147     | 198    | 249     | 295  | 335     | 365    |
| 3.75°   | 16   | 26      | 36     | 70      | 108  | 154     | 206    | 256     | 302  | 341     | 369    |
| 2.5°    | 16   | 27      | 37     | 73      | 111  | 159     | 211    | 262     | 307  | 345     | 373    |
| 1.25°   | 16   | 27      | 38     | 75      | 113  | 162     | 215    | 265     | 311  | 347     | 374    |
| 0°      | 17   | 27      | 38     | 76      | 114  | 164     | 216    | 266     | 312  | 348     | 375    |
| -1.25°  | 16   | 27      | 38     | 75      | 113  | 162     | 215    | 265     | 311  | 347     | 374    |
| -2.5°   | 16   | 27      | 37     | 73      | 111  | 159     | 211    | 262     | 307  | 345     | 373    |
| -3.75°  | 16   | 26      | 36     | 70      | 108  | 154     | 206    | 256     | 302  | 341     | 369    |
| -5°     | 16   | 24      | 35     | 65      | 103  | 147     | 198    | 249     | 295  | 335     | 365    |
| -6.25°  | 16   | 23      | 33     | 59      | 96   | 139     | 189    | 240     | 286  | 327     | 358    |
| -7.5°   | 15   | 21      | 31     | 52      | 89   | 128     | 177    | 227     | 274  | 316     | 350    |
| -8.75°  | 15   | 19      | 29     | 43      | 79   | 116     | 163    | 213     | 260  | 304     | 340    |
| -10°    | 14   | 16      | 26     | 37      | 69   | 105     | 148    | 196     | 244  | 288     | 326    |
| -11.25° | 14   | 16      | 23     | 33      | 58   | 93      | 132    | 178     | 226  | 270     | 311    |
| -12.5°  | 13   | 15      | 20     | 30      | 45   | 79      | 114    | 158     | 204  | 250     | 291    |
| -13.75° | 12   | 14      | 17     | 26      | 36   | 65      | 99     | 137     | 182  | 227     | 269    |
| -15°    | 12   | 14      | 16     | 22      | 32   | 49      | 82     | 115     | 157  | 201     | 244    |
| -16.25° | 11   | 13      | 15     | 18      | 27   | 36      | 65     | 97      | 132  | 174     | 216    |
| -17.5°  | 10   | 12      | 14     | 16      | 22   | 31      | 46     | 78      | 108  | 145     | 186    |
| -18.75° | 10   | 11      | 13     | 15      | 17   | 26      | 35     | 57      | 87   | 117     | 154    |
| -20°    | 9    | 10      | 12     | 14      | 16   | 21      | 29     | 37      | 65   | 94      | 124    |
| -21.25° | 8    | 10      | 11     | 12      | 14   | 16      | 23     | 31      | 42   | 70      | 97     |





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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°  | 7    | 9       | 10     | 11      | 13   | 15      | 17     | 25      | 32   | 45      | 71     |
| -23.75° | 6    | 8       | 9      | 10      | 12   | 13      | 15     | 18      | 26   | 33      | 45     |
| -25°    | 5    | 7       | 8      | 10      | 11   | 12      | 14     | 15      | 18   | 26      | 32     |
| -26.25° | 4    | 5       | 7      | 8       | 10   | 11      | 12     | 14      | 15   | 18      | 25     |
| -27.5°  | 4    | 4       | 6      | 7       | 9    | 10      | 11     | 12      | 14   | 15      | 17     |
| -28.75° | 4    | 4       | 5      | 6       | 7    | 9       | 10     | 11      | 12   | 13      | 15     |
| -30°    | 3    | 4       | 4      | 5       | 6    | 7       | 9      | 10      | 11   | 12      | 13     |
| -31.25° | 3    | 3       | 4      | 4       | 5    | 6       | 7      | 8       | 10   | 10      | 11     |
| -32.5°  | 3    | 3       | 4      | 4       | 4    | 5       | 6      | 7       | 8    | 9       | 10     |
| -33.75° | 3    | 3       | 3      | 3       | 4    | 4       | 4      | 5       | 7    | 8       | 9      |
| -35°    | 3    | 3       | 3      | 3       | 3    | 4       | 4      | 4       | 5    | 6       | 7      |
| -36.25° | 3    | 3       | 3      | 3       | 3    | 3       | 4      | 4       | 4    | 4       | 5      |
| -37.5°  | 2    | 3       | 3      | 3       | 3    | 3       | 3      | 4       | 4    | 4       | 4      |
| -38.75° | 2    | 2       | 2      | 3       | 3    | 3       | 3      | 3       | 3    | 4       | 4      |
| -40°    | 2    | 2       | 2      | 2       | 3    | 3       | 3      | 3       | 3    | 3       | 3      |
| -41.25° | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 3      |
| -42.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 3       | 3    | 3       | 3      |
| -43.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 3       | 3      |
| -45°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -46.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -47.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -48.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -50°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -51.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -52.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -53.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -55°    | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -56.25° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -57.5°  | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -58.75° | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -60°    | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      |
| -61.25° | 1    | 1       | 1      | 1       | 1    | 1       | 2      | 2       | 2    | 2       | 2      |
| -62.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 2       | 2      |
| -63.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -65°    | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -66.25° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -67.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -68.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -70°    | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -71.25° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -72.5°  | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -73.75° | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      |
| -75°    | 0    | 0       | 0      | 0       | 0    | 0       | 1      | 1       | 1    | 1       | 1      |
| -76.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -77.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 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° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -78.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -80°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -81.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -82.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -83.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -85°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -86.25° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -87.5°  | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -88.75° | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      |
| -90°    | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 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° |
|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| 90°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 88.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 87.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 86.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 85°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 83.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 82.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 81.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 80°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 78.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 77.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| 76.25° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 75°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 73.75° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 72.5°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 71.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 70°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 68.75° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 67.5°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 66.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 65°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| 63.75° | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 62.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 61.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 60°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 58.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 57.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 56.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 55°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 53.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 52.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 51.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 50°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 48.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| 47.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3      |
| 46.25° | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 3      | 3       | 3    | 3      |
| 45°    | 2       | 3    | 3       | 3      | 3       | 3    | 3       | 3      | 3       | 3    | 3      |
| 43.75° | 3       | 3    | 3       | 3      | 3       | 3    | 3       | 3      | 3       | 4    | 4      |
| 42.5°  | 3       | 3    | 3       | 3      | 3       | 4    | 4       | 4      | 4       | 4    | 4      |
| 41.25° | 3       | 3    | 4       | 4      | 4       | 4    | 4       | 4      | 4       | 5    | 5      |
| 40°    | 4       | 4    | 4       | 4      | 4       | 5    | 5       | 6      | 6       | 7    | 7      |
| 38.75° | 4       | 4    | 4       | 5      | 6       | 7    | 7       | 8      | 8       | 9    | 9      |
| 37.5°  | 5       | 5    | 6       | 7      | 8       | 8    | 9       | 9      | 10      | 10   | 11     |
| 36.25° | 6       | 7    | 8       | 9      | 9       | 10   | 11      | 11     | 12      | 12   | 13     |
| 35°    | 8       | 9    | 10      | 10     | 11      | 12   | 12      | 13     | 14      | 14   | 15     |



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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° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| 33.75°  | 10      | 10   | 11      | 12     | 13      | 14   | 14      | 15     | 16      | 16   | 19     |
| 32.5°   | 11      | 12   | 13      | 14     | 15      | 16   | 17      | 20     | 23      | 26   | 29     |
| 31.25°  | 12      | 14   | 15      | 16     | 18      | 22   | 26      | 30     | 33      | 37   | 43     |
| 30°     | 14      | 16   | 17      | 22     | 27      | 32   | 36      | 45     | 58      | 69   | 79     |
| 28.75°  | 16      | 21   | 26      | 31     | 36      | 49   | 65      | 79     | 93      | 105  | 116    |
| 27.5°   | 23      | 29   | 35      | 46     | 65      | 82   | 99      | 114    | 132     | 148  | 163    |
| 26.25°  | 31      | 37   | 57      | 78     | 97      | 115  | 137     | 158    | 178     | 196  | 213    |
| 25°     | 42      | 65   | 87      | 108    | 132     | 157  | 182     | 204    | 226     | 244  | 260    |
| 23.75°  | 70      | 94   | 117     | 145    | 174     | 201  | 227     | 250    | 270     | 288  | 304    |
| 22.5°   | 97      | 124  | 154     | 186    | 216     | 244  | 269     | 291    | 311     | 326  | 340    |
| 21.25°  | 126     | 159  | 193     | 226    | 255     | 282  | 307     | 327    | 344     | 356  | 367    |
| 20°     | 159     | 195  | 231     | 263    | 292     | 317  | 339     | 355    | 369     | 380  | 390    |
| 18.75°  | 193     | 231  | 265     | 296    | 323     | 346  | 363     | 377    | 390     | 403  | 416    |
| 17.5°   | 226     | 263  | 296     | 325    | 349     | 367  | 383     | 398    | 414     | 429  | 445    |
| 16.25°  | 255     | 292  | 323     | 349    | 369     | 386  | 403     | 421    | 440     | 459  | 480    |
| 15°     | 282     | 317  | 346     | 367    | 386     | 405  | 425     | 447    | 471     | 496  | 522    |
| 13.75°  | 307     | 339  | 363     | 383    | 403     | 425  | 449     | 477    | 507     | 538  | 577    |
| 12.5°   | 327     | 355  | 377     | 398    | 421     | 447  | 477     | 510    | 548     | 594  | 651    |
| 11.25°  | 344     | 369  | 390     | 414    | 440     | 471  | 507     | 548    | 602     | 668  | 742    |
| 10°     | 356     | 380  | 403     | 429    | 459     | 496  | 538     | 594    | 668     | 752  | 855    |
| 8.75°   | 367     | 390  | 416     | 445    | 480     | 522  | 577     | 651    | 742     | 855  | 998    |
| 7.5°    | 376     | 400  | 427     | 460    | 500     | 550  | 620     | 711    | 826     | 977  | 1172   |
| 6.25°   | 383     | 409  | 439     | 475    | 519     | 578  | 662     | 768    | 913     | 1110 | 1374   |
| 5°      | 389     | 417  | 448     | 488    | 536     | 607  | 704     | 832    | 1007    | 1250 | 1589   |
| 3.75°   | 394     | 423  | 456     | 499    | 554     | 633  | 739     | 883    | 1092    | 1395 | 1803   |
| 2.5°    | 398     | 427  | 462     | 508    | 566     | 653  | 766     | 931    | 1169    | 1513 | 1967   |
| 1.25°   | 400     | 430  | 467     | 513    | 574     | 664  | 787     | 962    | 1216    | 1587 | 2079   |
| 0°      | 401     | 431  | 468     | 515    | 577     | 668  | 794     | 973    | 1232    | 1611 | 2118   |
| -1.25°  | 400     | 430  | 467     | 513    | 574     | 664  | 787     | 962    | 1216    | 1587 | 2079   |
| -2.5°   | 398     | 427  | 462     | 508    | 566     | 653  | 766     | 931    | 1169    | 1513 | 1967   |
| -3.75°  | 394     | 423  | 456     | 499    | 554     | 633  | 739     | 883    | 1092    | 1395 | 1803   |
| -5°     | 389     | 417  | 448     | 488    | 536     | 607  | 704     | 832    | 1007    | 1250 | 1589   |
| -6.25°  | 383     | 409  | 439     | 475    | 519     | 578  | 662     | 768    | 913     | 1110 | 1374   |
| -7.5°   | 376     | 400  | 427     | 460    | 500     | 550  | 620     | 711    | 826     | 977  | 1172   |
| -8.75°  | 367     | 390  | 416     | 445    | 480     | 522  | 577     | 651    | 742     | 855  | 998    |
| -10°    | 356     | 380  | 403     | 429    | 459     | 496  | 538     | 594    | 668     | 752  | 855    |
| -11.25° | 344     | 369  | 390     | 414    | 440     | 471  | 507     | 548    | 602     | 668  | 742    |
| -12.5°  | 327     | 355  | 377     | 398    | 421     | 447  | 477     | 510    | 548     | 594  | 651    |
| -13.75° | 307     | 339  | 363     | 383    | 403     | 425  | 449     | 477    | 507     | 538  | 577    |
| -15°    | 282     | 317  | 346     | 367    | 386     | 405  | 425     | 447    | 471     | 496  | 522    |
| -16.25° | 255     | 292  | 323     | 349    | 369     | 386  | 403     | 421    | 440     | 459  | 480    |
| -17.5°  | 226     | 263  | 296     | 325    | 349     | 367  | 383     | 398    | 414     | 429  | 445    |
| -18.75° | 193     | 231  | 265     | 296    | 323     | 346  | 363     | 377    | 390     | 403  | 416    |
| -20°    | 159     | 195  | 231     | 263    | 292     | 317  | 339     | 355    | 369     | 380  | 390    |
| -21.25° | 126     | 159  | 193     | 226    | 255     | 282  | 307     | 327    | 344     | 356  | 367    |



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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° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| -22.5°  | 97      | 124  | 154     | 186    | 216     | 244  | 269     | 291    | 311     | 326  | 340    |
| -23.75° | 70      | 94   | 117     | 145    | 174     | 201  | 227     | 250    | 270     | 288  | 304    |
| -25°    | 42      | 65   | 87      | 108    | 132     | 157  | 182     | 204    | 226     | 244  | 260    |
| -26.25° | 31      | 37   | 57      | 78     | 97      | 115  | 137     | 158    | 178     | 196  | 213    |
| -27.5°  | 23      | 29   | 35      | 46     | 65      | 82   | 99      | 114    | 132     | 148  | 163    |
| -28.75° | 16      | 21   | 26      | 31     | 36      | 49   | 65      | 79     | 93      | 105  | 116    |
| -30°    | 14      | 16   | 17      | 22     | 27      | 32   | 36      | 45     | 58      | 69   | 79     |
| -31.25° | 12      | 14   | 15      | 16     | 18      | 22   | 26      | 30     | 33      | 37   | 43     |
| -32.5°  | 11      | 12   | 13      | 14     | 15      | 16   | 17      | 20     | 23      | 26   | 29     |
| -33.75° | 10      | 10   | 11      | 12     | 13      | 14   | 14      | 15     | 16      | 16   | 19     |
| -35°    | 8       | 9    | 10      | 10     | 11      | 12   | 12      | 13     | 14      | 14   | 15     |
| -36.25° | 6       | 7    | 8       | 9      | 9       | 10   | 11      | 11     | 12      | 12   | 13     |
| -37.5°  | 5       | 5    | 6       | 7      | 8       | 8    | 9       | 9      | 10      | 10   | 11     |
| -38.75° | 4       | 4    | 4       | 5      | 6       | 7    | 7       | 8      | 8       | 9    | 9      |
| -40°    | 4       | 4    | 4       | 4      | 4       | 5    | 5       | 6      | 6       | 7    | 7      |
| -41.25° | 3       | 3    | 4       | 4      | 4       | 4    | 4       | 4      | 4       | 5    | 5      |
| -42.5°  | 3       | 3    | 3       | 3      | 3       | 4    | 4       | 4      | 4       | 4    | 4      |
| -43.75° | 3       | 3    | 3       | 3      | 3       | 3    | 3       | 3      | 3       | 4    | 4      |
| -45°    | 2       | 3    | 3       | 3      | 3       | 3    | 3       | 3      | 3       | 3    | 3      |
| -46.25° | 2       | 2    | 2       | 3      | 3       | 3    | 3       | 3      | 3       | 3    | 3      |
| -47.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 3      | 3       | 3    | 3      |
| -48.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -50°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -51.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -52.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -53.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -55°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -56.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -57.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -58.75° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -60°    | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -61.25° | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -62.5°  | 2       | 2    | 2       | 2      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -63.75° | 1       | 1    | 1       | 1      | 2       | 2    | 2       | 2      | 2       | 2    | 2      |
| -65°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -66.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -67.5°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -68.75° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -70°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -71.25° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -72.5°  | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -73.75° | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -75°    | 1       | 1    | 1       | 1      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -76.25° | 0       | 0    | 0       | 0      | 1       | 1    | 1       | 1      | 1       | 1    | 1      |
| -77.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 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° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -80°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -81.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -82.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -83.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -85°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -86.25° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -87.5°  | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -88.75° | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |
| -90°    | 0       | 0    | 0       | 0      | 0       | 0    | 0       | 0      | 0       | 0    | 0      |



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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  |
| 88.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 87.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 86.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 85°    | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 83.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 82.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 81.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 80°    | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 78.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 77.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| 76.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 75°    | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 73.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 72.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 71.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 70°    | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 68.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 67.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 66.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1  | 1     | 1    | 1     | 1  |
| 65°    | 1     | 1      | 1   | 1      | 1     | 1      | 2  | 1     | 1    | 1     | 1  |
| 63.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 62.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 61.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 60°    | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 58.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 57.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 56.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 55°    | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 53.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 52.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 51.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 50°    | 2     | 2      | 2   | 2      | 2     | 2      | 2  | 2     | 2    | 2     | 2  |
| 48.75° | 2     | 2      | 2   | 2      | 2     | 2      | 3  | 2     | 2    | 2     | 2  |
| 47.5°  | 3     | 3      | 3   | 3      | 3     | 3      | 3  | 3     | 3    | 3     | 3  |
| 46.25° | 3     | 3      | 3   | 3      | 3     | 3      | 3  | 3     | 3    | 3     | 3  |
| 45°    | 3     | 3      | 3   | 3      | 3     | 3      | 3  | 3     | 3    | 3     | 3  |
| 43.75° | 4     | 4      | 4   | 4      | 4     | 4      | 4  | 4     | 4    | 4     | 4  |
| 42.5°  | 4     | 4      | 4   | 4      | 4     | 4      | 4  | 4     | 4    | 4     | 4  |
| 41.25° | 5     | 6      | 6   | 6      | 6     | 6      | 6  | 6     | 6    | 6     | 6  |
| 40°    | 7     | 8      | 8   | 8      | 8     | 8      | 8  | 8     | 8    | 8     | 8  |
| 38.75° | 9     | 10     | 10  | 10     | 10    | 10     | 10 | 10    | 10   | 10    | 10 |
| 37.5°  | 11    | 11     | 12  | 12     | 12    | 12     | 12 | 12    | 12   | 12    | 12 |
| 36.25° | 13    | 13     | 14  | 14     | 14    | 14     | 14 | 14    | 14   | 14    | 14 |
| 35°    | 15    | 16     | 16  | 16     | 16    | 16     | 17 | 16    | 16   | 16    | 16 |



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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°  | 21    | 23     | 24   | 26     | 27    | 27     | 27   | 27    | 27   | 26    | 24   |
| 32.5°   | 31    | 33     | 35   | 36     | 37    | 38     | 38   | 38    | 37   | 36    | 35   |
| 31.25°  | 52    | 59     | 65   | 70     | 73    | 75     | 76   | 75    | 73   | 70    | 65   |
| 30°     | 89    | 96     | 103  | 108    | 111   | 113    | 114  | 113   | 111  | 108   | 103  |
| 28.75°  | 128   | 139    | 147  | 154    | 159   | 162    | 164  | 162   | 159  | 154   | 147  |
| 27.5°   | 177   | 189    | 198  | 206    | 211   | 215    | 216  | 215   | 211  | 206   | 198  |
| 26.25°  | 227   | 240    | 249  | 256    | 262   | 265    | 266  | 265   | 262  | 256   | 249  |
| 25°     | 274   | 286    | 295  | 302    | 307   | 311    | 312  | 311   | 307  | 302   | 295  |
| 23.75°  | 316   | 327    | 335  | 341    | 345   | 347    | 348  | 347   | 345  | 341   | 335  |
| 22.5°   | 350   | 358    | 365  | 369    | 373   | 374    | 375  | 374   | 373  | 369   | 365  |
| 21.25°  | 376   | 383    | 389  | 394    | 398   | 400    | 401  | 400   | 398  | 394   | 389  |
| 20°     | 400   | 409    | 417  | 423    | 427   | 430    | 431  | 430   | 427  | 423   | 417  |
| 18.75°  | 427   | 439    | 448  | 456    | 462   | 467    | 468  | 467   | 462  | 456   | 448  |
| 17.5°   | 460   | 475    | 488  | 499    | 508   | 513    | 515  | 513   | 508  | 499   | 488  |
| 16.25°  | 500   | 519    | 536  | 554    | 566   | 574    | 577  | 574   | 566  | 554   | 536  |
| 15°     | 550   | 578    | 607  | 633    | 653   | 664    | 668  | 664   | 653  | 633   | 607  |
| 13.75°  | 620   | 662    | 704  | 739    | 766   | 787    | 794  | 787   | 766  | 739   | 704  |
| 12.5°   | 711   | 768    | 832  | 883    | 931   | 962    | 973  | 962   | 931  | 883   | 832  |
| 11.25°  | 826   | 913    | 1007 | 1092   | 1169  | 1216   | 1232 | 1216  | 1169 | 1092  | 1007 |
| 10°     | 977   | 1110   | 1250 | 1395   | 1513  | 1587   | 1611 | 1587  | 1513 | 1395  | 1250 |
| 8.75°   | 1172  | 1374   | 1589 | 1803   | 1967  | 2079   | 2118 | 2079  | 1967 | 1803  | 1589 |
| 7.5°    | 1421  | 1709   | 2003 | 2285   | 2501  | 2638   | 2685 | 2638  | 2501 | 2285  | 2003 |
| 6.25°   | 1709  | 2082   | 2458 | 2783   | 3038  | 3202   | 3259 | 3202  | 3038 | 2783  | 2458 |
| 5°      | 2003  | 2458   | 2882 | 3260   | 3556  | 3748   | 3816 | 3748  | 3556 | 3260  | 2882 |
| 3.75°   | 2285  | 2783   | 3260 | 3683   | 4006  | 4215   | 4278 | 4215  | 4006 | 3683  | 3260 |
| 2.5°    | 2501  | 3038   | 3556 | 4006   | 4345  | 4558   | 4624 | 4558  | 4345 | 4006  | 3556 |
| 1.25°   | 2638  | 3202   | 3748 | 4215   | 4558  | 4767   | 4838 | 4767  | 4558 | 4215  | 3748 |
| 0°      | 2685  | 3259   | 3816 | 4278   | 4624  | 4838   | 4933 | 4838  | 4624 | 4278  | 3816 |
| -1.25°  | 2638  | 3202   | 3748 | 4215   | 4558  | 4767   | 4838 | 4767  | 4558 | 4215  | 3748 |
| -2.5°   | 2501  | 3038   | 3556 | 4006   | 4345  | 4558   | 4624 | 4558  | 4345 | 4006  | 3556 |
| -3.75°  | 2285  | 2783   | 3260 | 3683   | 4006  | 4215   | 4278 | 4215  | 4006 | 3683  | 3260 |
| -5°     | 2003  | 2458   | 2882 | 3260   | 3556  | 3748   | 3816 | 3748  | 3556 | 3260  | 2882 |
| -6.25°  | 1709  | 2082   | 2458 | 2783   | 3038  | 3202   | 3259 | 3202  | 3038 | 2783  | 2458 |
| -7.5°   | 1421  | 1709   | 2003 | 2285   | 2501  | 2638   | 2685 | 2638  | 2501 | 2285  | 2003 |
| -8.75°  | 1172  | 1374   | 1589 | 1803   | 1967  | 2079   | 2118 | 2079  | 1967 | 1803  | 1589 |
| -10°    | 977   | 1110   | 1250 | 1395   | 1513  | 1587   | 1611 | 1587  | 1513 | 1395  | 1250 |
| -11.25° | 826   | 913    | 1007 | 1092   | 1169  | 1216   | 1232 | 1216  | 1169 | 1092  | 1007 |
| -12.5°  | 711   | 768    | 832  | 883    | 931   | 962    | 973  | 962   | 931  | 883   | 832  |
| -13.75° | 620   | 662    | 704  | 739    | 766   | 787    | 794  | 787   | 766  | 739   | 704  |
| -15°    | 550   | 578    | 607  | 633    | 653   | 664    | 668  | 664   | 653  | 633   | 607  |
| -16.25° | 500   | 519    | 536  | 554    | 566   | 574    | 577  | 574   | 566  | 554   | 536  |
| -17.5°  | 460   | 475    | 488  | 499    | 508   | 513    | 515  | 513   | 508  | 499   | 488  |
| -18.75° | 427   | 439    | 448  | 456    | 462   | 467    | 468  | 467   | 462  | 456   | 448  |
| -20°    | 400   | 409    | 417  | 423    | 427   | 430    | 431  | 430   | 427  | 423   | 417  |
| -21.25° | 376   | 383    | 389  | 394    | 398   | 400    | 401  | 400   | 398  | 394   | 389  |





REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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°  | 350   | 358    | 365 | 369    | 373   | 374    | 375 | 374   | 373  | 369   | 365 |
| -23.75° | 316   | 327    | 335 | 341    | 345   | 347    | 348 | 347   | 345  | 341   | 335 |
| -25°    | 274   | 286    | 295 | 302    | 307   | 311    | 312 | 311   | 307  | 302   | 295 |
| -26.25° | 227   | 240    | 249 | 256    | 262   | 265    | 266 | 265   | 262  | 256   | 249 |
| -27.5°  | 177   | 189    | 198 | 206    | 211   | 215    | 216 | 215   | 211  | 206   | 198 |
| -28.75° | 128   | 139    | 147 | 154    | 159   | 162    | 164 | 162   | 159  | 154   | 147 |
| -30°    | 89    | 96     | 103 | 108    | 111   | 113    | 114 | 113   | 111  | 108   | 103 |
| -31.25° | 52    | 59     | 65  | 70     | 73    | 75     | 76  | 75    | 73   | 70    | 65  |
| -32.5°  | 31    | 33     | 35  | 36     | 37    | 38     | 38  | 38    | 37   | 36    | 35  |
| -33.75° | 21    | 23     | 24  | 26     | 27    | 27     | 27  | 27    | 27   | 26    | 24  |
| -35°    | 15    | 16     | 16  | 16     | 16    | 16     | 17  | 16    | 16   | 16    | 16  |
| -36.25° | 13    | 13     | 14  | 14     | 14    | 14     | 14  | 14    | 14   | 14    | 14  |
| -37.5°  | 11    | 11     | 12  | 12     | 12    | 12     | 12  | 12    | 12   | 12    | 12  |
| -38.75° | 9     | 10     | 10  | 10     | 10    | 10     | 10  | 10    | 10   | 10    | 10  |
| -40°    | 7     | 8      | 8   | 8      | 8     | 8      | 8   | 8     | 8    | 8     | 8   |
| -41.25° | 5     | 6      | 6   | 6      | 6     | 6      | 6   | 6     | 6    | 6     | 6   |
| -42.5°  | 4     | 4      | 4   | 4      | 4     | 4      | 4   | 4     | 4    | 4     | 4   |
| -43.75° | 4     | 4      | 4   | 4      | 4     | 4      | 4   | 4     | 4    | 4     | 4   |
| -45°    | 3     | 3      | 3   | 3      | 3     | 3      | 3   | 3     | 3    | 3     | 3   |
| -46.25° | 3     | 3      | 3   | 3      | 3     | 3      | 3   | 3     | 3    | 3     | 3   |
| -47.5°  | 3     | 3      | 3   | 3      | 3     | 3      | 3   | 3     | 3    | 3     | 3   |
| -48.75° | 2     | 2      | 2   | 2      | 2     | 2      | 3   | 2     | 2    | 2     | 2   |
| -50°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -51.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -52.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -53.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -55°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -56.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -57.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -58.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -60°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -61.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -62.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -63.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2     | 2    | 2     | 2   |
| -65°    | 1     | 1      | 1   | 1      | 1     | 1      | 2   | 1     | 1    | 1     | 1   |
| -66.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -67.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -68.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -70°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -71.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -72.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -73.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -75°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -76.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1     | 1    | 1     | 1   |
| -77.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0     | 0    | 0     | 0   |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -80°    | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -81.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -82.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -83.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -85°    | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -86.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -87.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -88.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |
| -90°    | 0     | 0      | 0   | 0      | 0     | 0      | 0  | 0     | 0    | 0     | 0  |



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**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      |
| 88.75° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 87.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 86.25° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 85°    | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 83.75° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 82.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 81.25° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 80°    | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 78.75° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 77.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 76.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| 75°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 73.75° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 72.5°  | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 71.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 70°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 68.75° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 67.5°  | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 66.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 65°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 63.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      |
| 62.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 61.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 60°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 58.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 57.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 56.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 55°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 53.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 52.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 51.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 50°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 48.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| 47.5°  | 3     | 3    | 3     | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      |
| 46.25° | 3     | 3    | 3     | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 2      |
| 45°    | 3     | 3    | 3     | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 3      |
| 43.75° | 4     | 4    | 4     | 4   | 3      | 3     | 3      | 3   | 3      | 3     | 3      |
| 42.5°  | 4     | 4    | 4     | 4   | 4      | 4     | 4      | 4   | 3      | 3     | 3      |
| 41.25° | 6     | 5    | 5     | 5   | 4      | 4     | 4      | 4   | 4      | 4     | 4      |
| 40°    | 8     | 7    | 7     | 7   | 6      | 6     | 5      | 5   | 4      | 4     | 4      |
| 38.75° | 10    | 9    | 9     | 9   | 8      | 8     | 7      | 7   | 6      | 5     | 4      |
| 37.5°  | 11    | 11   | 11    | 10  | 10     | 9     | 9      | 8   | 8      | 7     | 6      |
| 36.25° | 13    | 13   | 13    | 12  | 12     | 11    | 11     | 10  | 9      | 9     | 8      |
| 35°    | 16    | 15   | 15    | 14  | 14     | 13    | 12     | 12  | 11     | 10    | 10     |



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**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°  | 23    | 21   | 19    | 16   | 16     | 15    | 14     | 14  | 13     | 12    | 11     |
| 32.5°   | 33    | 31   | 29    | 26   | 23     | 20    | 17     | 16  | 15     | 14    | 13     |
| 31.25°  | 59    | 52   | 43    | 37   | 33     | 30    | 26     | 22  | 18     | 16    | 15     |
| 30°     | 96    | 89   | 79    | 69   | 58     | 45    | 36     | 32  | 27     | 22    | 17     |
| 28.75°  | 139   | 128  | 116   | 105  | 93     | 79    | 65     | 49  | 36     | 31    | 26     |
| 27.5°   | 189   | 177  | 163   | 148  | 132    | 114   | 99     | 82  | 65     | 46    | 35     |
| 26.25°  | 240   | 227  | 213   | 196  | 178    | 158   | 137    | 115 | 97     | 78    | 57     |
| 25°     | 286   | 274  | 260   | 244  | 226    | 204   | 182    | 157 | 132    | 108   | 87     |
| 23.75°  | 327   | 316  | 304   | 288  | 270    | 250   | 227    | 201 | 174    | 145   | 117    |
| 22.5°   | 358   | 350  | 340   | 326  | 311    | 291   | 269    | 244 | 216    | 186   | 154    |
| 21.25°  | 383   | 376  | 367   | 356  | 344    | 327   | 307    | 282 | 255    | 226   | 193    |
| 20°     | 409   | 400  | 390   | 380  | 369    | 355   | 339    | 317 | 292    | 263   | 231    |
| 18.75°  | 439   | 427  | 416   | 403  | 390    | 377   | 363    | 346 | 323    | 296   | 265    |
| 17.5°   | 475   | 460  | 445   | 429  | 414    | 398   | 383    | 367 | 349    | 325   | 296    |
| 16.25°  | 519   | 500  | 480   | 459  | 440    | 421   | 403    | 386 | 369    | 349   | 323    |
| 15°     | 578   | 550  | 522   | 496  | 471    | 447   | 425    | 405 | 386    | 367   | 346    |
| 13.75°  | 662   | 620  | 577   | 538  | 507    | 477   | 449    | 425 | 403    | 383   | 363    |
| 12.5°   | 768   | 711  | 651   | 594  | 548    | 510   | 477    | 447 | 421    | 398   | 377    |
| 11.25°  | 913   | 826  | 742   | 668  | 602    | 548   | 507    | 471 | 440    | 414   | 390    |
| 10°     | 1110  | 977  | 855   | 752  | 668    | 594   | 538    | 496 | 459    | 429   | 403    |
| 8.75°   | 1374  | 1172 | 998   | 855  | 742    | 651   | 577    | 522 | 480    | 445   | 416    |
| 7.5°    | 1709  | 1421 | 1172  | 977  | 826    | 711   | 620    | 550 | 500    | 460   | 427    |
| 6.25°   | 2082  | 1709 | 1374  | 1110 | 913    | 768   | 662    | 578 | 519    | 475   | 439    |
| 5°      | 2458  | 2003 | 1589  | 1250 | 1007   | 832   | 704    | 607 | 536    | 488   | 448    |
| 3.75°   | 2783  | 2285 | 1803  | 1395 | 1092   | 883   | 739    | 633 | 554    | 499   | 456    |
| 2.5°    | 3038  | 2501 | 1967  | 1513 | 1169   | 931   | 766    | 653 | 566    | 508   | 462    |
| 1.25°   | 3202  | 2638 | 2079  | 1587 | 1216   | 962   | 787    | 664 | 574    | 513   | 467    |
| 0°      | 3259  | 2685 | 2118  | 1611 | 1232   | 973   | 794    | 668 | 577    | 515   | 468    |
| -1.25°  | 3202  | 2638 | 2079  | 1587 | 1216   | 962   | 787    | 664 | 574    | 513   | 467    |
| -2.5°   | 3038  | 2501 | 1967  | 1513 | 1169   | 931   | 766    | 653 | 566    | 508   | 462    |
| -3.75°  | 2783  | 2285 | 1803  | 1395 | 1092   | 883   | 739    | 633 | 554    | 499   | 456    |
| -5°     | 2458  | 2003 | 1589  | 1250 | 1007   | 832   | 704    | 607 | 536    | 488   | 448    |
| -6.25°  | 2082  | 1709 | 1374  | 1110 | 913    | 768   | 662    | 578 | 519    | 475   | 439    |
| -7.5°   | 1709  | 1421 | 1172  | 977  | 826    | 711   | 620    | 550 | 500    | 460   | 427    |
| -8.75°  | 1374  | 1172 | 998   | 855  | 742    | 651   | 577    | 522 | 480    | 445   | 416    |
| -10°    | 1110  | 977  | 855   | 752  | 668    | 594   | 538    | 496 | 459    | 429   | 403    |
| -11.25° | 913   | 826  | 742   | 668  | 602    | 548   | 507    | 471 | 440    | 414   | 390    |
| -12.5°  | 768   | 711  | 651   | 594  | 548    | 510   | 477    | 447 | 421    | 398   | 377    |
| -13.75° | 662   | 620  | 577   | 538  | 507    | 477   | 449    | 425 | 403    | 383   | 363    |
| -15°    | 578   | 550  | 522   | 496  | 471    | 447   | 425    | 405 | 386    | 367   | 346    |
| -16.25° | 519   | 500  | 480   | 459  | 440    | 421   | 403    | 386 | 369    | 349   | 323    |
| -17.5°  | 475   | 460  | 445   | 429  | 414    | 398   | 383    | 367 | 349    | 325   | 296    |
| -18.75° | 439   | 427  | 416   | 403  | 390    | 377   | 363    | 346 | 323    | 296   | 265    |
| -20°    | 409   | 400  | 390   | 380  | 369    | 355   | 339    | 317 | 292    | 263   | 231    |
| -21.25° | 383   | 376  | 367   | 356  | 344    | 327   | 307    | 282 | 255    | 226   | 193    |



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**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°  | 358   | 350  | 340   | 326 | 311    | 291   | 269    | 244 | 216    | 186   | 154    |
| -23.75° | 327   | 316  | 304   | 288 | 270    | 250   | 227    | 201 | 174    | 145   | 117    |
| -25°    | 286   | 274  | 260   | 244 | 226    | 204   | 182    | 157 | 132    | 108   | 87     |
| -26.25° | 240   | 227  | 213   | 196 | 178    | 158   | 137    | 115 | 97     | 78    | 57     |
| -27.5°  | 189   | 177  | 163   | 148 | 132    | 114   | 99     | 82  | 65     | 46    | 35     |
| -28.75° | 139   | 128  | 116   | 105 | 93     | 79    | 65     | 49  | 36     | 31    | 26     |
| -30°    | 96    | 89   | 79    | 69  | 58     | 45    | 36     | 32  | 27     | 22    | 17     |
| -31.25° | 59    | 52   | 43    | 37  | 33     | 30    | 26     | 22  | 18     | 16    | 15     |
| -32.5°  | 33    | 31   | 29    | 26  | 23     | 20    | 17     | 16  | 15     | 14    | 13     |
| -33.75° | 23    | 21   | 19    | 16  | 16     | 15    | 14     | 14  | 13     | 12    | 11     |
| -35°    | 16    | 15   | 15    | 14  | 14     | 13    | 12     | 12  | 11     | 10    | 10     |
| -36.25° | 13    | 13   | 13    | 12  | 12     | 11    | 11     | 10  | 9      | 9     | 8      |
| -37.5°  | 11    | 11   | 11    | 10  | 10     | 9     | 9      | 8   | 8      | 7     | 6      |
| -38.75° | 10    | 9    | 9     | 9   | 8      | 8     | 7      | 7   | 6      | 5     | 4      |
| -40°    | 8     | 7    | 7     | 7   | 6      | 6     | 5      | 5   | 4      | 4     | 4      |
| -41.25° | 6     | 5    | 5     | 5   | 4      | 4     | 4      | 4   | 4      | 4     | 4      |
| -42.5°  | 4     | 4    | 4     | 4   | 4      | 4     | 4      | 4   | 3      | 3     | 3      |
| -43.75° | 4     | 4    | 4     | 4   | 3      | 3     | 3      | 3   | 3      | 3     | 3      |
| -45°    | 3     | 3    | 3     | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 3      |
| -46.25° | 3     | 3    | 3     | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 2      |
| -47.5°  | 3     | 3    | 3     | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      |
| -48.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -50°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -51.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -52.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -53.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -55°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -56.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -57.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -58.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -60°    | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -61.25° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -62.5°  | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      |
| -63.75° | 2     | 2    | 2     | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      |
| -65°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -66.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -67.5°  | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -68.75° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -70°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -71.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -72.5°  | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -73.75° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -75°    | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -76.25° | 1     | 1    | 1     | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| -77.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |



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**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° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -80°    | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -81.25° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -82.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -83.75° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -85°    | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -86.25° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -87.5°  | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -88.75° | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -90°    | 0     | 0    | 0     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |



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**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     |
| 88.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 87.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 86.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 85°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 83.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 82.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 81.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 80°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 78.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 77.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 76.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 75°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     |
| 73.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 72.5°  | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 71.25° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 70°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 68.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 67.5°  | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 66.25° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 65°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 63.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 62.5°  | 2   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| 61.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     |
| 60°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     |
| 58.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 57.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 56.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 55°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 53.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 52.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 51.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 50°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 48.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 47.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 46.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 45°    | 3   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 43.75° | 3   | 3      | 3     | 3      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| 42.5°  | 3   | 3      | 3     | 3      | 3   | 3      | 2     | 2      | 2   | 2      | 2     |
| 41.25° | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     |
| 40°    | 4   | 4      | 3     | 3      | 3   | 3      | 3     | 3      | 3   | 2      | 2     |
| 38.75° | 4   | 4      | 4     | 4      | 3   | 3      | 3     | 3      | 3   | 3      | 2     |
| 37.5°  | 5   | 5      | 4     | 4      | 4   | 4      | 3     | 3      | 3   | 3      | 3     |
| 36.25° | 7   | 6      | 5     | 4      | 4   | 4      | 4     | 3      | 3   | 3      | 3     |
| 35°    | 9   | 8      | 7     | 6      | 5   | 4      | 4     | 4      | 3   | 3      | 3     |



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**CANDELA DISTRIBUTION (continued):**

|         | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| 33.75°  | 10  | 10     | 9     | 8      | 7   | 5      | 4     | 4      | 4   | 3      | 3     |
| 32.5°   | 12  | 11     | 10    | 9      | 8   | 7      | 6     | 5      | 4   | 4      | 4     |
| 31.25°  | 14  | 12     | 11    | 10     | 10  | 8      | 7     | 6      | 5   | 4      | 4     |
| 30°     | 16  | 14     | 13    | 12     | 11  | 10     | 9     | 7      | 6   | 5      | 4     |
| 28.75°  | 21  | 16     | 15    | 13     | 12  | 11     | 10    | 9      | 7   | 6      | 5     |
| 27.5°   | 29  | 23     | 17    | 15     | 14  | 12     | 11    | 10     | 9   | 7      | 6     |
| 26.25°  | 37  | 31     | 25    | 18     | 15  | 14     | 12    | 11     | 10  | 8      | 7     |
| 25°     | 65  | 42     | 32    | 26     | 18  | 15     | 14    | 12     | 11  | 10     | 8     |
| 23.75°  | 94  | 70     | 45    | 33     | 26  | 18     | 15    | 13     | 12  | 10     | 9     |
| 22.5°   | 124 | 97     | 71    | 45     | 32  | 25     | 17    | 15     | 13  | 11     | 10    |
| 21.25°  | 159 | 126    | 97    | 70     | 42  | 31     | 23    | 16     | 14  | 12     | 11    |
| 20°     | 195 | 159    | 124   | 94     | 65  | 37     | 29    | 21     | 16  | 14     | 12    |
| 18.75°  | 231 | 193    | 154   | 117    | 87  | 57     | 35    | 26     | 17  | 15     | 13    |
| 17.5°   | 263 | 226    | 186   | 145    | 108 | 78     | 46    | 31     | 22  | 16     | 14    |
| 16.25°  | 292 | 255    | 216   | 174    | 132 | 97     | 65    | 36     | 27  | 18     | 15    |
| 15°     | 317 | 282    | 244   | 201    | 157 | 115    | 82    | 49     | 32  | 22     | 16    |
| 13.75°  | 339 | 307    | 269   | 227    | 182 | 137    | 99    | 65     | 36  | 26     | 17    |
| 12.5°   | 355 | 327    | 291   | 250    | 204 | 158    | 114   | 79     | 45  | 30     | 20    |
| 11.25°  | 369 | 344    | 311   | 270    | 226 | 178    | 132   | 93     | 58  | 33     | 23    |
| 10°     | 380 | 356    | 326   | 288    | 244 | 196    | 148   | 105    | 69  | 37     | 26    |
| 8.75°   | 390 | 367    | 340   | 304    | 260 | 213    | 163   | 116    | 79  | 43     | 29    |
| 7.5°    | 400 | 376    | 350   | 316    | 274 | 227    | 177   | 128    | 89  | 52     | 31    |
| 6.25°   | 409 | 383    | 358   | 327    | 286 | 240    | 189   | 139    | 96  | 59     | 33    |
| 5°      | 417 | 389    | 365   | 335    | 295 | 249    | 198   | 147    | 103 | 65     | 35    |
| 3.75°   | 423 | 394    | 369   | 341    | 302 | 256    | 206   | 154    | 108 | 70     | 36    |
| 2.5°    | 427 | 398    | 373   | 345    | 307 | 262    | 211   | 159    | 111 | 73     | 37    |
| 1.25°   | 430 | 400    | 374   | 347    | 311 | 265    | 215   | 162    | 113 | 75     | 38    |
| 0°      | 431 | 401    | 375   | 348    | 312 | 266    | 216   | 164    | 114 | 76     | 38    |
| -1.25°  | 430 | 400    | 374   | 347    | 311 | 265    | 215   | 162    | 113 | 75     | 38    |
| -2.5°   | 427 | 398    | 373   | 345    | 307 | 262    | 211   | 159    | 111 | 73     | 37    |
| -3.75°  | 423 | 394    | 369   | 341    | 302 | 256    | 206   | 154    | 108 | 70     | 36    |
| -5°     | 417 | 389    | 365   | 335    | 295 | 249    | 198   | 147    | 103 | 65     | 35    |
| -6.25°  | 409 | 383    | 358   | 327    | 286 | 240    | 189   | 139    | 96  | 59     | 33    |
| -7.5°   | 400 | 376    | 350   | 316    | 274 | 227    | 177   | 128    | 89  | 52     | 31    |
| -8.75°  | 390 | 367    | 340   | 304    | 260 | 213    | 163   | 116    | 79  | 43     | 29    |
| -10°    | 380 | 356    | 326   | 288    | 244 | 196    | 148   | 105    | 69  | 37     | 26    |
| -11.25° | 369 | 344    | 311   | 270    | 226 | 178    | 132   | 93     | 58  | 33     | 23    |
| -12.5°  | 355 | 327    | 291   | 250    | 204 | 158    | 114   | 79     | 45  | 30     | 20    |
| -13.75° | 339 | 307    | 269   | 227    | 182 | 137    | 99    | 65     | 36  | 26     | 17    |
| -15°    | 317 | 282    | 244   | 201    | 157 | 115    | 82    | 49     | 32  | 22     | 16    |
| -16.25° | 292 | 255    | 216   | 174    | 132 | 97     | 65    | 36     | 27  | 18     | 15    |
| -17.5°  | 263 | 226    | 186   | 145    | 108 | 78     | 46    | 31     | 22  | 16     | 14    |
| -18.75° | 231 | 193    | 154   | 117    | 87  | 57     | 35    | 26     | 17  | 15     | 13    |
| -20°    | 195 | 159    | 124   | 94     | 65  | 37     | 29    | 21     | 16  | 14     | 12    |
| -21.25° | 159 | 126    | 97    | 70     | 42  | 31     | 23    | 16     | 14  | 12     | 11    |





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**CANDELA DISTRIBUTION (continued):**

|         | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -22.5°  | 124 | 97     | 71    | 45     | 32  | 25     | 17    | 15     | 13  | 11     | 10    |
| -23.75° | 94  | 70     | 45    | 33     | 26  | 18     | 15    | 13     | 12  | 10     | 9     |
| -25°    | 65  | 42     | 32    | 26     | 18  | 15     | 14    | 12     | 11  | 10     | 8     |
| -26.25° | 37  | 31     | 25    | 18     | 15  | 14     | 12    | 11     | 10  | 8      | 7     |
| -27.5°  | 29  | 23     | 17    | 15     | 14  | 12     | 11    | 10     | 9   | 7      | 6     |
| -28.75° | 21  | 16     | 15    | 13     | 12  | 11     | 10    | 9      | 7   | 6      | 5     |
| -30°    | 16  | 14     | 13    | 12     | 11  | 10     | 9     | 7      | 6   | 5      | 4     |
| -31.25° | 14  | 12     | 11    | 10     | 10  | 8      | 7     | 6      | 5   | 4      | 4     |
| -32.5°  | 12  | 11     | 10    | 9      | 8   | 7      | 6     | 5      | 4   | 4      | 4     |
| -33.75° | 10  | 10     | 9     | 8      | 7   | 5      | 4     | 4      | 4   | 3      | 3     |
| -35°    | 9   | 8      | 7     | 6      | 5   | 4      | 4     | 4      | 3   | 3      | 3     |
| -36.25° | 7   | 6      | 5     | 4      | 4   | 4      | 4     | 3      | 3   | 3      | 3     |
| -37.5°  | 5   | 5      | 4     | 4      | 4   | 4      | 3     | 3      | 3   | 3      | 3     |
| -38.75° | 4   | 4      | 4     | 4      | 3   | 3      | 3     | 3      | 3   | 3      | 2     |
| -40°    | 4   | 4      | 3     | 3      | 3   | 3      | 3     | 3      | 3   | 2      | 2     |
| -41.25° | 3   | 3      | 3     | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     |
| -42.5°  | 3   | 3      | 3     | 3      | 3   | 3      | 2     | 2      | 2   | 2      | 2     |
| -43.75° | 3   | 3      | 3     | 3      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -45°    | 3   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -46.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -47.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -48.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -50°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -51.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -52.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -53.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -55°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -56.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -57.5°  | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -58.75° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     |
| -60°    | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     |
| -61.25° | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     |
| -62.5°  | 2   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -63.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -65°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -66.25° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -67.5°  | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -68.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -70°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -71.25° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -72.5°  | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -73.75° | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     |
| -75°    | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     |
| -76.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -77.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |



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**CANDELA DISTRIBUTION (continued):**

|         | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -78.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -80°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -81.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -82.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -83.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -85°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -86.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -87.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -88.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -90°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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      |
| 88.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 87.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 86.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 85°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 83.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 82.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 81.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 80°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 78.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 77.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 76.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 75°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 73.75° | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| 72.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      |
| 71.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      |
| 70°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 68.75° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 67.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 66.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 65°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 63.75° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 62.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 61.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 60°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 58.75° | 2      | 2   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 57.5°  | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| 56.25° | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   | 1      |
| 55°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      |
| 53.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   | 1      |
| 52.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      |
| 51.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 50°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 48.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 47.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 46.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 45°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 43.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 42.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 41.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 40°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 38.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 37.5°  | 3      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 36.25° | 3      | 3   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 35°    | 3      | 3   | 3      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |



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**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|---------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| 33.75°  | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 32.5°   | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| 31.25°  | 3      | 3   | 3      | 3     | 3      | 2   | 2      | 2     | 2      | 2   | 2      |
| 30°     | 4      | 3   | 3      | 3     | 3      | 3   | 2      | 2     | 2      | 2   | 2      |
| 28.75°  | 4      | 4   | 3      | 3     | 3      | 3   | 2      | 2     | 2      | 2   | 2      |
| 27.5°   | 4      | 4   | 4      | 3     | 3      | 3   | 3      | 2     | 2      | 2   | 2      |
| 26.25°  | 5      | 4   | 4      | 4     | 3      | 3   | 3      | 3     | 2      | 2   | 2      |
| 25°     | 7      | 5   | 4      | 4     | 3      | 3   | 3      | 3     | 2      | 2   | 2      |
| 23.75°  | 8      | 6   | 4      | 4     | 4      | 3   | 3      | 3     | 3      | 2   | 2      |
| 22.5°   | 9      | 7   | 5      | 4     | 4      | 3   | 3      | 3     | 3      | 2   | 2      |
| 21.25°  | 10     | 8   | 6      | 5     | 4      | 4   | 3      | 3     | 3      | 2   | 2      |
| 20°     | 10     | 9   | 7      | 5     | 4      | 4   | 3      | 3     | 3      | 3   | 2      |
| 18.75°  | 11     | 10  | 8      | 6     | 4      | 4   | 4      | 3     | 3      | 3   | 2      |
| 17.5°   | 12     | 10  | 9      | 7     | 5      | 4   | 4      | 3     | 3      | 3   | 3      |
| 16.25°  | 13     | 11  | 9      | 8     | 6      | 4   | 4      | 3     | 3      | 3   | 3      |
| 15°     | 14     | 12  | 10     | 8     | 7      | 5   | 4      | 4     | 3      | 3   | 3      |
| 13.75°  | 14     | 12  | 11     | 9     | 7      | 5   | 4      | 4     | 3      | 3   | 3      |
| 12.5°   | 15     | 13  | 11     | 9     | 8      | 6   | 4      | 4     | 3      | 3   | 3      |
| 11.25°  | 16     | 14  | 12     | 10    | 8      | 6   | 4      | 4     | 3      | 3   | 3      |
| 10°     | 16     | 14  | 12     | 10    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| 8.75°   | 19     | 15  | 13     | 11    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| 7.5°    | 21     | 15  | 13     | 11    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| 6.25°   | 23     | 16  | 13     | 11    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| 5°      | 24     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| 3.75°   | 26     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| 2.5°    | 27     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| 1.25°   | 27     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| 0°      | 27     | 17  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -1.25°  | 27     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -2.5°   | 27     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -3.75°  | 26     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -5°     | 24     | 16  | 14     | 12    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -6.25°  | 23     | 16  | 13     | 11    | 10     | 8   | 6      | 4     | 4      | 3   | 3      |
| -7.5°   | 21     | 15  | 13     | 11    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| -8.75°  | 19     | 15  | 13     | 11    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| -10°    | 16     | 14  | 12     | 10    | 9      | 7   | 5      | 4     | 4      | 3   | 3      |
| -11.25° | 16     | 14  | 12     | 10    | 8      | 6   | 4      | 4     | 3      | 3   | 3      |
| -12.5°  | 15     | 13  | 11     | 9     | 8      | 6   | 4      | 4     | 3      | 3   | 3      |
| -13.75° | 14     | 12  | 11     | 9     | 7      | 5   | 4      | 4     | 3      | 3   | 3      |
| -15°    | 14     | 12  | 10     | 8     | 7      | 5   | 4      | 4     | 3      | 3   | 3      |
| -16.25° | 13     | 11  | 9      | 8     | 6      | 4   | 4      | 3     | 3      | 3   | 3      |
| -17.5°  | 12     | 10  | 9      | 7     | 5      | 4   | 4      | 3     | 3      | 3   | 3      |
| -18.75° | 11     | 10  | 8      | 6     | 4      | 4   | 4      | 3     | 3      | 3   | 2      |
| -20°    | 10     | 9   | 7      | 5     | 4      | 4   | 3      | 3     | 3      | 3   | 2      |
| -21.25° | 10     | 8   | 6      | 5     | 4      | 4   | 3      | 3     | 3      | 2   | 2      |



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**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|---------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| -22.5°  | 9      | 7   | 5      | 4     | 4      | 3   | 3      | 3     | 3      | 2   | 2      |
| -23.75° | 8      | 6   | 4      | 4     | 4      | 3   | 3      | 3     | 3      | 2   | 2      |
| -25°    | 7      | 5   | 4      | 4     | 3      | 3   | 3      | 3     | 2      | 2   | 2      |
| -26.25° | 5      | 4   | 4      | 4     | 3      | 3   | 3      | 3     | 2      | 2   | 2      |
| -27.5°  | 4      | 4   | 4      | 3     | 3      | 3   | 3      | 2     | 2      | 2   | 2      |
| -28.75° | 4      | 4   | 3      | 3     | 3      | 3   | 2      | 2     | 2      | 2   | 2      |
| -30°    | 4      | 3   | 3      | 3     | 3      | 3   | 2      | 2     | 2      | 2   | 2      |
| -31.25° | 3      | 3   | 3      | 3     | 3      | 2   | 2      | 2     | 2      | 2   | 2      |
| -32.5°  | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -33.75° | 3      | 3   | 3      | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -35°    | 3      | 3   | 3      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -36.25° | 3      | 3   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -37.5°  | 3      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -38.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -40°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -41.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -42.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -43.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -45°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -46.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -47.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -48.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -50°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -51.25° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      |
| -52.5°  | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      |
| -53.75° | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   | 1      |
| -55°    | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      |
| -56.25° | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   | 1      |
| -57.5°  | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -58.75° | 2      | 2   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -60°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -61.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -62.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -63.75° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -65°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -66.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -67.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -68.75° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -70°    | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      |
| -71.25° | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      |
| -72.5°  | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      |
| -73.75° | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -75°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -76.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -77.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |



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**CANDELA DISTRIBUTION (continued):**

|         | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|---------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| -78.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -80°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -81.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -82.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -83.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -85°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -86.25° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -87.5°  | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -88.75° | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |
| -90°    | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      |



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**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   |
| 88.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 87.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 86.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 85°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 83.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 82.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 81.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 80°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 78.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 77.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 76.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 75°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 73.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 72.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 71.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 70°    | 1     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 68.75° | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| 67.5°  | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      | 0   |
| 66.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   |
| 65°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   |
| 63.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   |
| 62.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 61.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 60°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 58.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 57.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 56.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 55°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 53.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 52.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 51.25° | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 50°    | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 48.75° | 2     | 2      | 2   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 47.5°  | 2     | 2      | 2   | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 46.25° | 2     | 2      | 2   | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| 45°    | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   |
| 43.75° | 2     | 2      | 2   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   |
| 42.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   |
| 41.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   |
| 40°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      | 1   |
| 38.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      | 1   |
| 37.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   |
| 36.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   |
| 35°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |



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**CANDELA DISTRIBUTION (continued):**

|         | 47.5° | 48.75° | 50° | 51.25° | 52.5° | 53.75° | 55° | 56.25° | 57.5° | 58.75° | 60° |
|---------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|
| 33.75°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |
| 32.5°   | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |
| 31.25°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 30°     | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 28.75°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 27.5°   | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 26.25°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 25°     | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 23.75°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 22.5°   | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 21.25°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 20°     | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 18.75°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 17.5°   | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 16.25°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 15°     | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 13.75°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 12.5°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 11.25°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 10°     | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 8.75°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 7.5°    | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 6.25°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 5°      | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 3.75°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 2.5°    | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 1.25°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| 0°      | 3     | 3      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -1.25°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -2.5°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -3.75°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -5°     | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -6.25°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -7.5°   | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -8.75°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -10°    | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -11.25° | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -12.5°  | 3     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -13.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -15°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -16.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -17.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -18.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -20°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -21.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -23.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -25°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -26.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -27.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -28.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -30°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -31.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 2   |
| -32.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |
| -33.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |
| -35°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 2      | 1   |
| -36.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   |
| -37.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 2     | 1      | 1   |
| -38.75° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      | 1   |
| -40°    | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 2      | 1     | 1      | 1   |
| -41.25° | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   |
| -42.5°  | 2     | 2      | 2   | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   |
| -43.75° | 2     | 2      | 2   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   |
| -45°    | 2     | 2      | 2   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   |
| -46.25° | 2     | 2      | 2   | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -47.5°  | 2     | 2      | 2   | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -48.75° | 2     | 2      | 2   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -50°    | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -51.25° | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -52.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -53.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -55°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -56.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -57.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -58.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -60°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -61.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -62.5°  | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   |
| -63.75° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   |
| -65°    | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   |
| -66.25° | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   |
| -67.5°  | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      | 0   |
| -68.75° | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -70°    | 1     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -71.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -72.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -73.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -75°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -76.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -77.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |



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**CANDELA DISTRIBUTION (continued):**

|         | 47.5° | 48.75° | 50° | 51.25° | 52.5° | 53.75° | 55° | 56.25° | 57.5° | 58.75° | 60° |
|---------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|
| -78.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -80°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -81.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -82.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -83.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -85°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -86.25° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -87.5°  | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -88.75° | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |
| -90°    | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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      |
| 88.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 87.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 86.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 85°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 83.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 82.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 81.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 80°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 78.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 77.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 76.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 75°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 73.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 72.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 71.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 70°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 68.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 67.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 66.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 65°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 63.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 62.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 61.25° | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 60°    | 1      | 1     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 58.75° | 1      | 1     | 1      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 57.5°  | 1      | 1     | 1      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 56.25° | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| 55°    | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      |
| 53.75° | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      |
| 52.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      |
| 51.25° | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      |
| 50°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   | 0      | 0     | 0      |
| 48.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   | 0      | 0     | 0      |
| 47.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      |
| 46.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      |
| 45°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| 43.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| 42.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| 41.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| 40°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| 38.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| 37.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| 36.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| 35°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |



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**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°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 32.5°   | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 31.25°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 30°     | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 28.75°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 27.5°   | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 26.25°  | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 25°     | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 23.75°  | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 22.5°   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 21.25°  | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 20°     | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 18.75°  | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 17.5°   | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 16.25°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 15°     | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 13.75°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 12.5°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 11.25°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 10°     | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 8.75°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 7.5°    | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 6.25°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 5°      | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 3.75°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 2.5°    | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 1.25°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| 0°      | 2      | 2     | 2      | 2   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -1.25°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -2.5°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -3.75°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -5°     | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -6.25°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -7.5°   | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -8.75°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -10°    | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -11.25° | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -12.5°  | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -13.75° | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -15°    | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -16.25° | 2      | 2     | 2      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -17.5°  | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -18.75° | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -20°    | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -21.25° | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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°  | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -23.75° | 2      | 2     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -25°    | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -26.25° | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -27.5°  | 2      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -28.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -30°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -31.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -32.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -33.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -35°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 1      |
| -36.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| -37.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| -38.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| -40°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 1     | 0      |
| -41.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| -42.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| -43.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| -45°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 1      | 0     | 0      |
| -46.25° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      |
| -47.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 1   | 0      | 0     | 0      |
| -48.75° | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   | 0      | 0     | 0      |
| -50°    | 1      | 1     | 1      | 1   | 1      | 1     | 1      | 0   | 0      | 0     | 0      |
| -51.25° | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      |
| -52.5°  | 1      | 1     | 1      | 1   | 1      | 1     | 0      | 0   | 0      | 0     | 0      |
| -53.75° | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      |
| -55°    | 1      | 1     | 1      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      |
| -56.25° | 1      | 1     | 1      | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -57.5°  | 1      | 1     | 1      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -58.75° | 1      | 1     | 1      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -60°    | 1      | 1     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -61.25° | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -62.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -63.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -65°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -66.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -67.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -68.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -70°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -71.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -72.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -73.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -75°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -76.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -77.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -80°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -81.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -82.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -83.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -85°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -86.25° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -87.5°  | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -88.75° | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |
| -90°    | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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     |
| 88.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 87.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 86.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 85°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 83.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 82.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 81.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 80°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 78.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 77.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 76.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 75°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 73.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 72.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 71.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 70°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 68.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 67.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 66.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 65°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 63.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 62.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 61.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 60°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 58.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 57.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 56.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 55°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 53.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 52.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 51.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 50°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 48.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 47.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 46.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 45°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 43.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 42.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 41.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 40°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 38.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 37.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 36.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 35°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |



REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 32.5°   | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 31.25°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 30°     | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 28.75°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 27.5°   | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 26.25°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 25°     | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 23.75°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 22.5°   | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 21.25°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 20°     | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 18.75°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 17.5°   | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 16.25°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 15°     | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 13.75°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 12.5°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 11.25°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 10°     | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 8.75°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 7.5°    | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 6.25°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 5°      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 3.75°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 2.5°    | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 1.25°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| 0°      | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -1.25°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -2.5°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -3.75°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -5°     | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -6.25°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -7.5°   | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -8.75°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -10°    | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -11.25° | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -12.5°  | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -13.75° | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -15°    | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -16.25° | 1   | 1      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -17.5°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -18.75° | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -20°    | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -21.25° | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |





REPORT NUMBER: P220575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3097-S-WT-L1-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°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -23.75° | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -25°    | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -26.25° | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -27.5°  | 1   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -28.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -30°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -31.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -32.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -33.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -35°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -36.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -37.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -38.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -40°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -41.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -42.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -43.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -45°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -46.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -47.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -48.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -50°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -51.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -52.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -53.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -55°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -56.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -57.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -58.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -60°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -61.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -62.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -63.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -65°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -66.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -67.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -68.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -70°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -71.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -72.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -73.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -75°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -76.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -77.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |



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**CANDELA DISTRIBUTION (continued):**

|         | 75° | 76.25° | 77.5° | 78.75° | 80° | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -78.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -80°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -81.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -82.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -83.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -85°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -86.25° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -87.5°  | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -88.75° | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |
| -90°    | 0   | 0      | 0     | 0      | 0   | 0      | 0     | 0      | 0   | 0      | 0     |



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**CANDELA DISTRIBUTION (continued):**

|        | 88.75° | 90° |
|--------|--------|-----|
| 90°    | 0      | 0   |
| 88.75° | 0      | 0   |
| 87.5°  | 0      | 0   |
| 86.25° | 0      | 0   |
| 85°    | 0      | 0   |
| 83.75° | 0      | 0   |
| 82.5°  | 0      | 0   |
| 81.25° | 0      | 0   |
| 80°    | 0      | 0   |
| 78.75° | 0      | 0   |
| 77.5°  | 0      | 0   |
| 76.25° | 0      | 0   |
| 75°    | 0      | 0   |
| 73.75° | 0      | 0   |
| 72.5°  | 0      | 0   |
| 71.25° | 0      | 0   |
| 70°    | 0      | 0   |
| 68.75° | 0      | 0   |
| 67.5°  | 0      | 0   |
| 66.25° | 0      | 0   |
| 65°    | 0      | 0   |
| 63.75° | 0      | 0   |
| 62.5°  | 0      | 0   |
| 61.25° | 0      | 0   |
| 60°    | 0      | 0   |
| 58.75° | 0      | 0   |
| 57.5°  | 0      | 0   |
| 56.25° | 0      | 0   |
| 55°    | 0      | 0   |
| 53.75° | 0      | 0   |
| 52.5°  | 0      | 0   |
| 51.25° | 0      | 0   |
| 50°    | 0      | 0   |
| 48.75° | 0      | 0   |
| 47.5°  | 0      | 0   |
| 46.25° | 0      | 0   |
| 45°    | 0      | 0   |
| 43.75° | 0      | 0   |
| 42.5°  | 0      | 0   |
| 41.25° | 0      | 0   |
| 40°    | 0      | 0   |
| 38.75° | 0      | 0   |
| 37.5°  | 0      | 0   |
| 36.25° | 0      | 0   |
| 35°    | 0      | 0   |



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

|         | 88.75° | 90° |
|---------|--------|-----|
| -22.5°  | 0      | 0   |
| -23.75° | 0      | 0   |
| -25°    | 0      | 0   |
| -26.25° | 0      | 0   |
| -27.5°  | 0      | 0   |
| -28.75° | 0      | 0   |
| -30°    | 0      | 0   |
| -31.25° | 0      | 0   |
| -32.5°  | 0      | 0   |
| -33.75° | 0      | 0   |
| -35°    | 0      | 0   |
| -36.25° | 0      | 0   |
| -37.5°  | 0      | 0   |
| -38.75° | 0      | 0   |
| -40°    | 0      | 0   |
| -41.25° | 0      | 0   |
| -42.5°  | 0      | 0   |
| -43.75° | 0      | 0   |
| -45°    | 0      | 0   |
| -46.25° | 0      | 0   |
| -47.5°  | 0      | 0   |
| -48.75° | 0      | 0   |
| -50°    | 0      | 0   |
| -51.25° | 0      | 0   |
| -52.5°  | 0      | 0   |
| -53.75° | 0      | 0   |
| -55°    | 0      | 0   |
| -56.25° | 0      | 0   |
| -57.5°  | 0      | 0   |
| -58.75° | 0      | 0   |
| -60°    | 0      | 0   |
| -61.25° | 0      | 0   |
| -62.5°  | 0      | 0   |
| -63.75° | 0      | 0   |
| -65°    | 0      | 0   |
| -66.25° | 0      | 0   |
| -67.5°  | 0      | 0   |
| -68.75° | 0      | 0   |
| -70°    | 0      | 0   |
| -71.25° | 0      | 0   |
| -72.5°  | 0      | 0   |
| -73.75° | 0      | 0   |
| -75°    | 0      | 0   |
| -76.25° | 0      | 0   |
| -77.5°  | 0      | 0   |



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**CANDELA DISTRIBUTION (continued):**

|         | 88.75° | 90° |
|---------|--------|-----|
| -78.75° | 0      | 0   |
| -80°    | 0      | 0   |
| -81.25° | 0      | 0   |
| -82.5°  | 0      | 0   |
| -83.75° | 0      | 0   |
| -85°    | 0      | 0   |
| -86.25° | 0      | 0   |
| -87.5°  | 0      | 0   |
| -88.75° | 0      | 0   |
| -90°    | 0      | 0   |

(END OF REPORT)