

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: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

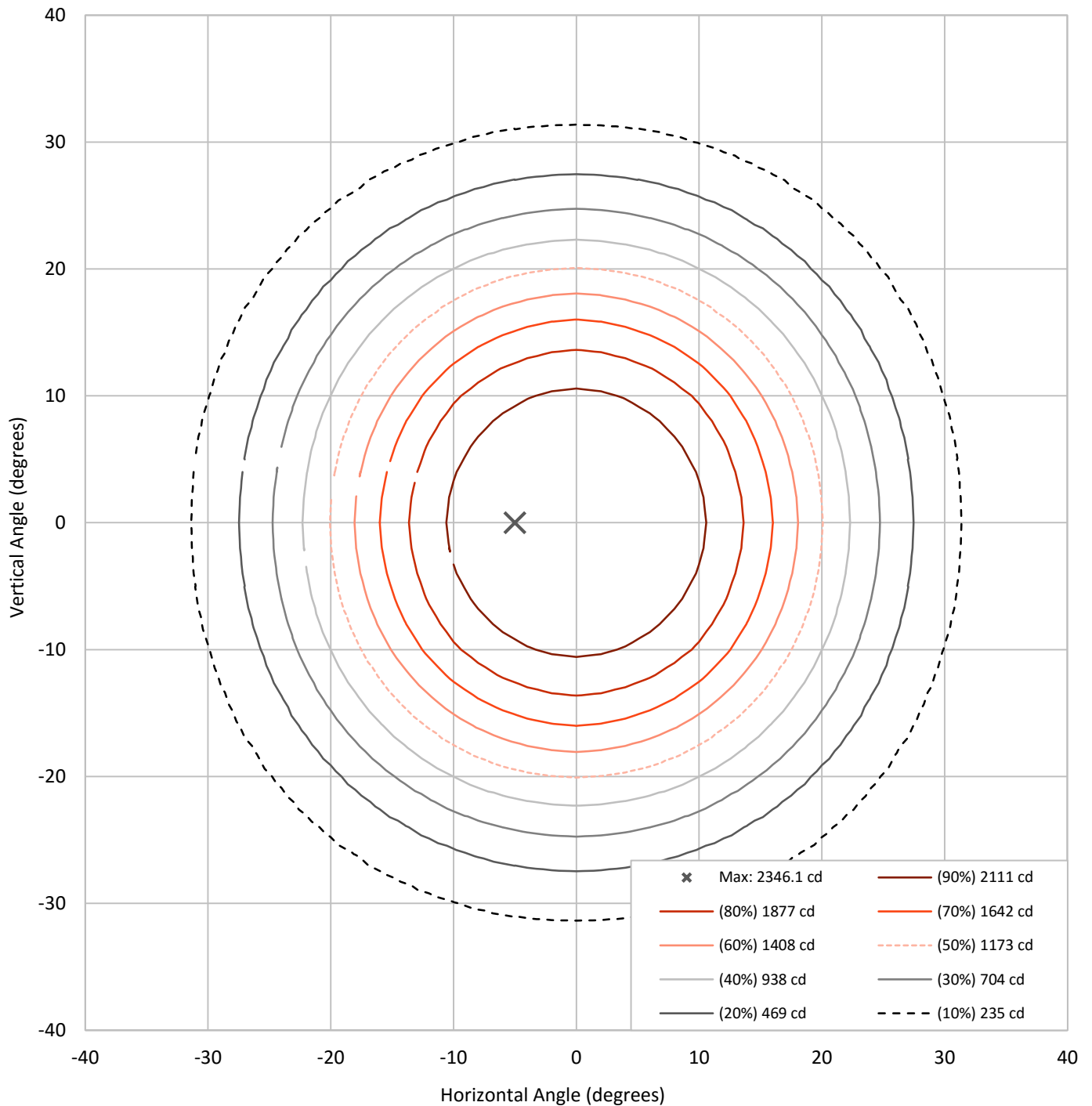
|                   |                               |                      |                 |
|-------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                           | NEMA Type:           | 4H x 4V         |
| Luminaire Lumens: | 1134.8 lumens                 | Max Intensity:       | 2346.1 candela  |
| Efficiency:       | N/A                           | Max Intensity Angle: | -5°H x 0°V      |
| Efficacy:         | 113.5 lumens/watt             |                      |                 |
| Luminous Opening: | Circular (Dia: 0.17' x H: 0') |                      |                 |
| Beam Angle (50%): | 40.2°H x 39°V                 | Field Angle (10%):   | 62.7°H x 62.1°V |
| Beam Lumens:      | 700.4 lumens                  | Field Lumens:        | 1013.1 lumens   |
| Beam Efficiency:  | 61.7%                         | Field Efficiency:    | 89.3%           |

Input Watts (W): 10  
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



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

### Iso-Candela Plot





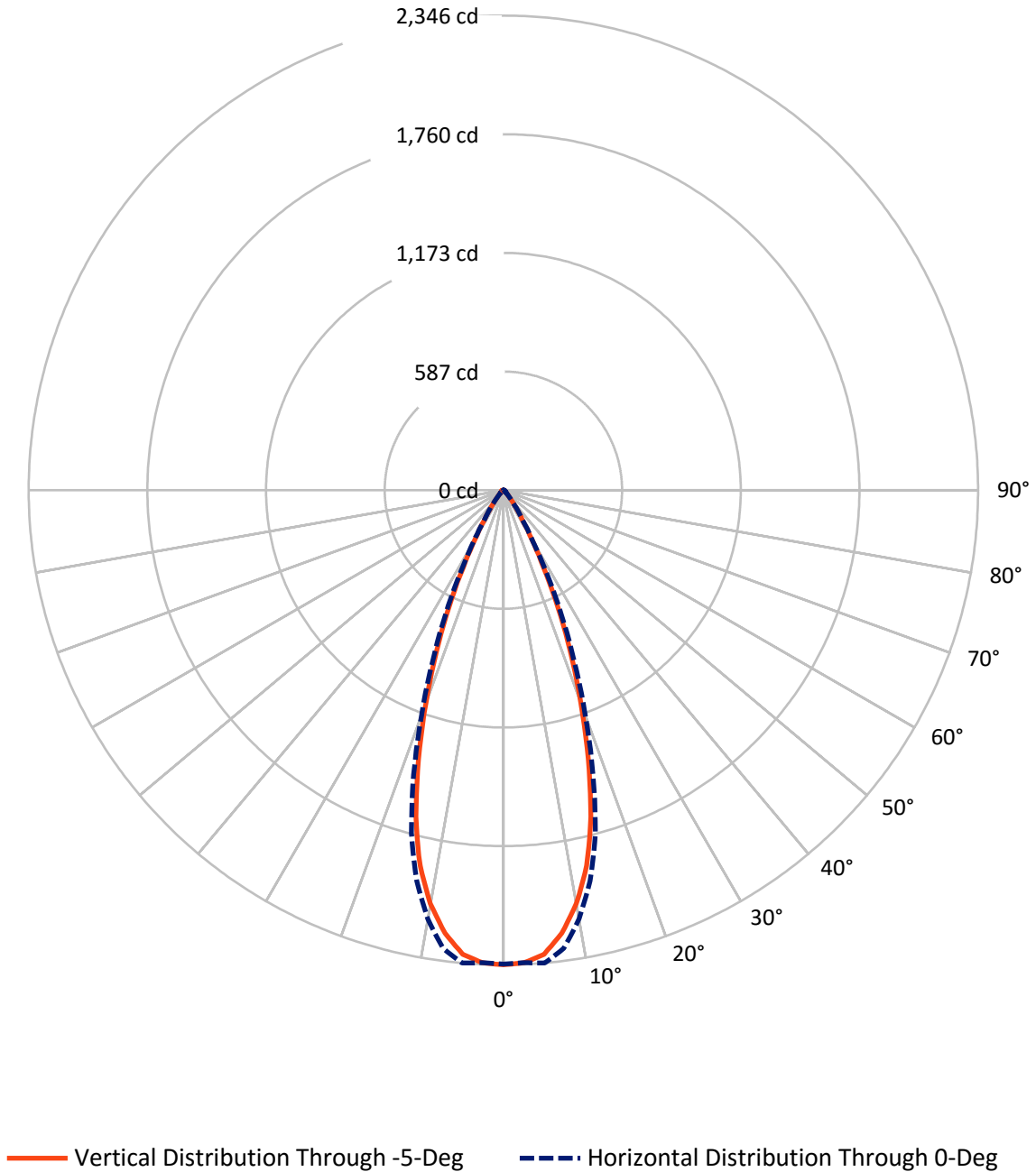
REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

### Lumen Table

|     |     |     |     |     |     |      |      |      |      |      |      |     |     |     |     |     |  |  |  |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|--|--|--|
| 90  | 0.0 | 0.1 | 0.3 | 0.5 | 0.5 | 0.5  | 0.3  | 0.1  | 0.0  |      |      |     |     |     |     |     |  |  |  |
| 80  | 0.0 | 0.1 | 0.3 | 0.5 | 0.5 | 0.5  | 0.3  | 0.1  | 0.0  |      |      |     |     |     |     |     |  |  |  |
| 70  | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |  |  |  |
| 60  |     | 0.1 | 0.1 | 0.2 | 0.3 | 0.3  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3 | 0.2 | 0.1 | 0.1 |     |  |  |  |
| 50  | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4  | 0.7  | 0.8  | 0.8  | 0.7  | 0.4  | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 |  |  |  |
| 40  |     | 0.1 | 0.2 | 0.3 | 0.5 | 1.2  | 2.6  | 4.0  | 4.0  | 2.6  | 1.2  | 0.5 | 0.3 | 0.2 | 0.1 |     |  |  |  |
| 30  | 0.1 | 0.1 | 0.2 | 0.4 | 1.1 | 4.0  | 11.4 | 19.5 | 19.5 | 11.4 | 4.0  | 1.1 | 0.4 | 0.2 | 0.1 | 0.1 |  |  |  |
| 20  |     | 0.1 | 0.2 | 0.5 | 2.2 | 10.8 | 31.1 | 48.9 | 48.9 | 31.1 | 10.8 | 2.2 | 0.5 | 0.2 | 0.1 |     |  |  |  |
| 10  | 0.1 | 0.1 | 0.2 | 0.6 | 3.3 | 17.9 | 47.5 | 67.6 | 67.6 | 47.5 | 17.9 | 3.3 | 0.6 | 0.2 | 0.1 | 0.1 |  |  |  |
| 0   |     | 0.1 | 0.2 | 0.6 | 3.3 | 17.9 | 47.5 | 67.6 | 67.6 | 47.5 | 17.9 | 3.3 | 0.6 | 0.2 | 0.1 |     |  |  |  |
| -10 | 0.1 | 0.1 | 0.2 | 0.6 | 3.3 | 17.9 | 47.5 | 67.6 | 67.6 | 47.5 | 17.9 | 3.3 | 0.6 | 0.2 | 0.1 | 0.1 |  |  |  |
| -20 |     | 0.1 | 0.2 | 0.5 | 2.2 | 10.8 | 31.1 | 48.9 | 48.9 | 31.1 | 10.8 | 2.2 | 0.5 | 0.2 | 0.1 |     |  |  |  |
| -30 | 0.1 | 0.1 | 0.2 | 0.4 | 1.1 | 4.0  | 11.4 | 19.5 | 19.5 | 11.4 | 4.0  | 1.1 | 0.4 | 0.2 | 0.1 | 0.1 |  |  |  |
| -40 |     | 0.1 | 0.2 | 0.3 | 0.5 | 1.2  | 2.6  | 4.0  | 4.0  | 2.6  | 1.2  | 0.5 | 0.3 | 0.2 | 0.1 |     |  |  |  |
| -50 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4  | 0.7  | 0.8  | 0.8  | 0.7  | 0.4  | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 |  |  |  |
| -60 |     | 0.1 | 0.1 | 0.2 | 0.3 | 0.3  | 0.4  | 0.4  | 0.4  | 0.4  | 0.3  | 0.3 | 0.2 | 0.1 | 0.1 |     |  |  |  |
| -70 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |  |  |  |
| -80 |     | 0.1 | 0.1 | 0.1 | 0.2 | 0.2  | 0.3  | 0.3  | 0.3  | 0.3  | 0.2  | 0.2 | 0.1 | 0.1 | 0.1 |     |  |  |  |
| -90 | 0.0 | 0.1 | 0.3 | 0.5 | 0.5 | 0.5  | 0.3  | 0.1  | 0.0  |      |      |     |     |     |     |     |  |  |  |

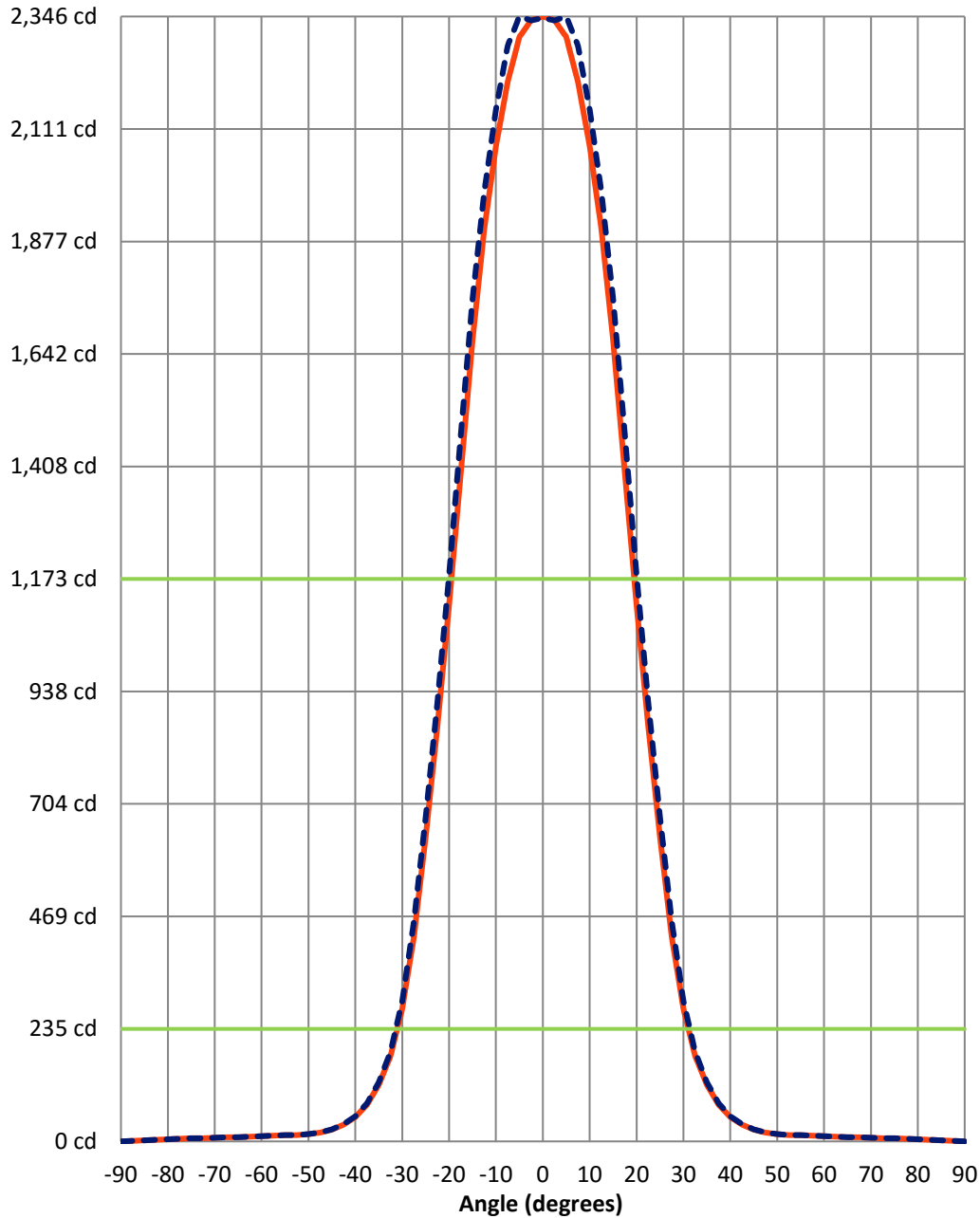
REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 40.2°  
 V Angle: 39°  
 Lumens: 700.4  
 Efficiency: 61.7%

**Field:**  
 H Angle: 62.7°  
 V Angle: 62.1°  
 Lumens: 1013.1  
 Efficiency: 89.3%

**Spill:**  
 Lumens: 121.7  
 Efficiency: 10.7%

— Vertical Distribution through -5-Deg  
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 90°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5°  | 0.0  | 0.0    | 0.1  | 0.1    | 0.2  | 0.2    | 0.3  | 0.3    | 0.4  | 0.4    | 0.5  |
| 85°    | 0.0  | 0.1    | 0.2  | 0.3    | 0.4  | 0.5    | 0.6  | 0.7    | 0.8  | 0.8    | 0.9  |
| 82.5°  | 0.0  | 0.1    | 0.3  | 0.4    | 0.6  | 0.7    | 0.9  | 1.0    | 1.1  | 1.3    | 1.4  |
| 80°    | 0.0  | 0.2    | 0.4  | 0.6    | 0.8  | 0.9    | 1.1  | 1.3    | 1.5  | 1.7    | 1.9  |
| 77.5°  | 0.0  | 0.2    | 0.5  | 0.7    | 0.9  | 1.2    | 1.4  | 1.6    | 1.9  | 2.1    | 2.3  |
| 75°    | 0.0  | 0.3    | 0.6  | 0.9    | 1.1  | 1.4    | 1.7  | 2.0    | 2.2  | 2.5    | 2.8  |
| 72.5°  | 0.0  | 0.3    | 0.7  | 1.0    | 1.3  | 1.6    | 2.0  | 2.3    | 2.6  | 2.9    | 3.2  |
| 70°    | 0.0  | 0.4    | 0.8  | 1.1    | 1.5  | 1.9    | 2.2  | 2.6    | 3.0  | 3.3    | 3.7  |
| 67.5°  | 0.0  | 0.4    | 0.8  | 1.3    | 1.7  | 2.1    | 2.5  | 2.9    | 3.3  | 3.7    | 4.1  |
| 65°    | 0.0  | 0.5    | 0.9  | 1.4    | 1.9  | 2.3    | 2.8  | 3.2    | 3.7  | 4.1    | 4.5  |
| 62.5°  | 0.0  | 0.5    | 1.0  | 1.5    | 2.0  | 2.5    | 3.0  | 3.5    | 4.0  | 4.5    | 5.0  |
| 60°    | 0.0  | 0.5    | 1.1  | 1.6    | 2.2  | 2.7    | 3.3  | 3.8    | 4.3  | 4.9    | 5.4  |
| 57.5°  | 0.0  | 0.6    | 1.2  | 1.8    | 2.4  | 2.9    | 3.5  | 4.1    | 4.7  | 5.2    | 5.8  |
| 55°    | 0.0  | 0.6    | 1.3  | 1.9    | 2.5  | 3.1    | 3.8  | 4.4    | 5.0  | 5.6    | 6.2  |
| 52.5°  | 0.0  | 0.7    | 1.3  | 2.0    | 2.7  | 3.3    | 4.0  | 4.6    | 5.3  | 5.9    | 6.6  |
| 50°    | 0.0  | 0.7    | 1.4  | 2.1    | 2.8  | 3.5    | 4.2  | 4.9    | 5.6  | 6.3    | 6.6  |
| 47.5°  | 0.0  | 0.7    | 1.5  | 2.2    | 3.0  | 3.7    | 4.4  | 5.2    | 5.9  | 6.6    | 6.6  |
| 45°    | 0.0  | 0.8    | 1.6  | 2.3    | 3.1  | 3.9    | 4.6  | 5.4    | 6.2  | 6.6    | 6.6  |
| 42.5°  | 0.0  | 0.8    | 1.6  | 2.4    | 3.2  | 4.0    | 4.8  | 5.6    | 6.4  | 6.6    | 6.9  |
| 40°    | 0.0  | 0.8    | 1.7  | 2.5    | 3.4  | 4.2    | 5.0  | 5.9    | 6.6  | 6.6    | 7.2  |
| 37.5°  | 0.0  | 0.9    | 1.7  | 2.6    | 3.5  | 4.4    | 5.2  | 6.1    | 6.6  | 6.7    | 7.4  |
| 35°    | 0.0  | 0.9    | 1.8  | 2.7    | 3.6  | 4.5    | 5.4  | 6.3    | 6.6  | 6.9    | 7.7  |
| 32.5°  | 0.0  | 0.9    | 1.9  | 2.8    | 3.7  | 4.6    | 5.5  | 6.5    | 6.6  | 7.1    | 8.0  |
| 30°    | 0.0  | 1.0    | 1.9  | 2.9    | 3.8  | 4.8    | 5.7  | 6.6    | 6.6  | 7.3    | 8.2  |
| 27.5°  | 0.0  | 1.0    | 2.0  | 2.9    | 3.9  | 4.9    | 5.8  | 6.6    | 6.7  | 7.5    | 8.5  |
| 25°    | 0.0  | 1.0    | 2.0  | 3.0    | 4.0  | 5.0    | 6.0  | 6.6    | 6.8  | 7.7    | 8.7  |
| 22.5°  | 0.0  | 1.0    | 2.0  | 3.0    | 4.1  | 5.1    | 6.1  | 6.6    | 7.0  | 7.9    | 8.7  |
| 20°    | 0.0  | 1.0    | 2.1  | 3.1    | 4.1  | 5.2    | 6.2  | 6.6    | 7.1  | 8.1    | 8.7  |
| 17.5°  | 0.0  | 1.0    | 2.1  | 3.1    | 4.2  | 5.2    | 6.3  | 6.6    | 7.2  | 8.2    | 8.7  |
| 15°    | 0.0  | 1.1    | 2.1  | 3.2    | 4.2  | 5.3    | 6.4  | 6.6    | 7.3  | 8.3    | 8.7  |
| 12.5°  | 0.0  | 1.1    | 2.1  | 3.2    | 4.3  | 5.4    | 6.4  | 6.6    | 7.4  | 8.5    | 8.7  |
| 10°    | 0.0  | 1.1    | 2.2  | 3.2    | 4.3  | 5.4    | 6.5  | 6.6    | 7.5  | 8.5    | 8.7  |
| 7.5°   | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.5  | 6.6    | 7.5  | 8.6    | 8.7  |
| 5°     | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.6  | 6.6    | 7.6  | 8.7    | 8.7  |
| 2.5°   | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.6  | 6.6    | 7.6  | 8.7    | 8.7  |
| 0°     | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.6  | 6.6    | 7.6  | 8.7    | 8.7  |
| -2.5°  | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.6  | 6.6    | 7.6  | 8.7    | 8.7  |
| -5°    | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.6  | 6.6    | 7.6  | 8.7    | 8.7  |
| -7.5°  | 0.0  | 1.1    | 2.2  | 3.3    | 4.4  | 5.5    | 6.5  | 6.6    | 7.5  | 8.6    | 8.7  |
| -10°   | 0.0  | 1.1    | 2.2  | 3.2    | 4.3  | 5.4    | 6.5  | 6.6    | 7.5  | 8.5    | 8.7  |
| -12.5° | 0.0  | 1.1    | 2.1  | 3.2    | 4.3  | 5.4    | 6.4  | 6.6    | 7.4  | 8.5    | 8.7  |
| -15°   | 0.0  | 1.1    | 2.1  | 3.2    | 4.2  | 5.3    | 6.4  | 6.6    | 7.3  | 8.3    | 8.7  |
| -17.5° | 0.0  | 1.0    | 2.1  | 3.1    | 4.2  | 5.2    | 6.3  | 6.6    | 7.2  | 8.2    | 8.7  |
| -20°   | 0.0  | 1.0    | 2.1  | 3.1    | 4.1  | 5.2    | 6.2  | 6.6    | 7.1  | 8.1    | 8.7  |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0.0  | 1.0    | 2.0  | 3.0    | 4.1  | 5.1    | 6.1  | 6.6    | 7.0  | 7.9    | 8.7  |
| -25°   | 0.0  | 1.0    | 2.0  | 3.0    | 4.0  | 5.0    | 6.0  | 6.6    | 6.8  | 7.7    | 8.7  |
| -27.5° | 0.0  | 1.0    | 2.0  | 2.9    | 3.9  | 4.9    | 5.8  | 6.6    | 6.7  | 7.5    | 8.5  |
| -30°   | 0.0  | 1.0    | 1.9  | 2.9    | 3.8  | 4.8    | 5.7  | 6.6    | 6.6  | 7.3    | 8.2  |
| -32.5° | 0.0  | 0.9    | 1.9  | 2.8    | 3.7  | 4.6    | 5.5  | 6.5    | 6.6  | 7.1    | 8.0  |
| -35°   | 0.0  | 0.9    | 1.8  | 2.7    | 3.6  | 4.5    | 5.4  | 6.3    | 6.6  | 6.9    | 7.7  |
| -37.5° | 0.0  | 0.9    | 1.7  | 2.6    | 3.5  | 4.4    | 5.2  | 6.1    | 6.6  | 6.7    | 7.4  |
| -40°   | 0.0  | 0.8    | 1.7  | 2.5    | 3.4  | 4.2    | 5.0  | 5.9    | 6.6  | 6.6    | 7.2  |
| -42.5° | 0.0  | 0.8    | 1.6  | 2.4    | 3.2  | 4.0    | 4.8  | 5.6    | 6.4  | 6.6    | 6.9  |
| -45°   | 0.0  | 0.8    | 1.6  | 2.3    | 3.1  | 3.9    | 4.6  | 5.4    | 6.2  | 6.6    | 6.6  |
| -47.5° | 0.0  | 0.7    | 1.5  | 2.2    | 3.0  | 3.7    | 4.4  | 5.2    | 5.9  | 6.6    | 6.6  |
| -50°   | 0.0  | 0.7    | 1.4  | 2.1    | 2.8  | 3.5    | 4.2  | 4.9    | 5.6  | 6.3    | 6.6  |
| -52.5° | 0.0  | 0.7    | 1.3  | 2.0    | 2.7  | 3.3    | 4.0  | 4.6    | 5.3  | 5.9    | 6.6  |
| -55°   | 0.0  | 0.6    | 1.3  | 1.9    | 2.5  | 3.1    | 3.8  | 4.4    | 5.0  | 5.6    | 6.2  |
| -57.5° | 0.0  | 0.6    | 1.2  | 1.8    | 2.4  | 2.9    | 3.5  | 4.1    | 4.7  | 5.2    | 5.8  |
| -60°   | 0.0  | 0.5    | 1.1  | 1.6    | 2.2  | 2.7    | 3.3  | 3.8    | 4.3  | 4.9    | 5.4  |
| -62.5° | 0.0  | 0.5    | 1.0  | 1.5    | 2.0  | 2.5    | 3.0  | 3.5    | 4.0  | 4.5    | 5.0  |
| -65°   | 0.0  | 0.5    | 0.9  | 1.4    | 1.9  | 2.3    | 2.8  | 3.2    | 3.7  | 4.1    | 4.5  |
| -67.5° | 0.0  | 0.4    | 0.8  | 1.3    | 1.7  | 2.1    | 2.5  | 2.9    | 3.3  | 3.7    | 4.1  |
| -70°   | 0.0  | 0.4    | 0.8  | 1.1    | 1.5  | 1.9    | 2.2  | 2.6    | 3.0  | 3.3    | 3.7  |
| -72.5° | 0.0  | 0.3    | 0.7  | 1.0    | 1.3  | 1.6    | 2.0  | 2.3    | 2.6  | 2.9    | 3.2  |
| -75°   | 0.0  | 0.3    | 0.6  | 0.9    | 1.1  | 1.4    | 1.7  | 2.0    | 2.2  | 2.5    | 2.8  |
| -77.5° | 0.0  | 0.2    | 0.5  | 0.7    | 0.9  | 1.2    | 1.4  | 1.6    | 1.9  | 2.1    | 2.3  |
| -80°   | 0.0  | 0.2    | 0.4  | 0.6    | 0.8  | 0.9    | 1.1  | 1.3    | 1.5  | 1.7    | 1.9  |
| -82.5° | 0.0  | 0.1    | 0.3  | 0.4    | 0.6  | 0.7    | 0.9  | 1.0    | 1.1  | 1.3    | 1.4  |
| -85°   | 0.0  | 0.1    | 0.2  | 0.3    | 0.4  | 0.5    | 0.6  | 0.7    | 0.8  | 0.8    | 0.9  |
| -87.5° | 0.0  | 0.0    | 0.1  | 0.1    | 0.2  | 0.2    | 0.3  | 0.3    | 0.4  | 0.4    | 0.5  |
| -90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |





REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 90°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 87.5°  | 0.5    | 0.5  | 0.6    | 0.6  | 0.7    | 0.7  | 0.7    | 0.8  | 0.8    | 0.8  | 0.9    |
| 85°    | 1.0    | 1.1  | 1.2    | 1.3  | 1.3    | 1.4  | 1.5    | 1.6  | 1.6    | 1.7  | 1.7    |
| 82.5°  | 1.5    | 1.6  | 1.8    | 1.9  | 2.0    | 2.1  | 2.2    | 2.3  | 2.4    | 2.5  | 2.6    |
| 80°    | 2.0    | 2.2  | 2.4    | 2.5  | 2.7    | 2.8  | 3.0    | 3.1  | 3.2    | 3.4  | 3.5    |
| 77.5°  | 2.5    | 2.7  | 2.9    | 3.1  | 3.3    | 3.5  | 3.7    | 3.9  | 4.0    | 4.2  | 4.4    |
| 75°    | 3.0    | 3.3  | 3.5    | 3.8  | 4.0    | 4.2  | 4.4    | 4.6  | 4.8    | 5.0  | 5.2    |
| 72.5°  | 3.5    | 3.8  | 4.1    | 4.4  | 4.6    | 4.9  | 5.2    | 5.4  | 5.6    | 5.9  | 6.1    |
| 70°    | 4.0    | 4.3  | 4.7    | 5.0  | 5.3    | 5.6  | 5.9    | 6.2  | 6.4    | 6.6  | 6.6    |
| 67.5°  | 4.5    | 4.9  | 5.2    | 5.6  | 5.9    | 6.3  | 6.6    | 6.6  | 6.6    | 6.6  | 6.7    |
| 65°    | 5.0    | 5.4  | 5.8    | 6.2  | 6.6    | 6.6  | 6.6    | 6.6  | 6.9    | 7.2  | 7.4    |
| 62.5°  | 5.4    | 5.9  | 6.3    | 6.6  | 6.6    | 6.6  | 6.9    | 7.2  | 7.6    | 7.9  | 8.3    |
| 60°    | 5.9    | 6.4  | 6.6    | 6.6  | 6.7    | 7.1  | 7.5    | 7.9  | 8.3    | 8.7  | 8.7    |
| 57.5°  | 6.3    | 6.6  | 6.6    | 6.8  | 7.2    | 7.7  | 8.2    | 8.6  | 8.7    | 8.7  | 8.8    |
| 55°    | 6.6    | 6.6  | 6.8    | 7.3  | 7.8    | 8.3  | 8.7    | 8.7  | 8.7    | 9.2  | 9.6    |
| 52.5°  | 6.6    | 6.7  | 7.2    | 7.8  | 8.4    | 8.7  | 8.7    | 8.9  | 9.4    | 9.9  | 10.4   |
| 50°    | 6.6    | 7.1  | 7.7    | 8.3  | 8.7    | 8.7  | 9.0    | 9.6  | 10.1   | 10.7 | 11.2   |
| 47.5°  | 6.9    | 7.5  | 8.2    | 8.7  | 8.7    | 9.0  | 9.6    | 10.3 | 10.8   | 11.4 | 12.0   |
| 45°    | 7.2    | 7.9  | 8.6    | 8.7  | 8.9    | 9.6  | 10.3   | 10.9 | 11.5   | 12.1 | 12.7   |
| 42.5°  | 7.6    | 8.3  | 8.7    | 8.7  | 9.4    | 10.1 | 10.8   | 11.5 | 12.2   | 12.8 | 13.1   |
| 40°    | 7.9    | 8.7  | 8.7    | 9.2  | 9.9    | 10.7 | 11.4   | 12.1 | 12.8   | 13.1 | 13.1   |
| 37.5°  | 8.3    | 8.7  | 8.8    | 9.6  | 10.4   | 11.2 | 12.0   | 12.7 | 13.1   | 13.1 | 14.4   |
| 35°    | 8.6    | 8.7  | 9.2    | 10.0 | 10.9   | 11.7 | 12.5   | 13.1 | 13.1   | 14.3 | 16.0   |
| 32.5°  | 8.7    | 8.7  | 9.6    | 10.4 | 11.3   | 12.1 | 13.0   | 13.1 | 13.9   | 15.6 | 17.9   |
| 30°    | 8.7    | 9.0  | 9.9    | 10.8 | 11.7   | 12.6 | 13.1   | 13.3 | 15.0   | 17.4 | 20.9   |
| 27.5°  | 8.7    | 9.3  | 10.2   | 11.2 | 12.1   | 13.0 | 13.1   | 14.3 | 16.4   | 19.4 | 24.4   |
| 25°    | 8.7    | 9.6  | 10.5   | 11.5 | 12.4   | 13.1 | 13.3   | 15.2 | 17.8   | 22.4 | 29.3   |
| 22.5°  | 8.8    | 9.8  | 10.8   | 11.8 | 12.8   | 13.1 | 14.1   | 16.3 | 19.7   | 25.3 | 34.4   |
| 20°    | 9.0    | 10.0 | 11.0   | 12.1 | 13.1   | 13.1 | 14.8   | 17.5 | 22.1   | 29.6 | 40.6   |
| 17.5°  | 9.2    | 10.2 | 11.3   | 12.3 | 13.1   | 13.4 | 15.5   | 18.5 | 24.3   | 33.5 | 46.9   |
| 15°    | 9.4    | 10.4 | 11.5   | 12.5 | 13.1   | 13.9 | 16.3   | 20.1 | 26.9   | 37.5 | 52.7   |
| 12.5°  | 9.5    | 10.6 | 11.6   | 12.7 | 13.1   | 14.3 | 17.0   | 21.6 | 29.6   | 42.0 | 60.7   |
| 10°    | 9.6    | 10.7 | 11.8   | 12.8 | 13.1   | 14.7 | 17.6   | 22.9 | 31.9   | 45.7 | 67.5   |
| 7.5°   | 9.7    | 10.8 | 11.9   | 12.9 | 13.1   | 14.9 | 18.0   | 23.8 | 33.7   | 48.6 | 72.8   |
| 5°     | 9.8    | 10.8 | 11.9   | 13.0 | 13.1   | 15.1 | 18.3   | 24.5 | 35.0   | 50.7 | 76.6   |
| 2.5°   | 9.8    | 10.9 | 12.0   | 13.1 | 13.1   | 15.3 | 18.5   | 25.0 | 35.7   | 52.0 | 78.9   |
| 0°     | 9.8    | 10.9 | 12.0   | 13.1 | 13.1   | 15.3 | 18.6   | 25.1 | 36.0   | 52.4 | 79.7   |
| -2.5°  | 9.8    | 10.9 | 12.0   | 13.1 | 13.1   | 15.3 | 18.5   | 25.0 | 35.7   | 52.0 | 78.9   |
| -5°    | 9.8    | 10.8 | 11.9   | 13.0 | 13.1   | 15.1 | 18.3   | 24.5 | 35.0   | 50.7 | 76.6   |
| -7.5°  | 9.7    | 10.8 | 11.9   | 12.9 | 13.1   | 14.9 | 18.0   | 23.8 | 33.7   | 48.6 | 72.8   |
| -10°   | 9.6    | 10.7 | 11.8   | 12.8 | 13.1   | 14.7 | 17.6   | 22.9 | 31.9   | 45.7 | 67.5   |
| -12.5° | 9.5    | 10.6 | 11.6   | 12.7 | 13.1   | 14.3 | 17.0   | 21.6 | 29.6   | 42.0 | 60.7   |
| -15°   | 9.4    | 10.4 | 11.5   | 12.5 | 13.1   | 13.9 | 16.3   | 20.1 | 26.9   | 37.5 | 52.7   |
| -17.5° | 9.2    | 10.2 | 11.3   | 12.3 | 13.1   | 13.4 | 15.5   | 18.5 | 24.3   | 33.5 | 46.9   |
| -20°   | 9.0    | 10.0 | 11.0   | 12.1 | 13.1   | 13.1 | 14.8   | 17.5 | 22.1   | 29.6 | 40.6   |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 8.8    | 9.8  | 10.8   | 11.8 | 12.8   | 13.1 | 14.1   | 16.3 | 19.7   | 25.3 | 34.4   |
| -25°   | 8.7    | 9.6  | 10.5   | 11.5 | 12.4   | 13.1 | 13.3   | 15.2 | 17.8   | 22.4 | 29.3   |
| -27.5° | 8.7    | 9.3  | 10.2   | 11.2 | 12.1   | 13.0 | 13.1   | 14.3 | 16.4   | 19.4 | 24.4   |
| -30°   | 8.7    | 9.0  | 9.9    | 10.8 | 11.7   | 12.6 | 13.1   | 13.3 | 15.0   | 17.4 | 20.9   |
| -32.5° | 8.7    | 8.7  | 9.6    | 10.4 | 11.3   | 12.1 | 13.0   | 13.1 | 13.9   | 15.6 | 17.9   |
| -35°   | 8.6    | 8.7  | 9.2    | 10.0 | 10.9   | 11.7 | 12.5   | 13.1 | 13.1   | 14.3 | 16.0   |
| -37.5° | 8.3    | 8.7  | 8.8    | 9.6  | 10.4   | 11.2 | 12.0   | 12.7 | 13.1   | 13.1 | 14.4   |
| -40°   | 7.9    | 8.7  | 8.7    | 9.2  | 9.9    | 10.7 | 11.4   | 12.1 | 12.8   | 13.1 | 13.1   |
| -42.5° | 7.6    | 8.3  | 8.7    | 8.7  | 9.4    | 10.1 | 10.8   | 11.5 | 12.2   | 12.8 | 13.1   |
| -45°   | 7.2    | 7.9  | 8.6    | 8.7  | 8.9    | 9.6  | 10.3   | 10.9 | 11.5   | 12.1 | 12.7   |
| -47.5° | 6.9    | 7.5  | 8.2    | 8.7  | 8.7    | 9.0  | 9.6    | 10.3 | 10.8   | 11.4 | 12.0   |
| -50°   | 6.6    | 7.1  | 7.7    | 8.3  | 8.7    | 8.7  | 9.0    | 9.6  | 10.1   | 10.7 | 11.2   |
| -52.5° | 6.6    | 6.7  | 7.2    | 7.8  | 8.4    | 8.7  | 8.7    | 8.9  | 9.4    | 9.9  | 10.4   |
| -55°   | 6.6    | 6.6  | 6.8    | 7.3  | 7.8    | 8.3  | 8.7    | 8.7  | 8.7    | 9.2  | 9.6    |
| -57.5° | 6.3    | 6.6  | 6.6    | 6.8  | 7.2    | 7.7  | 8.2    | 8.6  | 8.7    | 8.7  | 8.8    |
| -60°   | 5.9    | 6.4  | 6.6    | 6.6  | 6.7    | 7.1  | 7.5    | 7.9  | 8.3    | 8.7  | 8.7    |
| -62.5° | 5.4    | 5.9  | 6.3    | 6.6  | 6.6    | 6.6  | 6.9    | 7.2  | 7.6    | 7.9  | 8.3    |
| -65°   | 5.0    | 5.4  | 5.8    | 6.2  | 6.6    | 6.6  | 6.6    | 6.6  | 6.9    | 7.2  | 7.4    |
| -67.5° | 4.5    | 4.9  | 5.2    | 5.6  | 5.9    | 6.3  | 6.6    | 6.6  | 6.6    | 6.6  | 6.7    |
| -70°   | 4.0    | 4.3  | 4.7    | 5.0  | 5.3    | 5.6  | 5.9    | 6.2  | 6.4    | 6.6  | 6.6    |
| -72.5° | 3.5    | 3.8  | 4.1    | 4.4  | 4.6    | 4.9  | 5.2    | 5.4  | 5.6    | 5.9  | 6.1    |
| -75°   | 3.0    | 3.3  | 3.5    | 3.8  | 4.0    | 4.2  | 4.4    | 4.6  | 4.8    | 5.0  | 5.2    |
| -77.5° | 2.5    | 2.7  | 2.9    | 3.1  | 3.3    | 3.5  | 3.7    | 3.9  | 4.0    | 4.2  | 4.4    |
| -80°   | 2.0    | 2.2  | 2.4    | 2.5  | 2.7    | 2.8  | 3.0    | 3.1  | 3.2    | 3.4  | 3.5    |
| -82.5° | 1.5    | 1.6  | 1.8    | 1.9  | 2.0    | 2.1  | 2.2    | 2.3  | 2.4    | 2.5  | 2.6    |
| -85°   | 1.0    | 1.1  | 1.2    | 1.3  | 1.3    | 1.4  | 1.5    | 1.6  | 1.6    | 1.7  | 1.7    |
| -87.5° | 0.5    | 0.5  | 0.6    | 0.6  | 0.7    | 0.7  | 0.7    | 0.8  | 0.8    | 0.8  | 0.9    |
| -90°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -35°  | -32.5° | -30°  | -27.5° | -25°  | -22.5° | -20°   | -17.5° | -15°   | -12.5° | -10°   |
|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 0.9   | 0.9    | 1.0   | 1.0    | 1.0   | 1.0    | 1.0    | 1.0    | 1.1    | 1.1    | 1.1    |
| 85°    | 1.8   | 1.9    | 1.9   | 2.0    | 2.0   | 2.0    | 2.1    | 2.1    | 2.1    | 2.1    | 2.2    |
| 82.5°  | 2.7   | 2.8    | 2.9   | 2.9    | 3.0   | 3.0    | 3.1    | 3.1    | 3.2    | 3.2    | 3.2    |
| 80°    | 3.6   | 3.7    | 3.8   | 3.9    | 4.0   | 4.1    | 4.1    | 4.2    | 4.2    | 4.3    | 4.3    |
| 77.5°  | 4.5   | 4.6    | 4.8   | 4.9    | 5.0   | 5.1    | 5.2    | 5.2    | 5.3    | 5.4    | 5.4    |
| 75°    | 5.4   | 5.5    | 5.7   | 5.8    | 6.0   | 6.1    | 6.2    | 6.3    | 6.4    | 6.4    | 6.5    |
| 72.5°  | 6.3   | 6.5    | 6.6   | 6.6    | 6.6   | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    |
| 70°    | 6.6   | 6.6    | 6.6   | 6.7    | 6.8   | 7.0    | 7.1    | 7.2    | 7.3    | 7.4    | 7.5    |
| 67.5°  | 6.9   | 7.1    | 7.3   | 7.5    | 7.7   | 7.9    | 8.1    | 8.2    | 8.3    | 8.5    | 8.5    |
| 65°    | 7.7   | 8.0    | 8.2   | 8.5    | 8.7   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 62.5°  | 8.6   | 8.7    | 8.7   | 8.7    | 8.7   | 8.8    | 9.0    | 9.2    | 9.4    | 9.5    | 9.6    |
| 60°    | 8.7   | 8.7    | 9.0   | 9.3    | 9.6   | 9.8    | 10.0   | 10.2   | 10.4   | 10.6   | 10.7   |
| 57.5°  | 9.2   | 9.6    | 9.9   | 10.2   | 10.5  | 10.8   | 11.0   | 11.3   | 11.5   | 11.6   | 11.8   |
| 55°    | 10.0  | 10.4   | 10.8  | 11.2   | 11.5  | 11.8   | 12.1   | 12.3   | 12.5   | 12.7   | 12.8   |
| 52.5°  | 10.9  | 11.3   | 11.7  | 12.1   | 12.4  | 12.8   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   |
| 50°    | 11.7  | 12.1   | 12.6  | 13.0   | 13.1  | 13.1   | 13.1   | 13.4   | 13.9   | 14.3   | 14.7   |
| 47.5°  | 12.5  | 13.0   | 13.1  | 13.1   | 13.3  | 14.1   | 14.8   | 15.5   | 16.3   | 17.0   | 17.6   |
| 45°    | 13.1  | 13.1   | 13.3  | 14.3   | 15.2  | 16.3   | 17.5   | 18.5   | 20.1   | 21.6   | 22.9   |
| 42.5°  | 13.1  | 13.9   | 15.0  | 16.4   | 17.8  | 19.7   | 22.1   | 24.3   | 26.9   | 29.6   | 31.9   |
| 40°    | 14.3  | 15.6   | 17.4  | 19.4   | 22.4  | 25.3   | 29.6   | 33.5   | 37.5   | 42.0   | 45.7   |
| 37.5°  | 16.0  | 17.9   | 20.9  | 24.4   | 29.3  | 34.4   | 40.6   | 46.9   | 52.7   | 60.7   | 67.5   |
| 35°    | 18.1  | 21.7   | 25.9  | 32.1   | 38.9  | 47.0   | 56.0   | 67.4   | 77.5   | 90.3   | 102.0  |
| 32.5°  | 21.7  | 26.6   | 33.5  | 42.1   | 51.4  | 65.4   | 78.9   | 98.0   | 115.6  | 134.2  | 152.7  |
| 30°    | 25.9  | 33.5   | 43.2  | 54.5   | 71.1  | 90.9   | 114.1  | 140.7  | 168.3  | 196.2  | 230.1  |
| 27.5°  | 32.1  | 42.1   | 54.5  | 73.0   | 97.3  | 124.3  | 160.4  | 198.3  | 248.4  | 292.4  | 342.1  |
| 25°    | 38.9  | 51.4   | 71.1  | 97.3   | 129.1 | 170.4  | 224.5  | 284.5  | 356.2  | 438.4  | 516.1  |
| 22.5°  | 47.0  | 65.4   | 90.9  | 124.3  | 170.4 | 233.3  | 306.6  | 404.5  | 514.5  | 624.5  | 722.1  |
| 20°    | 56.0  | 78.9   | 114.1 | 160.4  | 224.5 | 306.6  | 421.0  | 557.6  | 693.6  | 824.2  | 939.5  |
| 17.5°  | 67.4  | 98.0   | 140.7 | 198.3  | 284.5 | 404.5  | 557.6  | 718.5  | 877.1  | 1033.0 | 1173.0 |
| 15°    | 77.5  | 115.6  | 168.3 | 248.4  | 356.2 | 514.5  | 693.6  | 877.1  | 1065.1 | 1247.5 | 1419.2 |
| 12.5°  | 90.3  | 134.2  | 196.2 | 292.4  | 438.4 | 624.5  | 824.2  | 1033.0 | 1247.5 | 1461.2 | 1652.0 |
| 10°    | 102.0 | 152.7  | 230.1 | 342.1  | 516.1 | 722.1  | 939.5  | 1173.0 | 1419.2 | 1652.0 | 1843.5 |
| 7.5°   | 111.3 | 167.4  | 257.1 | 390.0  | 584.6 | 804.4  | 1042.1 | 1298.9 | 1563.5 | 1800.7 | 1981.1 |
| 5°     | 118.0 | 178.1  | 276.7 | 426.9  | 634.8 | 865.1  | 1118.4 | 1394.0 | 1670.0 | 1902.0 | 2075.6 |
| 2.5°   | 122.0 | 184.5  | 288.6 | 451.4  | 665.5 | 902.3  | 1165.4 | 1453.6 | 1734.5 | 1960.7 | 2132.2 |
| 0°     | 123.4 | 186.7  | 292.6 | 459.6  | 675.8 | 914.9  | 1181.3 | 1473.9 | 1756.6 | 1979.3 | 2151.8 |
| -2.5°  | 122.0 | 184.5  | 288.6 | 451.4  | 665.5 | 902.3  | 1165.4 | 1453.6 | 1734.5 | 1960.7 | 2132.2 |
| -5°    | 118.0 | 178.1  | 276.7 | 426.9  | 634.8 | 865.1  | 1118.4 | 1394.0 | 1670.0 | 1902.0 | 2075.6 |
| -7.5°  | 111.3 | 167.4  | 257.1 | 390.0  | 584.6 | 804.4  | 1042.1 | 1298.9 | 1563.5 | 1800.7 | 1981.1 |
| -10°   | 102.0 | 152.7  | 230.1 | 342.1  | 516.1 | 722.1  | 939.5  | 1173.0 | 1419.2 | 1652.0 | 1843.5 |
| -12.5° | 90.3  | 134.2  | 196.2 | 292.4  | 438.4 | 624.5  | 824.2  | 1033.0 | 1247.5 | 1461.2 | 1652.0 |
| -15°   | 77.5  | 115.6  | 168.3 | 248.4  | 356.2 | 514.5  | 693.6  | 877.1  | 1065.1 | 1247.5 | 1419.2 |
| -17.5° | 67.4  | 98.0   | 140.7 | 198.3  | 284.5 | 404.5  | 557.6  | 718.5  | 877.1  | 1033.0 | 1173.0 |
| -20°   | 56.0  | 78.9   | 114.1 | 160.4  | 224.5 | 306.6  | 421.0  | 557.6  | 693.6  | 824.2  | 939.5  |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -35° | -32.5° | -30° | -27.5° | -25°  | -22.5° | -20°  | -17.5° | -15°  | -12.5° | -10°  |
|--------|------|--------|------|--------|-------|--------|-------|--------|-------|--------|-------|
| -22.5° | 47.0 | 65.4   | 90.9 | 124.3  | 170.4 | 233.3  | 306.6 | 404.5  | 514.5 | 624.5  | 722.1 |
| -25°   | 38.9 | 51.4   | 71.1 | 97.3   | 129.1 | 170.4  | 224.5 | 284.5  | 356.2 | 438.4  | 516.1 |
| -27.5° | 32.1 | 42.1   | 54.5 | 73.0   | 97.3  | 124.3  | 160.4 | 198.3  | 248.4 | 292.4  | 342.1 |
| -30°   | 25.9 | 33.5   | 43.2 | 54.5   | 71.1  | 90.9   | 114.1 | 140.7  | 168.3 | 196.2  | 230.1 |
| -32.5° | 21.7 | 26.6   | 33.5 | 42.1   | 51.4  | 65.4   | 78.9  | 98.0   | 115.6 | 134.2  | 152.7 |
| -35°   | 18.1 | 21.7   | 25.9 | 32.1   | 38.9  | 47.0   | 56.0  | 67.4   | 77.5  | 90.3   | 102.0 |
| -37.5° | 16.0 | 17.9   | 20.9 | 24.4   | 29.3  | 34.4   | 40.6  | 46.9   | 52.7  | 60.7   | 67.5  |
| -40°   | 14.3 | 15.6   | 17.4 | 19.4   | 22.4  | 25.3   | 29.6  | 33.5   | 37.5  | 42.0   | 45.7  |
| -42.5° | 13.1 | 13.9   | 15.0 | 16.4   | 17.8  | 19.7   | 22.1  | 24.3   | 26.9  | 29.6   | 31.9  |
| -45°   | 13.1 | 13.1   | 13.3 | 14.3   | 15.2  | 16.3   | 17.5  | 18.5   | 20.1  | 21.6   | 22.9  |
| -47.5° | 12.5 | 13.0   | 13.1 | 13.1   | 13.3  | 14.1   | 14.8  | 15.5   | 16.3  | 17.0   | 17.6  |
| -50°   | 11.7 | 12.1   | 12.6 | 13.0   | 13.1  | 13.1   | 13.1  | 13.4   | 13.9  | 14.3   | 14.7  |
| -52.5° | 10.9 | 11.3   | 11.7 | 12.1   | 12.4  | 12.8   | 13.1  | 13.1   | 13.1  | 13.1   | 13.1  |
| -55°   | 10.0 | 10.4   | 10.8 | 11.2   | 11.5  | 11.8   | 12.1  | 12.3   | 12.5  | 12.7   | 12.8  |
| -57.5° | 9.2  | 9.6    | 9.9  | 10.2   | 10.5  | 10.8   | 11.0  | 11.3   | 11.5  | 11.6   | 11.8  |
| -60°   | 8.7  | 8.7    | 9.0  | 9.3    | 9.6   | 9.8    | 10.0  | 10.2   | 10.4  | 10.6   | 10.7  |
| -62.5° | 8.6  | 8.7    | 8.7  | 8.7    | 8.7   | 8.8    | 9.0   | 9.2    | 9.4   | 9.5    | 9.6   |
| -65°   | 7.7  | 8.0    | 8.2  | 8.5    | 8.7   | 8.7    | 8.7   | 8.7    | 8.7   | 8.7    | 8.7   |
| -67.5° | 6.9  | 7.1    | 7.3  | 7.5    | 7.7   | 7.9    | 8.1   | 8.2    | 8.3   | 8.5    | 8.5   |
| -70°   | 6.6  | 6.6    | 6.6  | 6.7    | 6.8   | 7.0    | 7.1   | 7.2    | 7.3   | 7.4    | 7.5   |
| -72.5° | 6.3  | 6.5    | 6.6  | 6.6    | 6.6   | 6.6    | 6.6   | 6.6    | 6.6   | 6.6    | 6.6   |
| -75°   | 5.4  | 5.5    | 5.7  | 5.8    | 6.0   | 6.1    | 6.2   | 6.3    | 6.4   | 6.4    | 6.5   |
| -77.5° | 4.5  | 4.6    | 4.8  | 4.9    | 5.0   | 5.1    | 5.2   | 5.2    | 5.3   | 5.4    | 5.4   |
| -80°   | 3.6  | 3.7    | 3.8  | 3.9    | 4.0   | 4.1    | 4.1   | 4.2    | 4.2   | 4.3    | 4.3   |
| -82.5° | 2.7  | 2.8    | 2.9  | 2.9    | 3.0   | 3.0    | 3.1   | 3.1    | 3.2   | 3.2    | 3.2   |
| -85°   | 1.8  | 1.9    | 1.9  | 2.0    | 2.0   | 2.0    | 2.1   | 2.1    | 2.1   | 2.1    | 2.2   |
| -87.5° | 0.9  | 0.9    | 1.0  | 1.0    | 1.0   | 1.0    | 1.0   | 1.0    | 1.1   | 1.1    | 1.1   |
| -90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°  | -5°    | -2.5°  | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    | 1.0    |
| 85°    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    | 2.1    | 2.1    | 2.1    |
| 82.5°  | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    | 3.2    | 3.2    | 3.2    | 3.1    |
| 80°    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 4.3    | 4.3    | 4.2    | 4.2    |
| 77.5°  | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.4    | 5.4    | 5.3    | 5.2    |
| 75°    | 6.5    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.5    | 6.5    | 6.4    | 6.4    | 6.3    |
| 72.5°  | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    |
| 70°    | 7.5    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.5    | 7.5    | 7.4    | 7.3    | 7.2    |
| 67.5°  | 8.6    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.6    | 8.5    | 8.5    | 8.3    | 8.2    |
| 65°    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 62.5°  | 9.7    | 9.8    | 9.8    | 9.8    | 9.8    | 9.8    | 9.7    | 9.6    | 9.5    | 9.4    | 9.2    |
| 60°    | 10.8   | 10.8   | 10.9   | 10.9   | 10.9   | 10.8   | 10.8   | 10.7   | 10.6   | 10.4   | 10.2   |
| 57.5°  | 11.9   | 11.9   | 12.0   | 12.0   | 12.0   | 11.9   | 11.9   | 11.8   | 11.6   | 11.5   | 11.3   |
| 55°    | 12.9   | 13.0   | 13.1   | 13.1   | 13.1   | 13.0   | 12.9   | 12.8   | 12.7   | 12.5   | 12.3   |
| 52.5°  | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   |
| 50°    | 14.9   | 15.1   | 15.3   | 15.3   | 15.3   | 15.1   | 14.9   | 14.7   | 14.3   | 13.9   | 13.4   |
| 47.5°  | 18.0   | 18.3   | 18.5   | 18.6   | 18.5   | 18.3   | 18.0   | 17.6   | 17.0   | 16.3   | 15.5   |
| 45°    | 23.8   | 24.5   | 25.0   | 25.1   | 25.0   | 24.5   | 23.8   | 22.9   | 21.6   | 20.1   | 18.5   |
| 42.5°  | 33.7   | 35.0   | 35.7   | 36.0   | 35.7   | 35.0   | 33.7   | 31.9   | 29.6   | 26.9   | 24.3   |
| 40°    | 48.6   | 50.7   | 52.0   | 52.4   | 52.0   | 50.7   | 48.6   | 45.7   | 42.0   | 37.5   | 33.5   |
| 37.5°  | 72.8   | 76.6   | 78.9   | 79.7   | 78.9   | 76.6   | 72.8   | 67.5   | 60.7   | 52.7   | 46.9   |
| 35°    | 111.3  | 118.0  | 122.0  | 123.4  | 122.0  | 118.0  | 111.3  | 102.0  | 90.3   | 77.5   | 67.4   |
| 32.5°  | 167.4  | 178.1  | 184.5  | 186.7  | 184.5  | 178.1  | 167.4  | 152.7  | 134.2  | 115.6  | 98.0   |
| 30°    | 257.1  | 276.7  | 288.6  | 292.6  | 288.6  | 276.7  | 257.1  | 230.1  | 196.2  | 168.3  | 140.7  |
| 27.5°  | 390.0  | 426.9  | 451.4  | 459.6  | 451.4  | 426.9  | 390.0  | 342.1  | 292.4  | 248.4  | 198.3  |
| 25°    | 584.6  | 634.8  | 665.5  | 675.8  | 665.5  | 634.8  | 584.6  | 516.1  | 438.4  | 356.2  | 284.5  |
| 22.5°  | 804.4  | 865.1  | 902.3  | 914.9  | 902.3  | 865.1  | 804.4  | 722.1  | 624.5  | 514.5  | 404.5  |
| 20°    | 1042.1 | 1118.4 | 1165.4 | 1181.3 | 1165.4 | 1118.4 | 1042.1 | 939.5  | 824.2  | 693.6  | 557.6  |
| 17.5°  | 1298.9 | 1394.0 | 1453.6 | 1473.9 | 1453.6 | 1394.0 | 1298.9 | 1173.0 | 1033.0 | 877.1  | 718.5  |
| 15°    | 1563.5 | 1670.0 | 1734.5 | 1756.6 | 1734.5 | 1670.0 | 1563.5 | 1419.2 | 1247.5 | 1065.1 | 877.1  |
| 12.5°  | 1800.7 | 1902.0 | 1960.7 | 1979.3 | 1960.7 | 1902.0 | 1800.7 | 1652.0 | 1461.2 | 1247.5 | 1033.0 |
| 10°    | 1981.1 | 2075.6 | 2132.2 | 2151.8 | 2132.2 | 2075.6 | 1981.1 | 1843.5 | 1652.0 | 1419.2 | 1173.0 |
| 7.5°   | 2113.7 | 2209.4 | 2267.3 | 2284.5 | 2267.3 | 2209.4 | 2113.7 | 1981.1 | 1800.7 | 1563.5 | 1298.9 |
| 5°     | 2209.4 | 2303.0 | 2338.4 | 2346.1 | 2338.4 | 2303.0 | 2209.4 | 2075.6 | 1902.0 | 1670.0 | 1394.0 |
| 2.5°   | 2267.3 | 2338.4 | 2344.2 | 2338.0 | 2344.2 | 2338.4 | 2267.3 | 2132.2 | 1960.7 | 1734.5 | 1453.6 |
| 0°     | 2284.5 | 2346.1 | 2338.0 | 2342.9 | 2338.0 | 2346.1 | 2284.5 | 2151.8 | 1979.3 | 1756.6 | 1473.9 |
| -2.5°  | 2267.3 | 2338.4 | 2344.2 | 2338.0 | 2344.2 | 2338.4 | 2267.3 | 2132.2 | 1960.7 | 1734.5 | 1453.6 |
| -5°    | 2209.4 | 2303.0 | 2338.4 | 2346.1 | 2338.4 | 2303.0 | 2209.4 | 2075.6 | 1902.0 | 1670.0 | 1394.0 |
| -7.5°  | 2113.7 | 2209.4 | 2267.3 | 2284.5 | 2267.3 | 2209.4 | 2113.7 | 1981.1 | 1800.7 | 1563.5 | 1298.9 |
| -10°   | 1981.1 | 2075.6 | 2132.2 | 2151.8 | 2132.2 | 2075.6 | 1981.1 | 1843.5 | 1652.0 | 1419.2 | 1173.0 |
| -12.5° | 1800.7 | 1902.0 | 1960.7 | 1979.3 | 1960.7 | 1902.0 | 1800.7 | 1652.0 | 1461.2 | 1247.5 | 1033.0 |
| -15°   | 1563.5 | 1670.0 | 1734.5 | 1756.6 | 1734.5 | 1670.0 | 1563.5 | 1419.2 | 1247.5 | 1065.1 | 877.1  |
| -17.5° | 1298.9 | 1394.0 | 1453.6 | 1473.9 | 1453.6 | 1394.0 | 1298.9 | 1173.0 | 1033.0 | 877.1  | 718.5  |
| -20°   | 1042.1 | 1118.4 | 1165.4 | 1181.3 | 1165.4 | 1118.4 | 1042.1 | 939.5  | 824.2  | 693.6  | 557.6  |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -7.5° | -5°   | -2.5° | 0°    | 2.5°  | 5°    | 7.5°  | 10°   | 12.5° | 15°   | 17.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -22.5° | 804.4 | 865.1 | 902.3 | 914.9 | 902.3 | 865.1 | 804.4 | 722.1 | 624.5 | 514.5 | 404.5 |
| -25°   | 584.6 | 634.8 | 665.5 | 675.8 | 665.5 | 634.8 | 584.6 | 516.1 | 438.4 | 356.2 | 284.5 |
| -27.5° | 390.0 | 426.9 | 451.4 | 459.6 | 451.4 | 426.9 | 390.0 | 342.1 | 292.4 | 248.4 | 198.3 |
| -30°   | 257.1 | 276.7 | 288.6 | 292.6 | 288.6 | 276.7 | 257.1 | 230.1 | 196.2 | 168.3 | 140.7 |
| -32.5° | 167.4 | 178.1 | 184.5 | 186.7 | 184.5 | 178.1 | 167.4 | 152.7 | 134.2 | 115.6 | 98.0  |
| -35°   | 111.3 | 118.0 | 122.0 | 123.4 | 122.0 | 118.0 | 111.3 | 102.0 | 90.3  | 77.5  | 67.4  |
| -37.5° | 72.8  | 76.6  | 78.9  | 79.7  | 78.9  | 76.6  | 72.8  | 67.5  | 60.7  | 52.7  | 46.9  |
| -40°   | 48.6  | 50.7  | 52.0  | 52.4  | 52.0  | 50.7  | 48.6  | 45.7  | 42.0  | 37.5  | 33.5  |
| -42.5° | 33.7  | 35.0  | 35.7  | 36.0  | 35.7  | 35.0  | 33.7  | 31.9  | 29.6  | 26.9  | 24.3  |
| -45°   | 23.8  | 24.5  | 25.0  | 25.1  | 25.0  | 24.5  | 23.8  | 22.9  | 21.6  | 20.1  | 18.5  |
| -47.5° | 18.0  | 18.3  | 18.5  | 18.6  | 18.5  | 18.3  | 18.0  | 17.6  | 17.0  | 16.3  | 15.5  |
| -50°   | 14.9  | 15.1  | 15.3  | 15.3  | 15.3  | 15.1  | 14.9  | 14.7  | 14.3  | 13.9  | 13.4  |
| -52.5° | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  | 13.1  |
| -55°   | 12.9  | 13.0  | 13.1  | 13.1  | 13.1  | 13.0  | 12.9  | 12.8  | 12.7  | 12.5  | 12.3  |
| -57.5° | 11.9  | 11.9  | 12.0  | 12.0  | 12.0  | 11.9  | 11.9  | 11.8  | 11.6  | 11.5  | 11.3  |
| -60°   | 10.8  | 10.8  | 10.9  | 10.9  | 10.9  | 10.8  | 10.8  | 10.7  | 10.6  | 10.4  | 10.2  |
| -62.5° | 9.7   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.7   | 9.6   | 9.5   | 9.4   | 9.2   |
| -65°   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   |
| -67.5° | 8.6   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 8.6   | 8.5   | 8.5   | 8.3   | 8.2   |
| -70°   | 7.5   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.5   | 7.5   | 7.4   | 7.3   | 7.2   |
| -72.5° | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   |
| -75°   | 6.5   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6   | 6.5   | 6.5   | 6.4   | 6.4   | 6.3   |
| -77.5° | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   | 5.4   | 5.4   | 5.3   | 5.2   |
| -80°   | 4.4   | 4.4   | 4.4   | 4.4   | 4.4   | 4.4   | 4.4   | 4.3   | 4.3   | 4.2   | 4.2   |
| -82.5° | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.3   | 3.2   | 3.2   | 3.2   | 3.1   |
| -85°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 2.1   | 2.1   | 2.1   |
| -87.5° | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.0   |
| -90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 20°    | 22.5° | 25°   | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°  | 42.5° | 45°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| 90°    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  |
| 87.5°  | 1.0    | 1.0   | 1.0   | 1.0   | 1.0   | 0.9   | 0.9   | 0.9   | 0.8  | 0.8   | 0.8  |
| 85°    | 2.1    | 2.0   | 2.0   | 2.0   | 1.9   | 1.9   | 1.8   | 1.7   | 1.7  | 1.6   | 1.6  |
| 82.5°  | 3.1    | 3.0   | 3.0   | 2.9   | 2.9   | 2.8   | 2.7   | 2.6   | 2.5  | 2.4   | 2.3  |
| 80°    | 4.1    | 4.1   | 4.0   | 3.9   | 3.8   | 3.7   | 3.6   | 3.5   | 3.4  | 3.2   | 3.1  |
| 77.5°  | 5.2    | 5.1   | 5.0   | 4.9   | 4.8   | 4.6   | 4.5   | 4.4   | 4.2  | 4.0   | 3.9  |
| 75°    | 6.2    | 6.1   | 6.0   | 5.8   | 5.7   | 5.5   | 5.4   | 5.2   | 5.0  | 4.8   | 4.6  |
| 72.5°  | 6.6    | 6.6   | 6.6   | 6.6   | 6.6   | 6.5   | 6.3   | 6.1   | 5.9  | 5.6   | 5.4  |
| 70°    | 7.1    | 7.0   | 6.8   | 6.7   | 6.6   | 6.6   | 6.6   | 6.6   | 6.6  | 6.4   | 6.2  |
| 67.5°  | 8.1    | 7.9   | 7.7   | 7.5   | 7.3   | 7.1   | 6.9   | 6.7   | 6.6  | 6.6   | 6.6  |
| 65°    | 8.7    | 8.7   | 8.7   | 8.5   | 8.2   | 8.0   | 7.7   | 7.4   | 7.2  | 6.9   | 6.6  |
| 62.5°  | 9.0    | 8.8   | 8.7   | 8.7   | 8.7   | 8.7   | 8.6   | 8.3   | 7.9  | 7.6   | 7.2  |
| 60°    | 10.0   | 9.8   | 9.6   | 9.3   | 9.0   | 8.7   | 8.7   | 8.7   | 8.7  | 8.3   | 7.9  |
| 57.5°  | 11.0   | 10.8  | 10.5  | 10.2  | 9.9   | 9.6   | 9.2   | 8.8   | 8.7  | 8.7   | 8.6  |
| 55°    | 12.1   | 11.8  | 11.5  | 11.2  | 10.8  | 10.4  | 10.0  | 9.6   | 9.2  | 8.7   | 8.7  |
| 52.5°  | 13.1   | 12.8  | 12.4  | 12.1  | 11.7  | 11.3  | 10.9  | 10.4  | 9.9  | 9.4   | 8.9  |
| 50°    | 13.1   | 13.1  | 13.1  | 13.0  | 12.6  | 12.1  | 11.7  | 11.2  | 10.7 | 10.1  | 9.6  |
| 47.5°  | 14.8   | 14.1  | 13.3  | 13.1  | 13.1  | 13.0  | 12.5  | 12.0  | 11.4 | 10.8  | 10.3 |
| 45°    | 17.5   | 16.3  | 15.2  | 14.3  | 13.3  | 13.1  | 13.1  | 12.7  | 12.1 | 11.5  | 10.9 |
| 42.5°  | 22.1   | 19.7  | 17.8  | 16.4  | 15.0  | 13.9  | 13.1  | 13.1  | 12.8 | 12.2  | 11.5 |
| 40°    | 29.6   | 25.3  | 22.4  | 19.4  | 17.4  | 15.6  | 14.3  | 13.1  | 13.1 | 12.8  | 12.1 |
| 37.5°  | 40.6   | 34.4  | 29.3  | 24.4  | 20.9  | 17.9  | 16.0  | 14.4  | 13.1 | 13.1  | 12.7 |
| 35°    | 56.0   | 47.0  | 38.9  | 32.1  | 25.9  | 21.7  | 18.1  | 16.0  | 14.3 | 13.1  | 13.1 |
| 32.5°  | 78.9   | 65.4  | 51.4  | 42.1  | 33.5  | 26.6  | 21.7  | 17.9  | 15.6 | 13.9  | 13.1 |
| 30°    | 114.1  | 90.9  | 71.1  | 54.5  | 43.2  | 33.5  | 25.9  | 20.9  | 17.4 | 15.0  | 13.3 |
| 27.5°  | 160.4  | 124.3 | 97.3  | 73.0  | 54.5  | 42.1  | 32.1  | 24.4  | 19.4 | 16.4  | 14.3 |
| 25°    | 224.5  | 170.4 | 129.1 | 97.3  | 71.1  | 51.4  | 38.9  | 29.3  | 22.4 | 17.8  | 15.2 |
| 22.5°  | 306.6  | 233.3 | 170.4 | 124.3 | 90.9  | 65.4  | 47.0  | 34.4  | 25.3 | 19.7  | 16.3 |
| 20°    | 421.0  | 306.6 | 224.5 | 160.4 | 114.1 | 78.9  | 56.0  | 40.6  | 29.6 | 22.1  | 17.5 |
| 17.5°  | 557.6  | 404.5 | 284.5 | 198.3 | 140.7 | 98.0  | 67.4  | 46.9  | 33.5 | 24.3  | 18.5 |
| 15°    | 693.6  | 514.5 | 356.2 | 248.4 | 168.3 | 115.6 | 77.5  | 52.7  | 37.5 | 26.9  | 20.1 |
| 12.5°  | 824.2  | 624.5 | 438.4 | 292.4 | 196.2 | 134.2 | 90.3  | 60.7  | 42.0 | 29.6  | 21.6 |
| 10°    | 939.5  | 722.1 | 516.1 | 342.1 | 230.1 | 152.7 | 102.0 | 67.5  | 45.7 | 31.9  | 22.9 |
| 7.5°   | 1042.1 | 804.4 | 584.6 | 390.0 | 257.1 | 167.4 | 111.3 | 72.8  | 48.6 | 33.7  | 23.8 |
| 5°     | 1118.4 | 865.1 | 634.8 | 426.9 | 276.7 | 178.1 | 118.0 | 76.6  | 50.7 | 35.0  | 24.5 |
| 2.5°   | 1165.4 | 902.3 | 665.5 | 451.4 | 288.6 | 184.5 | 122.0 | 78.9  | 52.0 | 35.7  | 25.0 |
| 0°     | 1181.3 | 914.9 | 675.8 | 459.6 | 292.6 | 186.7 | 123.4 | 79.7  | 52.4 | 36.0  | 25.1 |
| -2.5°  | 1165.4 | 902.3 | 665.5 | 451.4 | 288.6 | 184.5 | 122.0 | 78.9  | 52.0 | 35.7  | 25.0 |
| -5°    | 1118.4 | 865.1 | 634.8 | 426.9 | 276.7 | 178.1 | 118.0 | 76.6  | 50.7 | 35.0  | 24.5 |
| -7.5°  | 1042.1 | 804.4 | 584.6 | 390.0 | 257.1 | 167.4 | 111.3 | 72.8  | 48.6 | 33.7  | 23.8 |
| -10°   | 939.5  | 722.1 | 516.1 | 342.1 | 230.1 | 152.7 | 102.0 | 67.5  | 45.7 | 31.9  | 22.9 |
| -12.5° | 824.2  | 624.5 | 438.4 | 292.4 | 196.2 | 134.2 | 90.3  | 60.7  | 42.0 | 29.6  | 21.6 |
| -15°   | 693.6  | 514.5 | 356.2 | 248.4 | 168.3 | 115.6 | 77.5  | 52.7  | 37.5 | 26.9  | 20.1 |
| -17.5° | 557.6  | 404.5 | 284.5 | 198.3 | 140.7 | 98.0  | 67.4  | 46.9  | 33.5 | 24.3  | 18.5 |
| -20°   | 421.0  | 306.6 | 224.5 | 160.4 | 114.1 | 78.9  | 56.0  | 40.6  | 29.6 | 22.1  | 17.5 |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 20°   | 22.5° | 25°   | 27.5° | 30°  | 32.5° | 35°  | 37.5° | 40°  | 42.5° | 45°  |
|--------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|
| -22.5° | 306.6 | 233.3 | 170.4 | 124.3 | 90.9 | 65.4  | 47.0 | 34.4  | 25.3 | 19.7  | 16.3 |
| -25°   | 224.5 | 170.4 | 129.1 | 97.3  | 71.1 | 51.4  | 38.9 | 29.3  | 22.4 | 17.8  | 15.2 |
| -27.5° | 160.4 | 124.3 | 97.3  | 73.0  | 54.5 | 42.1  | 32.1 | 24.4  | 19.4 | 16.4  | 14.3 |
| -30°   | 114.1 | 90.9  | 71.1  | 54.5  | 43.2 | 33.5  | 25.9 | 20.9  | 17.4 | 15.0  | 13.3 |
| -32.5° | 78.9  | 65.4  | 51.4  | 42.1  | 33.5 | 26.6  | 21.7 | 17.9  | 15.6 | 13.9  | 13.1 |
| -35°   | 56.0  | 47.0  | 38.9  | 32.1  | 25.9 | 21.7  | 18.1 | 16.0  | 14.3 | 13.1  | 13.1 |
| -37.5° | 40.6  | 34.4  | 29.3  | 24.4  | 20.9 | 17.9  | 16.0 | 14.4  | 13.1 | 13.1  | 12.7 |
| -40°   | 29.6  | 25.3  | 22.4  | 19.4  | 17.4 | 15.6  | 14.3 | 13.1  | 13.1 | 12.8  | 12.1 |
| -42.5° | 22.1  | 19.7  | 17.8  | 16.4  | 15.0 | 13.9  | 13.1 | 13.1  | 12.8 | 12.2  | 11.5 |
| -45°   | 17.5  | 16.3  | 15.2  | 14.3  | 13.3 | 13.1  | 13.1 | 12.7  | 12.1 | 11.5  | 10.9 |
| -47.5° | 14.8  | 14.1  | 13.3  | 13.1  | 13.1 | 13.0  | 12.5 | 12.0  | 11.4 | 10.8  | 10.3 |
| -50°   | 13.1  | 13.1  | 13.1  | 13.0  | 12.6 | 12.1  | 11.7 | 11.2  | 10.7 | 10.1  | 9.6  |
| -52.5° | 13.1  | 12.8  | 12.4  | 12.1  | 11.7 | 11.3  | 10.9 | 10.4  | 9.9  | 9.4   | 8.9  |
| -55°   | 12.1  | 11.8  | 11.5  | 11.2  | 10.8 | 10.4  | 10.0 | 9.6   | 9.2  | 8.7   | 8.7  |
| -57.5° | 11.0  | 10.8  | 10.5  | 10.2  | 9.9  | 9.6   | 9.2  | 8.8   | 8.7  | 8.7   | 8.6  |
| -60°   | 10.0  | 9.8   | 9.6   | 9.3   | 9.0  | 8.7   | 8.7  | 8.7   | 8.7  | 8.3   | 7.9  |
| -62.5° | 9.0   | 8.8   | 8.7   | 8.7   | 8.7  | 8.7   | 8.6  | 8.3   | 7.9  | 7.6   | 7.2  |
| -65°   | 8.7   | 8.7   | 8.7   | 8.5   | 8.2  | 8.0   | 7.7  | 7.4   | 7.2  | 6.9   | 6.6  |
| -67.5° | 8.1   | 7.9   | 7.7   | 7.5   | 7.3  | 7.1   | 6.9  | 6.7   | 6.6  | 6.6   | 6.6  |
| -70°   | 7.1   | 7.0   | 6.8   | 6.7   | 6.6  | 6.6   | 6.6  | 6.6   | 6.6  | 6.4   | 6.2  |
| -72.5° | 6.6   | 6.6   | 6.6   | 6.6   | 6.6  | 6.5   | 6.3  | 6.1   | 5.9  | 5.6   | 5.4  |
| -75°   | 6.2   | 6.1   | 6.0   | 5.8   | 5.7  | 5.5   | 5.4  | 5.2   | 5.0  | 4.8   | 4.6  |
| -77.5° | 5.2   | 5.1   | 5.0   | 4.9   | 4.8  | 4.6   | 4.5  | 4.4   | 4.2  | 4.0   | 3.9  |
| -80°   | 4.1   | 4.1   | 4.0   | 3.9   | 3.8  | 3.7   | 3.6  | 3.5   | 3.4  | 3.2   | 3.1  |
| -82.5° | 3.1   | 3.0   | 3.0   | 2.9   | 2.9  | 2.8   | 2.7  | 2.6   | 2.5  | 2.4   | 2.3  |
| -85°   | 2.1   | 2.0   | 2.0   | 2.0   | 1.9  | 1.9   | 1.8  | 1.7   | 1.7  | 1.6   | 1.6  |
| -87.5° | 1.0   | 1.0   | 1.0   | 1.0   | 1.0  | 0.9   | 0.9  | 0.9   | 0.8  | 0.8   | 0.8  |
| -90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |





REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 50°  | 52.5° | 55°  | 57.5° | 60°  | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|------|-------|------|-------|------|-------|-----|-------|-----|-------|
| 90°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 87.5°  | 0.7   | 0.7  | 0.7   | 0.6  | 0.6   | 0.5  | 0.5   | 0.5 | 0.4   | 0.4 | 0.3   |
| 85°    | 1.5   | 1.4  | 1.3   | 1.3  | 1.2   | 1.1  | 1.0   | 0.9 | 0.8   | 0.8 | 0.7   |
| 82.5°  | 2.2   | 2.1  | 2.0   | 1.9  | 1.8   | 1.6  | 1.5   | 1.4 | 1.3   | 1.1 | 1.0   |
| 80°    | 3.0   | 2.8  | 2.7   | 2.5  | 2.4   | 2.2  | 2.0   | 1.9 | 1.7   | 1.5 | 1.3   |
| 77.5°  | 3.7   | 3.5  | 3.3   | 3.1  | 2.9   | 2.7  | 2.5   | 2.3 | 2.1   | 1.9 | 1.6   |
| 75°    | 4.4   | 4.2  | 4.0   | 3.8  | 3.5   | 3.3  | 3.0   | 2.8 | 2.5   | 2.2 | 2.0   |
| 72.5°  | 5.2   | 4.9  | 4.6   | 4.4  | 4.1   | 3.8  | 3.5   | 3.2 | 2.9   | 2.6 | 2.3   |
| 70°    | 5.9   | 5.6  | 5.3   | 5.0  | 4.7   | 4.3  | 4.0   | 3.7 | 3.3   | 3.0 | 2.6   |
| 67.5°  | 6.6   | 6.3  | 5.9   | 5.6  | 5.2   | 4.9  | 4.5   | 4.1 | 3.7   | 3.3 | 2.9   |
| 65°    | 6.6   | 6.6  | 6.6   | 6.2  | 5.8   | 5.4  | 5.0   | 4.5 | 4.1   | 3.7 | 3.2   |
| 62.5°  | 6.9   | 6.6  | 6.6   | 6.6  | 6.3   | 5.9  | 5.4   | 5.0 | 4.5   | 4.0 | 3.5   |
| 60°    | 7.5   | 7.1  | 6.7   | 6.6  | 6.6   | 6.4  | 5.9   | 5.4 | 4.9   | 4.3 | 3.8   |
| 57.5°  | 8.2   | 7.7  | 7.2   | 6.8  | 6.6   | 6.6  | 6.3   | 5.8 | 5.2   | 4.7 | 4.1   |
| 55°    | 8.7   | 8.3  | 7.8   | 7.3  | 6.8   | 6.6  | 6.6   | 6.2 | 5.6   | 5.0 | 4.4   |
| 52.5°  | 8.7   | 8.7  | 8.4   | 7.8  | 7.2   | 6.7  | 6.6   | 6.6 | 5.9   | 5.3 | 4.6   |
| 50°    | 9.0   | 8.7  | 8.7   | 8.3  | 7.7   | 7.1  | 6.6   | 6.6 | 6.3   | 5.6 | 4.9   |
| 47.5°  | 9.6   | 9.0  | 8.7   | 8.7  | 8.2   | 7.5  | 6.9   | 6.6 | 6.6   | 5.9 | 5.2   |
| 45°    | 10.3  | 9.6  | 8.9   | 8.7  | 8.6   | 7.9  | 7.2   | 6.6 | 6.6   | 6.2 | 5.4   |
| 42.5°  | 10.8  | 10.1 | 9.4   | 8.7  | 8.7   | 8.3  | 7.6   | 6.9 | 6.6   | 6.4 | 5.6   |
| 40°    | 11.4  | 10.7 | 9.9   | 9.2  | 8.7   | 8.7  | 7.9   | 7.2 | 6.6   | 6.6 | 5.9   |
| 37.5°  | 12.0  | 11.2 | 10.4  | 9.6  | 8.8   | 8.7  | 8.3   | 7.4 | 6.7   | 6.6 | 6.1   |
| 35°    | 12.5  | 11.7 | 10.9  | 10.0 | 9.2   | 8.7  | 8.6   | 7.7 | 6.9   | 6.6 | 6.3   |
| 32.5°  | 13.0  | 12.1 | 11.3  | 10.4 | 9.6   | 8.7  | 8.7   | 8.0 | 7.1   | 6.6 | 6.5   |
| 30°    | 13.1  | 12.6 | 11.7  | 10.8 | 9.9   | 9.0  | 8.7   | 8.2 | 7.3   | 6.6 | 6.6   |
| 27.5°  | 13.1  | 13.0 | 12.1  | 11.2 | 10.2  | 9.3  | 8.7   | 8.5 | 7.5   | 6.7 | 6.6   |
| 25°    | 13.3  | 13.1 | 12.4  | 11.5 | 10.5  | 9.6  | 8.7   | 8.7 | 7.7   | 6.8 | 6.6   |
| 22.5°  | 14.1  | 13.1 | 12.8  | 11.8 | 10.8  | 9.8  | 8.8   | 8.7 | 7.9   | 7.0 | 6.6   |
| 20°    | 14.8  | 13.1 | 13.1  | 12.1 | 11.0  | 10.0 | 9.0   | 8.7 | 8.1   | 7.1 | 6.6   |
| 17.5°  | 15.5  | 13.4 | 13.1  | 12.3 | 11.3  | 10.2 | 9.2   | 8.7 | 8.2   | 7.2 | 6.6   |
| 15°    | 16.3  | 13.9 | 13.1  | 12.5 | 11.5  | 10.4 | 9.4   | 8.7 | 8.3   | 7.3 | 6.6   |
| 12.5°  | 17.0  | 14.3 | 13.1  | 12.7 | 11.6  | 10.6 | 9.5   | 8.7 | 8.5   | 7.4 | 6.6   |
| 10°    | 17.6  | 14.7 | 13.1  | 12.8 | 11.8  | 10.7 | 9.6   | 8.7 | 8.5   | 7.5 | 6.6   |
| 7.5°   | 18.0  | 14.9 | 13.1  | 12.9 | 11.9  | 10.8 | 9.7   | 8.7 | 8.6   | 7.5 | 6.6   |
| 5°     | 18.3  | 15.1 | 13.1  | 13.0 | 11.9  | 10.8 | 9.8   | 8.7 | 8.7   | 7.6 | 6.6   |
| 2.5°   | 18.5  | 15.3 | 13.1  | 13.1 | 12.0  | 10.9 | 9.8   | 8.7 | 8.7   | 7.6 | 6.6   |
| 0°     | 18.6  | 15.3 | 13.1  | 13.1 | 12.0  | 10.9 | 9.8   | 8.7 | 8.7   | 7.6 | 6.6   |
| -2.5°  | 18.5  | 15.3 | 13.1  | 13.1 | 12.0  | 10.9 | 9.8   | 8.7 | 8.7   | 7.6 | 6.6   |
| -5°    | 18.3  | 15.1 | 13.1  | 13.0 | 11.9  | 10.8 | 9.8   | 8.7 | 8.7   | 7.6 | 6.6   |
| -7.5°  | 18.0  | 14.9 | 13.1  | 12.9 | 11.9  | 10.8 | 9.7   | 8.7 | 8.6   | 7.5 | 6.6   |
| -10°   | 17.6  | 14.7 | 13.1  | 12.8 | 11.8  | 10.7 | 9.6   | 8.7 | 8.5   | 7.5 | 6.6   |
| -12.5° | 17.0  | 14.3 | 13.1  | 12.7 | 11.6  | 10.6 | 9.5   | 8.7 | 8.5   | 7.4 | 6.6   |
| -15°   | 16.3  | 13.9 | 13.1  | 12.5 | 11.5  | 10.4 | 9.4   | 8.7 | 8.3   | 7.3 | 6.6   |
| -17.5° | 15.5  | 13.4 | 13.1  | 12.3 | 11.3  | 10.2 | 9.2   | 8.7 | 8.2   | 7.2 | 6.6   |
| -20°   | 14.8  | 13.1 | 13.1  | 12.1 | 11.0  | 10.0 | 9.0   | 8.7 | 8.1   | 7.1 | 6.6   |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 50°  | 52.5° | 55°  | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|------|-------|------|-------|-----|-------|-----|-------|-----|-------|
| -22.5° | 14.1  | 13.1 | 12.8  | 11.8 | 10.8  | 9.8 | 8.8   | 8.7 | 7.9   | 7.0 | 6.6   |
| -25°   | 13.3  | 13.1 | 12.4  | 11.5 | 10.5  | 9.6 | 8.7   | 8.7 | 7.7   | 6.8 | 6.6   |
| -27.5° | 13.1  | 13.0 | 12.1  | 11.2 | 10.2  | 9.3 | 8.7   | 8.5 | 7.5   | 6.7 | 6.6   |
| -30°   | 13.1  | 12.6 | 11.7  | 10.8 | 9.9   | 9.0 | 8.7   | 8.2 | 7.3   | 6.6 | 6.6   |
| -32.5° | 13.0  | 12.1 | 11.3  | 10.4 | 9.6   | 8.7 | 8.7   | 8.0 | 7.1   | 6.6 | 6.5   |
| -35°   | 12.5  | 11.7 | 10.9  | 10.0 | 9.2   | 8.7 | 8.6   | 7.7 | 6.9   | 6.6 | 6.3   |
| -37.5° | 12.0  | 11.2 | 10.4  | 9.6  | 8.8   | 8.7 | 8.3   | 7.4 | 6.7   | 6.6 | 6.1   |
| -40°   | 11.4  | 10.7 | 9.9   | 9.2  | 8.7   | 8.7 | 7.9   | 7.2 | 6.6   | 6.6 | 5.9   |
| -42.5° | 10.8  | 10.1 | 9.4   | 8.7  | 8.7   | 8.3 | 7.6   | 6.9 | 6.6   | 6.4 | 5.6   |
| -45°   | 10.3  | 9.6  | 8.9   | 8.7  | 8.6   | 7.9 | 7.2   | 6.6 | 6.6   | 6.2 | 5.4   |
| -47.5° | 9.6   | 9.0  | 8.7   | 8.7  | 8.2   | 7.5 | 6.9   | 6.6 | 6.6   | 5.9 | 5.2   |
| -50°   | 9.0   | 8.7  | 8.7   | 8.3  | 7.7   | 7.1 | 6.6   | 6.6 | 6.3   | 5.6 | 4.9   |
| -52.5° | 8.7   | 8.7  | 8.4   | 7.8  | 7.2   | 6.7 | 6.6   | 6.6 | 5.9   | 5.3 | 4.6   |
| -55°   | 8.7   | 8.3  | 7.8   | 7.3  | 6.8   | 6.6 | 6.6   | 6.2 | 5.6   | 5.0 | 4.4   |
| -57.5° | 8.2   | 7.7  | 7.2   | 6.8  | 6.6   | 6.6 | 6.3   | 5.8 | 5.2   | 4.7 | 4.1   |
| -60°   | 7.5   | 7.1  | 6.7   | 6.6  | 6.6   | 6.4 | 5.9   | 5.4 | 4.9   | 4.3 | 3.8   |
| -62.5° | 6.9   | 6.6  | 6.6   | 6.6  | 6.3   | 5.9 | 5.4   | 5.0 | 4.5   | 4.0 | 3.5   |
| -65°   | 6.6   | 6.6  | 6.6   | 6.2  | 5.8   | 5.4 | 5.0   | 4.5 | 4.1   | 3.7 | 3.2   |
| -67.5° | 6.6   | 6.3  | 5.9   | 5.6  | 5.2   | 4.9 | 4.5   | 4.1 | 3.7   | 3.3 | 2.9   |
| -70°   | 5.9   | 5.6  | 5.3   | 5.0  | 4.7   | 4.3 | 4.0   | 3.7 | 3.3   | 3.0 | 2.6   |
| -72.5° | 5.2   | 4.9  | 4.6   | 4.4  | 4.1   | 3.8 | 3.5   | 3.2 | 2.9   | 2.6 | 2.3   |
| -75°   | 4.4   | 4.2  | 4.0   | 3.8  | 3.5   | 3.3 | 3.0   | 2.8 | 2.5   | 2.2 | 2.0   |
| -77.5° | 3.7   | 3.5  | 3.3   | 3.1  | 2.9   | 2.7 | 2.5   | 2.3 | 2.1   | 1.9 | 1.6   |
| -80°   | 3.0   | 2.8  | 2.7   | 2.5  | 2.4   | 2.2 | 2.0   | 1.9 | 1.7   | 1.5 | 1.3   |
| -82.5° | 2.2   | 2.1  | 2.0   | 1.9  | 1.8   | 1.6 | 1.5   | 1.4 | 1.3   | 1.1 | 1.0   |
| -85°   | 1.5   | 1.4  | 1.3   | 1.3  | 1.2   | 1.1 | 1.0   | 0.9 | 0.8   | 0.8 | 0.7   |
| -87.5° | 0.7   | 0.7  | 0.7   | 0.6  | 0.6   | 0.5 | 0.5   | 0.5 | 0.4   | 0.4 | 0.3   |
| -90°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| 90°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 87.5°  | 0.3 | 0.2   | 0.2 | 0.1   | 0.1 | 0.0   | 0.0 |
| 85°    | 0.6 | 0.5   | 0.4 | 0.3   | 0.2 | 0.1   | 0.0 |
| 82.5°  | 0.9 | 0.7   | 0.6 | 0.4   | 0.3 | 0.1   | 0.0 |
| 80°    | 1.1 | 0.9   | 0.8 | 0.6   | 0.4 | 0.2   | 0.0 |
| 77.5°  | 1.4 | 1.2   | 0.9 | 0.7   | 0.5 | 0.2   | 0.0 |
| 75°    | 1.7 | 1.4   | 1.1 | 0.9   | 0.6 | 0.3   | 0.0 |
| 72.5°  | 2.0 | 1.6   | 1.3 | 1.0   | 0.7 | 0.3   | 0.0 |
| 70°    | 2.2 | 1.9   | 1.5 | 1.1   | 0.8 | 0.4   | 0.0 |
| 67.5°  | 2.5 | 2.1   | 1.7 | 1.3   | 0.8 | 0.4   | 0.0 |
| 65°    | 2.8 | 2.3   | 1.9 | 1.4   | 0.9 | 0.5   | 0.0 |
| 62.5°  | 3.0 | 2.5   | 2.0 | 1.5   | 1.0 | 0.5   | 0.0 |
| 60°    | 3.3 | 2.7   | 2.2 | 1.6   | 1.1 | 0.5   | 0.0 |
| 57.5°  | 3.5 | 2.9   | 2.4 | 1.8   | 1.2 | 0.6   | 0.0 |
| 55°    | 3.8 | 3.1   | 2.5 | 1.9   | 1.3 | 0.6   | 0.0 |
| 52.5°  | 4.0 | 3.3   | 2.7 | 2.0   | 1.3 | 0.7   | 0.0 |
| 50°    | 4.2 | 3.5   | 2.8 | 2.1   | 1.4 | 0.7   | 0.0 |
| 47.5°  | 4.4 | 3.7   | 3.0 | 2.2   | 1.5 | 0.7   | 0.0 |
| 45°    | 4.6 | 3.9   | 3.1 | 2.3   | 1.6 | 0.8   | 0.0 |
| 42.5°  | 4.8 | 4.0   | 3.2 | 2.4   | 1.6 | 0.8   | 0.0 |
| 40°    | 5.0 | 4.2   | 3.4 | 2.5   | 1.7 | 0.8   | 0.0 |
| 37.5°  | 5.2 | 4.4   | 3.5 | 2.6   | 1.7 | 0.9   | 0.0 |
| 35°    | 5.4 | 4.5   | 3.6 | 2.7   | 1.8 | 0.9   | 0.0 |
| 32.5°  | 5.5 | 4.6   | 3.7 | 2.8   | 1.9 | 0.9   | 0.0 |
| 30°    | 5.7 | 4.8   | 3.8 | 2.9   | 1.9 | 1.0   | 0.0 |
| 27.5°  | 5.8 | 4.9   | 3.9 | 2.9   | 2.0 | 1.0   | 0.0 |
| 25°    | 6.0 | 5.0   | 4.0 | 3.0   | 2.0 | 1.0   | 0.0 |
| 22.5°  | 6.1 | 5.1   | 4.1 | 3.0   | 2.0 | 1.0   | 0.0 |
| 20°    | 6.2 | 5.2   | 4.1 | 3.1   | 2.1 | 1.0   | 0.0 |
| 17.5°  | 6.3 | 5.2   | 4.2 | 3.1   | 2.1 | 1.0   | 0.0 |
| 15°    | 6.4 | 5.3   | 4.2 | 3.2   | 2.1 | 1.1   | 0.0 |
| 12.5°  | 6.4 | 5.4   | 4.3 | 3.2   | 2.1 | 1.1   | 0.0 |
| 10°    | 6.5 | 5.4   | 4.3 | 3.2   | 2.2 | 1.1   | 0.0 |
| 7.5°   | 6.5 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| 5°     | 6.6 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| 2.5°   | 6.6 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| 0°     | 6.6 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| -2.5°  | 6.6 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| -5°    | 6.6 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| -7.5°  | 6.5 | 5.5   | 4.4 | 3.3   | 2.2 | 1.1   | 0.0 |
| -10°   | 6.5 | 5.4   | 4.3 | 3.2   | 2.2 | 1.1   | 0.0 |
| -12.5° | 6.4 | 5.4   | 4.3 | 3.2   | 2.1 | 1.1   | 0.0 |
| -15°   | 6.4 | 5.3   | 4.2 | 3.2   | 2.1 | 1.1   | 0.0 |
| -17.5° | 6.3 | 5.2   | 4.2 | 3.1   | 2.1 | 1.0   | 0.0 |
| -20°   | 6.2 | 5.2   | 4.1 | 3.1   | 2.1 | 1.0   | 0.0 |



REPORT NUMBER: P220324 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 6.1 | 5.1   | 4.1 | 3.0   | 2.0 | 1.0   | 0.0 |
| -25°   | 6.0 | 5.0   | 4.0 | 3.0   | 2.0 | 1.0   | 0.0 |
| -27.5° | 5.8 | 4.9   | 3.9 | 2.9   | 2.0 | 1.0   | 0.0 |
| -30°   | 5.7 | 4.8   | 3.8 | 2.9   | 1.9 | 1.0   | 0.0 |
| -32.5° | 5.5 | 4.6   | 3.7 | 2.8   | 1.9 | 0.9   | 0.0 |
| -35°   | 5.4 | 4.5   | 3.6 | 2.7   | 1.8 | 0.9   | 0.0 |
| -37.5° | 5.2 | 4.4   | 3.5 | 2.6   | 1.7 | 0.9   | 0.0 |
| -40°   | 5.0 | 4.2   | 3.4 | 2.5   | 1.7 | 0.8   | 0.0 |
| -42.5° | 4.8 | 4.0   | 3.2 | 2.4   | 1.6 | 0.8   | 0.0 |
| -45°   | 4.6 | 3.9   | 3.1 | 2.3   | 1.6 | 0.8   | 0.0 |
| -47.5° | 4.4 | 3.7   | 3.0 | 2.2   | 1.5 | 0.7   | 0.0 |
| -50°   | 4.2 | 3.5   | 2.8 | 2.1   | 1.4 | 0.7   | 0.0 |
| -52.5° | 4.0 | 3.3   | 2.7 | 2.0   | 1.3 | 0.7   | 0.0 |
| -55°   | 3.8 | 3.1   | 2.5 | 1.9   | 1.3 | 0.6   | 0.0 |
| -57.5° | 3.5 | 2.9   | 2.4 | 1.8   | 1.2 | 0.6   | 0.0 |
| -60°   | 3.3 | 2.7   | 2.2 | 1.6   | 1.1 | 0.5   | 0.0 |
| -62.5° | 3.0 | 2.5   | 2.0 | 1.5   | 1.0 | 0.5   | 0.0 |
| -65°   | 2.8 | 2.3   | 1.9 | 1.4   | 0.9 | 0.5   | 0.0 |
| -67.5° | 2.5 | 2.1   | 1.7 | 1.3   | 0.8 | 0.4   | 0.0 |
| -70°   | 2.2 | 1.9   | 1.5 | 1.1   | 0.8 | 0.4   | 0.0 |
| -72.5° | 2.0 | 1.6   | 1.3 | 1.0   | 0.7 | 0.3   | 0.0 |
| -75°   | 1.7 | 1.4   | 1.1 | 0.9   | 0.6 | 0.3   | 0.0 |
| -77.5° | 1.4 | 1.2   | 0.9 | 0.7   | 0.5 | 0.2   | 0.0 |
| -80°   | 1.1 | 0.9   | 0.8 | 0.6   | 0.4 | 0.2   | 0.0 |
| -82.5° | 0.9 | 0.7   | 0.6 | 0.4   | 0.3 | 0.1   | 0.0 |
| -85°   | 0.6 | 0.5   | 0.4 | 0.3   | 0.2 | 0.1   | 0.0 |
| -87.5° | 0.3 | 0.2   | 0.2 | 0.1   | 0.1 | 0.0   | 0.0 |
| -90°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)