

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: P29546 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCEB-F-BK-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29546 (CONVERTED FROM TYPE C PHOTOMETRY)  
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]-LEDCB-F-BK-LC1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

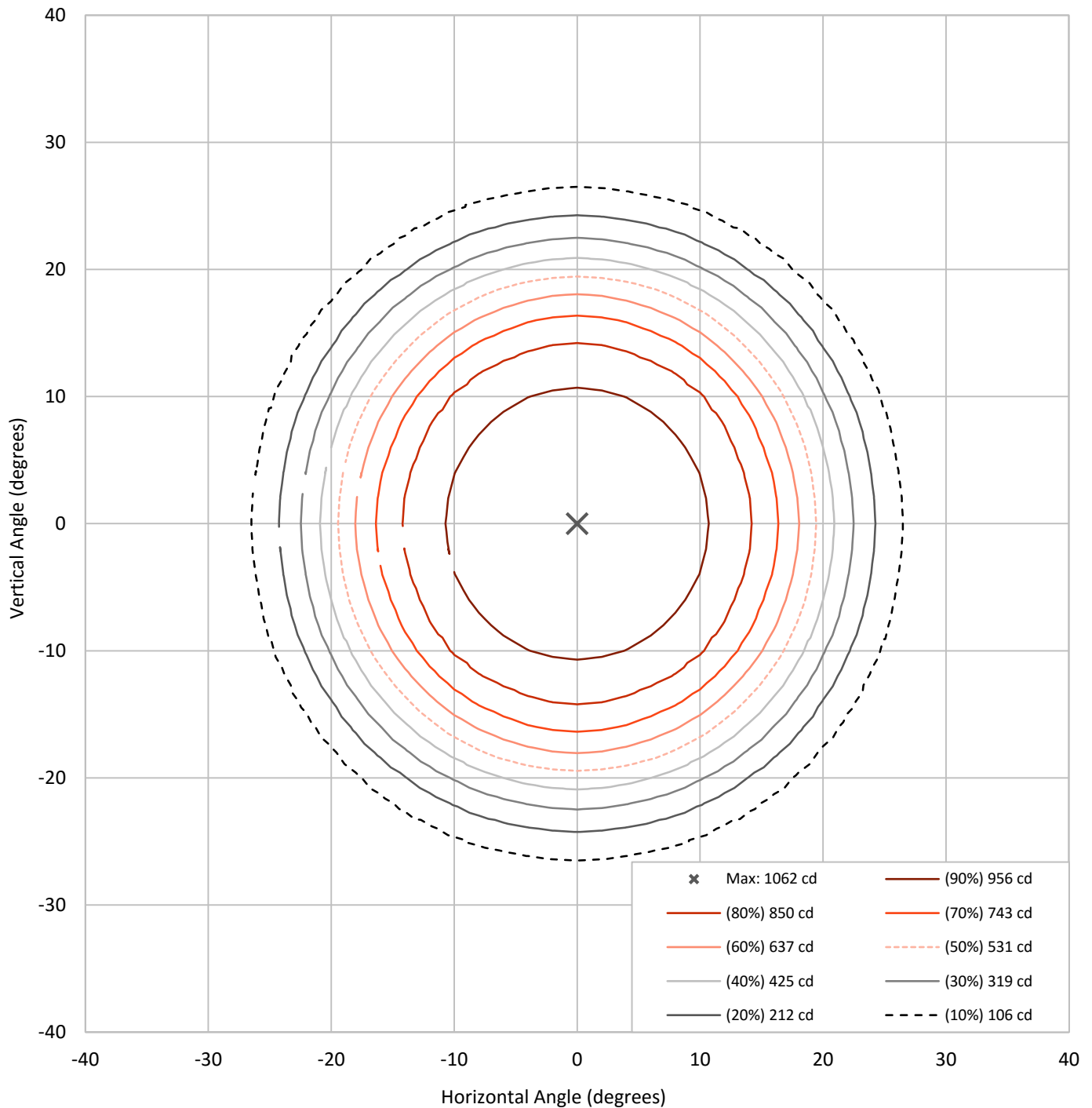
**Summary**

|                                   |                               |                      |                 |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp:                  | N/A                           | NEMA Type:           | 4H x 4V         |
| Luminaire Lumens:                 | 404.2 lumens                  | Max Intensity:       | 1062 candela    |
| Efficiency:                       | N/A                           | Max Intensity Angle: | 0°H x 0°V       |
| Efficacy:                         | 29.9 lumens/watt              |                      |                 |
| Luminous Opening:                 | Circular (Dia: 0.17' x H: 0') |                      |                 |
| Beam Angle (50%):                 | 38.9°H x 38.9°V               | Field Angle (10%):   | 52.9°H x 52.9°V |
| Beam Lumens:                      | 302.4 lumens                  | Field Lumens:        | 386.5 lumens    |
| Beam Efficiency:                  | 74.8%                         | Field Efficiency:    | 95.6%           |
| Input Watts (W):                  | 13.5                          |                      |                 |
| 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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-UNV

### Iso-Candela Plot





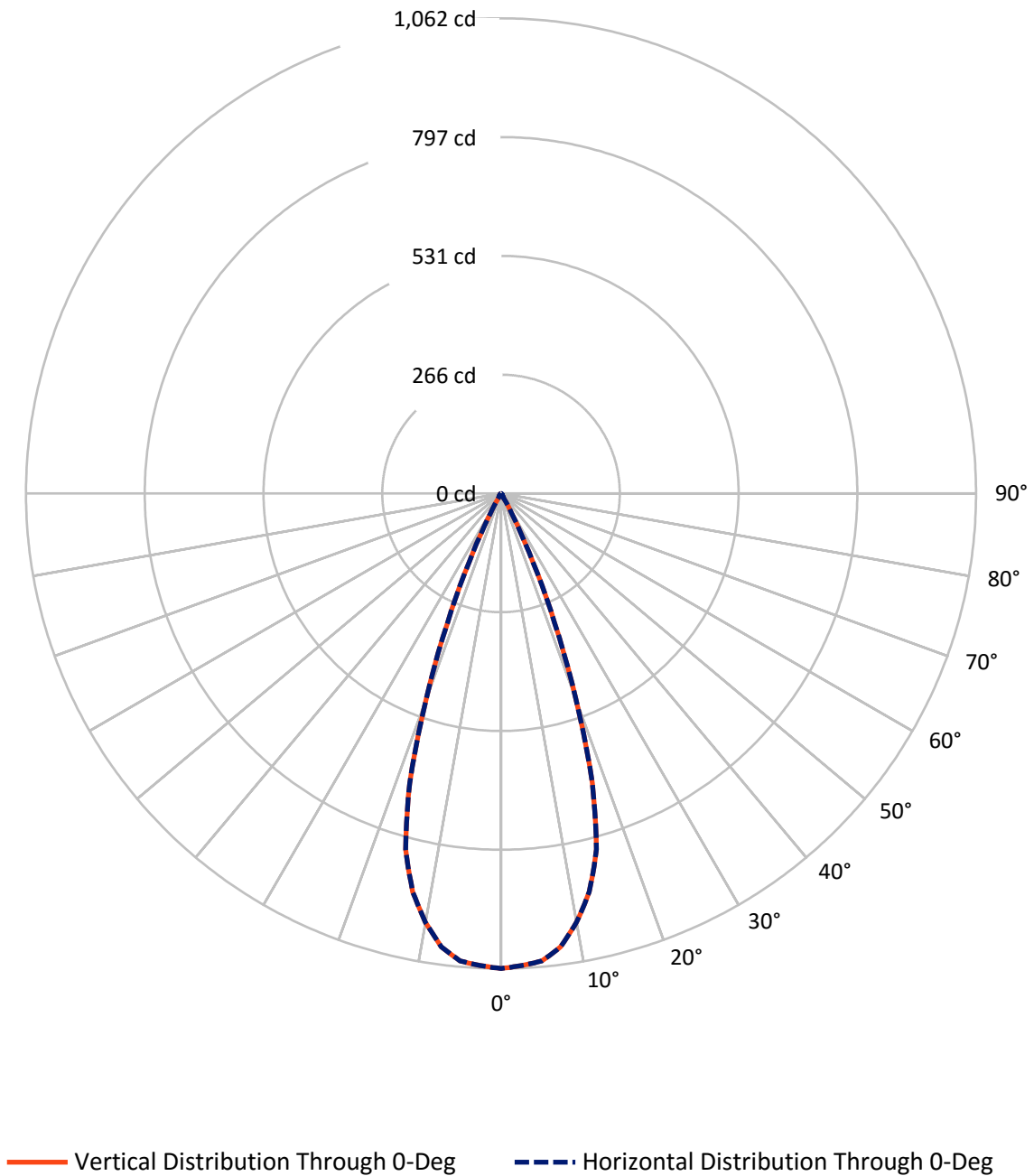
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### Lumen Table

|     |     |     |     |     |     |     |      |      |      |      |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 90  | 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 | 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 | 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 | 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 |     |     |
| 50  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1  | 0.1  | 0.1  | 0.1  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40  |     | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1  | 0.2  | 0.2  | 0.1  | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |     |     |
| 30  | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 1.7  | 5.1  | 5.1  | 1.7  | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20  |     | 0.0 | 0.0 | 0.1 | 0.1 | 1.6 | 12.0 | 22.2 | 22.2 | 12.0 | 1.6 | 0.1 | 0.1 | 0.0 | 0.0 |     |     |
| 10  | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 4.7 | 21.6 | 30.4 | 30.4 | 21.6 | 4.7 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0   |     | 0.0 | 0.0 | 0.1 | 0.2 | 4.7 | 21.6 | 30.4 | 30.4 | 21.6 | 4.7 | 0.2 | 0.1 | 0.0 | 0.0 |     |     |
| -10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 4.7 | 21.6 | 30.4 | 30.4 | 21.6 | 4.7 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| -20 |     | 0.0 | 0.0 | 0.1 | 0.1 | 1.6 | 12.0 | 22.2 | 22.2 | 12.0 | 1.6 | 0.1 | 0.1 | 0.0 | 0.0 |     |     |
| -30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 1.7 | 5.1  | 5.1  | 1.7  | 0.2  | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| -40 |     | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1  | 0.2  | 0.2  | 0.1  | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |     |     |
| -50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1  | 0.1  | 0.1  | 0.1  | 0.0 | 0.0 | 0.0 | 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 | 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 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

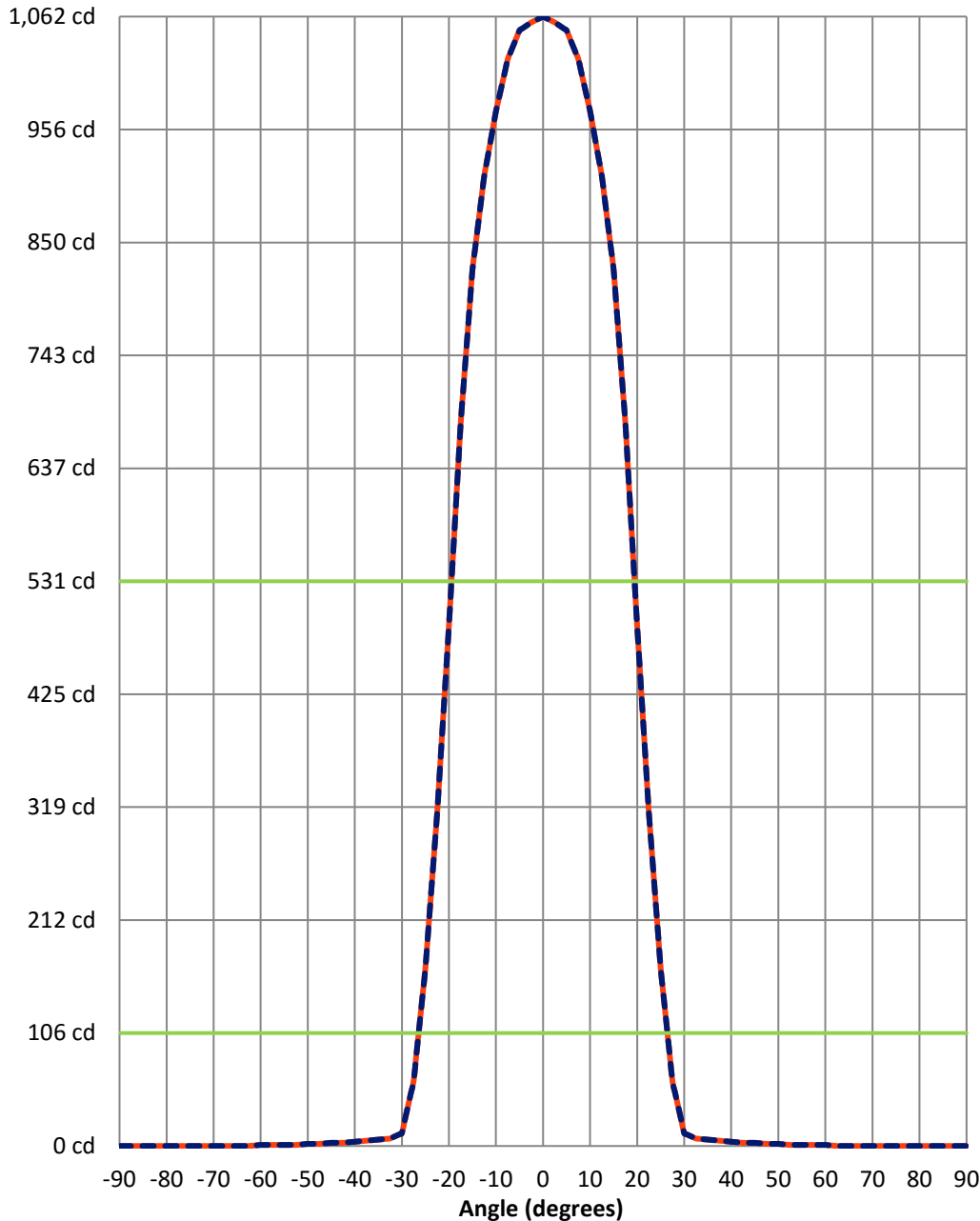
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 38.9°  
 V Angle: 38.9°  
 Lumens: 302.4  
 Efficiency: 74.8%

**Field:**  
 H Angle: 52.9°  
 V Angle: 52.9°  
 Lumens: 386.5  
 Efficiency: 95.6%

**Spill:**  
 Lumens: 17.7  
 Efficiency: 4.4%

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



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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    |
| 87.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 85°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 82.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 80°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 77.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 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    |
| 70°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 67.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 65°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 62.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 60°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 57.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 55°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 52.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 50°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 47.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 45°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 42.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 40°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 37.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 35°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 32.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 30°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 27.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 25°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 22.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 20°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 17.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 15°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 12.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 10°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 7.5°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 5°     | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 2.5°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 0°     | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -2.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -5°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -7.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -10°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -12.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -15°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -17.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -20°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |



REPORT NUMBER: P29546 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCEB-F-BK-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -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    |
| -30°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -32.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -35°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -37.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -40°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -42.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -45°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -47.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -50°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -52.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -55°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -57.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -60°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -62.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -65°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -67.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -70°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -72.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -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    |
| -80°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -82.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -85°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -87.5° | 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: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-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      |
| 87.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 85°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 82.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 80°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 77.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 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      |
| 70°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 67.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 65°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 62.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 60°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 57.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 55°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 52.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 1      |
| 50°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      |
| 47.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 1      | 1    | 1      |
| 45°    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      |
| 42.5°  | 0      | 0    | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      |
| 40°    | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      |
| 37.5°  | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 1    | 2      |
| 35°    | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      |
| 32.5°  | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      | 2    | 2      |
| 30°    | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 2      | 2    | 2      |
| 27.5°  | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 3      |
| 25°    | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      |
| 22.5°  | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      |
| 20°    | 0      | 0    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 3      |
| 17.5°  | 0      | 0    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 4      |
| 15°    | 0      | 1    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 4      |
| 12.5°  | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 3      | 3    | 4      |
| 10°    | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| 7.5°   | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| 5°     | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| 2.5°   | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| 0°     | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| -2.5°  | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| -5°    | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| -7.5°  | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| -10°   | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      | 4    | 5      |
| -12.5° | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 3      | 3    | 4      |
| -15°   | 0      | 1    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 4      |
| -17.5° | 0      | 0    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 4      |
| -20°   | 0      | 0    | 1      | 1    | 1      | 1    | 2      | 2    | 3      | 3    | 3      |



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**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      |
| -25°   | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 3    | 3      |
| -27.5° | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 3      |
| -30°   | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 2      | 2    | 2      |
| -32.5° | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      | 2    | 2      |
| -35°   | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 2    | 2      |
| -37.5° | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      | 1    | 2      |
| -40°   | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      |
| -42.5° | 0      | 0    | 0      | 0    | 0      | 0    | 1      | 1    | 1      | 1    | 1      |
| -45°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      |
| -47.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 1      | 1    | 1      |
| -50°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      |
| -52.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 1      |
| -55°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -57.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -60°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -62.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -65°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -67.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -70°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -72.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -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      |
| -80°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -82.5° | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -85°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| -87.5° | 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° | -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    |
| 87.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 85°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 82.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 80°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 77.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 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    |
| 70°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 67.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 65°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 62.5°  | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| 60°    | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    |
| 57.5°  | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| 55°    | 0    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| 52.5°  | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| 50°    | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 2      | 2    |
| 47.5°  | 1    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 2      | 2    |
| 45°    | 1    | 1      | 1    | 2      | 2    | 2      | 2    | 2      | 2    | 2      | 3    |
| 42.5°  | 1    | 1      | 2    | 2      | 2    | 2      | 3    | 3      | 3    | 3      | 3    |
| 40°    | 2    | 2      | 2    | 2      | 3    | 3      | 3    | 3      | 3    | 3      | 4    |
| 37.5°  | 2    | 2      | 2    | 3      | 3    | 3      | 3    | 4      | 4    | 4      | 5    |
| 35°    | 2    | 2      | 3    | 3      | 3    | 4      | 4    | 5      | 5    | 5      | 6    |
| 32.5°  | 2    | 3      | 3    | 3      | 4    | 4      | 5    | 5      | 6    | 6      | 6    |
| 30°    | 3    | 3      | 3    | 4      | 5    | 5      | 6    | 6      | 7    | 7      | 9    |
| 27.5°  | 3    | 3      | 4    | 5      | 5    | 6      | 7    | 8      | 10   | 12     | 22   |
| 25°    | 3    | 4      | 5    | 5      | 6    | 7      | 9    | 12     | 26   | 52     | 85   |
| 22.5°  | 4    | 4      | 5    | 6      | 7    | 9      | 15   | 40     | 84   | 139    | 194  |
| 20°    | 4    | 5      | 6    | 7      | 9    | 15     | 45   | 104    | 177  | 255    | 328  |
| 17.5°  | 5    | 5      | 6    | 8      | 12   | 40     | 104  | 192    | 288  | 388    | 483  |
| 15°    | 5    | 6      | 7    | 10     | 26   | 84     | 177  | 288    | 409  | 534    | 648  |
| 12.5°  | 5    | 6      | 7    | 12     | 52   | 139    | 255  | 388    | 534  | 672    | 775  |
| 10°    | 6    | 6      | 9    | 22     | 85   | 194    | 328  | 483    | 648  | 775    | 861  |
| 7.5°   | 6    | 7      | 10   | 36     | 117  | 242    | 394  | 570    | 729  | 843    | 913  |
| 5°     | 6    | 7      | 11   | 48     | 144  | 280    | 445  | 632    | 784  | 883    | 947  |
| 2.5°   | 6    | 7      | 12   | 58     | 161  | 305    | 478  | 668    | 814  | 905    | 966  |
| 0°     | 6    | 7      | 12   | 61     | 167  | 313    | 489  | 680    | 824  | 912    | 973  |
| -2.5°  | 6    | 7      | 12   | 58     | 161  | 305    | 478  | 668    | 814  | 905    | 966  |
| -5°    | 6    | 7      | 11   | 48     | 144  | 280    | 445  | 632    | 784  | 883    | 947  |
| -7.5°  | 6    | 7      | 10   | 36     | 117  | 242    | 394  | 570    | 729  | 843    | 913  |
| -10°   | 6    | 6      | 9    | 22     | 85   | 194    | 328  | 483    | 648  | 775    | 861  |
| -12.5° | 5    | 6      | 7    | 12     | 52   | 139    | 255  | 388    | 534  | 672    | 775  |
| -15°   | 5    | 6      | 7    | 10     | 26   | 84     | 177  | 288    | 409  | 534    | 648  |
| -17.5° | 5    | 5      | 6    | 8      | 12   | 40     | 104  | 192    | 288  | 388    | 483  |
| -20°   | 4    | 5      | 6    | 7      | 9    | 15     | 45   | 104    | 177  | 255    | 328  |



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**CANDELA DISTRIBUTION (continued):**

|        | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 4    | 4      | 5    | 6      | 7    | 9      | 15   | 40     | 84   | 139    | 194  |
| -25°   | 3    | 4      | 5    | 5      | 6    | 7      | 9    | 12     | 26   | 52     | 85   |
| -27.5° | 3    | 3      | 4    | 5      | 5    | 6      | 7    | 8      | 10   | 12     | 22   |
| -30°   | 3    | 3      | 3    | 4      | 5    | 5      | 6    | 6      | 7    | 7      | 9    |
| -32.5° | 2    | 3      | 3    | 3      | 4    | 4      | 5    | 5      | 6    | 6      | 6    |
| -35°   | 2    | 2      | 3    | 3      | 3    | 4      | 4    | 5      | 5    | 5      | 6    |
| -37.5° | 2    | 2      | 2    | 3      | 3    | 3      | 3    | 4      | 4    | 4      | 5    |
| -40°   | 2    | 2      | 2    | 2      | 3    | 3      | 3    | 3      | 3    | 3      | 4    |
| -42.5° | 1    | 1      | 2    | 2      | 2    | 2      | 3    | 3      | 3    | 3      | 3    |
| -45°   | 1    | 1      | 1    | 2      | 2    | 2      | 2    | 2      | 2    | 2      | 3    |
| -47.5° | 1    | 1      | 1    | 1      | 1    | 1      | 2    | 2      | 2    | 2      | 2    |
| -50°   | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 2      | 2    |
| -52.5° | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| -55°   | 0    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| -57.5° | 0    | 0      | 0    | 0      | 1    | 1      | 1    | 1      | 1    | 1      | 1    |
| -60°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 1    | 1      | 1    |
| -62.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -65°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -67.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -70°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -72.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -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    |
| -80°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -82.5° | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -85°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |
| -87.5° | 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: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-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     |
| 87.5°  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 85°    | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 82.5°  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 80°    | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 77.5°  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 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     |
| 70°    | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 67.5°  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 65°    | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 62.5°  | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 0   | 0     | 0   | 0     |
| 60°    | 1     | 1    | 1     | 1    | 1    | 1    | 1    | 1   | 1     | 1   | 0     |
| 57.5°  | 1     | 1    | 1     | 1    | 1    | 1    | 1    | 1   | 1     | 1   | 1     |
| 55°    | 1     | 1    | 1     | 1    | 1    | 1    | 1    | 1   | 1     | 1   | 1     |
| 52.5°  | 1     | 1    | 1     | 1    | 1    | 1    | 1    | 1   | 1     | 1   | 1     |
| 50°    | 2     | 2    | 2     | 2    | 2    | 2    | 2    | 2   | 2     | 1   | 1     |
| 47.5°  | 2     | 2    | 2     | 2    | 2    | 2    | 2    | 2   | 2     | 2   | 2     |
| 45°    | 3     | 3    | 3     | 3    | 3    | 3    | 3    | 3   | 2     | 2   | 2     |
| 42.5°  | 3     | 3    | 3     | 3    | 3    | 3    | 3    | 3   | 3     | 3   | 3     |
| 40°    | 4     | 4    | 4     | 4    | 4    | 4    | 4    | 4   | 3     | 3   | 3     |
| 37.5°  | 5     | 5    | 5     | 5    | 5    | 5    | 5    | 5   | 4     | 4   | 4     |
| 35°    | 6     | 6    | 6     | 6    | 6    | 6    | 6    | 6   | 5     | 5   | 5     |
| 32.5°  | 7     | 7    | 7     | 7    | 7    | 7    | 7    | 6   | 6     | 6   | 5     |
| 30°    | 10    | 11   | 12    | 12   | 12   | 11   | 10   | 9   | 7     | 7   | 6     |
| 27.5°  | 36    | 48   | 58    | 61   | 58   | 48   | 36   | 22  | 12    | 10  | 8     |
| 25°    | 117   | 144  | 161   | 167  | 161  | 144  | 117  | 85  | 52    | 26  | 12    |
| 22.5°  | 242   | 280  | 305   | 313  | 305  | 280  | 242  | 194 | 139   | 84  | 40    |
| 20°    | 394   | 445  | 478   | 489  | 478  | 445  | 394  | 328 | 255   | 177 | 104   |
| 17.5°  | 570   | 632  | 668   | 680  | 668  | 632  | 570  | 483 | 388   | 288 | 192   |
| 15°    | 729   | 784  | 814   | 824  | 814  | 784  | 729  | 648 | 534   | 409 | 288   |
| 12.5°  | 843   | 883  | 905   | 912  | 905  | 883  | 843  | 775 | 672   | 534 | 388   |
| 10°    | 913   | 947  | 966   | 973  | 966  | 947  | 913  | 861 | 775   | 648 | 483   |
| 7.5°   | 960   | 994  | 1016  | 1022 | 1016 | 994  | 960  | 913 | 843   | 729 | 570   |
| 5°     | 994   | 1029 | 1045  | 1049 | 1045 | 1029 | 994  | 947 | 883   | 784 | 632   |
| 2.5°   | 1016  | 1045 | 1054  | 1057 | 1054 | 1045 | 1016 | 966 | 905   | 814 | 668   |
| 0°     | 1022  | 1049 | 1057  | 1062 | 1057 | 1049 | 1022 | 973 | 912   | 824 | 680   |
| -2.5°  | 1016  | 1045 | 1054  | 1057 | 1054 | 1045 | 1016 | 966 | 905   | 814 | 668   |
| -5°    | 994   | 1029 | 1045  | 1049 | 1045 | 1029 | 994  | 947 | 883   | 784 | 632   |
| -7.5°  | 960   | 994  | 1016  | 1022 | 1016 | 994  | 960  | 913 | 843   | 729 | 570   |
| -10°   | 913   | 947  | 966   | 973  | 966  | 947  | 913  | 861 | 775   | 648 | 483   |
| -12.5° | 843   | 883  | 905   | 912  | 905  | 883  | 843  | 775 | 672   | 534 | 388   |
| -15°   | 729   | 784  | 814   | 824  | 814  | 784  | 729  | 648 | 534   | 409 | 288   |
| -17.5° | 570   | 632  | 668   | 680  | 668  | 632  | 570  | 483 | 388   | 288 | 192   |
| -20°   | 394   | 445  | 478   | 489  | 478  | 445  | 394  | 328 | 255   | 177 | 104   |



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**CANDELA DISTRIBUTION (continued):**

|        | -7.5° | -5° | -2.5° | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|
| -22.5° | 242   | 280 | 305   | 313 | 305  | 280 | 242  | 194 | 139   | 84  | 40    |
| -25°   | 117   | 144 | 161   | 167 | 161  | 144 | 117  | 85  | 52    | 26  | 12    |
| -27.5° | 36    | 48  | 58    | 61  | 58   | 48  | 36   | 22  | 12    | 10  | 8     |
| -30°   | 10    | 11  | 12    | 12  | 12   | 11  | 10   | 9   | 7     | 7   | 6     |
| -32.5° | 7     | 7   | 7     | 7   | 7    | 7   | 7    | 6   | 6     | 6   | 5     |
| -35°   | 6     | 6   | 6     | 6   | 6    | 6   | 6    | 6   | 5     | 5   | 5     |
| -37.5° | 5     | 5   | 5     | 5   | 5    | 5   | 5    | 5   | 4     | 4   | 4     |
| -40°   | 4     | 4   | 4     | 4   | 4    | 4   | 4    | 4   | 3     | 3   | 3     |
| -42.5° | 3     | 3   | 3     | 3   | 3    | 3   | 3    | 3   | 3     | 3   | 3     |
| -45°   | 3     | 3   | 3     | 3   | 3    | 3   | 3    | 3   | 2     | 2   | 2     |
| -47.5° | 2     | 2   | 2     | 2   | 2    | 2   | 2    | 2   | 2     | 2   | 2     |
| -50°   | 2     | 2   | 2     | 2   | 2    | 2   | 2    | 2   | 2     | 1   | 1     |
| -52.5° | 1     | 1   | 1     | 1   | 1    | 1   | 1    | 1   | 1     | 1   | 1     |
| -55°   | 1     | 1   | 1     | 1   | 1    | 1   | 1    | 1   | 1     | 1   | 1     |
| -57.5° | 1     | 1   | 1     | 1   | 1    | 1   | 1    | 1   | 1     | 1   | 1     |
| -60°   | 1     | 1   | 1     | 1   | 1    | 1   | 1    | 1   | 1     | 1   | 0     |
| -62.5° | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -65°   | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -67.5° | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -70°   | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -72.5° | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -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     |
| -80°   | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -82.5° | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -85°   | 0     | 0   | 0     | 0   | 0    | 0   | 0    | 0   | 0     | 0   | 0     |
| -87.5° | 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° | 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   |
| 87.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 85°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 82.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 80°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 77.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 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   |
| 70°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 67.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 65°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 62.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 60°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 57.5°  | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 55°    | 1   | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   |
| 52.5°  | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   |
| 50°    | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 0     | 0   |
| 47.5°  | 2   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 0   |
| 45°    | 2   | 2     | 2   | 2     | 1   | 1     | 1   | 1     | 1   | 1     | 1   |
| 42.5°  | 3   | 2     | 2   | 2     | 2   | 1     | 1   | 1     | 1   | 1     | 1   |
| 40°    | 3   | 3     | 3   | 2     | 2   | 2     | 2   | 1     | 1   | 1     | 1   |
| 37.5°  | 3   | 3     | 3   | 3     | 2   | 2     | 2   | 2     | 1   | 1     | 1   |
| 35°    | 4   | 4     | 3   | 3     | 3   | 2     | 2   | 2     | 2   | 1     | 1   |
| 32.5°  | 5   | 4     | 4   | 3     | 3   | 3     | 2   | 2     | 2   | 1     | 1   |
| 30°    | 6   | 5     | 5   | 4     | 3   | 3     | 3   | 2     | 2   | 2     | 1   |
| 27.5°  | 7   | 6     | 5   | 5     | 4   | 3     | 3   | 3     | 2   | 2     | 2   |
| 25°    | 9   | 7     | 6   | 5     | 5   | 4     | 3   | 3     | 3   | 2     | 2   |
| 22.5°  | 15  | 9     | 7   | 6     | 5   | 4     | 4   | 3     | 3   | 2     | 2   |
| 20°    | 45  | 15    | 9   | 7     | 6   | 5     | 4   | 3     | 3   | 3     | 2   |
| 17.5°  | 104 | 40    | 12  | 8     | 6   | 5     | 5   | 4     | 3   | 3     | 2   |
| 15°    | 177 | 84    | 26  | 10    | 7   | 6     | 5   | 4     | 3   | 3     | 2   |
| 12.5°  | 255 | 139   | 52  | 12    | 7   | 6     | 5   | 4     | 3   | 3     | 2   |
| 10°    | 328 | 194   | 85  | 22    | 9   | 6     | 6   | 5     | 4   | 3     | 3   |
| 7.5°   | 394 | 242   | 117 | 36    | 10  | 7     | 6   | 5     | 4   | 3     | 3   |
| 5°     | 445 | 280   | 144 | 48    | 11  | 7     | 6   | 5     | 4   | 3     | 3   |
| 2.5°   | 478 | 305   | 161 | 58    | 12  | 7     | 6   | 5     | 4   | 3     | 3   |
| 0°     | 489 | 313   | 167 | 61    | 12  | 7     | 6   | 5     | 4   | 3     | 3   |
| -2.5°  | 478 | 305   | 161 | 58    | 12  | 7     | 6   | 5     | 4   | 3     | 3   |
| -5°    | 445 | 280   | 144 | 48    | 11  | 7     | 6   | 5     | 4   | 3     | 3   |
| -7.5°  | 394 | 242   | 117 | 36    | 10  | 7     | 6   | 5     | 4   | 3     | 3   |
| -10°   | 328 | 194   | 85  | 22    | 9   | 6     | 6   | 5     | 4   | 3     | 3   |
| -12.5° | 255 | 139   | 52  | 12    | 7   | 6     | 5   | 4     | 3   | 3     | 2   |
| -15°   | 177 | 84    | 26  | 10    | 7   | 6     | 5   | 4     | 3   | 3     | 2   |
| -17.5° | 104 | 40    | 12  | 8     | 6   | 5     | 5   | 4     | 3   | 3     | 2   |
| -20°   | 45  | 15    | 9   | 7     | 6   | 5     | 4   | 3     | 3   | 3     | 2   |



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**CANDELA DISTRIBUTION (continued):**

|        | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 15  | 9     | 7   | 6     | 5   | 4     | 4   | 3     | 3   | 2     | 2   |
| -25°   | 9   | 7     | 6   | 5     | 5   | 4     | 3   | 3     | 3   | 2     | 2   |
| -27.5° | 7   | 6     | 5   | 5     | 4   | 3     | 3   | 3     | 2   | 2     | 2   |
| -30°   | 6   | 5     | 5   | 4     | 3   | 3     | 3   | 2     | 2   | 2     | 1   |
| -32.5° | 5   | 4     | 4   | 3     | 3   | 3     | 2   | 2     | 2   | 1     | 1   |
| -35°   | 4   | 4     | 3   | 3     | 3   | 2     | 2   | 2     | 2   | 1     | 1   |
| -37.5° | 3   | 3     | 3   | 3     | 2   | 2     | 2   | 2     | 1   | 1     | 1   |
| -40°   | 3   | 3     | 3   | 2     | 2   | 2     | 2   | 1     | 1   | 1     | 1   |
| -42.5° | 3   | 2     | 2   | 2     | 2   | 1     | 1   | 1     | 1   | 1     | 1   |
| -45°   | 2   | 2     | 2   | 2     | 1   | 1     | 1   | 1     | 1   | 1     | 1   |
| -47.5° | 2   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 0   |
| -50°   | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 0     | 0   |
| -52.5° | 1   | 1     | 1   | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   |
| -55°   | 1   | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   |
| -57.5° | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -60°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -62.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -65°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -67.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -70°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -72.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -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   |
| -80°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -82.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -85°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -87.5° | 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° | 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     |
| 87.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 85°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 82.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 80°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 77.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 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     |
| 70°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 67.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 65°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 62.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 60°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 57.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 55°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 52.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 50°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 47.5°  | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 45°    | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 42.5°  | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 40°    | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 37.5°  | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 35°    | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 32.5°  | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 30°    | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 27.5°  | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| 25°    | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| 22.5°  | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| 20°    | 2     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| 17.5°  | 2     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| 15°    | 2     | 1   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 12.5°  | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 10°    | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 7.5°   | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 5°     | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 2.5°   | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 0°     | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -2.5°  | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -5°    | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -7.5°  | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -10°   | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -12.5° | 2     | 2   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -15°   | 2     | 1   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| -17.5° | 2     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| -20°   | 2     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| -22.5° | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| -25°   | 1     | 1   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     |
| -27.5° | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -30°   | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -32.5° | 1     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -35°   | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -37.5° | 1     | 1   | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -40°   | 1     | 1   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -42.5° | 1     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -45°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -47.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -50°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -52.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -55°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -57.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -60°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -62.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -65°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -67.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -70°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -72.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -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     |
| -80°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -82.5° | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -85°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |
| -87.5° | 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):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| 90°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 87.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 85°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 82.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 80°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 77.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 75°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 72.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 70°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 67.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 65°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 62.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 60°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 57.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 55°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 52.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 50°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 47.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 45°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 42.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 40°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 37.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 35°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 32.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 30°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 27.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 25°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 22.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 20°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 17.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 15°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 12.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 10°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 7.5°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 5°     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 2.5°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| 0°     | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -2.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -5°    | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -7.5°  | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -10°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -12.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -15°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -17.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -20°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |



REPORT NUMBER: P29546 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LEDCB-F-BK-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -25°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -27.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -30°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -32.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -35°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -37.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -40°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -42.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -45°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -47.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -50°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -52.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -55°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -57.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -60°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -62.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -65°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -67.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -70°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -72.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -75°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -77.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -80°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -82.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -85°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -87.5° | 0   | 0     | 0   | 0     | 0   | 0     | 0   |
| -90°   | 0   | 0     | 0   | 0     | 0   | 0     | 0   |

(END OF REPORT)