

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: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT
OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

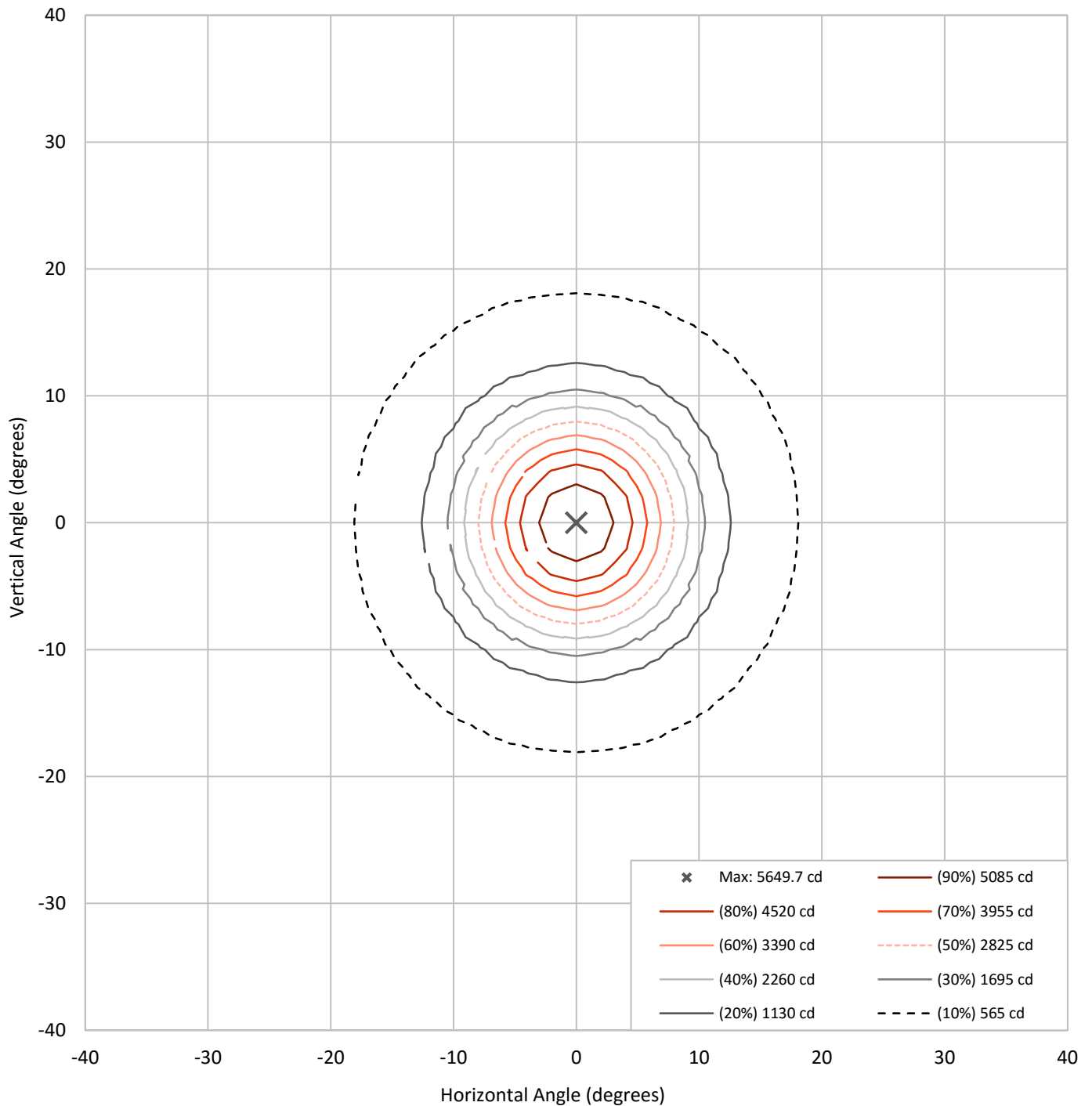
Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 744 lumens | Max Intensity: | 5649.7 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 75.9 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.25' x H: 0') | | |
| Beam Angle (50%): | 16°H x 16°V | Field Angle (10%): | 36.1°H x 36.1°V |
| Beam Lumens: | 242.9 lumens | Field Lumens: | 523.9 lumens |
| Beam Efficiency: | 32.7% | Field Efficiency: | 70.4% |
| Input Watts (W): | 9.8 | | |
| Input Voltage (V): | 120 | | |
| Input Current (Ain): | NR | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | NR | | |
| Total Harmonic Distortion (THDi): | NR | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | NR | | |
| Operation Time: | NR | | |
| Ambient Temperature (°C): | NR | | |
| Test Distance: | 25 FT | | |

REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

Iso-Candela Plot





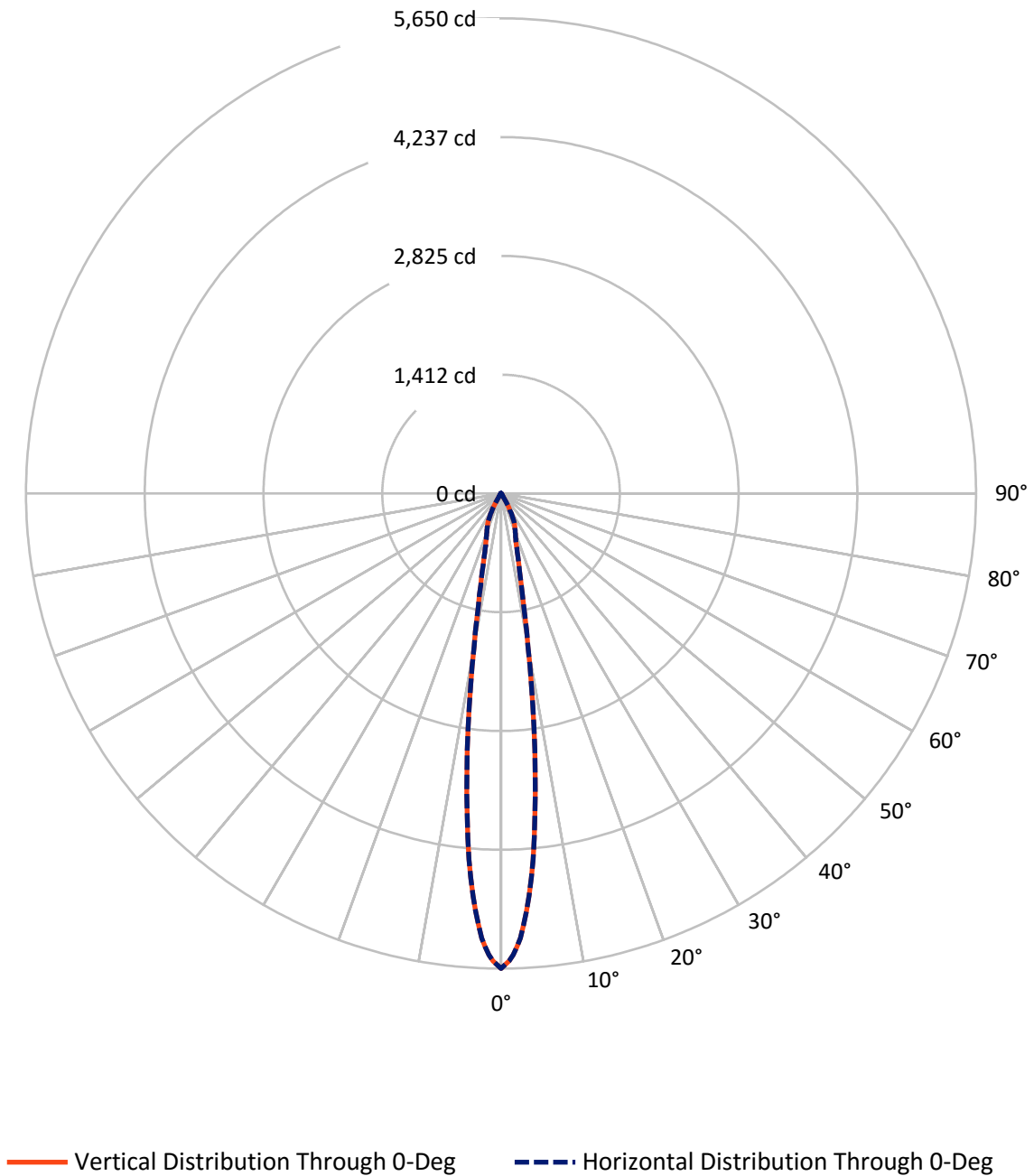
REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|----|----|
| 90 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 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 | 0.1 | 0.1 | 0.1 | 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 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| 60 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| 40 | | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.5 | 1.0 | 1.0 | 0.5 | 0.2 | 0.1 | 0.1 | 0.0 | | | 0.0 | | |
| 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 1.0 | 5.4 | 9.5 | 9.5 | 5.4 | 1.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | | | |
| 20 | | 0.0 | 0.0 | 0.1 | 0.4 | 5.2 | 13.8 | 23.3 | 23.3 | 13.8 | 5.2 | 0.4 | 0.1 | 0.0 | 0.0 | | | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 8.7 | 22.7 | 91.5 | 91.5 | 22.7 | 8.7 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 | | | |
| 0 | | 0.0 | 0.0 | 0.1 | 0.8 | 8.7 | 22.7 | 91.5 | 91.5 | 22.7 | 8.7 | 0.8 | 0.1 | 0.0 | 0.0 | | | | |
| -10 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 5.2 | 13.8 | 23.3 | 23.3 | 13.8 | 5.2 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | | | |
| -20 | | 0.0 | 0.0 | 0.1 | 0.2 | 1.0 | 5.4 | 9.5 | 9.5 | 5.4 | 1.0 | 0.2 | 0.1 | 0.0 | 0.0 | | | | |
| -30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.5 | 1.0 | 1.0 | 0.5 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | | | |
| -40 | | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | | | | |
| -50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| -60 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 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 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| -80 | | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| -90 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

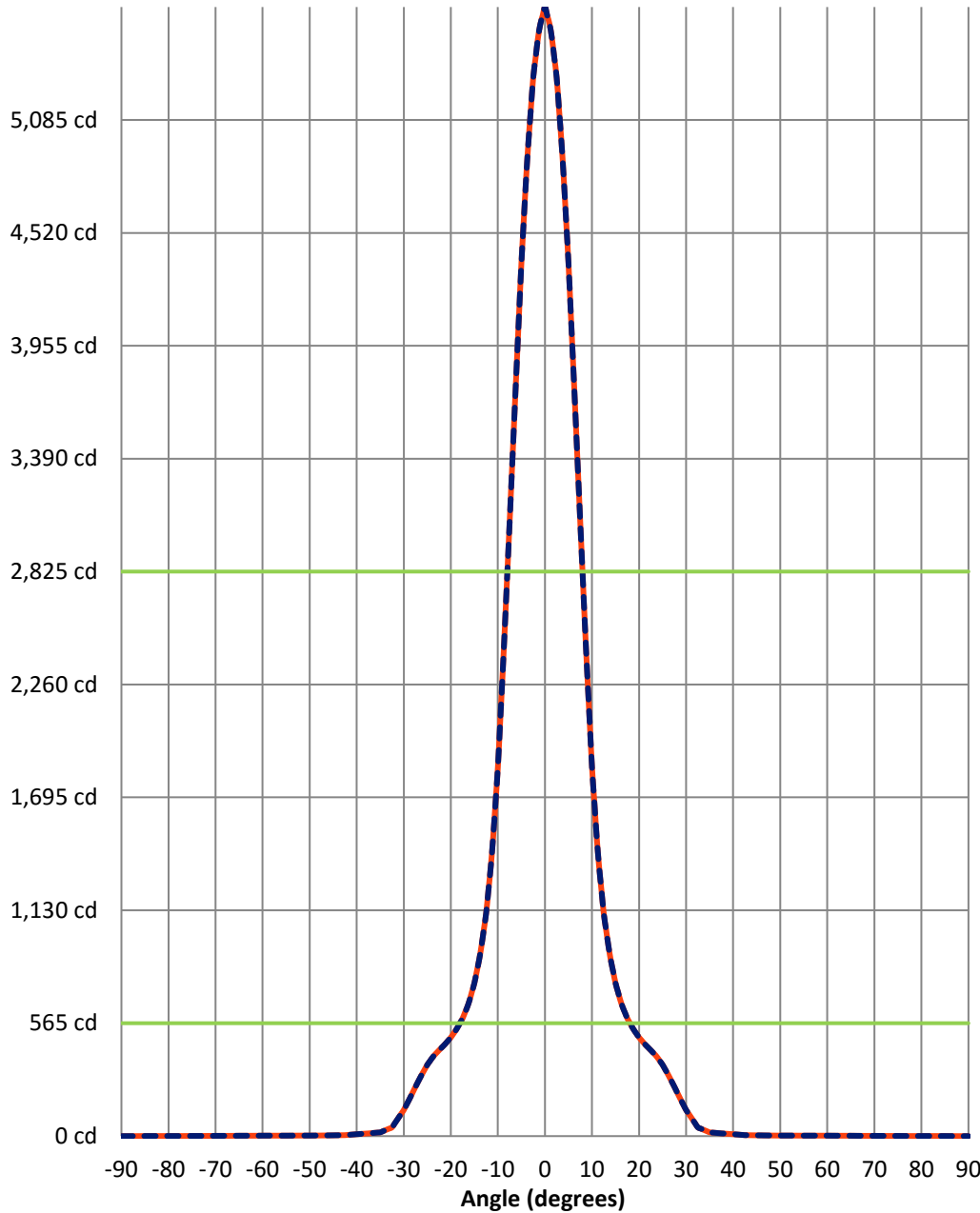
REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 16°
 V Angle: 16°
 Lumens: 242.9
 Efficiency: 32.7%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 523.9
 Efficiency: 70.4%

Spill:
 Lumens: 220.1
 Efficiency: 29.6%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -1.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -2.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -3.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -6.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -7.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -8.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -10° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -11.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -12.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -13.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -15° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -16.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -17.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -18.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -20° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -21.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -90° | -88.75° | -87.5° | -86.25° | -85° | -83.75° | -82.5° | -81.25° | -80° | -78.75° | -77.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -22.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -23.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -26.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -27.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -28.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -30° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -31.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -32.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -35° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -41.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -43.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -46.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -48.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -51.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -53.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -56.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -58.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -61.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -63.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -66.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -68.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -71.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -73.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| 33.75° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 32.5° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 31.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 30° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 28.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 27.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 23.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 22.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 21.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 20° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 18.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 17.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 16.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 15° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 13.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 12.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 11.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 10° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 8.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 7.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 6.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 3.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 2.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 1.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 0° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -1.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -2.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -3.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -6.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -7.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -8.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -10° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -11.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -12.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -13.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -15° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -16.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -17.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -18.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -20° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -21.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| 33.75° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 32.5° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 31.25° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 30° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 28.75° | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 27.5° | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 26.25° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 25° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 |
| 23.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 |
| 22.5° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 6 |
| 21.25° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 |
| 20° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 6 | 8 |
| 18.75° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 |
| 17.5° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 |
| 16.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 | 11 |
| 15° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 10 | 11 |
| 13.75° | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 | 12 |
| 12.5° | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 |
| 11.25° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 | 11 | 13 |
| 10° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 8 | 10 | 12 | 14 |
| 8.75° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |
| 7.5° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 11 | 13 | 15 |
| 6.25° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 9 | 11 | 13 | 15 |
| 5° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| 3.75° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| 2.5° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| 1.25° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 10 | 12 | 14 | 16 |
| 0° | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 10 | 12 | 14 | 16 |
| -1.25° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 10 | 12 | 14 | 16 |
| -2.5° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| -3.75° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| -5° | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 | 16 |
| -6.25° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 9 | 11 | 13 | 15 |
| -7.5° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 11 | 13 | 15 |
| -8.75° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 | 12 | 14 |
| -10° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 8 | 10 | 12 | 14 |
| -11.25° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 | 11 | 13 |
| -12.5° | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 7 | 9 | 11 | 13 |
| -13.75° | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 | 12 |
| -15° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 10 | 11 |
| -16.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 | 11 |
| -17.5° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 10 |
| -18.75° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 | 9 |
| -20° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 6 | 8 |
| -21.25° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 7 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -48.75° | -47.5° | -46.25° | -45° | -43.75° | -42.5° | -41.25° | -40° | -38.75° | -37.5° | -36.25° |
|---------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|--------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 62.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 48.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 46.25° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 45° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 43.75° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 42.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 41.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 40° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 38.75° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 37.5° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 |
| 36.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 |
| 35° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 6 | 7 | 8 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| 33.75° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 9 | 10 |
| 32.5° | 3 | 4 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 10 | 11 |
| 31.25° | 4 | 4 | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 12 | 13 |
| 30° | 4 | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 12 | 13 | 15 |
| 28.75° | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 15 | 17 |
| 27.5° | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 19 |
| 26.25° | 5 | 6 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 21 | 28 |
| 25° | 6 | 7 | 9 | 11 | 12 | 14 | 16 | 17 | 21 | 29 | 37 |
| 23.75° | 7 | 9 | 10 | 12 | 13 | 15 | 17 | 21 | 29 | 38 | 52 |
| 22.5° | 8 | 10 | 11 | 13 | 15 | 17 | 19 | 28 | 37 | 52 | 82 |
| 21.25° | 9 | 11 | 13 | 14 | 16 | 18 | 26 | 36 | 48 | 80 | 111 |
| 20° | 10 | 12 | 13 | 16 | 18 | 23 | 33 | 43 | 75 | 107 | 142 |
| 18.75° | 11 | 13 | 15 | 17 | 20 | 30 | 40 | 65 | 100 | 134 | 177 |
| 17.5° | 12 | 14 | 16 | 18 | 26 | 36 | 53 | 89 | 124 | 166 | 212 |
| 16.25° | 13 | 15 | 17 | 20 | 31 | 42 | 74 | 111 | 152 | 199 | 247 |
| 15° | 13 | 16 | 18 | 25 | 36 | 56 | 94 | 132 | 180 | 230 | 279 |
| 13.75° | 14 | 16 | 19 | 30 | 41 | 74 | 113 | 157 | 208 | 260 | 308 |
| 12.5° | 15 | 17 | 23 | 34 | 51 | 91 | 130 | 181 | 234 | 286 | 333 |
| 11.25° | 16 | 18 | 27 | 38 | 66 | 106 | 151 | 204 | 259 | 309 | 356 |
| 10° | 16 | 19 | 30 | 42 | 79 | 120 | 170 | 225 | 280 | 330 | 374 |
| 8.75° | 17 | 21 | 33 | 49 | 91 | 133 | 187 | 244 | 298 | 348 | 390 |
| 7.5° | 17 | 24 | 36 | 59 | 101 | 147 | 203 | 260 | 314 | 362 | 401 |
| 6.25° | 18 | 26 | 38 | 68 | 110 | 159 | 216 | 274 | 327 | 374 | 410 |
| 5° | 18 | 28 | 40 | 75 | 118 | 169 | 227 | 285 | 338 | 383 | 418 |
| 3.75° | 18 | 29 | 42 | 80 | 123 | 177 | 236 | 294 | 346 | 391 | 423 |
| 2.5° | 19 | 30 | 43 | 84 | 127 | 183 | 242 | 300 | 352 | 395 | 427 |
| 1.25° | 19 | 31 | 43 | 86 | 130 | 186 | 246 | 303 | 356 | 398 | 429 |
| 0° | 19 | 31 | 43 | 87 | 131 | 187 | 247 | 305 | 357 | 398 | 430 |
| -1.25° | 19 | 31 | 43 | 86 | 130 | 186 | 246 | 303 | 356 | 398 | 429 |
| -2.5° | 19 | 30 | 43 | 84 | 127 | 183 | 242 | 300 | 352 | 395 | 427 |
| -3.75° | 18 | 29 | 42 | 80 | 123 | 177 | 236 | 294 | 346 | 391 | 423 |
| -5° | 18 | 28 | 40 | 75 | 118 | 169 | 227 | 285 | 338 | 383 | 418 |
| -6.25° | 18 | 26 | 38 | 68 | 110 | 159 | 216 | 274 | 327 | 374 | 410 |
| -7.5° | 17 | 24 | 36 | 59 | 101 | 147 | 203 | 260 | 314 | 362 | 401 |
| -8.75° | 17 | 21 | 33 | 49 | 91 | 133 | 187 | 244 | 298 | 348 | 390 |
| -10° | 16 | 19 | 30 | 42 | 79 | 120 | 170 | 225 | 280 | 330 | 374 |
| -11.25° | 16 | 18 | 27 | 38 | 66 | 106 | 151 | 204 | 259 | 309 | 356 |
| -12.5° | 15 | 17 | 23 | 34 | 51 | 91 | 130 | 181 | 234 | 286 | 333 |
| -13.75° | 14 | 16 | 19 | 30 | 41 | 74 | 113 | 157 | 208 | 260 | 308 |
| -15° | 13 | 16 | 18 | 25 | 36 | 56 | 94 | 132 | 180 | 230 | 279 |
| -16.25° | 13 | 15 | 17 | 20 | 31 | 42 | 74 | 111 | 152 | 199 | 247 |
| -17.5° | 12 | 14 | 16 | 18 | 26 | 36 | 53 | 89 | 124 | 166 | 212 |
| -18.75° | 11 | 13 | 15 | 17 | 20 | 30 | 40 | 65 | 100 | 134 | 177 |
| -20° | 10 | 12 | 13 | 16 | 18 | 23 | 33 | 43 | 75 | 107 | 142 |
| -21.25° | 9 | 11 | 13 | 14 | 16 | 18 | 26 | 36 | 48 | 80 | 111 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -22.5° | 8 | 10 | 11 | 13 | 15 | 17 | 19 | 28 | 37 | 52 | 82 |
| -23.75° | 7 | 9 | 10 | 12 | 13 | 15 | 17 | 21 | 29 | 38 | 52 |
| -25° | 6 | 7 | 9 | 11 | 12 | 14 | 16 | 17 | 21 | 29 | 37 |
| -26.25° | 5 | 6 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 21 | 28 |
| -27.5° | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 19 |
| -28.75° | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 15 | 17 |
| -30° | 4 | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 12 | 13 | 15 |
| -31.25° | 4 | 4 | 4 | 5 | 5 | 7 | 8 | 10 | 11 | 12 | 13 |
| -32.5° | 3 | 4 | 4 | 4 | 5 | 5 | 7 | 8 | 9 | 10 | 11 |
| -33.75° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 9 | 10 |
| -35° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 6 | 7 | 8 |
| -36.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 |
| -37.5° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 |
| -38.75° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| -40° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| -41.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| -42.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -43.75° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -45° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -46.25° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| -47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| -48.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| -50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -35° | -33.75° | -32.5° | -31.25° | -30° | -28.75° | -27.5° | -26.25° | -25° | -23.75° | -22.5° |
|---------|------|---------|--------|---------|------|---------|--------|---------|------|---------|--------|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 51.25° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 50° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 43.75° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 42.5° | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 41.25° | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| 40° | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 8 |
| 38.75° | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 10 | 10 |
| 37.5° | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 11 | 12 | 12 |
| 36.25° | 7 | 8 | 9 | 10 | 11 | 11 | 12 | 13 | 13 | 14 | 14 |
| 35° | 9 | 10 | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 16 | 17 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| 33.75° | 11 | 12 | 13 | 14 | 15 | 16 | 16 | 17 | 18 | 19 | 21 |
| 32.5° | 13 | 13 | 15 | 16 | 17 | 18 | 19 | 23 | 27 | 30 | 33 |
| 31.25° | 14 | 16 | 17 | 18 | 20 | 25 | 30 | 34 | 38 | 42 | 49 |
| 30° | 16 | 18 | 20 | 26 | 31 | 36 | 41 | 51 | 66 | 79 | 91 |
| 28.75° | 18 | 23 | 30 | 36 | 42 | 56 | 74 | 91 | 106 | 120 | 133 |
| 27.5° | 26 | 33 | 40 | 53 | 74 | 94 | 113 | 130 | 151 | 170 | 187 |
| 26.25° | 36 | 43 | 65 | 89 | 111 | 132 | 157 | 181 | 204 | 225 | 244 |
| 25° | 48 | 75 | 100 | 124 | 152 | 180 | 208 | 234 | 259 | 280 | 298 |
| 23.75° | 80 | 107 | 134 | 166 | 199 | 230 | 260 | 286 | 309 | 330 | 348 |
| 22.5° | 111 | 142 | 177 | 212 | 247 | 279 | 308 | 333 | 356 | 374 | 390 |
| 21.25° | 144 | 182 | 221 | 258 | 293 | 323 | 351 | 374 | 394 | 408 | 420 |
| 20° | 182 | 224 | 264 | 301 | 334 | 363 | 388 | 406 | 422 | 435 | 447 |
| 18.75° | 221 | 264 | 303 | 339 | 370 | 396 | 415 | 432 | 447 | 461 | 476 |
| 17.5° | 258 | 301 | 339 | 372 | 400 | 421 | 438 | 456 | 474 | 491 | 510 |
| 16.25° | 293 | 334 | 370 | 400 | 422 | 442 | 461 | 482 | 504 | 526 | 550 |
| 15° | 323 | 363 | 396 | 421 | 442 | 463 | 487 | 512 | 539 | 568 | 598 |
| 13.75° | 351 | 388 | 415 | 438 | 461 | 487 | 515 | 546 | 580 | 616 | 661 |
| 12.5° | 374 | 406 | 432 | 456 | 482 | 512 | 546 | 584 | 628 | 681 | 746 |
| 11.25° | 394 | 422 | 447 | 474 | 504 | 539 | 580 | 628 | 689 | 764 | 849 |
| 10° | 408 | 435 | 461 | 491 | 526 | 568 | 616 | 681 | 764 | 861 | 980 |
| 8.75° | 420 | 447 | 476 | 510 | 550 | 598 | 661 | 746 | 849 | 980 | 1143 |
| 7.5° | 430 | 458 | 490 | 526 | 573 | 630 | 710 | 814 | 946 | 1118 | 1342 |
| 6.25° | 439 | 468 | 502 | 544 | 595 | 662 | 758 | 879 | 1046 | 1271 | 1573 |
| 5° | 446 | 477 | 514 | 559 | 614 | 695 | 807 | 952 | 1153 | 1432 | 1820 |
| 3.75° | 452 | 484 | 522 | 572 | 634 | 725 | 847 | 1011 | 1251 | 1597 | 2065 |
| 2.5° | 456 | 489 | 530 | 581 | 649 | 747 | 877 | 1067 | 1338 | 1733 | 2253 |
| 1.25° | 459 | 493 | 534 | 587 | 658 | 761 | 901 | 1102 | 1392 | 1817 | 2380 |
| 0° | 459 | 494 | 536 | 589 | 661 | 765 | 909 | 1114 | 1410 | 1845 | 2426 |
| -1.25° | 459 | 493 | 534 | 587 | 658 | 761 | 901 | 1102 | 1392 | 1817 | 2380 |
| -2.5° | 456 | 489 | 530 | 581 | 649 | 747 | 877 | 1067 | 1338 | 1733 | 2253 |
| -3.75° | 452 | 484 | 522 | 572 | 634 | 725 | 847 | 1011 | 1251 | 1597 | 2065 |
| -5° | 446 | 477 | 514 | 559 | 614 | 695 | 807 | 952 | 1153 | 1432 | 1820 |
| -6.25° | 439 | 468 | 502 | 544 | 595 | 662 | 758 | 879 | 1046 | 1271 | 1573 |
| -7.5° | 430 | 458 | 490 | 526 | 573 | 630 | 710 | 814 | 946 | 1118 | 1342 |
| -8.75° | 420 | 447 | 476 | 510 | 550 | 598 | 661 | 746 | 849 | 980 | 1143 |
| -10° | 408 | 435 | 461 | 491 | 526 | 568 | 616 | 681 | 764 | 861 | 980 |
| -11.25° | 394 | 422 | 447 | 474 | 504 | 539 | 580 | 628 | 689 | 764 | 849 |
| -12.5° | 374 | 406 | 432 | 456 | 482 | 512 | 546 | 584 | 628 | 681 | 746 |
| -13.75° | 351 | 388 | 415 | 438 | 461 | 487 | 515 | 546 | 580 | 616 | 661 |
| -15° | 323 | 363 | 396 | 421 | 442 | 463 | 487 | 512 | 539 | 568 | 598 |
| -16.25° | 293 | 334 | 370 | 400 | 422 | 442 | 461 | 482 | 504 | 526 | 550 |
| -17.5° | 258 | 301 | 339 | 372 | 400 | 421 | 438 | 456 | 474 | 491 | 510 |
| -18.75° | 221 | 264 | 303 | 339 | 370 | 396 | 415 | 432 | 447 | 461 | 476 |
| -20° | 182 | 224 | 264 | 301 | 334 | 363 | 388 | 406 | 422 | 435 | 447 |
| -21.25° | 144 | 182 | 221 | 258 | 293 | 323 | 351 | 374 | 394 | 408 | 420 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| -22.5° | 111 | 142 | 177 | 212 | 247 | 279 | 308 | 333 | 356 | 374 | 390 |
| -23.75° | 80 | 107 | 134 | 166 | 199 | 230 | 260 | 286 | 309 | 330 | 348 |
| -25° | 48 | 75 | 100 | 124 | 152 | 180 | 208 | 234 | 259 | 280 | 298 |
| -26.25° | 36 | 43 | 65 | 89 | 111 | 132 | 157 | 181 | 204 | 225 | 244 |
| -27.5° | 26 | 33 | 40 | 53 | 74 | 94 | 113 | 130 | 151 | 170 | 187 |
| -28.75° | 18 | 23 | 30 | 36 | 42 | 56 | 74 | 91 | 106 | 120 | 133 |
| -30° | 16 | 18 | 20 | 26 | 31 | 36 | 41 | 51 | 66 | 79 | 91 |
| -31.25° | 14 | 16 | 17 | 18 | 20 | 25 | 30 | 34 | 38 | 42 | 49 |
| -32.5° | 13 | 13 | 15 | 16 | 17 | 18 | 19 | 23 | 27 | 30 | 33 |
| -33.75° | 11 | 12 | 13 | 14 | 15 | 16 | 16 | 17 | 18 | 19 | 21 |
| -35° | 9 | 10 | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 16 | 17 |
| -36.25° | 7 | 8 | 9 | 10 | 11 | 11 | 12 | 13 | 13 | 14 | 14 |
| -37.5° | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 11 | 12 | 12 |
| -38.75° | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 10 | 10 |
| -40° | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 7 | 8 | 8 |
| -41.25° | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| -42.5° | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| -43.75° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| -46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -50° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -51.25° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -65° | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -76.25° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -21.25° | -20° | -18.75° | -17.5° | -16.25° | -15° | -13.75° | -12.5° | -11.25° | -10° | -8.75° |
|---------|---------|------|---------|--------|---------|------|---------|--------|---------|------|--------|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -6.25° | -5° | -3.75° | -2.5° | -1.25° | 0° | 1.25° | 2.5° | 3.75° | 5° |
|--------|-------|--------|-----|--------|-------|--------|----|-------|------|-------|----|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 51.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 50° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 |
| 45° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 43.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 42.5° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 41.25° | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 40° | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 9 | 9 | 9 |
| 38.75° | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 11 | 11 | 11 |
| 37.5° | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 13 | 13 | 13 |
| 36.25° | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 35° | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 18 | 18 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -6.25° | -5° | -3.75° | -2.5° | -1.25° | 0° | 1.25° | 2.5° | 3.75° | 5° |
|---------|-------|--------|------|--------|-------|--------|------|-------|------|-------|------|
| 33.75° | 24 | 26 | 28 | 29 | 30 | 31 | 31 | 31 | 30 | 29 | 28 |
| 32.5° | 36 | 38 | 40 | 42 | 43 | 43 | 43 | 43 | 43 | 42 | 40 |
| 31.25° | 59 | 68 | 75 | 80 | 84 | 86 | 87 | 86 | 84 | 80 | 75 |
| 30° | 101 | 110 | 118 | 123 | 127 | 130 | 131 | 130 | 127 | 123 | 118 |
| 28.75° | 147 | 159 | 169 | 177 | 183 | 186 | 187 | 186 | 183 | 177 | 169 |
| 27.5° | 203 | 216 | 227 | 236 | 242 | 246 | 247 | 246 | 242 | 236 | 227 |
| 26.25° | 260 | 274 | 285 | 294 | 300 | 303 | 305 | 303 | 300 | 294 | 285 |
| 25° | 314 | 327 | 338 | 346 | 352 | 356 | 357 | 356 | 352 | 346 | 338 |
| 23.75° | 362 | 374 | 383 | 391 | 395 | 398 | 398 | 398 | 395 | 391 | 383 |
| 22.5° | 401 | 410 | 418 | 423 | 427 | 429 | 430 | 429 | 427 | 423 | 418 |
| 21.25° | 430 | 439 | 446 | 452 | 456 | 459 | 459 | 459 | 456 | 452 | 446 |
| 20° | 458 | 468 | 477 | 484 | 489 | 493 | 494 | 493 | 489 | 484 | 477 |
| 18.75° | 490 | 502 | 514 | 522 | 530 | 534 | 536 | 534 | 530 | 522 | 514 |
| 17.5° | 526 | 544 | 559 | 572 | 581 | 587 | 589 | 587 | 581 | 572 | 559 |
| 16.25° | 573 | 595 | 614 | 634 | 649 | 658 | 661 | 658 | 649 | 634 | 614 |
| 15° | 630 | 662 | 695 | 725 | 747 | 761 | 765 | 761 | 747 | 725 | 695 |
| 13.75° | 710 | 758 | 807 | 847 | 877 | 901 | 909 | 901 | 877 | 847 | 807 |
| 12.5° | 814 | 879 | 952 | 1011 | 1067 | 1102 | 1114 | 1102 | 1067 | 1011 | 952 |
| 11.25° | 946 | 1046 | 1153 | 1251 | 1338 | 1392 | 1410 | 1392 | 1338 | 1251 | 1153 |
| 10° | 1118 | 1271 | 1432 | 1597 | 1733 | 1817 | 1845 | 1817 | 1733 | 1597 | 1432 |
| 8.75° | 1342 | 1573 | 1820 | 2065 | 2253 | 2380 | 2426 | 2380 | 2253 | 2065 | 1820 |
| 7.5° | 1627 | 1958 | 2294 | 2617 | 2864 | 3021 | 3074 | 3021 | 2864 | 2617 | 2294 |
| 6.25° | 1958 | 2385 | 2814 | 3187 | 3479 | 3667 | 3732 | 3667 | 3479 | 3187 | 2814 |
| 5° | 2294 | 2814 | 3301 | 3733 | 4072 | 4292 | 4370 | 4292 | 4072 | 3733 | 3301 |
| 3.75° | 2617 | 3187 | 3733 | 4217 | 4587 | 4827 | 4899 | 4827 | 4587 | 4217 | 3733 |
| 2.5° | 2864 | 3479 | 4072 | 4587 | 4976 | 5219 | 5295 | 5219 | 4976 | 4587 | 4072 |
| 1.25° | 3021 | 3667 | 4292 | 4827 | 5219 | 5459 | 5540 | 5459 | 5219 | 4827 | 4292 |
| 0° | 3074 | 3732 | 4370 | 4899 | 5295 | 5540 | 5650 | 5540 | 5295 | 4899 | 4370 |
| -1.25° | 3021 | 3667 | 4292 | 4827 | 5219 | 5459 | 5540 | 5459 | 5219 | 4827 | 4292 |
| -2.5° | 2864 | 3479 | 4072 | 4587 | 4976 | 5219 | 5295 | 5219 | 4976 | 4587 | 4072 |
| -3.75° | 2617 | 3187 | 3733 | 4217 | 4587 | 4827 | 4899 | 4827 | 4587 | 4217 | 3733 |
| -5° | 2294 | 2814 | 3301 | 3733 | 4072 | 4292 | 4370 | 4292 | 4072 | 3733 | 3301 |
| -6.25° | 1958 | 2385 | 2814 | 3187 | 3479 | 3667 | 3732 | 3667 | 3479 | 3187 | 2814 |
| -7.5° | 1627 | 1958 | 2294 | 2617 | 2864 | 3021 | 3074 | 3021 | 2864 | 2617 | 2294 |
| -8.75° | 1342 | 1573 | 1820 | 2065 | 2253 | 2380 | 2426 | 2380 | 2253 | 2065 | 1820 |
| -10° | 1118 | 1271 | 1432 | 1597 | 1733 | 1817 | 1845 | 1817 | 1733 | 1597 | 1432 |
| -11.25° | 946 | 1046 | 1153 | 1251 | 1338 | 1392 | 1410 | 1392 | 1338 | 1251 | 1153 |
| -12.5° | 814 | 879 | 952 | 1011 | 1067 | 1102 | 1114 | 1102 | 1067 | 1011 | 952 |
| -13.75° | 710 | 758 | 807 | 847 | 877 | 901 | 909 | 901 | 877 | 847 | 807 |
| -15° | 630 | 662 | 695 | 725 | 747 | 761 | 765 | 761 | 747 | 725 | 695 |
| -16.25° | 573 | 595 | 614 | 634 | 649 | 658 | 661 | 658 | 649 | 634 | 614 |
| -17.5° | 526 | 544 | 559 | 572 | 581 | 587 | 589 | 587 | 581 | 572 | 559 |
| -18.75° | 490 | 502 | 514 | 522 | 530 | 534 | 536 | 534 | 530 | 522 | 514 |
| -20° | 458 | 468 | 477 | 484 | 489 | 493 | 494 | 493 | 489 | 484 | 477 |
| -21.25° | 430 | 439 | 446 | 452 | 456 | 459 | 459 | 459 | 456 | 452 | 446 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -6.25° | -5° | -3.75° | -2.5° | -1.25° | 0° | 1.25° | 2.5° | 3.75° | 5° |
|---------|-------|--------|-----|--------|-------|--------|-----|-------|------|-------|-----|
| -22.5° | 401 | 410 | 418 | 423 | 427 | 429 | 430 | 429 | 427 | 423 | 418 |
| -23.75° | 362 | 374 | 383 | 391 | 395 | 398 | 398 | 398 | 395 | 391 | 383 |
| -25° | 314 | 327 | 338 | 346 | 352 | 356 | 357 | 356 | 352 | 346 | 338 |
| -26.25° | 260 | 274 | 285 | 294 | 300 | 303 | 305 | 303 | 300 | 294 | 285 |
| -27.5° | 203 | 216 | 227 | 236 | 242 | 246 | 247 | 246 | 242 | 236 | 227 |
| -28.75° | 147 | 159 | 169 | 177 | 183 | 186 | 187 | 186 | 183 | 177 | 169 |
| -30° | 101 | 110 | 118 | 123 | 127 | 130 | 131 | 130 | 127 | 123 | 118 |
| -31.25° | 59 | 68 | 75 | 80 | 84 | 86 | 87 | 86 | 84 | 80 | 75 |
| -32.5° | 36 | 38 | 40 | 42 | 43 | 43 | 43 | 43 | 43 | 42 | 40 |
| -33.75° | 24 | 26 | 28 | 29 | 30 | 31 | 31 | 31 | 30 | 29 | 28 |
| -35° | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 | 18 | 18 |
| -36.25° | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| -37.5° | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 13 | 13 | 13 |
| -38.75° | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 11 | 11 | 11 |
| -40° | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 9 | 9 | 9 |
| -41.25° | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| -42.5° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -43.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -45° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 |
| -47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -50° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -51.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -52.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -76.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -6.25° | -5° | -3.75° | -2.5° | -1.25° | 0° | 1.25° | 2.5° | 3.75° | 5° |
|---------|-------|--------|-----|--------|-------|--------|----|-------|------|-------|----|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 6.25° | 7.5° | 8.75° | 10° | 11.25° | 12.5° | 13.75° | 15° | 16.25° | 17.5° | 18.75° |
|--------|-------|------|-------|-----|--------|-------|--------|-----|--------|-------|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 50° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 45° | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 43.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 42.5° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 41.25° | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 40° | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 5 | 5 | 4 |
| 38.75° | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 |
| 37.5° | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 8 | 7 |
| 36.25° | 15 | 15 | 14 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 |
| 35° | 18 | 17 | 17 | 16 | 16 | 15 | 14 | 13 | 13 | 12 | 11 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 6.25° | 7.5° | 8.75° | 10° | 11.25° | 12.5° | 13.75° | 15° | 16.25° | 17.5° | 18.75° |
|---------|-------|------|-------|------|--------|-------|--------|-----|--------|-------|--------|
| 33.75° | 26 | 24 | 21 | 19 | 18 | 17 | 16 | 16 | 15 | 14 | 13 |
| 32.5° | 38 | 36 | 33 | 30 | 27 | 23 | 19 | 18 | 17 | 16 | 15 |
| 31.25° | 68 | 59 | 49 | 42 | 38 | 34 | 30 | 25 | 20 | 18 | 17 |
| 30° | 110 | 101 | 91 | 79 | 66 | 51 | 41 | 36 | 31 | 26 | 20 |
| 28.75° | 159 | 147 | 133 | 120 | 106 | 91 | 74 | 56 | 42 | 36 | 30 |
| 27.5° | 216 | 203 | 187 | 170 | 151 | 130 | 113 | 94 | 74 | 53 | 40 |
| 26.25° | 274 | 260 | 244 | 225 | 204 | 181 | 157 | 132 | 111 | 89 | 65 |
| 25° | 327 | 314 | 298 | 280 | 259 | 234 | 208 | 180 | 152 | 124 | 100 |
| 23.75° | 374 | 362 | 348 | 330 | 309 | 286 | 260 | 230 | 199 | 166 | 134 |
| 22.5° | 410 | 401 | 390 | 374 | 356 | 333 | 308 | 279 | 247 | 212 | 177 |
| 21.25° | 439 | 430 | 420 | 408 | 394 | 374 | 351 | 323 | 293 | 258 | 221 |
| 20° | 468 | 458 | 447 | 435 | 422 | 406 | 388 | 363 | 334 | 301 | 264 |
| 18.75° | 502 | 490 | 476 | 461 | 447 | 432 | 415 | 396 | 370 | 339 | 303 |
| 17.5° | 544 | 526 | 510 | 491 | 474 | 456 | 438 | 421 | 400 | 372 | 339 |
| 16.25° | 595 | 573 | 550 | 526 | 504 | 482 | 461 | 442 | 422 | 400 | 370 |
| 15° | 662 | 630 | 598 | 568 | 539 | 512 | 487 | 463 | 442 | 421 | 396 |
| 13.75° | 758 | 710 | 661 | 616 | 580 | 546 | 515 | 487 | 461 | 438 | 415 |
| 12.5° | 879 | 814 | 746 | 681 | 628 | 584 | 546 | 512 | 482 | 456 | 432 |
| 11.25° | 1046 | 946 | 849 | 764 | 689 | 628 | 580 | 539 | 504 | 474 | 447 |
| 10° | 1271 | 1118 | 980 | 861 | 764 | 681 | 616 | 568 | 526 | 491 | 461 |
| 8.75° | 1573 | 1342 | 1143 | 980 | 849 | 746 | 661 | 598 | 550 | 510 | 476 |
| 7.5° | 1958 | 1627 | 1342 | 1118 | 946 | 814 | 710 | 630 | 573 | 526 | 490 |
| 6.25° | 2385 | 1958 | 1573 | 1271 | 1046 | 879 | 758 | 662 | 595 | 544 | 502 |
| 5° | 2814 | 2294 | 1820 | 1432 | 1153 | 952 | 807 | 695 | 614 | 559 | 514 |
| 3.75° | 3187 | 2617 | 2065 | 1597 | 1251 | 1011 | 847 | 725 | 634 | 572 | 522 |
| 2.5° | 3479 | 2864 | 2253 | 1733 | 1338 | 1067 | 877 | 747 | 649 | 581 | 530 |
| 1.25° | 3667 | 3021 | 2380 | 1817 | 1392 | 1102 | 901 | 761 | 658 | 587 | 534 |
| 0° | 3732 | 3074 | 2426 | 1845 | 1410 | 1114 | 909 | 765 | 661 | 589 | 536 |
| -1.25° | 3667 | 3021 | 2380 | 1817 | 1392 | 1102 | 901 | 761 | 658 | 587 | 534 |
| -2.5° | 3479 | 2864 | 2253 | 1733 | 1338 | 1067 | 877 | 747 | 649 | 581 | 530 |
| -3.75° | 3187 | 2617 | 2065 | 1597 | 1251 | 1011 | 847 | 725 | 634 | 572 | 522 |
| -5° | 2814 | 2294 | 1820 | 1432 | 1153 | 952 | 807 | 695 | 614 | 559 | 514 |
| -6.25° | 2385 | 1958 | 1573 | 1271 | 1046 | 879 | 758 | 662 | 595 | 544 | 502 |
| -7.5° | 1958 | 1627 | 1342 | 1118 | 946 | 814 | 710 | 630 | 573 | 526 | 490 |
| -8.75° | 1573 | 1342 | 1143 | 980 | 849 | 746 | 661 | 598 | 550 | 510 | 476 |
| -10° | 1271 | 1118 | 980 | 861 | 764 | 681 | 616 | 568 | 526 | 491 | 461 |
| -11.25° | 1046 | 946 | 849 | 764 | 689 | 628 | 580 | 539 | 504 | 474 | 447 |
| -12.5° | 879 | 814 | 746 | 681 | 628 | 584 | 546 | 512 | 482 | 456 | 432 |
| -13.75° | 758 | 710 | 661 | 616 | 580 | 546 | 515 | 487 | 461 | 438 | 415 |
| -15° | 662 | 630 | 598 | 568 | 539 | 512 | 487 | 463 | 442 | 421 | 396 |
| -16.25° | 595 | 573 | 550 | 526 | 504 | 482 | 461 | 442 | 422 | 400 | 370 |
| -17.5° | 544 | 526 | 510 | 491 | 474 | 456 | 438 | 421 | 400 | 372 | 339 |
| -18.75° | 502 | 490 | 476 | 461 | 447 | 432 | 415 | 396 | 370 | 339 | 303 |
| -20° | 468 | 458 | 447 | 435 | 422 | 406 | 388 | 363 | 334 | 301 | 264 |
| -21.25° | 439 | 430 | 420 | 408 | 394 | 374 | 351 | 323 | 293 | 258 | 221 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 6.25° | 7.5° | 8.75° | 10° | 11.25° | 12.5° | 13.75° | 15° | 16.25° | 17.5° | 18.75° |
|---------|-------|------|-------|-----|--------|-------|--------|-----|--------|-------|--------|
| -22.5° | 410 | 401 | 390 | 374 | 356 | 333 | 308 | 279 | 247 | 212 | 177 |
| -23.75° | 374 | 362 | 348 | 330 | 309 | 286 | 260 | 230 | 199 | 166 | 134 |
| -25° | 327 | 314 | 298 | 280 | 259 | 234 | 208 | 180 | 152 | 124 | 100 |
| -26.25° | 274 | 260 | 244 | 225 | 204 | 181 | 157 | 132 | 111 | 89 | 65 |
| -27.5° | 216 | 203 | 187 | 170 | 151 | 130 | 113 | 94 | 74 | 53 | 40 |
| -28.75° | 159 | 147 | 133 | 120 | 106 | 91 | 74 | 56 | 42 | 36 | 30 |
| -30° | 110 | 101 | 91 | 79 | 66 | 51 | 41 | 36 | 31 | 26 | 20 |
| -31.25° | 68 | 59 | 49 | 42 | 38 | 34 | 30 | 25 | 20 | 18 | 17 |
| -32.5° | 38 | 36 | 33 | 30 | 27 | 23 | 19 | 18 | 17 | 16 | 15 |
| -33.75° | 26 | 24 | 21 | 19 | 18 | 17 | 16 | 16 | 15 | 14 | 13 |
| -35° | 18 | 17 | 17 | 16 | 16 | 15 | 14 | 13 | 13 | 12 | 11 |
| -36.25° | 15 | 15 | 14 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 |
| -37.5° | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 8 | 7 |
| -38.75° | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 |
| -40° | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 5 | 5 | 4 |
| -41.25° | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| -42.5° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -43.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| -45° | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| -46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -48.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -50° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -51.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| -52.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -76.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 6.25° | 7.5° | 8.75° | 10° | 11.25° | 12.5° | 13.75° | 15° | 16.25° | 17.5° | 18.75° |
|---------|-------|------|-------|-----|--------|-------|--------|-----|--------|-------|--------|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 50° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 48.75° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 43.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 42.5° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 41.25° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 40° | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 38.75° | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 37.5° | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| 36.25° | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |
| 35° | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 4 | 4 | 3 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| 33.75° | 12 | 11 | 10 | 9 | 7 | 6 | 5 | 5 | 4 | 4 | 4 |
| 32.5° | 13 | 13 | 11 | 10 | 9 | 8 | 7 | 5 | 5 | 4 | 4 |
| 31.25° | 16 | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 | 5 | 4 |
| 30° | 18 | 16 | 15 | 13 | 12 | 11 | 10 | 8 | 7 | 5 | 5 |
| 28.75° | 23 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | 7 | 5 |
| 27.5° | 33 | 26 | 19 | 17 | 16 | 14 | 13 | 11 | 10 | 8 | 7 |
| 26.25° | 43 | 36 | 28 | 21 | 17 | 16 | 14 | 13 | 11 | 10 | 8 |
| 25° | 75 | 48 | 37 | 29 | 21 | 17 | 16 | 14 | 12 | 11 | 9 |
| 23.75° | 107 | 80 | 52 | 38 | 29 | 21 | 17 | 15 | 13 | 12 | 10 |
| 22.5° | 142 | 111 | 82 | 52 | 37 | 28 | 19 | 17 | 15 | 13 | 11 |
| 21.25° | 182 | 144 | 111 | 80 | 48 | 36 | 26 | 18 | 16 | 14 | 13 |
| 20° | 224 | 182 | 142 | 107 | 75 | 43 | 33 | 23 | 18 | 16 | 13 |
| 18.75° | 264 | 221 | 177 | 134 | 100 | 65 | 40 | 30 | 20 | 17 | 15 |
| 17.5° | 301 | 258 | 212 | 166 | 124 | 89 | 53 | 36 | 26 | 18 | 16 |
| 16.25° | 334 | 293 | 247 | 199 | 152 | 111 | 74 | 42 | 31 | 20 | 17 |
| 15° | 363 | 323 | 279 | 230 | 180 | 132 | 94 | 56 | 36 | 25 | 18 |
| 13.75° | 388 | 351 | 308 | 260 | 208 | 157 | 113 | 74 | 41 | 30 | 19 |
| 12.5° | 406 | 374 | 333 | 286 | 234 | 181 | 130 | 91 | 51 | 34 | 23 |
| 11.25° | 422 | 394 | 356 | 309 | 259 | 204 | 151 | 106 | 66 | 38 | 27 |
| 10° | 435 | 408 | 374 | 330 | 280 | 225 | 170 | 120 | 79 | 42 | 30 |
| 8.75° | 447 | 420 | 390 | 348 | 298 | 244 | 187 | 133 | 91 | 49 | 33 |
| 7.5° | 458 | 430 | 401 | 362 | 314 | 260 | 203 | 147 | 101 | 59 | 36 |
| 6.25° | 468 | 439 | 410 | 374 | 327 | 274 | 216 | 159 | 110 | 68 | 38 |
| 5° | 477 | 446 | 418 | 383 | 338 | 285 | 227 | 169 | 118 | 75 | 40 |
| 3.75° | 484 | 452 | 423 | 391 | 346 | 294 | 236 | 177 | 123 | 80 | 42 |
| 2.5° | 489 | 456 | 427 | 395 | 352 | 300 | 242 | 183 | 127 | 84 | 43 |
| 1.25° | 493 | 459 | 429 | 398 | 356 | 303 | 246 | 186 | 130 | 86 | 43 |
| 0° | 494 | 459 | 430 | 398 | 357 | 305 | 247 | 187 | 131 | 87 | 43 |
| -1.25° | 493 | 459 | 429 | 398 | 356 | 303 | 246 | 186 | 130 | 86 | 43 |
| -2.5° | 489 | 456 | 427 | 395 | 352 | 300 | 242 | 183 | 127 | 84 | 43 |
| -3.75° | 484 | 452 | 423 | 391 | 346 | 294 | 236 | 177 | 123 | 80 | 42 |
| -5° | 477 | 446 | 418 | 383 | 338 | 285 | 227 | 169 | 118 | 75 | 40 |
| -6.25° | 468 | 439 | 410 | 374 | 327 | 274 | 216 | 159 | 110 | 68 | 38 |
| -7.5° | 458 | 430 | 401 | 362 | 314 | 260 | 203 | 147 | 101 | 59 | 36 |
| -8.75° | 447 | 420 | 390 | 348 | 298 | 244 | 187 | 133 | 91 | 49 | 33 |
| -10° | 435 | 408 | 374 | 330 | 280 | 225 | 170 | 120 | 79 | 42 | 30 |
| -11.25° | 422 | 394 | 356 | 309 | 259 | 204 | 151 | 106 | 66 | 38 | 27 |
| -12.5° | 406 | 374 | 333 | 286 | 234 | 181 | 130 | 91 | 51 | 34 | 23 |
| -13.75° | 388 | 351 | 308 | 260 | 208 | 157 | 113 | 74 | 41 | 30 | 19 |
| -15° | 363 | 323 | 279 | 230 | 180 | 132 | 94 | 56 | 36 | 25 | 18 |
| -16.25° | 334 | 293 | 247 | 199 | 152 | 111 | 74 | 42 | 31 | 20 | 17 |
| -17.5° | 301 | 258 | 212 | 166 | 124 | 89 | 53 | 36 | 26 | 18 | 16 |
| -18.75° | 264 | 221 | 177 | 134 | 100 | 65 | 40 | 30 | 20 | 17 | 15 |
| -20° | 224 | 182 | 142 | 107 | 75 | 43 | 33 | 23 | 18 | 16 | 13 |
| -21.25° | 182 | 144 | 111 | 80 | 48 | 36 | 26 | 18 | 16 | 14 | 13 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 20° | 21.25° | 22.5° | 23.75° | 25° | 26.25° | 27.5° | 28.75° | 30° | 31.25° | 32.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -22.5° | 142 | 111 | 82 | 52 | 37 | 28 | 19 | 17 | 15 | 13 | 11 |
| -23.75° | 107 | 80 | 52 | 38 | 29 | 21 | 17 | 15 | 13 | 12 | 10 |
| -25° | 75 | 48 | 37 | 29 | 21 | 17 | 16 | 14 | 12 | 11 | 9 |
| -26.25° | 43 | 36 | 28 | 21 | 17 | 16 | 14 | 13 | 11 | 10 | 8 |
| -27.5° | 33 | 26 | 19 | 17 | 16 | 14 | 13 | 11 | 10 | 8 | 7 |
| -28.75° | 23 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | 7 | 5 |
| -30° | 18 | 16 | 15 | 13 | 12 | 11 | 10 | 8 | 7 | 5 | 5 |
| -31.25° | 16 | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 | 5 | 4 |
| -32.5° | 13 | 13 | 11 | 10 | 9 | 8 | 7 | 5 | 5 | 4 | 4 |
| -33.75° | 12 | 11 | 10 | 9 | 7 | 6 | 5 | 5 | 4 | 4 | 4 |
| -35° | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 4 | 4 | 3 |
| -36.25° | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |
| -37.5° | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| -38.75° | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -40° | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| -41.25° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -42.5° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -43.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| -46.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -47.5° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| -48.75° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -50° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|--------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73.75° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 61.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 48.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 46.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 45° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 43.75° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 42.5° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 41.25° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 40° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 38.75° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 37.5° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 36.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 35° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|---------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| 33.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 32.5° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 31.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 30° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 28.75° | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 27.5° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 26.25° | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 25° | 7 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 23.75° | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 22.5° | 10 | 8 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 21.25° | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 20° | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| 18.75° | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| 17.5° | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 | 3 | 3 |
| 16.25° | 15 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 |
| 15° | 16 | 13 | 11 | 10 | 7 | 5 | 4 | 4 | 4 | 3 | 3 |
| 13.75° | 16 | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 | 3 |
| 12.5° | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 | 3 |
| 11.25° | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 |
| 10° | 19 | 16 | 14 | 12 | 10 | 8 | 5 | 4 | 4 | 4 | 3 |
| 8.75° | 21 | 17 | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 |
| 7.5° | 24 | 17 | 15 | 13 | 11 | 8 | 6 | 5 | 4 | 4 | 3 |
| 6.25° | 26 | 18 | 15 | 13 | 11 | 9 | 6 | 5 | 4 | 4 | 3 |
| 5° | 28 | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| 3.75° | 29 | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| 2.5° | 30 | 19 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| 1.25° | 31 | 19 | 16 | 14 | 12 | 10 | 7 | 5 | 4 | 4 | 3 |
| 0° | 31 | 19 | 16 | 14 | 12 | 10 | 7 | 5 | 4 | 4 | 3 |
| -1.25° | 31 | 19 | 16 | 14 | 12 | 10 | 7 | 5 | 4 | 4 | 3 |
| -2.5° | 30 | 19 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| -3.75° | 29 | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| -5° | 28 | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 |
| -6.25° | 26 | 18 | 15 | 13 | 11 | 9 | 6 | 5 | 4 | 4 | 3 |
| -7.5° | 24 | 17 | 15 | 13 | 11 | 8 | 6 | 5 | 4 | 4 | 3 |
| -8.75° | 21 | 17 | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 |
| -10° | 19 | 16 | 14 | 12 | 10 | 8 | 5 | 4 | 4 | 4 | 3 |
| -11.25° | 18 | 16 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 |
| -12.5° | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 3 | 3 |
| -13.75° | 16 | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 | 3 |
| -15° | 16 | 13 | 11 | 10 | 7 | 5 | 4 | 4 | 4 | 3 | 3 |
| -16.25° | 15 | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 |
| -17.5° | 14 | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 3 | 3 | 3 |
| -18.75° | 13 | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| -20° | 12 | 10 | 8 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| -21.25° | 11 | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 33.75° | 35° | 36.25° | 37.5° | 38.75° | 40° | 41.25° | 42.5° | 43.75° | 45° | 46.25° |
|---------|--------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|
| -22.5° | 10 | 8 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -23.75° | 9 | 7 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| -25° | 7 | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| -26.25° | 6 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| -27.5° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| -28.75° | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -30° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| -31.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| -32.5° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| -33.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| -35° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -36.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| -37.5° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| -38.75° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| -40° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -41.25° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -42.5° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -43.75° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -45° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -46.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -48.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -51.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -57.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -60° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -61.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -73.75° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 61.25° | 62.5° | 63.75° | 65° | 66.25° | 67.5° | 68.75° | 70° | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|
| 33.75° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32.5° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28.75° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27.5° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26.25° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 21.25° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7.5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2.5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -1.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -2.5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -3.75° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -6.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -7.5° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -8.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -10° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -11.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -12.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -13.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -15° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -16.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -17.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -18.75° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -20° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -21.25° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 61.25° | 62.5° | 63.75° | 65° | 66.25° | 67.5° | 68.75° | 70° | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|
| -78.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -81.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -83.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -86.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -88.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 75° | 76.25° | 77.5° | 78.75° | 80° | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| 33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28.75° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26.25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23.75° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21.25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -1.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -2.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -3.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -6.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -7.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -8.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -10° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -11.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -12.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -13.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -15° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -16.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -17.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -18.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -20° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -21.25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 75° | 76.25° | 77.5° | 78.75° | 80° | 81.25° | 82.5° | 83.75° | 85° | 86.25° | 87.5° |
|---------|-----|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|
| -22.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -23.75° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -26.25° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -27.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -28.75° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -30° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -31.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -32.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -35° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -41.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -43.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -46.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -48.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -51.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -53.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -56.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -58.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -61.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -63.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -66.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -68.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -71.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -73.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220643 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)