

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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

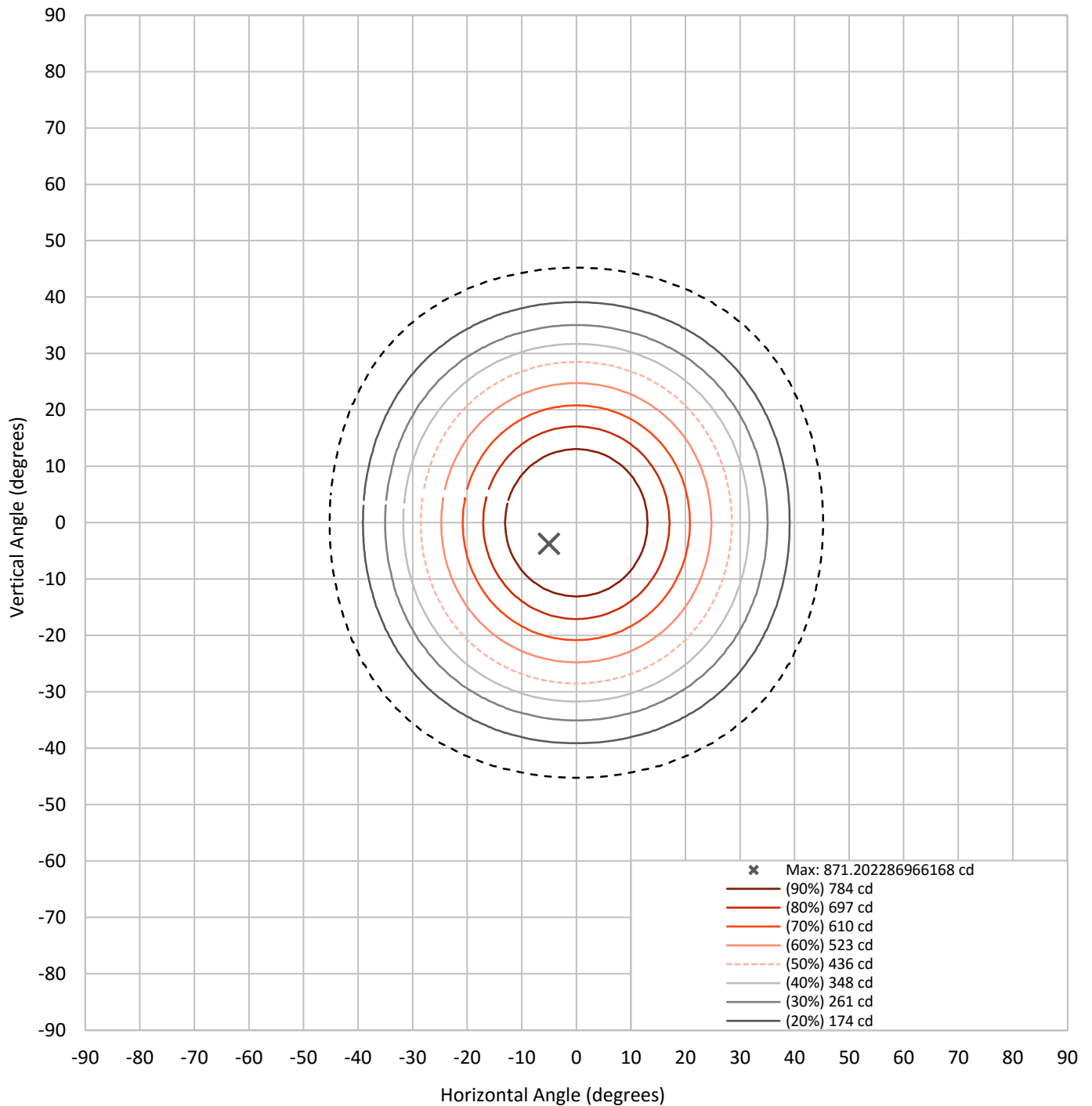
Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 5H x 5V |
| Luminaire Lumens: | 788.3 lumens | Max Intensity: | 871.2 candela |
| Efficiency: | N/A | Max Intensity Angle: | -5°H x -3.75°V |
| Efficacy: | 78.8 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.17' x H: 0') | | |
| Beam Angle (50%): | 56.6°H x 56.2°V | Field Angle (10%): | 90°H x 89.8°V |
| Beam Lumens: | 491.7 lumens | Field Lumens: | 734.9 lumens |
| Beam Efficiency: | 62.4% | Field Efficiency: | 93.2% |
| Input Watts (W): | 10 | | |
| Input Voltage (V): | 120 | | |
| Input Current (Ain): | NR | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | NR | | |
| Total Harmonic Distortion (THDi): | NR | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | NR | | |
| Operation Time: | NR | | |
| Ambient Temperature (°C): | NR | | |
| Test Distance: | 25 FT | | |

REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV

Iso-Candela Plot

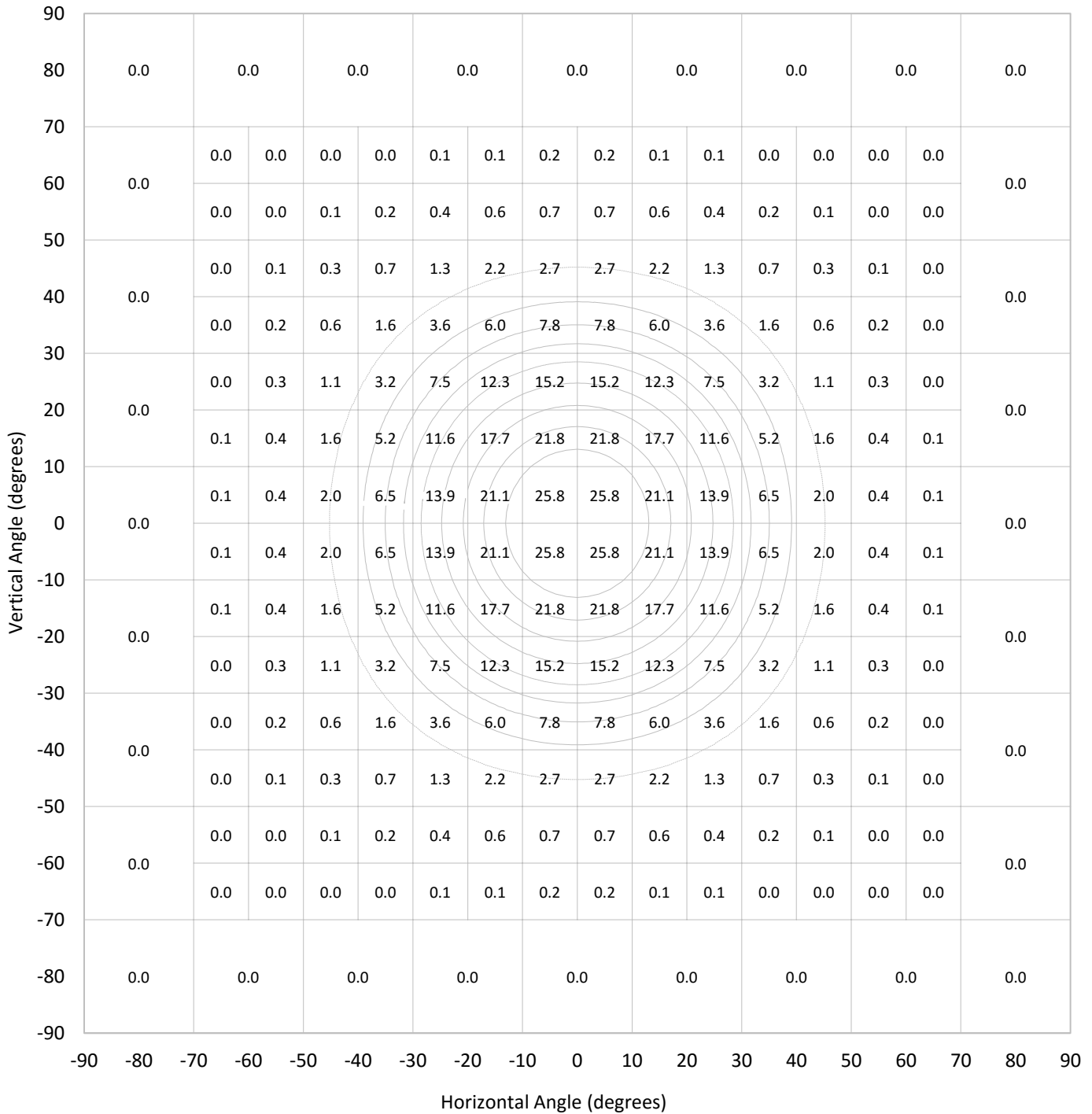




REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

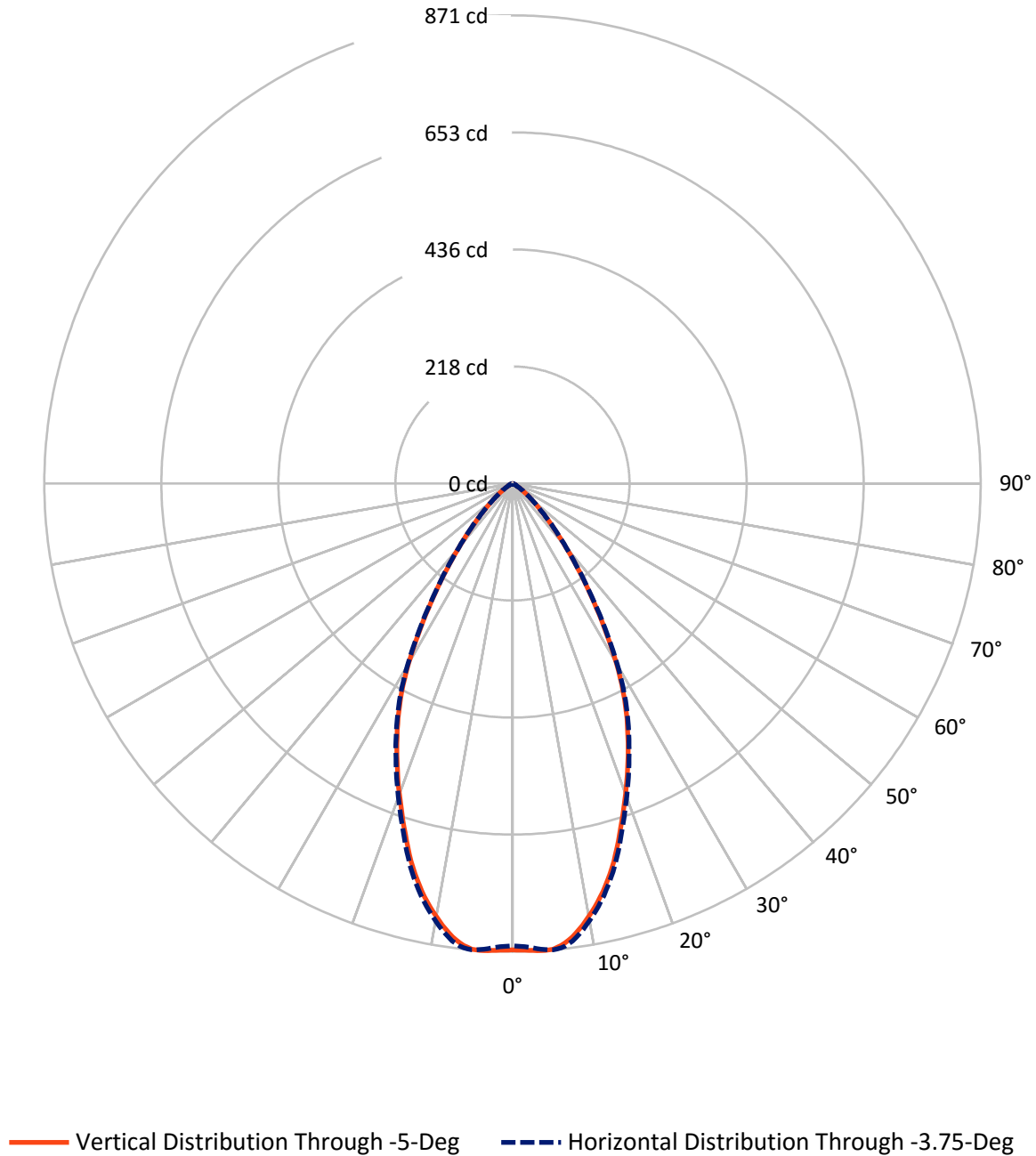
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV

Lumen Table



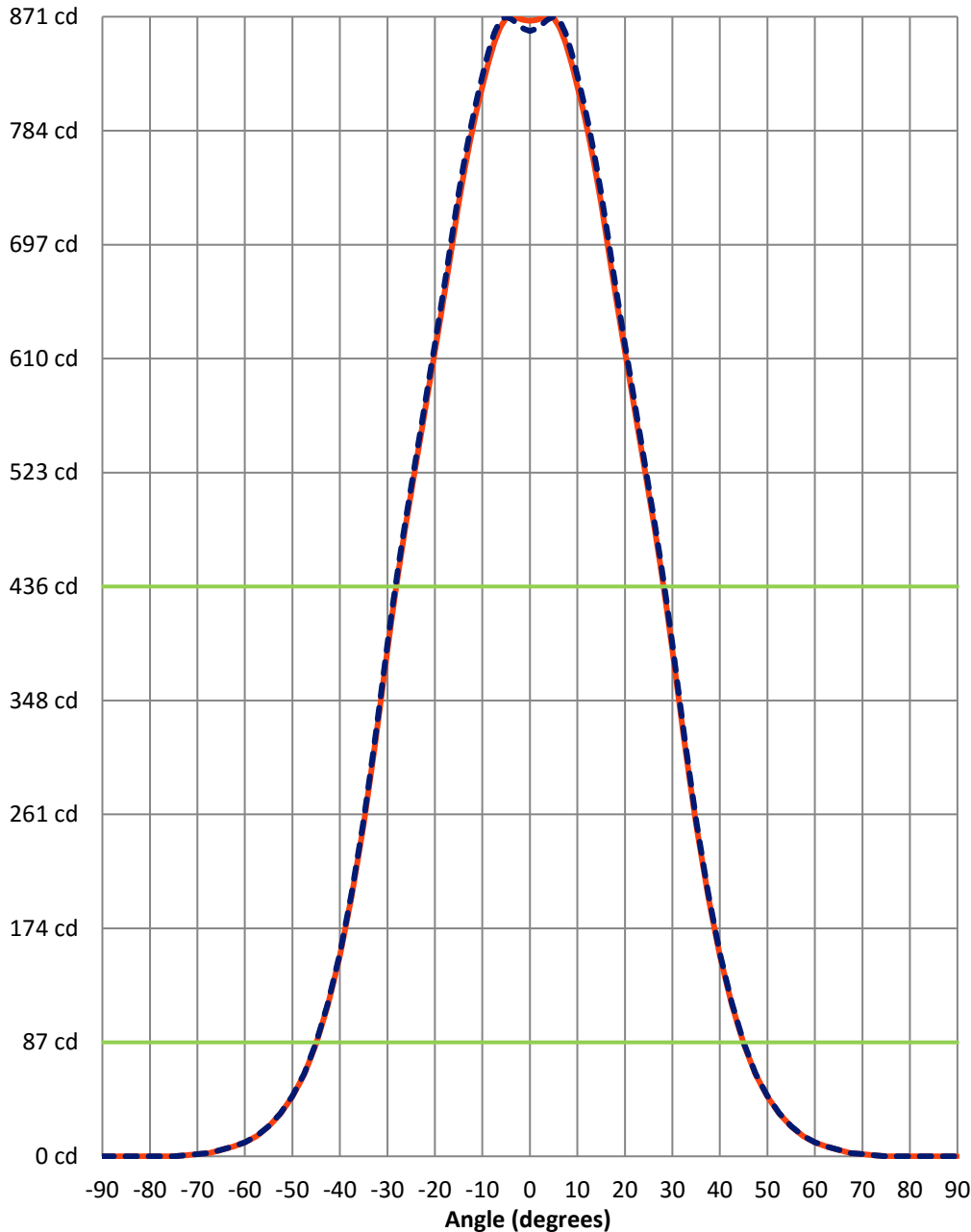
REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 56.6°
 V Angle: 56.2°
 Lumens: 491.7
 Efficiency: 62.4%

Field:
 H Angle: 90°
 V Angle: 89.8°
 Lumens: 734.9
 Efficiency: 93.2%

Spill:
 Lumens: 53.4
 Efficiency: 6.8%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -3.75-Deg



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-BK-L1-UNV

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 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 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 | 1 |
| 47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 46.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 43.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 42.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 41.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| 38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| 37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| 36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| 35° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| 32.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| 31.25° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| 30° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 |
| 28.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| 27.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 26.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 |
| 23.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 |
| 22.5° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 21.25° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 20° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 |
| 18.75° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 |
| 17.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| 16.25° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| 15° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| 13.75° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| 12.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 |
| 11.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 |
| 10° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 |
| 8.75° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 |
| 7.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 6.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 3.75° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 2.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 1.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| 0° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 6 |
| -1.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -2.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -3.75° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -6.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -7.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 | 6 |
| -8.75° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 |
| -10° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 | 6 |
| -11.25° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 |
| -12.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 |
| -13.75° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -15° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -16.25° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -17.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| -18.75° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 4 | 5 |
| -20° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 5 |
| -21.25° | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| -23.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 |
| -25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 |
| -26.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -27.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -28.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| -30° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 |
| -31.25° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| -32.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| -33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| -35° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| -36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| -37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 |
| -38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| -40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| -41.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -42.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -43.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -45° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| -46.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| -47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| -48.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| -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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 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 | 1 | 1 |
| 61.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 60° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 58.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| 57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 56.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 55° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 53.75° | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 52.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 |
| 51.25° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 |
| 50° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 |
| 48.75° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 |
| 47.5° | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 6 |
| 46.25° | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 6 |
| 45° | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 5 | 5 | 6 | 7 |
| 43.75° | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 |
| 42.5° | 2 | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 9 |
| 41.25° | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 7 | 8 | 9 |
| 40° | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 38.75° | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 9 | 10 | 11 |
| 37.5° | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 |
| 36.25° | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| 35° | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 14 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 15 |
| 32.5° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 13 | 15 | 17 |
| 31.25° | 3 | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 18 |
| 30° | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 14 | 17 | 20 |
| 28.75° | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 13 | 15 | 18 | 21 |
| 27.5° | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 19 | 23 |
| 26.25° | 4 | 6 | 7 | 8 | 9 | 11 | 13 | 15 | 18 | 21 | 24 |
| 25° | 5 | 6 | 7 | 8 | 10 | 11 | 13 | 16 | 19 | 22 | 26 |
| 23.75° | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 23 | 27 |
| 22.5° | 5 | 6 | 8 | 9 | 10 | 13 | 15 | 18 | 21 | 25 | 29 |
| 21.25° | 5 | 7 | 8 | 9 | 11 | 13 | 15 | 19 | 22 | 26 | 31 |
| 20° | 6 | 7 | 8 | 10 | 11 | 14 | 16 | 20 | 23 | 27 | 32 |
| 18.75° | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 33 |
| 17.5° | 6 | 7 | 9 | 10 | 12 | 15 | 18 | 21 | 25 | 30 | 35 |
| 16.25° | 6 | 8 | 9 | 11 | 13 | 15 | 19 | 22 | 26 | 31 | 37 |
| 15° | 6 | 8 | 9 | 11 | 13 | 16 | 19 | 23 | 27 | 32 | 38 |
| 13.75° | 7 | 8 | 10 | 11 | 14 | 16 | 20 | 24 | 28 | 33 | 39 |
| 12.5° | 7 | 8 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 34 | 41 |
| 11.25° | 7 | 8 | 10 | 12 | 14 | 17 | 21 | 25 | 30 | 35 | 42 |
| 10° | 7 | 9 | 10 | 12 | 15 | 18 | 21 | 26 | 31 | 36 | 43 |
| 8.75° | 7 | 9 | 10 | 12 | 15 | 18 | 22 | 26 | 31 | 37 | 44 |
| 7.5° | 7 | 9 | 10 | 13 | 15 | 19 | 22 | 27 | 32 | 38 | 45 |
| 6.25° | 7 | 9 | 11 | 13 | 15 | 19 | 23 | 27 | 32 | 39 | 45 |
| 5° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 39 | 46 |
| 3.75° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 39 | 46 |
| 2.5° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 40 | 46 |
| 1.25° | 7 | 9 | 11 | 13 | 16 | 20 | 23 | 28 | 33 | 40 | 47 |
| 0° | 7 | 9 | 11 | 13 | 16 | 20 | 23 | 28 | 33 | 40 | 47 |
| -1.25° | 7 | 9 | 11 | 13 | 16 | 20 | 23 | 28 | 33 | 40 | 47 |
| -2.5° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 40 | 46 |
| -3.75° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 40 | 46 |
| -5° | 7 | 9 | 11 | 13 | 16 | 19 | 23 | 28 | 33 | 39 | 46 |
| -6.25° | 7 | 9 | 11 | 13 | 15 | 19 | 23 | 27 | 32 | 39 | 45 |
| -7.5° | 7 | 9 | 10 | 13 | 15 | 19 | 22 | 27 | 32 | 38 | 45 |
| -8.75° | 7 | 9 | 10 | 12 | 15 | 18 | 22 | 26 | 31 | 37 | 44 |
| -10° | 7 | 9 | 10 | 12 | 15 | 18 | 21 | 26 | 31 | 36 | 43 |
| -11.25° | 7 | 8 | 10 | 12 | 14 | 17 | 21 | 25 | 30 | 35 | 42 |
| -12.5° | 7 | 8 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 34 | 41 |
| -13.75° | 7 | 8 | 10 | 11 | 14 | 16 | 20 | 24 | 28 | 33 | 39 |
| -15° | 6 | 8 | 9 | 11 | 13 | 16 | 19 | 23 | 27 | 32 | 38 |
| -16.25° | 6 | 8 | 9 | 11 | 13 | 15 | 19 | 22 | 26 | 31 | 37 |
| -17.5° | 6 | 7 | 9 | 10 | 12 | 15 | 18 | 21 | 25 | 30 | 35 |
| -18.75° | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 33 |
| -20° | 6 | 7 | 8 | 10 | 11 | 14 | 16 | 20 | 23 | 27 | 32 |
| -21.25° | 5 | 7 | 8 | 9 | 11 | 13 | 15 | 19 | 22 | 26 | 31 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 5 | 6 | 8 | 9 | 10 | 13 | 15 | 18 | 21 | 25 | 29 |
| -23.75° | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 23 | 27 |
| -25° | 5 | 6 | 7 | 8 | 10 | 11 | 13 | 16 | 19 | 22 | 26 |
| -26.25° | 4 | 6 | 7 | 8 | 9 | 11 | 13 | 15 | 18 | 21 | 24 |
| -27.5° | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 19 | 23 |
| -28.75° | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 13 | 15 | 18 | 21 |
| -30° | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 14 | 17 | 20 |
| -31.25° | 3 | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 18 |
| -32.5° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 13 | 15 | 17 |
| -33.75° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 15 |
| -35° | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 14 |
| -36.25° | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| -37.5° | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 |
| -38.75° | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 9 | 10 | 11 |
| -40° | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| -41.25° | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 7 | 8 | 9 |
| -42.5° | 2 | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 7 | 9 |
| -43.75° | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 |
| -45° | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 5 | 5 | 6 | 7 |
| -46.25° | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 6 |
| -47.5° | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 6 |
| -48.75° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 |
| -50° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 |
| -51.25° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 4 |
| -52.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 |
| -53.75° | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| -55° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -56.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -58.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -61.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| -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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 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 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 62.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 60° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 |
| 58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 |
| 57.5° | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| 56.25° | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 |
| 55° | 2 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 8 |
| 53.75° | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 9 |
| 52.5° | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 10 |
| 51.25° | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 11 |
| 50° | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 12 | 13 |
| 48.75° | 6 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 13 | 14 | 15 |
| 47.5° | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 17 |
| 46.25° | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 16 | 18 | 20 |
| 45° | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 23 |
| 43.75° | 9 | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 23 | 26 |
| 42.5° | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 24 | 26 | 29 |
| 41.25° | 10 | 12 | 13 | 15 | 17 | 19 | 22 | 24 | 27 | 30 | 33 |
| 40° | 11 | 13 | 15 | 17 | 19 | 21 | 24 | 27 | 30 | 33 | 37 |
| 38.75° | 13 | 14 | 16 | 19 | 21 | 24 | 27 | 30 | 33 | 37 | 41 |
| 37.5° | 14 | 16 | 18 | 21 | 23 | 26 | 30 | 33 | 37 | 41 | 46 |
| 36.25° | 15 | 17 | 20 | 23 | 26 | 29 | 33 | 37 | 41 | 46 | 51 |
| 35° | 16 | 19 | 22 | 25 | 28 | 32 | 36 | 41 | 45 | 50 | 56 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 18 | 21 | 24 | 27 | 31 | 35 | 40 | 44 | 50 | 56 | 61 |
| 32.5° | 20 | 23 | 26 | 30 | 33 | 38 | 43 | 48 | 55 | 61 | 68 |
| 31.25° | 21 | 24 | 28 | 32 | 37 | 42 | 47 | 53 | 59 | 66 | 75 |
| 30° | 23 | 27 | 30 | 35 | 40 | 45 | 51 | 58 | 64 | 73 | 82 |
| 28.75° | 25 | 29 | 33 | 38 | 43 | 49 | 55 | 62 | 70 | 79 | 88 |
| 27.5° | 26 | 31 | 35 | 41 | 46 | 53 | 59 | 67 | 76 | 86 | 97 |
| 26.25° | 28 | 32 | 38 | 43 | 49 | 56 | 63 | 73 | 82 | 93 | 105 |
| 25° | 30 | 35 | 40 | 46 | 53 | 60 | 68 | 78 | 88 | 100 | 112 |
| 23.75° | 32 | 37 | 43 | 49 | 56 | 64 | 74 | 84 | 95 | 108 | 120 |
| 22.5° | 33 | 39 | 45 | 52 | 60 | 68 | 79 | 89 | 102 | 115 | 129 |
| 21.25° | 36 | 41 | 48 | 55 | 63 | 73 | 83 | 95 | 108 | 122 | 138 |
| 20° | 38 | 44 | 50 | 58 | 67 | 77 | 88 | 101 | 114 | 130 | 146 |
| 18.75° | 39 | 45 | 53 | 61 | 70 | 81 | 93 | 107 | 121 | 137 | 154 |
| 17.5° | 41 | 47 | 55 | 63 | 74 | 85 | 98 | 112 | 128 | 145 | 163 |
| 16.25° | 43 | 50 | 58 | 67 | 78 | 89 | 103 | 117 | 134 | 151 | 171 |
| 15° | 44 | 52 | 60 | 70 | 81 | 93 | 108 | 123 | 140 | 158 | 180 |
| 13.75° | 46 | 54 | 62 | 73 | 84 | 97 | 112 | 128 | 146 | 165 | 187 |
| 12.5° | 47 | 56 | 64 | 75 | 87 | 101 | 116 | 133 | 151 | 172 | 194 |
| 11.25° | 49 | 57 | 66 | 78 | 90 | 104 | 119 | 138 | 156 | 178 | 201 |
| 10° | 50 | 59 | 68 | 80 | 93 | 108 | 123 | 142 | 161 | 184 | 207 |
| 8.75° | 51 | 60 | 70 | 82 | 95 | 110 | 127 | 145 | 166 | 189 | 213 |
| 7.5° | 52 | 61 | 72 | 84 | 97 | 113 | 130 | 149 | 170 | 193 | 218 |
| 6.25° | 53 | 62 | 73 | 85 | 99 | 115 | 132 | 151 | 173 | 197 | 223 |
| 5° | 54 | 63 | 74 | 86 | 101 | 116 | 134 | 153 | 176 | 200 | 226 |
| 3.75° | 55 | 63 | 75 | 87 | 102 | 117 | 136 | 155 | 178 | 202 | 229 |
| 2.5° | 55 | 64 | 76 | 88 | 103 | 118 | 137 | 156 | 180 | 204 | 231 |
| 1.25° | 55 | 64 | 76 | 88 | 104 | 119 | 138 | 157 | 181 | 205 | 232 |
| 0° | 55 | 64 | 76 | 88 | 104 | 119 | 138 | 157 | 181 | 205 | 233 |
| -1.25° | 55 | 64 | 76 | 88 | 104 | 119 | 138 | 157 | 181 | 205 | 232 |
| -2.5° | 55 | 64 | 76 | 88 | 103 | 118 | 137 | 156 | 180 | 204 | 231 |
| -3.75° | 55 | 63 | 75 | 87 | 102 | 117 | 136 | 155 | 178 | 202 | 229 |
| -5° | 54 | 63 | 74 | 86 | 101 | 116 | 134 | 153 | 176 | 200 | 226 |
| -6.25° | 53 | 62 | 73 | 85 | 99 | 115 | 132 | 151 | 173 | 197 | 223 |
| -7.5° | 52 | 61 | 72 | 84 | 97 | 113 | 130 | 149 | 170 | 193 | 218 |
| -8.75° | 51 | 60 | 70 | 82 | 95 | 110 | 127 | 145 | 166 | 189 | 213 |
| -10° | 50 | 59 | 68 | 80 | 93 | 108 | 123 | 142 | 161 | 184 | 207 |
| -11.25° | 49 | 57 | 66 | 78 | 90 | 104 | 119 | 138 | 156 | 178 | 201 |
| -12.5° | 47 | 56 | 64 | 75 | 87 | 101 | 116 | 133 | 151 | 172 | 194 |
| -13.75° | 46 | 54 | 62 | 73 | 84 | 97 | 112 | 128 | 146 | 165 | 187 |
| -15° | 44 | 52 | 60 | 70 | 81 | 93 | 108 | 123 | 140 | 158 | 180 |
| -16.25° | 43 | 50 | 58 | 67 | 78 | 89 | 103 | 117 | 134 | 151 | 171 |
| -17.5° | 41 | 47 | 55 | 63 | 74 | 85 | 98 | 112 | 128 | 145 | 163 |
| -18.75° | 39 | 45 | 53 | 61 | 70 | 81 | 93 | 107 | 121 | 137 | 154 |
| -20° | 38 | 44 | 50 | 58 | 67 | 77 | 88 | 101 | 114 | 130 | 146 |
| -21.25° | 36 | 41 | 48 | 55 | 63 | 73 | 83 | 95 | 108 | 122 | 138 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 33 | 39 | 45 | 52 | 60 | 68 | 79 | 89 | 102 | 115 | 129 |
| -23.75° | 32 | 37 | 43 | 49 | 56 | 64 | 74 | 84 | 95 | 108 | 120 |
| -25° | 30 | 35 | 40 | 46 | 53 | 60 | 68 | 78 | 88 | 100 | 112 |
| -26.25° | 28 | 32 | 38 | 43 | 49 | 56 | 63 | 73 | 82 | 93 | 105 |
| -27.5° | 26 | 31 | 35 | 41 | 46 | 53 | 59 | 67 | 76 | 86 | 97 |
| -28.75° | 25 | 29 | 33 | 38 | 43 | 49 | 55 | 62 | 70 | 79 | 88 |
| -30° | 23 | 27 | 30 | 35 | 40 | 45 | 51 | 58 | 64 | 73 | 82 |
| -31.25° | 21 | 24 | 28 | 32 | 37 | 42 | 47 | 53 | 59 | 66 | 75 |
| -32.5° | 20 | 23 | 26 | 30 | 33 | 38 | 43 | 48 | 55 | 61 | 68 |
| -33.75° | 18 | 21 | 24 | 27 | 31 | 35 | 40 | 44 | 50 | 56 | 61 |
| -35° | 16 | 19 | 22 | 25 | 28 | 32 | 36 | 41 | 45 | 50 | 56 |
| -36.25° | 15 | 17 | 20 | 23 | 26 | 29 | 33 | 37 | 41 | 46 | 51 |
| -37.5° | 14 | 16 | 18 | 21 | 23 | 26 | 30 | 33 | 37 | 41 | 46 |
| -38.75° | 13 | 14 | 16 | 19 | 21 | 24 | 27 | 30 | 33 | 37 | 41 |
| -40° | 11 | 13 | 15 | 17 | 19 | 21 | 24 | 27 | 30 | 33 | 37 |
| -41.25° | 10 | 12 | 13 | 15 | 17 | 19 | 22 | 24 | 27 | 30 | 33 |
| -42.5° | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 24 | 26 | 29 |
| -43.75° | 9 | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 23 | 26 |
| -45° | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 17 | 19 | 21 | 23 |
| -46.25° | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 16 | 18 | 20 |
| -47.5° | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 17 |
| -48.75° | 6 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 13 | 14 | 15 |
| -50° | 5 | 6 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 12 | 13 |
| -51.25° | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 11 |
| -52.5° | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 9 | 10 |
| -53.75° | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 9 |
| -55° | 2 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 8 |
| -56.25° | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 |
| -57.5° | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| -58.75° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 |
| -60° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 |
| -61.25° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -62.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -65° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -66.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 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 | 1 | 1 | 1 | 1 | 1 |
| 70° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 63.75° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 62.5° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 61.25° | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 60° | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| 58.75° | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 |
| 57.5° | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 10 |
| 56.25° | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 11 | 12 | 13 |
| 55° | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 13 | 14 | 15 |
| 53.75° | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 52.5° | 11 | 12 | 13 | 14 | 14 | 15 | 16 | 18 | 19 | 20 | 21 |
| 51.25° | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 21 | 22 | 23 | 25 |
| 50° | 14 | 15 | 17 | 18 | 20 | 21 | 23 | 24 | 26 | 27 | 29 |
| 48.75° | 16 | 18 | 20 | 21 | 23 | 25 | 26 | 28 | 30 | 32 | 33 |
| 47.5° | 19 | 21 | 23 | 24 | 27 | 29 | 31 | 32 | 35 | 37 | 39 |
| 46.25° | 22 | 24 | 26 | 28 | 30 | 33 | 35 | 38 | 40 | 43 | 45 |
| 45° | 25 | 27 | 30 | 32 | 35 | 38 | 41 | 43 | 46 | 49 | 52 |
| 43.75° | 28 | 31 | 33 | 37 | 40 | 43 | 46 | 49 | 53 | 56 | 60 |
| 42.5° | 32 | 35 | 38 | 42 | 45 | 49 | 53 | 56 | 60 | 64 | 68 |
| 41.25° | 36 | 40 | 43 | 47 | 51 | 55 | 59 | 63 | 68 | 74 | 79 |
| 40° | 41 | 44 | 48 | 53 | 58 | 62 | 67 | 73 | 78 | 84 | 89 |
| 38.75° | 45 | 50 | 55 | 59 | 64 | 70 | 76 | 82 | 88 | 95 | 102 |
| 37.5° | 50 | 56 | 61 | 66 | 73 | 79 | 86 | 93 | 100 | 108 | 115 |
| 36.25° | 56 | 61 | 68 | 75 | 82 | 88 | 97 | 105 | 112 | 120 | 129 |
| 35° | 62 | 68 | 76 | 83 | 91 | 99 | 108 | 116 | 126 | 136 | 145 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 68 | 76 | 84 | 92 | 101 | 110 | 119 | 130 | 141 | 151 | 161 |
| 32.5° | 76 | 84 | 93 | 102 | 112 | 122 | 133 | 144 | 155 | 167 | 180 |
| 31.25° | 83 | 92 | 102 | 112 | 123 | 135 | 147 | 159 | 172 | 186 | 199 |
| 30° | 91 | 101 | 112 | 123 | 136 | 148 | 161 | 176 | 190 | 204 | 219 |
| 28.75° | 99 | 110 | 122 | 135 | 148 | 162 | 177 | 192 | 207 | 224 | 241 |
| 27.5° | 108 | 119 | 133 | 147 | 161 | 177 | 193 | 210 | 227 | 245 | 262 |
| 26.25° | 116 | 130 | 144 | 159 | 176 | 192 | 210 | 228 | 247 | 265 | 286 |
| 25° | 126 | 141 | 155 | 172 | 190 | 207 | 227 | 247 | 267 | 289 | 310 |
| 23.75° | 136 | 151 | 167 | 186 | 204 | 224 | 245 | 265 | 289 | 311 | 333 |
| 22.5° | 145 | 161 | 180 | 199 | 219 | 241 | 262 | 286 | 310 | 333 | 358 |
| 21.25° | 154 | 173 | 192 | 212 | 234 | 256 | 281 | 306 | 331 | 356 | 381 |
| 20° | 164 | 184 | 203 | 226 | 249 | 273 | 299 | 325 | 352 | 378 | 404 |
| 18.75° | 174 | 194 | 216 | 240 | 263 | 290 | 317 | 345 | 372 | 400 | 425 |
| 17.5° | 184 | 204 | 228 | 252 | 279 | 306 | 334 | 363 | 392 | 419 | 443 |
| 16.25° | 193 | 215 | 240 | 265 | 294 | 322 | 352 | 381 | 410 | 436 | 461 |
| 15° | 201 | 226 | 251 | 278 | 307 | 337 | 368 | 398 | 426 | 452 | 477 |
| 13.75° | 210 | 235 | 261 | 291 | 320 | 352 | 383 | 413 | 441 | 467 | 492 |
| 12.5° | 218 | 244 | 272 | 302 | 333 | 365 | 397 | 427 | 455 | 481 | 505 |
| 11.25° | 226 | 253 | 282 | 313 | 345 | 378 | 409 | 439 | 467 | 493 | 517 |
| 10° | 233 | 260 | 291 | 322 | 356 | 389 | 421 | 450 | 478 | 503 | 528 |
| 8.75° | 240 | 268 | 299 | 331 | 365 | 399 | 430 | 459 | 487 | 512 | 538 |
| 7.5° | 245 | 275 | 307 | 339 | 374 | 407 | 438 | 468 | 495 | 521 | 547 |
| 6.25° | 250 | 280 | 313 | 346 | 381 | 414 | 445 | 475 | 502 | 528 | 555 |
| 5° | 254 | 285 | 318 | 352 | 387 | 420 | 451 | 480 | 507 | 534 | 561 |
| 3.75° | 257 | 289 | 322 | 356 | 391 | 425 | 455 | 485 | 512 | 539 | 566 |
| 2.5° | 259 | 292 | 324 | 359 | 395 | 428 | 459 | 488 | 515 | 543 | 570 |
| 1.25° | 260 | 293 | 326 | 361 | 397 | 430 | 460 | 489 | 517 | 545 | 572 |
| 0° | 261 | 294 | 327 | 362 | 397 | 430 | 461 | 490 | 517 | 545 | 573 |
| -1.25° | 260 | 293 | 326 | 361 | 397 | 430 | 460 | 489 | 517 | 545 | 572 |
| -2.5° | 259 | 292 | 324 | 359 | 395 | 428 | 459 | 488 | 515 | 543 | 570 |
| -3.75° | 257 | 289 | 322 | 356 | 391 | 425 | 455 | 485 | 512 | 539 | 566 |
| -5° | 254 | 285 | 318 | 352 | 387 | 420 | 451 | 480 | 507 | 534 | 561 |
| -6.25° | 250 | 280 | 313 | 346 | 381 | 414 | 445 | 475 | 502 | 528 | 555 |
| -7.5° | 245 | 275 | 307 | 339 | 374 | 407 | 438 | 468 | 495 | 521 | 547 |
| -8.75° | 240 | 268 | 299 | 331 | 365 | 399 | 430 | 459 | 487 | 512 | 538 |
| -10° | 233 | 260 | 291 | 322 | 356 | 389 | 421 | 450 | 478 | 503 | 528 |
| -11.25° | 226 | 253 | 282 | 313 | 345 | 378 | 409 | 439 | 467 | 493 | 517 |
| -12.5° | 218 | 244 | 272 | 302 | 333 | 365 | 397 | 427 | 455 | 481 | 505 |
| -13.75° | 210 | 235 | 261 | 291 | 320 | 352 | 383 | 413 | 441 | 467 | 492 |
| -15° | 201 | 226 | 251 | 278 | 307 | 337 | 368 | 398 | 426 | 452 | 477 |
| -16.25° | 193 | 215 | 240 | 265 | 294 | 322 | 352 | 381 | 410 | 436 | 461 |
| -17.5° | 184 | 204 | 228 | 252 | 279 | 306 | 334 | 363 | 392 | 419 | 443 |
| -18.75° | 174 | 194 | 216 | 240 | 263 | 290 | 317 | 345 | 372 | 400 | 425 |
| -20° | 164 | 184 | 203 | 226 | 249 | 273 | 299 | 325 | 352 | 378 | 404 |
| -21.25° | 154 | 173 | 192 | 212 | 234 | 256 | 281 | 306 | 331 | 356 | 381 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 145 | 161 | 180 | 199 | 219 | 241 | 262 | 286 | 310 | 333 | 358 |
| -23.75° | 136 | 151 | 167 | 186 | 204 | 224 | 245 | 265 | 289 | 311 | 333 |
| -25° | 126 | 141 | 155 | 172 | 190 | 207 | 227 | 247 | 267 | 289 | 310 |
| -26.25° | 116 | 130 | 144 | 159 | 176 | 192 | 210 | 228 | 247 | 265 | 286 |
| -27.5° | 108 | 119 | 133 | 147 | 161 | 177 | 193 | 210 | 227 | 245 | 262 |
| -28.75° | 99 | 110 | 122 | 135 | 148 | 162 | 177 | 192 | 207 | 224 | 241 |
| -30° | 91 | 101 | 112 | 123 | 136 | 148 | 161 | 176 | 190 | 204 | 219 |
| -31.25° | 83 | 92 | 102 | 112 | 123 | 135 | 147 | 159 | 172 | 186 | 199 |
| -32.5° | 76 | 84 | 93 | 102 | 112 | 122 | 133 | 144 | 155 | 167 | 180 |
| -33.75° | 68 | 76 | 84 | 92 | 101 | 110 | 119 | 130 | 141 | 151 | 161 |
| -35° | 62 | 68 | 76 | 83 | 91 | 99 | 108 | 116 | 126 | 136 | 145 |
| -36.25° | 56 | 61 | 68 | 75 | 82 | 88 | 97 | 105 | 112 | 120 | 129 |
| -37.5° | 50 | 56 | 61 | 66 | 73 | 79 | 86 | 93 | 100 | 108 | 115 |
| -38.75° | 45 | 50 | 55 | 59 | 64 | 70 | 76 | 82 | 88 | 95 | 102 |
| -40° | 41 | 44 | 48 | 53 | 58 | 62 | 67 | 73 | 78 | 84 | 89 |
| -41.25° | 36 | 40 | 43 | 47 | 51 | 55 | 59 | 63 | 68 | 74 | 79 |
| -42.5° | 32 | 35 | 38 | 42 | 45 | 49 | 53 | 56 | 60 | 64 | 68 |
| -43.75° | 28 | 31 | 33 | 37 | 40 | 43 | 46 | 49 | 53 | 56 | 60 |
| -45° | 25 | 27 | 30 | 32 | 35 | 38 | 41 | 43 | 46 | 49 | 52 |
| -46.25° | 22 | 24 | 26 | 28 | 30 | 33 | 35 | 38 | 40 | 43 | 45 |
| -47.5° | 19 | 21 | 23 | 24 | 27 | 29 | 31 | 32 | 35 | 37 | 39 |
| -48.75° | 16 | 18 | 20 | 21 | 23 | 25 | 26 | 28 | 30 | 32 | 33 |
| -50° | 14 | 15 | 17 | 18 | 20 | 21 | 23 | 24 | 26 | 27 | 29 |
| -51.25° | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 21 | 22 | 23 | 25 |
| -52.5° | 11 | 12 | 13 | 14 | 14 | 15 | 16 | 18 | 19 | 20 | 21 |
| -53.75° | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| -55° | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 13 | 14 | 15 |
| -56.25° | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 11 | 12 | 13 |
| -57.5° | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 10 |
| -58.75° | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 9 | 9 |
| -60° | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 |
| -61.25° | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| -62.5° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| -63.75° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -66.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -70° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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 | 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 | 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 | 2 | 2 | 2 | 2 |
| 68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66.25° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 65° | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| 63.75° | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 62.5° | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 61.25° | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 60° | 8 | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 58.75° | 9 | 10 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| 57.5° | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 14 | 14 | 15 | 15 |
| 56.25° | 13 | 14 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 | 18 |
| 55° | 15 | 16 | 17 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 22 |
| 53.75° | 19 | 20 | 20 | 21 | 22 | 23 | 24 | 24 | 25 | 26 | 26 |
| 52.5° | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 31 |
| 51.25° | 26 | 27 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| 50° | 31 | 32 | 33 | 35 | 37 | 38 | 39 | 41 | 42 | 43 | 44 |
| 48.75° | 36 | 38 | 39 | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 51 |
| 47.5° | 41 | 44 | 45 | 47 | 50 | 52 | 54 | 56 | 57 | 59 | 60 |
| 46.25° | 48 | 50 | 53 | 55 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| 45° | 55 | 58 | 61 | 63 | 67 | 70 | 73 | 75 | 78 | 80 | 82 |
| 43.75° | 63 | 67 | 70 | 74 | 78 | 81 | 84 | 87 | 90 | 93 | 95 |
| 42.5° | 73 | 77 | 81 | 85 | 89 | 93 | 97 | 101 | 104 | 108 | 110 |
| 41.25° | 83 | 88 | 93 | 98 | 103 | 108 | 112 | 116 | 119 | 123 | 127 |
| 40° | 95 | 101 | 107 | 112 | 117 | 123 | 128 | 133 | 138 | 142 | 145 |
| 38.75° | 108 | 114 | 121 | 128 | 134 | 140 | 146 | 151 | 156 | 161 | 166 |
| 37.5° | 122 | 130 | 137 | 145 | 151 | 158 | 165 | 172 | 178 | 184 | 189 |
| 36.25° | 138 | 146 | 154 | 163 | 171 | 180 | 187 | 194 | 201 | 207 | 213 |
| 35° | 154 | 164 | 174 | 184 | 193 | 201 | 210 | 218 | 226 | 233 | 240 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 173 | 184 | 194 | 204 | 215 | 226 | 235 | 244 | 253 | 260 | 268 |
| 32.5° | 192 | 203 | 216 | 228 | 240 | 251 | 261 | 272 | 282 | 291 | 299 |
| 31.25° | 212 | 226 | 240 | 252 | 265 | 278 | 291 | 302 | 313 | 322 | 331 |
| 30° | 234 | 249 | 263 | 279 | 294 | 307 | 320 | 333 | 345 | 356 | 365 |
| 28.75° | 256 | 273 | 290 | 306 | 322 | 337 | 352 | 365 | 378 | 389 | 399 |
| 27.5° | 281 | 299 | 317 | 334 | 352 | 368 | 383 | 397 | 409 | 421 | 430 |
| 26.25° | 306 | 325 | 345 | 363 | 381 | 398 | 413 | 427 | 439 | 450 | 459 |
| 25° | 331 | 352 | 372 | 392 | 410 | 426 | 441 | 455 | 467 | 478 | 487 |
| 23.75° | 356 | 378 | 400 | 419 | 436 | 452 | 467 | 481 | 493 | 503 | 512 |
| 22.5° | 381 | 404 | 425 | 443 | 461 | 477 | 492 | 505 | 517 | 528 | 538 |
| 21.25° | 405 | 427 | 448 | 467 | 484 | 500 | 514 | 528 | 541 | 553 | 564 |
| 20° | 427 | 449 | 470 | 488 | 505 | 521 | 537 | 552 | 565 | 578 | 589 |
| 18.75° | 448 | 470 | 490 | 508 | 526 | 543 | 559 | 575 | 589 | 603 | 615 |
| 17.5° | 467 | 488 | 508 | 527 | 546 | 564 | 581 | 598 | 613 | 626 | 640 |
| 16.25° | 484 | 505 | 526 | 546 | 565 | 585 | 603 | 619 | 636 | 651 | 665 |
| 15° | 500 | 521 | 543 | 564 | 585 | 604 | 623 | 641 | 659 | 676 | 691 |
| 13.75° | 514 | 537 | 559 | 581 | 603 | 623 | 643 | 663 | 682 | 700 | 718 |
| 12.5° | 528 | 552 | 575 | 598 | 619 | 641 | 663 | 684 | 705 | 725 | 741 |
| 11.25° | 541 | 565 | 589 | 613 | 636 | 659 | 682 | 705 | 727 | 746 | 763 |
| 10° | 553 | 578 | 603 | 626 | 651 | 676 | 700 | 725 | 746 | 765 | 781 |
| 8.75° | 564 | 589 | 615 | 640 | 665 | 691 | 718 | 741 | 763 | 781 | 798 |
| 7.5° | 573 | 600 | 625 | 652 | 678 | 706 | 732 | 756 | 777 | 796 | 813 |
| 6.25° | 582 | 608 | 634 | 662 | 690 | 718 | 745 | 768 | 789 | 808 | 825 |
| 5° | 588 | 615 | 643 | 671 | 699 | 729 | 754 | 778 | 799 | 818 | 836 |
| 3.75° | 594 | 621 | 649 | 678 | 707 | 736 | 762 | 786 | 807 | 826 | 844 |
| 2.5° | 598 | 625 | 654 | 683 | 713 | 742 | 768 | 791 | 812 | 832 | 850 |
| 1.25° | 600 | 627 | 656 | 686 | 716 | 745 | 771 | 794 | 816 | 836 | 853 |
| 0° | 601 | 628 | 657 | 687 | 718 | 746 | 772 | 796 | 817 | 837 | 854 |
| -1.25° | 600 | 627 | 656 | 686 | 716 | 745 | 771 | 794 | 816 | 836 | 853 |
| -2.5° | 598 | 625 | 654 | 683 | 713 | 742 | 768 | 791 | 812 | 832 | 850 |
| -3.75° | 594 | 621 | 649 | 678 | 707 | 736 | 762 | 786 | 807 | 826 | 844 |
| -5° | 588 | 615 | 643 | 671 | 699 | 729 | 754 | 778 | 799 | 818 | 836 |
| -6.25° | 582 | 608 | 634 | 662 | 690 | 718 | 745 | 768 | 789 | 808 | 825 |
| -7.5° | 573 | 600 | 625 | 652 | 678 | 706 | 732 | 756 | 777 | 796 | 813 |
| -8.75° | 564 | 589 | 615 | 640 | 665 | 691 | 718 | 741 | 763 | 781 | 798 |
| -10° | 553 | 578 | 603 | 626 | 651 | 676 | 700 | 725 | 746 | 765 | 781 |
| -11.25° | 541 | 565 | 589 | 613 | 636 | 659 | 682 | 705 | 727 | 746 | 763 |
| -12.5° | 528 | 552 | 575 | 598 | 619 | 641 | 663 | 684 | 705 | 725 | 741 |
| -13.75° | 514 | 537 | 559 | 581 | 603 | 623 | 643 | 663 | 682 | 700 | 718 |
| -15° | 500 | 521 | 543 | 564 | 585 | 604 | 623 | 641 | 659 | 676 | 691 |
| -16.25° | 484 | 505 | 526 | 546 | 565 | 585 | 603 | 619 | 636 | 651 | 665 |
| -17.5° | 467 | 488 | 508 | 527 | 546 | 564 | 581 | 598 | 613 | 626 | 640 |
| -18.75° | 448 | 470 | 490 | 508 | 526 | 543 | 559 | 575 | 589 | 603 | 615 |
| -20° | 427 | 449 | 470 | 488 | 505 | 521 | 537 | 552 | 565 | 578 | 589 |
| -21.25° | 405 | 427 | 448 | 467 | 484 | 500 | 514 | 528 | 541 | 553 | 564 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 381 | 404 | 425 | 443 | 461 | 477 | 492 | 505 | 517 | 528 | 538 |
| -23.75° | 356 | 378 | 400 | 419 | 436 | 452 | 467 | 481 | 493 | 503 | 512 |
| -25° | 331 | 352 | 372 | 392 | 410 | 426 | 441 | 455 | 467 | 478 | 487 |
| -26.25° | 306 | 325 | 345 | 363 | 381 | 398 | 413 | 427 | 439 | 450 | 459 |
| -27.5° | 281 | 299 | 317 | 334 | 352 | 368 | 383 | 397 | 409 | 421 | 430 |
| -28.75° | 256 | 273 | 290 | 306 | 322 | 337 | 352 | 365 | 378 | 389 | 399 |
| -30° | 234 | 249 | 263 | 279 | 294 | 307 | 320 | 333 | 345 | 356 | 365 |
| -31.25° | 212 | 226 | 240 | 252 | 265 | 278 | 291 | 302 | 313 | 322 | 331 |
| -32.5° | 192 | 203 | 216 | 228 | 240 | 251 | 261 | 272 | 282 | 291 | 299 |
| -33.75° | 173 | 184 | 194 | 204 | 215 | 226 | 235 | 244 | 253 | 260 | 268 |
| -35° | 154 | 164 | 174 | 184 | 193 | 201 | 210 | 218 | 226 | 233 | 240 |
| -36.25° | 138 | 146 | 154 | 163 | 171 | 180 | 187 | 194 | 201 | 207 | 213 |
| -37.5° | 122 | 130 | 137 | 145 | 151 | 158 | 165 | 172 | 178 | 184 | 189 |
| -38.75° | 108 | 114 | 121 | 128 | 134 | 140 | 146 | 151 | 156 | 161 | 166 |
| -40° | 95 | 101 | 107 | 112 | 117 | 123 | 128 | 133 | 138 | 142 | 145 |
| -41.25° | 83 | 88 | 93 | 98 | 103 | 108 | 112 | 116 | 119 | 123 | 127 |
| -42.5° | 73 | 77 | 81 | 85 | 89 | 93 | 97 | 101 | 104 | 108 | 110 |
| -43.75° | 63 | 67 | 70 | 74 | 78 | 81 | 84 | 87 | 90 | 93 | 95 |
| -45° | 55 | 58 | 61 | 63 | 67 | 70 | 73 | 75 | 78 | 80 | 82 |
| -46.25° | 48 | 50 | 53 | 55 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| -47.5° | 41 | 44 | 45 | 47 | 50 | 52 | 54 | 56 | 57 | 59 | 60 |
| -48.75° | 36 | 38 | 39 | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 51 |
| -50° | 31 | 32 | 33 | 35 | 37 | 38 | 39 | 41 | 42 | 43 | 44 |
| -51.25° | 26 | 27 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| -52.5° | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 31 |
| -53.75° | 19 | 20 | 20 | 21 | 22 | 23 | 24 | 24 | 25 | 26 | 26 |
| -55° | 15 | 16 | 17 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 22 |
| -56.25° | 13 | 14 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 | 18 |
| -57.5° | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 14 | 14 | 15 | 15 |
| -58.75° | 9 | 10 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| -60° | 8 | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| -61.25° | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| -62.5° | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| -63.75° | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| -65° | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| -66.25° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 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° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| 66.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 65° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 63.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 62.5° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 61.25° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 60° | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 58.75° | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 57.5° | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 56.25° | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 19 | 19 | 19 |
| 55° | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 53.75° | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 52.5° | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 51.25° | 38 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 40 | 39 | 39 |
| 50° | 45 | 45 | 46 | 46 | 46 | 47 | 47 | 47 | 46 | 46 | 46 |
| 48.75° | 52 | 53 | 54 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 54 |
| 47.5° | 61 | 62 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 63 | 63 |
| 46.25° | 72 | 73 | 74 | 75 | 76 | 76 | 76 | 76 | 76 | 75 | 74 |
| 45° | 84 | 85 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 87 | 86 |
| 43.75° | 97 | 99 | 101 | 102 | 103 | 104 | 104 | 104 | 103 | 102 | 101 |
| 42.5° | 113 | 115 | 116 | 117 | 118 | 119 | 119 | 119 | 118 | 117 | 116 |
| 41.25° | 130 | 132 | 134 | 136 | 137 | 138 | 138 | 138 | 137 | 136 | 134 |
| 40° | 149 | 151 | 153 | 155 | 156 | 157 | 157 | 157 | 156 | 155 | 153 |
| 38.75° | 170 | 173 | 176 | 178 | 180 | 181 | 181 | 181 | 180 | 178 | 176 |
| 37.5° | 193 | 197 | 200 | 202 | 204 | 205 | 205 | 205 | 204 | 202 | 200 |
| 36.25° | 218 | 223 | 226 | 229 | 231 | 232 | 233 | 232 | 231 | 229 | 226 |
| 35° | 245 | 250 | 254 | 257 | 259 | 260 | 261 | 260 | 259 | 257 | 254 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 275 | 280 | 285 | 289 | 292 | 293 | 294 | 293 | 292 | 289 | 285 |
| 32.5° | 307 | 313 | 318 | 322 | 324 | 326 | 327 | 326 | 324 | 322 | 318 |
| 31.25° | 339 | 346 | 352 | 356 | 359 | 361 | 362 | 361 | 359 | 356 | 352 |
| 30° | 374 | 381 | 387 | 391 | 395 | 397 | 397 | 397 | 395 | 391 | 387 |
| 28.75° | 407 | 414 | 420 | 425 | 428 | 430 | 430 | 430 | 428 | 425 | 420 |
| 27.5° | 438 | 445 | 451 | 455 | 459 | 460 | 461 | 460 | 459 | 455 | 451 |
| 26.25° | 468 | 475 | 480 | 485 | 488 | 489 | 490 | 489 | 488 | 485 | 480 |
| 25° | 495 | 502 | 507 | 512 | 515 | 517 | 517 | 517 | 515 | 512 | 507 |
| 23.75° | 521 | 528 | 534 | 539 | 543 | 545 | 545 | 545 | 543 | 539 | 534 |
| 22.5° | 547 | 555 | 561 | 566 | 570 | 572 | 573 | 572 | 570 | 566 | 561 |
| 21.25° | 573 | 582 | 588 | 594 | 598 | 600 | 601 | 600 | 598 | 594 | 588 |
| 20° | 600 | 608 | 615 | 621 | 625 | 627 | 628 | 627 | 625 | 621 | 615 |
| 18.75° | 625 | 634 | 643 | 649 | 654 | 656 | 657 | 656 | 654 | 649 | 643 |
| 17.5° | 652 | 662 | 671 | 678 | 683 | 686 | 687 | 686 | 683 | 678 | 671 |
| 16.25° | 678 | 690 | 699 | 707 | 713 | 716 | 718 | 716 | 713 | 707 | 699 |
| 15° | 706 | 718 | 729 | 736 | 742 | 745 | 746 | 745 | 742 | 736 | 729 |
| 13.75° | 732 | 745 | 754 | 762 | 768 | 771 | 772 | 771 | 768 | 762 | 754 |
| 12.5° | 756 | 768 | 778 | 786 | 791 | 794 | 796 | 794 | 791 | 786 | 778 |
| 11.25° | 777 | 789 | 799 | 807 | 812 | 816 | 817 | 816 | 812 | 807 | 799 |
| 10° | 796 | 808 | 818 | 826 | 832 | 836 | 837 | 836 | 832 | 826 | 818 |
| 8.75° | 813 | 825 | 836 | 844 | 850 | 853 | 854 | 853 | 850 | 844 | 836 |
| 7.5° | 827 | 841 | 851 | 859 | 864 | 866 | 867 | 866 | 864 | 859 | 851 |
| 6.25° | 841 | 853 | 863 | 868 | 871 | 871 | 871 | 871 | 871 | 868 | 863 |
| 5° | 851 | 863 | 870 | 871 | 870 | 869 | 868 | 869 | 870 | 871 | 870 |
| 3.75° | 859 | 868 | 871 | 869 | 865 | 862 | 860 | 862 | 865 | 869 | 871 |
| 2.5° | 864 | 871 | 870 | 865 | 859 | 853 | 851 | 853 | 859 | 865 | 870 |
| 1.25° | 866 | 871 | 869 | 862 | 853 | 848 | 847 | 848 | 853 | 862 | 869 |
| 0° | 867 | 871 | 868 | 860 | 851 | 847 | 848 | 847 | 851 | 860 | 868 |
| -1.25° | 866 | 871 | 869 | 862 | 853 | 848 | 847 | 848 | 853 | 862 | 869 |
| -2.5° | 864 | 871 | 870 | 865 | 859 | 853 | 851 | 853 | 859 | 865 | 870 |
| -3.75° | 859 | 868 | 871 | 869 | 865 | 862 | 860 | 862 | 865 | 869 | 871 |
| -5° | 851 | 863 | 870 | 871 | 870 | 869 | 868 | 869 | 870 | 871 | 870 |
| -6.25° | 841 | 853 | 863 | 868 | 871 | 871 | 871 | 871 | 871 | 868 | 863 |
| -7.5° | 827 | 841 | 851 | 859 | 864 | 866 | 867 | 866 | 864 | 859 | 851 |
| -8.75° | 813 | 825 | 836 | 844 | 850 | 853 | 854 | 853 | 850 | 844 | 836 |
| -10° | 796 | 808 | 818 | 826 | 832 | 836 | 837 | 836 | 832 | 826 | 818 |
| -11.25° | 777 | 789 | 799 | 807 | 812 | 816 | 817 | 816 | 812 | 807 | 799 |
| -12.5° | 756 | 768 | 778 | 786 | 791 | 794 | 796 | 794 | 791 | 786 | 778 |
| -13.75° | 732 | 745 | 754 | 762 | 768 | 771 | 772 | 771 | 768 | 762 | 754 |
| -15° | 706 | 718 | 729 | 736 | 742 | 745 | 746 | 745 | 742 | 736 | 729 |
| -16.25° | 678 | 690 | 699 | 707 | 713 | 716 | 718 | 716 | 713 | 707 | 699 |
| -17.5° | 652 | 662 | 671 | 678 | 683 | 686 | 687 | 686 | 683 | 678 | 671 |
| -18.75° | 625 | 634 | 643 | 649 | 654 | 656 | 657 | 656 | 654 | 649 | 643 |
| -20° | 600 | 608 | 615 | 621 | 625 | 627 | 628 | 627 | 625 | 621 | 615 |
| -21.25° | 573 | 582 | 588 | 594 | 598 | 600 | 601 | 600 | 598 | 594 | 588 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 547 | 555 | 561 | 566 | 570 | 572 | 573 | 572 | 570 | 566 | 561 |
| -23.75° | 521 | 528 | 534 | 539 | 543 | 545 | 545 | 545 | 543 | 539 | 534 |
| -25° | 495 | 502 | 507 | 512 | 515 | 517 | 517 | 517 | 515 | 512 | 507 |
| -26.25° | 468 | 475 | 480 | 485 | 488 | 489 | 490 | 489 | 488 | 485 | 480 |
| -27.5° | 438 | 445 | 451 | 455 | 459 | 460 | 461 | 460 | 459 | 455 | 451 |
| -28.75° | 407 | 414 | 420 | 425 | 428 | 430 | 430 | 430 | 428 | 425 | 420 |
| -30° | 374 | 381 | 387 | 391 | 395 | 397 | 397 | 397 | 395 | 391 | 387 |
| -31.25° | 339 | 346 | 352 | 356 | 359 | 361 | 362 | 361 | 359 | 356 | 352 |
| -32.5° | 307 | 313 | 318 | 322 | 324 | 326 | 327 | 326 | 324 | 322 | 318 |
| -33.75° | 275 | 280 | 285 | 289 | 292 | 293 | 294 | 293 | 292 | 289 | 285 |
| -35° | 245 | 250 | 254 | 257 | 259 | 260 | 261 | 260 | 259 | 257 | 254 |
| -36.25° | 218 | 223 | 226 | 229 | 231 | 232 | 233 | 232 | 231 | 229 | 226 |
| -37.5° | 193 | 197 | 200 | 202 | 204 | 205 | 205 | 205 | 204 | 202 | 200 |
| -38.75° | 170 | 173 | 176 | 178 | 180 | 181 | 181 | 181 | 180 | 178 | 176 |
| -40° | 149 | 151 | 153 | 155 | 156 | 157 | 157 | 157 | 156 | 155 | 153 |
| -41.25° | 130 | 132 | 134 | 136 | 137 | 138 | 138 | 138 | 137 | 136 | 134 |
| -42.5° | 113 | 115 | 116 | 117 | 118 | 119 | 119 | 119 | 118 | 117 | 116 |
| -43.75° | 97 | 99 | 101 | 102 | 103 | 104 | 104 | 104 | 103 | 102 | 101 |
| -45° | 84 | 85 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 87 | 86 |
| -46.25° | 72 | 73 | 74 | 75 | 76 | 76 | 76 | 76 | 76 | 75 | 74 |
| -47.5° | 61 | 62 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 63 | 63 |
| -48.75° | 52 | 53 | 54 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 54 |
| -50° | 45 | 45 | 46 | 46 | 46 | 47 | 47 | 47 | 46 | 46 | 46 |
| -51.25° | 38 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 40 | 39 | 39 |
| -52.5° | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| -53.75° | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| -55° | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| -56.25° | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 19 | 19 | 19 |
| -57.5° | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| -58.75° | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| -60° | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| -61.25° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| -62.5° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| -63.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -65° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -66.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| -68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -70° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -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° | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 65° | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 63.75° | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 62.5° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 61.25° | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| 60° | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| 58.75° | 13 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 10 |
| 57.5° | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13 | 13 | 12 | 12 |
| 56.25° | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 16 | 15 | 15 | 14 |
| 55° | 23 | 22 | 22 | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 17 |
| 53.75° | 27 | 27 | 26 | 26 | 25 | 24 | 24 | 23 | 22 | 21 | 20 |
| 52.5° | 32 | 32 | 31 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 |
| 51.25° | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 |
| 50° | 45 | 45 | 44 | 43 | 42 | 41 | 39 | 38 | 37 | 35 | 33 |
| 48.75° | 53 | 52 | 51 | 50 | 49 | 47 | 46 | 44 | 43 | 41 | 39 |
| 47.5° | 62 | 61 | 60 | 59 | 57 | 56 | 54 | 52 | 50 | 47 | 45 |
| 46.25° | 73 | 72 | 70 | 68 | 66 | 64 | 62 | 60 | 58 | 55 | 53 |
| 45° | 85 | 84 | 82 | 80 | 78 | 75 | 73 | 70 | 67 | 63 | 61 |
| 43.75° | 99 | 97 | 95 | 93 | 90 | 87 | 84 | 81 | 78 | 74 | 70 |
| 42.5° | 115 | 113 | 110 | 108 | 104 | 101 | 97 | 93 | 89 | 85 | 81 |
| 41.25° | 132 | 130 | 127 | 123 | 119 | 116 | 112 | 108 | 103 | 98 | 93 |
| 40° | 151 | 149 | 145 | 142 | 138 | 133 | 128 | 123 | 117 | 112 | 107 |
| 38.75° | 173 | 170 | 166 | 161 | 156 | 151 | 146 | 140 | 134 | 128 | 121 |
| 37.5° | 197 | 193 | 189 | 184 | 178 | 172 | 165 | 158 | 151 | 145 | 137 |
| 36.25° | 223 | 218 | 213 | 207 | 201 | 194 | 187 | 180 | 171 | 163 | 154 |
| 35° | 250 | 245 | 240 | 233 | 226 | 218 | 210 | 201 | 193 | 184 | 174 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 280 | 275 | 268 | 260 | 253 | 244 | 235 | 226 | 215 | 204 | 194 |
| 32.5° | 313 | 307 | 299 | 291 | 282 | 272 | 261 | 251 | 240 | 228 | 216 |
| 31.25° | 346 | 339 | 331 | 322 | 313 | 302 | 291 | 278 | 265 | 252 | 240 |
| 30° | 381 | 374 | 365 | 356 | 345 | 333 | 320 | 307 | 294 | 279 | 263 |
| 28.75° | 414 | 407 | 399 | 389 | 378 | 365 | 352 | 337 | 322 | 306 | 290 |
| 27.5° | 445 | 438 | 430 | 421 | 409 | 397 | 383 | 368 | 352 | 334 | 317 |
| 26.25° | 475 | 468 | 459 | 450 | 439 | 427 | 413 | 398 | 381 | 363 | 345 |
| 25° | 502 | 495 | 487 | 478 | 467 | 455 | 441 | 426 | 410 | 392 | 372 |
| 23.75° | 528 | 521 | 512 | 503 | 493 | 481 | 467 | 452 | 436 | 419 | 400 |
| 22.5° | 555 | 547 | 538 | 528 | 517 | 505 | 492 | 477 | 461 | 443 | 425 |
| 21.25° | 582 | 573 | 564 | 553 | 541 | 528 | 514 | 500 | 484 | 467 | 448 |
| 20° | 608 | 600 | 589 | 578 | 565 | 552 | 537 | 521 | 505 | 488 | 470 |
| 18.75° | 634 | 625 | 615 | 603 | 589 | 575 | 559 | 543 | 526 | 508 | 490 |
| 17.5° | 662 | 652 | 640 | 626 | 613 | 598 | 581 | 564 | 546 | 527 | 508 |
| 16.25° | 690 | 678 | 665 | 651 | 636 | 619 | 603 | 585 | 565 | 546 | 526 |
| 15° | 718 | 706 | 691 | 676 | 659 | 641 | 623 | 604 | 585 | 564 | 543 |
| 13.75° | 745 | 732 | 718 | 700 | 682 | 663 | 643 | 623 | 603 | 581 | 559 |
| 12.5° | 768 | 756 | 741 | 725 | 705 | 684 | 663 | 641 | 619 | 598 | 575 |
| 11.25° | 789 | 777 | 763 | 746 | 727 | 705 | 682 | 659 | 636 | 613 | 589 |
| 10° | 808 | 796 | 781 | 765 | 746 | 725 | 700 | 676 | 651 | 626 | 603 |
| 8.75° | 825 | 813 | 798 | 781 | 763 | 741 | 718 | 691 | 665 | 640 | 615 |
| 7.5° | 841 | 827 | 813 | 796 | 777 | 756 | 732 | 706 | 678 | 652 | 625 |
| 6.25° | 853 | 841 | 825 | 808 | 789 | 768 | 745 | 718 | 690 | 662 | 634 |
| 5° | 863 | 851 | 836 | 818 | 799 | 778 | 754 | 729 | 699 | 671 | 643 |
| 3.75° | 868 | 859 | 844 | 826 | 807 | 786 | 762 | 736 | 707 | 678 | 649 |
| 2.5° | 871 | 864 | 850 | 832 | 812 | 791 | 768 | 742 | 713 | 683 | 654 |
| 1.25° | 871 | 866 | 853 | 836 | 816 | 794 | 771 | 745 | 716 | 686 | 656 |
| 0° | 871 | 867 | 854 | 837 | 817 | 796 | 772 | 746 | 718 | 687 | 657 |
| -1.25° | 871 | 866 | 853 | 836 | 816 | 794 | 771 | 745 | 716 | 686 | 656 |
| -2.5° | 871 | 864 | 850 | 832 | 812 | 791 | 768 | 742 | 713 | 683 | 654 |
| -3.75° | 868 | 859 | 844 | 826 | 807 | 786 | 762 | 736 | 707 | 678 | 649 |
| -5° | 863 | 851 | 836 | 818 | 799 | 778 | 754 | 729 | 699 | 671 | 643 |
| -6.25° | 853 | 841 | 825 | 808 | 789 | 768 | 745 | 718 | 690 | 662 | 634 |
| -7.5° | 841 | 827 | 813 | 796 | 777 | 756 | 732 | 706 | 678 | 652 | 625 |
| -8.75° | 825 | 813 | 798 | 781 | 763 | 741 | 718 | 691 | 665 | 640 | 615 |
| -10° | 808 | 796 | 781 | 765 | 746 | 725 | 700 | 676 | 651 | 626 | 603 |
| -11.25° | 789 | 777 | 763 | 746 | 727 | 705 | 682 | 659 | 636 | 613 | 589 |
| -12.5° | 768 | 756 | 741 | 725 | 705 | 684 | 663 | 641 | 619 | 598 | 575 |
| -13.75° | 745 | 732 | 718 | 700 | 682 | 663 | 643 | 623 | 603 | 581 | 559 |
| -15° | 718 | 706 | 691 | 676 | 659 | 641 | 623 | 604 | 585 | 564 | 543 |
| -16.25° | 690 | 678 | 665 | 651 | 636 | 619 | 603 | 585 | 565 | 546 | 526 |
| -17.5° | 662 | 652 | 640 | 626 | 613 | 598 | 581 | 564 | 546 | 527 | 508 |
| -18.75° | 634 | 625 | 615 | 603 | 589 | 575 | 559 | 543 | 526 | 508 | 490 |
| -20° | 608 | 600 | 589 | 578 | 565 | 552 | 537 | 521 | 505 | 488 | 470 |
| -21.25° | 582 | 573 | 564 | 553 | 541 | 528 | 514 | 500 | 484 | 467 | 448 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 555 | 547 | 538 | 528 | 517 | 505 | 492 | 477 | 461 | 443 | 425 |
| -23.75° | 528 | 521 | 512 | 503 | 493 | 481 | 467 | 452 | 436 | 419 | 400 |
| -25° | 502 | 495 | 487 | 478 | 467 | 455 | 441 | 426 | 410 | 392 | 372 |
| -26.25° | 475 | 468 | 459 | 450 | 439 | 427 | 413 | 398 | 381 | 363 | 345 |
| -27.5° | 445 | 438 | 430 | 421 | 409 | 397 | 383 | 368 | 352 | 334 | 317 |
| -28.75° | 414 | 407 | 399 | 389 | 378 | 365 | 352 | 337 | 322 | 306 | 290 |
| -30° | 381 | 374 | 365 | 356 | 345 | 333 | 320 | 307 | 294 | 279 | 263 |
| -31.25° | 346 | 339 | 331 | 322 | 313 | 302 | 291 | 278 | 265 | 252 | 240 |
| -32.5° | 313 | 307 | 299 | 291 | 282 | 272 | 261 | 251 | 240 | 228 | 216 |
| -33.75° | 280 | 275 | 268 | 260 | 253 | 244 | 235 | 226 | 215 | 204 | 194 |
| -35° | 250 | 245 | 240 | 233 | 226 | 218 | 210 | 201 | 193 | 184 | 174 |
| -36.25° | 223 | 218 | 213 | 207 | 201 | 194 | 187 | 180 | 171 | 163 | 154 |
| -37.5° | 197 | 193 | 189 | 184 | 178 | 172 | 165 | 158 | 151 | 145 | 137 |
| -38.75° | 173 | 170 | 166 | 161 | 156 | 151 | 146 | 140 | 134 | 128 | 121 |
| -40° | 151 | 149 | 145 | 142 | 138 | 133 | 128 | 123 | 117 | 112 | 107 |
| -41.25° | 132 | 130 | 127 | 123 | 119 | 116 | 112 | 108 | 103 | 98 | 93 |
| -42.5° | 115 | 113 | 110 | 108 | 104 | 101 | 97 | 93 | 89 | 85 | 81 |
| -43.75° | 99 | 97 | 95 | 93 | 90 | 87 | 84 | 81 | 78 | 74 | 70 |
| -45° | 85 | 84 | 82 | 80 | 78 | 75 | 73 | 70 | 67 | 63 | 61 |
| -46.25° | 73 | 72 | 70 | 68 | 66 | 64 | 62 | 60 | 58 | 55 | 53 |
| -47.5° | 62 | 61 | 60 | 59 | 57 | 56 | 54 | 52 | 50 | 47 | 45 |
| -48.75° | 53 | 52 | 51 | 50 | 49 | 47 | 46 | 44 | 43 | 41 | 39 |
| -50° | 45 | 45 | 44 | 43 | 42 | 41 | 39 | 38 | 37 | 35 | 33 |
| -51.25° | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 |
| -52.5° | 32 | 32 | 31 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 |
| -53.75° | 27 | 27 | 26 | 26 | 25 | 24 | 24 | 23 | 22 | 21 | 20 |
| -55° | 23 | 22 | 22 | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 17 |
| -56.25° | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 16 | 15 | 15 | 14 |
| -57.5° | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13 | 13 | 12 | 12 |
| -58.75° | 13 | 13 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 10 |
| -60° | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 |
| -61.25° | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| -62.5° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| -63.75° | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| -65° | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -66.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -68.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -70° | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| 62.5° | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |
| 61.25° | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 60° | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 |
| 58.75° | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| 57.5° | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 |
| 56.25° | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 10 | 9 | 9 | 8 |
| 55° | 16 | 15 | 15 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 |
| 53.75° | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 12 | 11 |
| 52.5° | 23 | 22 | 21 | 20 | 19 | 18 | 16 | 15 | 14 | 14 | 13 |
| 51.25° | 27 | 26 | 25 | 23 | 22 | 21 | 19 | 18 | 17 | 16 | 15 |
| 50° | 32 | 31 | 29 | 27 | 26 | 24 | 23 | 21 | 20 | 18 | 17 |
| 48.75° | 38 | 36 | 33 | 32 | 30 | 28 | 26 | 25 | 23 | 21 | 20 |
| 47.5° | 44 | 41 | 39 | 37 | 35 | 32 | 31 | 29 | 27 | 24 | 23 |
| 46.25° | 50 | 48 | 45 | 43 | 40 | 38 | 35 | 33 | 30 | 28 | 26 |
| 45° | 58 | 55 | 52 | 49 | 46 | 43 | 41 | 38 | 35 | 32 | 30 |
| 43.75° | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 40 | 37 | 33 |
| 42.5° | 77 | 73 | 68 | 64 | 60 | 56 | 53 | 49 | 45 | 42 | 38 |
| 41.25° | 88 | 83 | 79 | 74 | 68 | 63 | 59 | 55 | 51 | 47 | 43 |
| 40° | 101 | 95 | 89 | 84 | 78 | 73 | 67 | 62 | 58 | 53 | 48 |
| 38.75° | 114 | 108 | 102 | 95 | 88 | 82 | 76 | 70 | 64 | 59 | 55 |
| 37.5° | 130 | 122 | 115 | 108 | 100 | 93 | 86 | 79 | 73 | 66 | 61 |
| 36.25° | 146 | 138 | 129 | 120 | 112 | 105 | 97 | 88 | 82 | 75 | 68 |
| 35° | 164 | 154 | 145 | 136 | 126 | 116 | 108 | 99 | 91 | 83 | 76 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 184 | 173 | 161 | 151 | 141 | 130 | 119 | 110 | 101 | 92 | 84 |
| 32.5° | 203 | 192 | 180 | 167 | 155 | 144 | 133 | 122 | 112 | 102 | 93 |
| 31.25° | 226 | 212 | 199 | 186 | 172 | 159 | 147 | 135 | 123 | 112 | 102 |
| 30° | 249 | 234 | 219 | 204 | 190 | 176 | 161 | 148 | 136 | 123 | 112 |
| 28.75° | 273 | 256 | 241 | 224 | 207 | 192 | 177 | 162 | 148 | 135 | 122 |
| 27.5° | 299 | 281 | 262 | 245 | 227 | 210 | 193 | 177 | 161 | 147 | 133 |
| 26.25° | 325 | 306 | 286 | 265 | 247 | 228 | 210 | 192 | 176 | 159 | 144 |
| 25° | 352 | 331 | 310 | 289 | 267 | 247 | 227 | 207 | 190 | 172 | 155 |
| 23.75° | 378 | 356 | 333 | 311 | 289 | 265 | 245 | 224 | 204 | 186 | 167 |
| 22.5° | 404 | 381 | 358 | 333 | 310 | 286 | 262 | 241 | 219 | 199 | 180 |
| 21.25° | 427 | 405 | 381 | 356 | 331 | 306 | 281 | 256 | 234 | 212 | 192 |
| 20° | 449 | 427 | 404 | 378 | 352 | 325 | 299 | 273 | 249 | 226 | 203 |
| 18.75° | 470 | 448 | 425 | 400 | 372 | 345 | 317 | 290 | 263 | 240 | 216 |
| 17.5° | 488 | 467 | 443 | 419 | 392 | 363 | 334 | 306 | 279 | 252 | 228 |
| 16.25° | 505 | 484 | 461 | 436 | 410 | 381 | 352 | 322 | 294 | 265 | 240 |
| 15° | 521 | 500 | 477 | 452 | 426 | 398 | 368 | 337 | 307 | 278 | 251 |
| 13.75° | 537 | 514 | 492 | 467 | 441 | 413 | 383 | 352 | 320 | 291 | 261 |
| 12.5° | 552 | 528 | 505 | 481 | 455 | 427 | 397 | 365 | 333 | 302 | 272 |
| 11.25° | 565 | 541 | 517 | 493 | 467 | 439 | 409 | 378 | 345 | 313 | 282 |
| 10° | 578 | 553 | 528 | 503 | 478 | 450 | 421 | 389 | 356 | 322 | 291 |
| 8.75° | 589 | 564 | 538 | 512 | 487 | 459 | 430 | 399 | 365 | 331 | 299 |
| 7.5° | 600 | 573 | 547 | 521 | 495 | 468 | 438 | 407 | 374 | 339 | 307 |
| 6.25° | 608 | 582 | 555 | 528 | 502 | 475 | 445 | 414 | 381 | 346 | 313 |
| 5° | 615 | 588 | 561 | 534 | 507 | 480 | 451 | 420 | 387 | 352 | 318 |
| 3.75° | 621 | 594 | 566 | 539 | 512 | 485 | 455 | 425 | 391 | 356 | 322 |
| 2.5° | 625 | 598 | 570 | 543 | 515 | 488 | 459 | 428 | 395 | 359 | 324 |
| 1.25° | 627 | 600 | 572 | 545 | 517 | 489 | 460 | 430 | 397 | 361 | 326 |
| 0° | 628 | 601 | 573 | 545 | 517 | 490 | 461 | 430 | 397 | 362 | 327 |
| -1.25° | 627 | 600 | 572 | 545 | 517 | 489 | 460 | 430 | 397 | 361 | 326 |
| -2.5° | 625 | 598 | 570 | 543 | 515 | 488 | 459 | 428 | 395 | 359 | 324 |
| -3.75° | 621 | 594 | 566 | 539 | 512 | 485 | 455 | 425 | 391 | 356 | 322 |
| -5° | 615 | 588 | 561 | 534 | 507 | 480 | 451 | 420 | 387 | 352 | 318 |
| -6.25° | 608 | 582 | 555 | 528 | 502 | 475 | 445 | 414 | 381 | 346 | 313 |
| -7.5° | 600 | 573 | 547 | 521 | 495 | 468 | 438 | 407 | 374 | 339 | 307 |
| -8.75° | 589 | 564 | 538 | 512 | 487 | 459 | 430 | 399 | 365 | 331 | 299 |
| -10° | 578 | 553 | 528 | 503 | 478 | 450 | 421 | 389 | 356 | 322 | 291 |
| -11.25° | 565 | 541 | 517 | 493 | 467 | 439 | 409 | 378 | 345 | 313 | 282 |
| -12.5° | 552 | 528 | 505 | 481 | 455 | 427 | 397 | 365 | 333 | 302 | 272 |
| -13.75° | 537 | 514 | 492 | 467 | 441 | 413 | 383 | 352 | 320 | 291 | 261 |
| -15° | 521 | 500 | 477 | 452 | 426 | 398 | 368 | 337 | 307 | 278 | 251 |
| -16.25° | 505 | 484 | 461 | 436 | 410 | 381 | 352 | 322 | 294 | 265 | 240 |
| -17.5° | 488 | 467 | 443 | 419 | 392 | 363 | 334 | 306 | 279 | 252 | 228 |
| -18.75° | 470 | 448 | 425 | 400 | 372 | 345 | 317 | 290 | 263 | 240 | 216 |
| -20° | 449 | 427 | 404 | 378 | 352 | 325 | 299 | 273 | 249 | 226 | 203 |
| -21.25° | 427 | 405 | 381 | 356 | 331 | 306 | 281 | 256 | 234 | 212 | 192 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 404 | 381 | 358 | 333 | 310 | 286 | 262 | 241 | 219 | 199 | 180 |
| -23.75° | 378 | 356 | 333 | 311 | 289 | 265 | 245 | 224 | 204 | 186 | 167 |
| -25° | 352 | 331 | 310 | 289 | 267 | 247 | 227 | 207 | 190 | 172 | 155 |
| -26.25° | 325 | 306 | 286 | 265 | 247 | 228 | 210 | 192 | 176 | 159 | 144 |
| -27.5° | 299 | 281 | 262 | 245 | 227 | 210 | 193 | 177 | 161 | 147 | 133 |
| -28.75° | 273 | 256 | 241 | 224 | 207 | 192 | 177 | 162 | 148 | 135 | 122 |
| -30° | 249 | 234 | 219 | 204 | 190 | 176 | 161 | 148 | 136 | 123 | 112 |
| -31.25° | 226 | 212 | 199 | 186 | 172 | 159 | 147 | 135 | 123 | 112 | 102 |
| -32.5° | 203 | 192 | 180 | 167 | 155 | 144 | 133 | 122 | 112 | 102 | 93 |
| -33.75° | 184 | 173 | 161 | 151 | 141 | 130 | 119 | 110 | 101 | 92 | 84 |
| -35° | 164 | 154 | 145 | 136 | 126 | 116 | 108 | 99 | 91 | 83 | 76 |
| -36.25° | 146 | 138 | 129 | 120 | 112 | 105 | 97 | 88 | 82 | 75 | 68 |
| -37.5° | 130 | 122 | 115 | 108 | 100 | 93 | 86 | 79 | 73 | 66 | 61 |
| -38.75° | 114 | 108 | 102 | 95 | 88 | 82 | 76 | 70 | 64 | 59 | 55 |
| -40° | 101 | 95 | 89 | 84 | 78 | 73 | 67 | 62 | 58 | 53 | 48 |
| -41.25° | 88 | 83 | 79 | 74 | 68 | 63 | 59 | 55 | 51 | 47 | 43 |
| -42.5° | 77 | 73 | 68 | 64 | 60 | 56 | 53 | 49 | 45 | 42 | 38 |
| -43.75° | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 40 | 37 | 33 |
| -45° | 58 | 55 | 52 | 49 | 46 | 43 | 41 | 38 | 35 | 32 | 30 |
| -46.25° | 50 | 48 | 45 | 43 | 40 | 38 | 35 | 33 | 30 | 28 | 26 |
| -47.5° | 44 | 41 | 39 | 37 | 35 | 32 | 31 | 29 | 27 | 24 | 23 |
| -48.75° | 38 | 36 | 33 | 32 | 30 | 28 | 26 | 25 | 23 | 21 | 20 |
| -50° | 32 | 31 | 29 | 27 | 26 | 24 | 23 | 21 | 20 | 18 | 17 |
| -51.25° | 27 | 26 | 25 | 23 | 22 | 21 | 19 | 18 | 17 | 16 | 15 |
| -52.5° | 23 | 22 | 21 | 20 | 19 | 18 | 16 | 15 | 14 | 14 | 13 |
| -53.75° | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 12 | 11 |
| -55° | 16 | 15 | 15 | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 |
| -56.25° | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 10 | 9 | 9 | 8 |
| -57.5° | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 |
| -58.75° | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| -60° | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 |
| -61.25° | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -62.5° | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 |
| -63.75° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 |
| -65° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -68.75° | 2 | 2 | 2 | 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 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 66.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 65° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 62.5° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 61.25° | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 60° | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 58.75° | 6 | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| 57.5° | 7 | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 2 |
| 56.25° | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| 55° | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 3 |
| 53.75° | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 |
| 52.5° | 12 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 5 |
| 51.25° | 14 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 7 | 6 | 6 |
| 50° | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 9 | 8 | 7 | 6 |
| 48.75° | 18 | 16 | 15 | 14 | 13 | 11 | 10 | 10 | 9 | 8 | 7 |
| 47.5° | 21 | 19 | 17 | 16 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
| 46.25° | 24 | 22 | 20 | 18 | 16 | 15 | 13 | 12 | 11 | 10 | 9 |
| 45° | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 14 | 12 | 11 | 10 |
| 43.75° | 31 | 28 | 26 | 23 | 21 | 19 | 17 | 15 | 14 | 12 | 11 |
| 42.5° | 35 | 32 | 29 | 26 | 24 | 21 | 19 | 17 | 15 | 14 | 12 |
| 41.25° | 40 | 36 | 33 | 30 | 27 | 24 | 22 | 19 | 17 | 15 | 13 |
| 40° | 44 | 41 | 37 | 33 | 30 | 27 | 24 | 21 | 19 | 17 | 15 |
| 38.75° | 50 | 45 | 41 | 37 | 33 | 30 | 27 | 24 | 21 | 19 | 16 |
| 37.5° | 56 | 50 | 46 | 41 | 37 | 33 | 30 | 26 | 23 | 21 | 18 |
| 36.25° | 61 | 56 | 51 | 46 | 41 | 37 | 33 | 29 | 26 | 23 | 20 |
| 35° | 68 | 62 | 56 | 50 | 45 | 41 | 36 | 32 | 28 | 25 | 22 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 76 | 68 | 61 | 56 | 50 | 44 | 40 | 35 | 31 | 27 | 24 |
| 32.5° | 84 | 76 | 68 | 61 | 55 | 48 | 43 | 38 | 33 | 30 | 26 |
| 31.25° | 92 | 83 | 75 | 66 | 59 | 53 | 47 | 42 | 37 | 32 | 28 |
| 30° | 101 | 91 | 82 | 73 | 64 | 58 | 51 | 45 | 40 | 35 | 30 |
| 28.75° | 110 | 99 | 88 | 79 | 70 | 62 | 55 | 49 | 43 | 38 | 33 |
| 27.5° | 119 | 108 | 97 | 86 | 76 | 67 | 59 | 53 | 46 | 41 | 35 |
| 26.25° | 130 | 116 | 105 | 93 | 82 | 73 | 63 | 56 | 49 | 43 | 38 |
| 25° | 141 | 126 | 112 | 100 | 88 | 78 | 68 | 60 | 53 | 46 | 40 |
| 23.75° | 151 | 136 | 120 | 108 | 95 | 84 | 74 | 64 | 56 | 49 | 43 |
| 22.5° | 161 | 145 | 129 | 115 | 102 | 89 | 79 | 68 | 60 | 52 | 45 |
| 21.25° | 173 | 154 | 138 | 122 | 108 | 95 | 83 | 73 | 63 | 55 | 48 |
| 20° | 184 | 164 | 146 | 130 | 114 | 101 | 88 | 77 | 67 | 58 | 50 |
| 18.75° | 194 | 174 | 154 | 137 | 121 | 107 | 93 | 81 | 70 | 61 | 53 |
| 17.5° | 204 | 184 | 163 | 145 | 128 | 112 | 98 | 85 | 74 | 63 | 55 |
| 16.25° | 215 | 193 | 171 | 151 | 134 | 117 | 103 | 89 | 78 | 67 | 58 |
| 15° | 226 | 201 | 180 | 158 | 140 | 123 | 108 | 93 | 81 | 70 | 60 |
| 13.75° | 235 | 210 | 187 | 165 | 146 | 128 | 112 | 97 | 84 | 73 | 62 |
| 12.5° | 244 | 218 | 194 | 172 | 151 | 133 | 116 | 101 | 87 | 75 | 64 |
| 11.25° | 253 | 226 | 201 | 178 | 156 | 138 | 119 | 104 | 90 | 78 | 66 |
| 10° | 260 | 233 | 207 | 184 | 161 | 142 | 123 | 108 | 93 | 80 | 68 |
| 8.75° | 268 | 240 | 213 | 189 | 166 | 145 | 127 | 110 | 95 | 82 | 70 |
| 7.5° | 275 | 245 | 218 | 193 | 170 | 149 | 130 | 113 | 97 | 84 | 72 |
| 6.25° | 280 | 250 | 223 | 197 | 173 | 151 | 132 | 115 | 99 | 85 | 73 |
| 5° | 285 | 254 | 226 | 200 | 176 | 153 | 134 | 116 | 101 | 86 | 74 |
| 3.75° | 289 | 257 | 229 | 202 | 178 | 155 | 136 | 117 | 102 | 87 | 75 |
| 2.5° | 292 | 259 | 231 | 204 | 180 | 156 | 137 | 118 | 103 | 88 | 76 |
| 1.25° | 293 | 260 | 232 | 205 | 181 | 157 | 138 | 119 | 104 | 88 | 76 |
| 0° | 294 | 261 | 233 | 205 | 181 | 157 | 138 | 119 | 104 | 88 | 76 |
| -1.25° | 293 | 260 | 232 | 205 | 181 | 157 | 138 | 119 | 104 | 88 | 76 |
| -2.5° | 292 | 259 | 231 | 204 | 180 | 156 | 137 | 118 | 103 | 88 | 76 |
| -3.75° | 289 | 257 | 229 | 202 | 178 | 155 | 136 | 117 | 102 | 87 | 75 |
| -5° | 285 | 254 | 226 | 200 | 176 | 153 | 134 | 116 | 101 | 86 | 74 |
| -6.25° | 280 | 250 | 223 | 197 | 173 | 151 | 132 | 115 | 99 | 85 | 73 |
| -7.5° | 275 | 245 | 218 | 193 | 170 | 149 | 130 | 113 | 97 | 84 | 72 |
| -8.75° | 268 | 240 | 213 | 189 | 166 | 145 | 127 | 110 | 95 | 82 | 70 |
| -10° | 260 | 233 | 207 | 184 | 161 | 142 | 123 | 108 | 93 | 80 | 68 |
| -11.25° | 253 | 226 | 201 | 178 | 156 | 138 | 119 | 104 | 90 | 78 | 66 |
| -12.5° | 244 | 218 | 194 | 172 | 151 | 133 | 116 | 101 | 87 | 75 | 64 |
| -13.75° | 235 | 210 | 187 | 165 | 146 | 128 | 112 | 97 | 84 | 73 | 62 |
| -15° | 226 | 201 | 180 | 158 | 140 | 123 | 108 | 93 | 81 | 70 | 60 |
| -16.25° | 215 | 193 | 171 | 151 | 134 | 117 | 103 | 89 | 78 | 67 | 58 |
| -17.5° | 204 | 184 | 163 | 145 | 128 | 112 | 98 | 85 | 74 | 63 | 55 |
| -18.75° | 194 | 174 | 154 | 137 | 121 | 107 | 93 | 81 | 70 | 61 | 53 |
| -20° | 184 | 164 | 146 | 130 | 114 | 101 | 88 | 77 | 67 | 58 | 50 |
| -21.25° | 173 | 154 | 138 | 122 | 108 | 95 | 83 | 73 | 63 | 55 | 48 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 161 | 145 | 129 | 115 | 102 | 89 | 79 | 68 | 60 | 52 | 45 |
| -23.75° | 151 | 136 | 120 | 108 | 95 | 84 | 74 | 64 | 56 | 49 | 43 |
| -25° | 141 | 126 | 112 | 100 | 88 | 78 | 68 | 60 | 53 | 46 | 40 |
| -26.25° | 130 | 116 | 105 | 93 | 82 | 73 | 63 | 56 | 49 | 43 | 38 |
| -27.5° | 119 | 108 | 97 | 86 | 76 | 67 | 59 | 53 | 46 | 41 | 35 |
| -28.75° | 110 | 99 | 88 | 79 | 70 | 62 | 55 | 49 | 43 | 38 | 33 |
| -30° | 101 | 91 | 82 | 73 | 64 | 58 | 51 | 45 | 40 | 35 | 30 |
| -31.25° | 92 | 83 | 75 | 66 | 59 | 53 | 47 | 42 | 37 | 32 | 28 |
| -32.5° | 84 | 76 | 68 | 61 | 55 | 48 | 43 | 38 | 33 | 30 | 26 |
| -33.75° | 76 | 68 | 61 | 56 | 50 | 44 | 40 | 35 | 31 | 27 | 24 |
| -35° | 68 | 62 | 56 | 50 | 45 | 41 | 36 | 32 | 28 | 25 | 22 |
| -36.25° | 61 | 56 | 51 | 46 | 41 | 37 | 33 | 29 | 26 | 23 | 20 |
| -37.5° | 56 | 50 | 46 | 41 | 37 | 33 | 30 | 26 | 23 | 21 | 18 |
| -38.75° | 50 | 45 | 41 | 37 | 33 | 30 | 27 | 24 | 21 | 19 | 16 |
| -40° | 44 | 41 | 37 | 33 | 30 | 27 | 24 | 21 | 19 | 17 | 15 |
| -41.25° | 40 | 36 | 33 | 30 | 27 | 24 | 22 | 19 | 17 | 15 | 13 |
| -42.5° | 35 | 32 | 29 | 26 | 24 | 21 | 19 | 17 | 15 | 14 | 12 |
| -43.75° | 31 | 28 | 26 | 23 | 21 | 19 | 17 | 15 | 14 | 12 | 11 |
| -45° | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 14 | 12 | 11 | 10 |
| -46.25° | 24 | 22 | 20 | 18 | 16 | 15 | 13 | 12 | 11 | 10 | 9 |
| -47.5° | 21 | 19 | 17 | 16 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
| -48.75° | 18 | 16 | 15 | 14 | 13 | 11 | 10 | 10 | 9 | 8 | 7 |
| -50° | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 9 | 8 | 7 | 6 |
| -51.25° | 14 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 7 | 6 | 6 |
| -52.5° | 12 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 5 |
| -53.75° | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 |
| -55° | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 3 |
| -56.25° | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 3 |
| -57.5° | 7 | 6 | 6 | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 2 |
| -58.75° | 6 | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| -60° | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| -61.25° | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| -62.5° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -65° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -68.75° | 1 | 1 | 1 | 1 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61.25° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 58.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 57.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 56.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 55° | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 53.75° | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 52.5° | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 51.25° | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 50° | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 48.75° | 6 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 1 |
| 47.5° | 7 | 6 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 |
| 46.25° | 8 | 7 | 6 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 |
| 45° | 9 | 8 | 7 | 6 | 5 | 5 | 4 | 3 | 2 | 2 | 2 |
| 43.75° | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 |
| 42.5° | 11 | 10 | 9 | 7 | 7 | 6 | 5 | 4 | 3 | 2 | 2 |
| 41.25° | 12 | 10 | 9 | 8 | 7 | 6 | 6 | 5 | 4 | 3 | 2 |
| 40° | 13 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 3 |
| 38.75° | 14 | 13 | 11 | 10 | 9 | 7 | 7 | 6 | 5 | 4 | 3 |
| 37.5° | 16 | 14 | 12 | 11 | 9 | 8 | 7 | 6 | 5 | 4 | 3 |
| 36.25° | 17 | 15 | 13 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 |
| 35° | 19 | 16 | 14 | 12 | 11 | 9 | 8 | 7 | 6 | 5 | 4 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 21 | 18 | 15 | 14 | 12 | 10 | 9 | 8 | 7 | 6 | 5 |
| 32.5° | 23 | 20 | 17 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 5 |
| 31.25° | 24 | 21 | 18 | 16 | 14 | 12 | 10 | 9 | 7 | 6 | 5 |
| 30° | 27 | 23 | 20 | 17 | 14 | 12 | 11 | 9 | 8 | 7 | 6 |
| 28.75° | 29 | 25 | 21 | 18 | 15 | 13 | 11 | 10 | 8 | 7 | 6 |
| 27.5° | 31 | 26 | 23 | 19 | 16 | 14 | 12 | 10 | 9 | 7 | 6 |
| 26.25° | 32 | 28 | 24 | 21 | 18 | 15 | 13 | 11 | 9 | 8 | 7 |
| 25° | 35 | 30 | 26 | 22 | 19 | 16 | 13 | 11 | 10 | 8 | 7 |
| 23.75° | 37 | 32 | 27 | 23 | 20 | 17 | 14 | 12 | 10 | 9 | 7 |
| 22.5° | 39 | 33 | 29 | 25 | 21 | 18 | 15 | 13 | 10 | 9 | 8 |
| 21.25° | 41 | 36 | 31 | 26 | 22 | 19 | 15 | 13 | 11 | 9 | 8 |
| 20° | 44 | 38 | 32 | 27 | 23 | 20 | 16 | 14 | 11 | 10 | 8 |
| 18.75° | 45 | 39 | 33 | 29 | 24 | 20 | 17 | 14 | 12 | 10 | 9 |
| 17.5° | 47 | 41 | 35 | 30 | 25 | 21 | 18 | 15 | 12 | 10 | 9 |
| 16.25° | 50 | 43 | 37 | 31 | 26 | 22 | 19 | 15 | 13 | 11 | 9 |
| 15° | 52 | 44 | 38 | 32 | 27 | 23 | 19 | 16 | 13 | 11 | 9 |
| 13.75° | 54 | 46 | 39 | 33 | 28 | 24 | 20 | 16 | 14 | 11 | 10 |
| 12.5° | 56 | 47 | 41 | 34 | 29 | 24 | 20 | 17 | 14 | 12 | 10 |
| 11.25° | 57 | 49 | 42 | 35 | 30 | 25 | 21 | 17 | 14 | 12 | 10 |
| 10° | 59 | 50 | 43 | 36 | 31 | 26 | 21 | 18 | 15 | 12 | 10 |
| 8.75° | 60 | 51 | 44 | 37 | 31 | 26 | 22 | 18 | 15 | 12 | 10 |
| 7.5° | 61 | 52 | 45 | 38 | 32 | 27 | 22 | 19 | 15 | 13 | 10 |
| 6.25° | 62 | 53 | 45 | 39 | 32 | 27 | 23 | 19 | 15 | 13 | 11 |
| 5° | 63 | 54 | 46 | 39 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| 3.75° | 63 | 55 | 46 | 39 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| 2.5° | 64 | 55 | 46 | 40 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| 1.25° | 64 | 55 | 47 | 40 | 33 | 28 | 23 | 20 | 16 | 13 | 11 |
| 0° | 64 | 55 | 47 | 40 | 33 | 28 | 23 | 20 | 16 | 13 | 11 |
| -1.25° | 64 | 55 | 47 | 40 | 33 | 28 | 23 | 20 | 16 | 13 | 11 |
| -2.5° | 64 | 55 | 46 | 40 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| -3.75° | 63 | 55 | 46 | 39 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| -5° | 63 | 54 | 46 | 39 | 33 | 28 | 23 | 19 | 16 | 13 | 11 |
| -6.25° | 62 | 53 | 45 | 39 | 32 | 27 | 23 | 19 | 15 | 13 | 11 |
| -7.5° | 61 | 52 | 45 | 38 | 32 | 27 | 22 | 19 | 15 | 13 | 10 |
| -8.75° | 60 | 51 | 44 | 37 | 31 | 26 | 22 | 18 | 15 | 12 | 10 |
| -10° | 59 | 50 | 43 | 36 | 31 | 26 | 21 | 18 | 15 | 12 | 10 |
| -11.25° | 57 | 49 | 42 | 35 | 30 | 25 | 21 | 17 | 14 | 12 | 10 |
| -12.5° | 56 | 47 | 41 | 34 | 29 | 24 | 20 | 17 | 14 | 12 | 10 |
| -13.75° | 54 | 46 | 39 | 33 | 28 | 24 | 20 | 16 | 14 | 11 | 10 |
| -15° | 52 | 44 | 38 | 32 | 27 | 23 | 19 | 16 | 13 | 11 | 9 |
| -16.25° | 50 | 43 | 37 | 31 | 26 | 22 | 19 | 15 | 13 | 11 | 9 |
| -17.5° | 47 | 41 | 35 | 30 | 25 | 21 | 18 | 15 | 12 | 10 | 9 |
| -18.75° | 45 | 39 | 33 | 29 | 24 | 20 | 17 | 14 | 12 | 10 | 9 |
| -20° | 44 | 38 | 32 | 27 | 23 | 20 | 16 | 14 | 11 | 10 | 8 |
| -21.25° | 41 | 36 | 31 | 26 | 22 | 19 | 15 | 13 | 11 | 9 | 8 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 39 | 33 | 29 | 25 | 21 | 18 | 15 | 13 | 10 | 9 | 8 |
| -23.75° | 37 | 32 | 27 | 23 | 20 | 17 | 14 | 12 | 10 | 9 | 7 |
| -25° | 35 | 30 | 26 | 22 | 19 | 16 | 13 | 11 | 10 | 8 | 7 |
| -26.25° | 32 | 28 | 24 | 21 | 18 | 15 | 13 | 11 | 9 | 8 | 7 |
| -27.5° | 31 | 26 | 23 | 19 | 16 | 14 | 12 | 10 | 9 | 7 | 6 |
| -28.75° | 29 | 25 | 21 | 18 | 15 | 13 | 11 | 10 | 8 | 7 | 6 |
| -30° | 27 | 23 | 20 | 17 | 14 | 12 | 11 | 9 | 8 | 7 | 6 |
| -31.25° | 24 | 21 | 18 | 16 | 14 | 12 | 10 | 9 | 7 | 6 | 5 |
| -32.5° | 23 | 20 | 17 | 15 | 13 | 11 | 9 | 8 | 7 | 6 | 5 |
| -33.75° | 21 | 18 | 15 | 14 | 12 | 10 | 9 | 8 | 7 | 6 | 5 |
| -35° | 19 | 16 | 14 | 12 | 11 | 9 | 8 | 7 | 6 | 5 | 4 |
| -36.25° | 17 | 15 | 13 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 |
| -37.5° | 16 | 14 | 12 | 11 | 9 | 8 | 7 | 6 | 5 | 4 | 3 |
| -38.75° | 14 | 13 | 11 | 10 | 9 | 7 | 7 | 6 | 5 | 4 | 3 |
| -40° | 13 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 3 |
| -41.25° | 12 | 10 | 9 | 8 | 7 | 6 | 6 | 5 | 4 | 3 | 2 |
| -42.5° | 11 | 10 | 9 | 7 | 7 | 6 | 5 | 4 | 3 | 2 | 2 |
| -43.75° | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 |
| -45° | 9 | 8 | 7 | 6 | 5 | 5 | 4 | 3 | 2 | 2 | 2 |
| -46.25° | 8 | 7 | 6 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 |
| -47.5° | 7 | 6 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 |
| -48.75° | 6 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 1 |
| -50° | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| -51.25° | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -52.5° | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -53.75° | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -55° | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -56.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -57.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -58.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -60° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -61.25° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -63.75° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 1 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48.75° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46.25° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45° | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43.75° | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41.25° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 40° | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 38.75° | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 37.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 36.25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 35° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 32.5° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 31.25° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 30° | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 28.75° | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 |
| 27.5° | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 26.25° | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 25° | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 23.75° | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 22.5° | 6 | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 21.25° | 7 | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 20° | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 18.75° | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 17.5° | 7 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| 16.25° | 8 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| 15° | 8 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| 13.75° | 8 | 7 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| 12.5° | 8 | 7 | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| 11.25° | 8 | 7 | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| 10° | 9 | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| 8.75° | 9 | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| 7.5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 6.25° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 3.75° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 2.5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 1.25° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 0° | 9 | 7 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 0 |
| -1.25° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -2.5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -3.75° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -6.25° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -7.5° | 9 | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| -8.75° | 9 | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| -10° | 9 | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| -11.25° | 8 | 7 | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| -12.5° | 8 | 7 | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 |
| -13.75° | 8 | 7 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| -15° | 8 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| -16.25° | 8 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| -17.5° | 7 | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |
| -18.75° | 7 | 6 | 5 | 4 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -20° | 7 | 6 | 5 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -21.25° | 7 | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 6 | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -23.75° | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -25° | 6 | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -26.25° | 6 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -27.5° | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -28.75° | 5 | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 |
| -30° | 5 | 4 | 3 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| -31.25° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| -32.5° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| -33.75° | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| -35° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -36.25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -37.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -38.75° | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -40° | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -41.25° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -43.75° | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -46.25° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -47.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -48.75° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -50° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -51.25° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -52.5° | 1 | 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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 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 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -23.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -26.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -27.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -28.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -30° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -31.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -32.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -35° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -41.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -43.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -46.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -48.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -51.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -53.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -56.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -58.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -61.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -63.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -66.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -68.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -71.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -73.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -76.25° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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: P220432 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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)