

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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

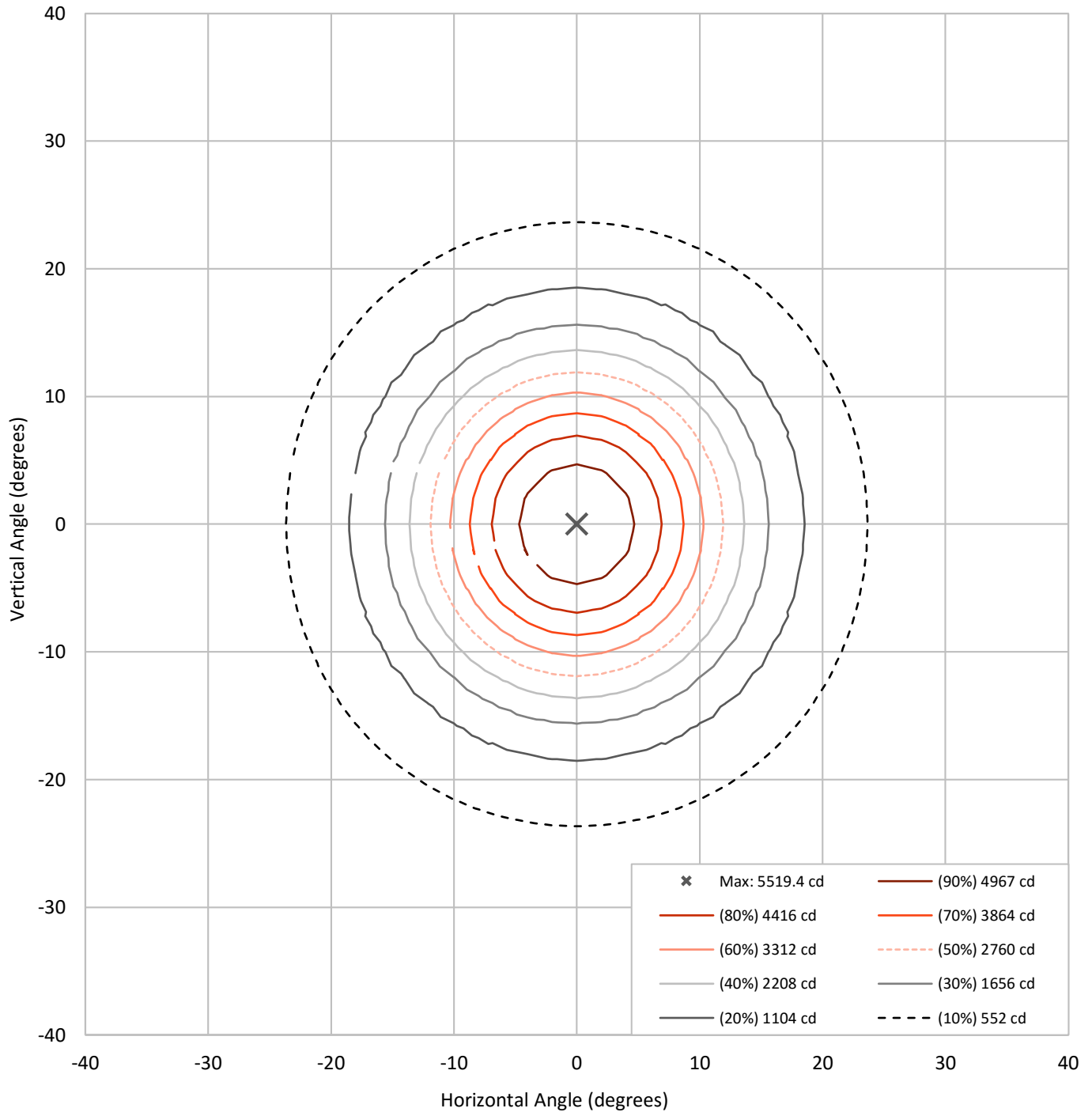
Test Method: LM-79-08
Report Number: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 4H x 4V |
| Luminaire Lumens: | 1150.2 lumens | Max Intensity: | 5519.4 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 57.2 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.25' x H: 0') | | |
| Beam Angle (50%): | 23.8°H x 23.8°V | Field Angle (10%): | 47.4°H x 47.4°V |
| Beam Lumens: | 539.9 lumens | Field Lumens: | 1036.7 lumens |
| Beam Efficiency: | 46.9% | Field Efficiency: | 90.1% |
| Input Watts (W): | 20.1 | | |
| Input Voltage (V): | 120 | | |
| Input Current (Ain): | NR | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | NR | | |
| Total Harmonic Distortion (THDi): | NR | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | NR | | |
| Operation Time: | NR | | |
| Ambient Temperature (°C): | NR | | |
| Test Distance: | 25 FT | | |

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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

Iso-Candela Plot





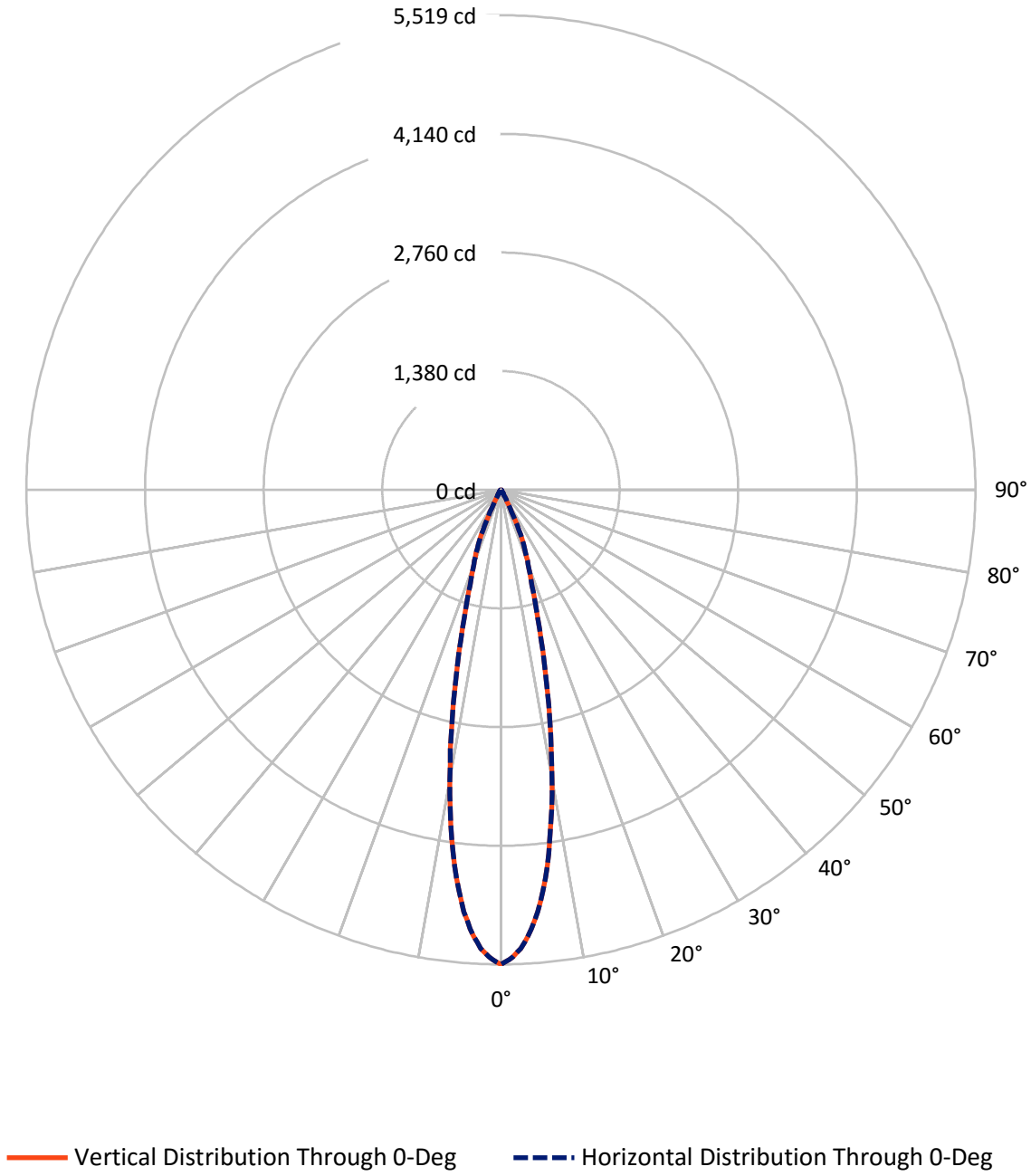
REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

Lumen Table

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|-------|-------|------|------|-----|-----|-----|-----|-----|-----|
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60 | | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | | | |
| 50 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40 | | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.6 | 1.0 | 1.0 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | | | |
| 30 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.9 | 4.5 | 11.5 | 11.5 | 4.5 | 0.9 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 20 | | 0.0 | 0.1 | 0.2 | 0.5 | 4.3 | 24.2 | 50.9 | 50.9 | 24.2 | 4.3 | 0.5 | 0.2 | 0.1 | | | |
| 10 | 0.0 | 0.0 | 0.1 | 0.2 | 0.8 | 10.6 | 49.5 | 124.3 | 124.3 | 49.5 | 10.6 | 0.8 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 0 | | 0.0 | 0.1 | 0.2 | 0.8 | 10.6 | 49.5 | 124.3 | 124.3 | 49.5 | 10.6 | 0.8 | 0.2 | 0.1 | | | |
| -10 | 0.0 | 0.0 | 0.1 | 0.2 | 0.8 | 10.6 | 49.5 | 124.3 | 124.3 | 49.5 | 10.6 | 0.8 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| -20 | | 0.0 | 0.1 | 0.2 | 0.5 | 4.3 | 24.2 | 50.9 | 50.9 | 24.2 | 4.3 | 0.5 | 0.2 | 0.1 | | | |
| -30 | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.9 | 4.5 | 11.5 | 11.5 | 4.5 | 0.9 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| -40 | | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.6 | 1.0 | 1.0 | 0.6 | 0.3 | 0.2 | 0.1 | 0.1 | | | |
| -50 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| -60 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| -70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| -80 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| -90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

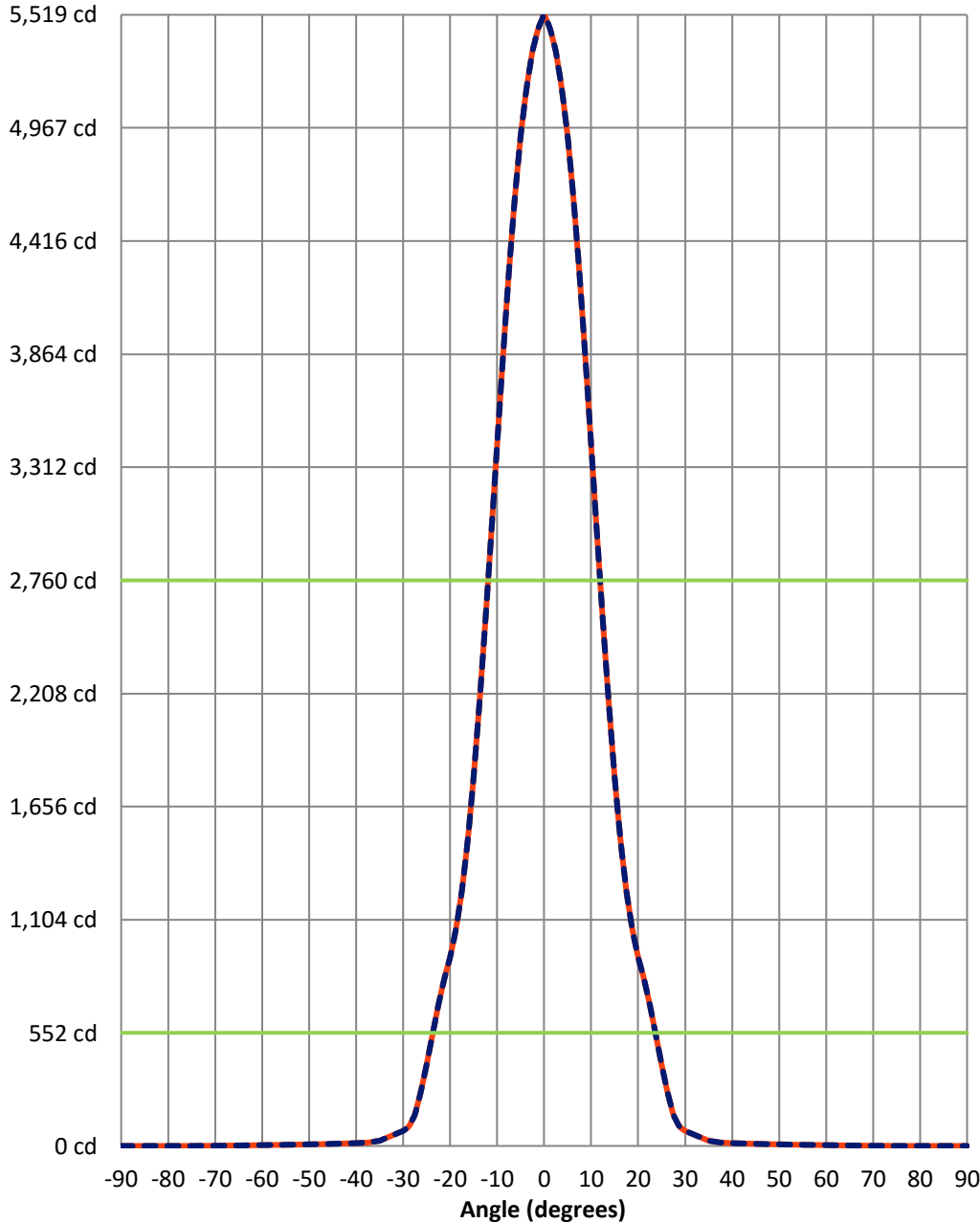
REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 23.8°
V Angle: 23.8°
Lumens: 539.9
Efficiency: 46.9%

Field:
H Angle: 47.4°
V Angle: 47.4°
Lumens: 1036.7
Efficiency: 90.1%

Spill:
Lumens: 113.5
Efficiency: 9.9%

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



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 |



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 |
| 38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 35° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 | 1 | 1 |
| 32.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31.25° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| 30° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| 28.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| 27.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 26.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 23.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 22.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 21.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 20° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 18.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 17.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 16.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 15° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 13.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 12.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 11.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 10° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 8.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 7.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 6.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 3.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 1.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 0° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -1.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -2.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -3.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -6.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -7.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -8.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -10° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| -11.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| -12.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| -13.75° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| -15° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -16.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -17.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -18.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -20° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -21.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 | 1 | 1 | 2 | 2 |
| -23.75° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -26.25° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -27.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -28.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| -30° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| -31.25° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 |
| -32.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -33.75° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -35° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -36.25° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -37.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -38.75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -40° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 |
| 57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 56.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 55° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 53.75° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 52.5° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 51.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 50° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 48.75° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 47.5° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 46.25° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| 45° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 43.75° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 42.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 41.25° | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 |
| 40° | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| 38.75° | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| 37.5° | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| 36.25° | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 35° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 |
| 32.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| 31.25° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| 30° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| 28.75° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| 27.5° | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| 26.25° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| 25° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| 23.75° | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| 22.5° | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| 21.25° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| 20° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |
| 18.75° | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |
| 17.5° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 |
| 16.25° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 |
| 15° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 |
| 13.75° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 |
| 12.5° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |
| 11.25° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |
| 10° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| 8.75° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| 7.5° | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| 6.25° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| 5° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| 3.75° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| 2.5° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| 1.25° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| 0° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -1.25° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -2.5° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -3.75° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -5° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -6.25° | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 8 |
| -7.5° | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| -8.75° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| -10° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 8 |
| -11.25° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |
| -12.5° | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |
| -13.75° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 |
| -15° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 |
| -16.25° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 |
| -17.5° | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 7 |
| -18.75° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |
| -20° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |
| -21.25° | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

| | -62.5° | -61.25° | -60° | -58.75° | -57.5° | -56.25° | -55° | -53.75° | -52.5° | -51.25° | -50° |
|---------|--------|---------|------|---------|--------|---------|------|---------|--------|---------|------|
| -22.5° | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| -23.75° | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |
| -25° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| -26.25° | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| -27.5° | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 |
| -28.75° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| -30° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |
| -31.25° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| -32.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| -33.75° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 |
| -35° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 |
| -36.25° | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| -37.5° | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| -38.75° | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| -40° | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| -41.25° | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 |
| -42.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| -43.75° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -45° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -46.25° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| -47.5° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| -48.75° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| -50° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -51.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -52.5° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -53.75° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -55° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -56.25° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -58.75° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 | 1 |
| 63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 61.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 60° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 58.75° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 57.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 56.25° | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| 55° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 53.75° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 |
| 52.5° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 51.25° | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 50° | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 48.75° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 47.5° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| 46.25° | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 45° | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| 43.75° | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 |
| 42.5° | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| 41.25° | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 40° | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| 38.75° | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 |
| 37.5° | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 |
| 36.25° | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| 35° | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 |
| 32.5° | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| 31.25° | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| 30° | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 10 |
| 28.75° | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 10 |
| 27.5° | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 |
| 26.25° | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 |
| 25° | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 |
| 23.75° | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 |
| 22.5° | 6 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 12 |
| 21.25° | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 |
| 20° | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 12 | 13 |
| 18.75° | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 13 |
| 17.5° | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 |
| 16.25° | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 15 |
| 15° | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 |
| 13.75° | 8 | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 |
| 12.5° | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 15 | 16 |
| 11.25° | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 |
| 10° | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 | 17 |
| 8.75° | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 | 18 |
| 7.5° | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 | 19 |
| 6.25° | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 13 | 15 | 16 | 20 |
| 5° | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 13 | 15 | 16 | 20 |
| 3.75° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| 2.5° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| 1.25° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| 0° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| -1.25° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| -2.5° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| -3.75° | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 | 21 |
| -5° | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 13 | 15 | 16 | 20 |
| -6.25° | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 13 | 15 | 16 | 20 |
| -7.5° | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 | 19 |
| -8.75° | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 | 18 |
| -10° | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 | 17 |
| -11.25° | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 17 |
| -12.5° | 8 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 15 | 16 |
| -13.75° | 8 | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 16 |
| -15° | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 |
| -16.25° | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 13 | 13 | 15 |
| -17.5° | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 12 | 12 | 13 | 14 |
| -18.75° | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 | 13 |
| -20° | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 12 | 13 |
| -21.25° | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 13 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 6 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 | 12 |
| -23.75° | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 | 12 |
| -25° | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 12 |
| -26.25° | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 11 | 11 |
| -27.5° | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 |
| -28.75° | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 | 10 | 10 |
| -30° | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 10 |
| -31.25° | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 |
| -32.5° | 5 | 6 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 9 | 9 |
| -33.75° | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 9 |
| -35° | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 |
| -36.25° | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 |
| -37.5° | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 |
| -38.75° | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 |
| -40° | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 |
| -41.25° | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| -42.5° | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |
| -43.75° | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 |
| -45° | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 |
| -46.25° | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| -47.5° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| -48.75° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| -50° | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| -51.25° | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| -52.5° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| -53.75° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 |
| -55° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| -56.25° | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| -57.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -58.75° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| -60° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -61.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -65° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 63.75° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 60° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 58.75° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 57.5° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 56.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 55° | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| 53.75° | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| 52.5° | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 51.25° | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| 50° | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 48.75° | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 47.5° | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| 46.25° | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 |
| 45° | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 43.75° | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| 42.5° | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| 41.25° | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 10 |
| 40° | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 |
| 38.75° | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 11 | 11 |
| 37.5° | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 12 |
| 36.25° | 8 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 12 |
| 35° | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | 13 | 13 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 12 | 13 | 13 | 14 |
| 32.5° | 10 | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 14 | 15 |
| 31.25° | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 16 |
| 30° | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 19 |
| 28.75° | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 20 | 22 |
| 27.5° | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 18 | 20 | 23 | 26 |
| 26.25° | 12 | 12 | 13 | 14 | 15 | 16 | 18 | 20 | 23 | 27 | 35 |
| 25° | 12 | 13 | 14 | 15 | 16 | 17 | 20 | 23 | 28 | 36 | 43 |
| 23.75° | 13 | 13 | 14 | 16 | 17 | 20 | 23 | 27 | 36 | 44 | 52 |
| 22.5° | 13 | 14 | 15 | 16 | 19 | 22 | 26 | 35 | 43 | 52 | 60 |
| 21.25° | 13 | 15 | 16 | 18 | 21 | 25 | 33 | 42 | 51 | 60 | 68 |
| 20° | 14 | 15 | 17 | 20 | 24 | 30 | 40 | 49 | 58 | 67 | 77 |
| 18.75° | 15 | 16 | 19 | 22 | 26 | 36 | 46 | 56 | 65 | 74 | 87 |
| 17.5° | 15 | 17 | 20 | 24 | 32 | 42 | 52 | 62 | 72 | 84 | 111 |
| 16.25° | 16 | 18 | 22 | 27 | 37 | 48 | 58 | 68 | 79 | 102 | 152 |
| 15° | 17 | 20 | 24 | 32 | 43 | 53 | 63 | 74 | 89 | 128 | 205 |
| 13.75° | 18 | 22 | 26 | 36 | 47 | 58 | 69 | 81 | 108 | 171 | 269 |
| 12.5° | 19 | 23 | 30 | 41 | 52 | 63 | 73 | 90 | 134 | 220 | 333 |
| 11.25° | 20 | 24 | 33 | 45 | 56 | 67 | 79 | 105 | 169 | 273 | 395 |
| 10° | 21 | 25 | 37 | 48 | 59 | 71 | 85 | 121 | 207 | 325 | 454 |
| 8.75° | 22 | 28 | 40 | 51 | 63 | 74 | 94 | 148 | 248 | 373 | 507 |
| 7.5° | 23 | 31 | 42 | 54 | 65 | 78 | 104 | 172 | 283 | 416 | 554 |
| 6.25° | 24 | 33 | 44 | 56 | 68 | 82 | 113 | 194 | 317 | 454 | 595 |
| 5° | 24 | 34 | 46 | 58 | 70 | 84 | 124 | 218 | 346 | 486 | 629 |
| 3.75° | 25 | 36 | 48 | 60 | 71 | 87 | 137 | 237 | 368 | 511 | 654 |
| 2.5° | 25 | 37 | 49 | 61 | 72 | 91 | 146 | 251 | 384 | 529 | 673 |
| 1.25° | 25 | 37 | 49 | 61 | 73 | 93 | 151 | 259 | 394 | 540 | 684 |
| 0° | 26 | 38 | 50 | 61 | 73 | 94 | 153 | 262 | 397 | 543 | 688 |
| -1.25° | 25 | 37 | 49 | 61 | 73 | 93 | 151 | 259 | 394 | 540 | 684 |
| -2.5° | 25 | 37 | 49 | 61 | 72 | 91 | 146 | 251 | 384 | 529 | 673 |
| -3.75° | 25 | 36 | 48 | 60 | 71 | 87 | 137 | 237 | 368 | 511 | 654 |
| -5° | 24 | 34 | 46 | 58 | 70 | 84 | 124 | 218 | 346 | 486 | 629 |
| -6.25° | 24 | 33 | 44 | 56 | 68 | 82 | 113 | 194 | 317 | 454 | 595 |
| -7.5° | 23 | 31 | 42 | 54 | 65 | 78 | 104 | 172 | 283 | 416 | 554 |
| -8.75° | 22 | 28 | 40 | 51 | 63 | 74 | 94 | 148 | 248 | 373 | 507 |
| -10° | 21 | 25 | 37 | 48 | 59 | 71 | 85 | 121 | 207 | 325 | 454 |
| -11.25° | 20 | 24 | 33 | 45 | 56 | 67 | 79 | 105 | 169 | 273 | 395 |
| -12.5° | 19 | 23 | 30 | 41 | 52 | 63 | 73 | 90 | 134 | 220 | 333 |
| -13.75° | 18 | 22 | 26 | 36 | 47 | 58 | 69 | 81 | 108 | 171 | 269 |
| -15° | 17 | 20 | 24 | 32 | 43 | 53 | 63 | 74 | 89 | 128 | 205 |
| -16.25° | 16 | 18 | 22 | 27 | 37 | 48 | 58 | 68 | 79 | 102 | 152 |
| -17.5° | 15 | 17 | 20 | 24 | 32 | 42 | 52 | 62 | 72 | 84 | 111 |
| -18.75° | 15 | 16 | 19 | 22 | 26 | 36 | 46 | 56 | 65 | 74 | 87 |
| -20° | 14 | 15 | 17 | 20 | 24 | 30 | 40 | 49 | 58 | 67 | 77 |
| -21.25° | 13 | 15 | 16 | 18 | 21 | 25 | 33 | 42 | 51 | 60 | 68 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 13 | 14 | 15 | 16 | 19 | 22 | 26 | 35 | 43 | 52 | 60 |
| -23.75° | 13 | 13 | 14 | 16 | 17 | 20 | 23 | 27 | 36 | 44 | 52 |
| -25° | 12 | 13 | 14 | 15 | 16 | 17 | 20 | 23 | 28 | 36 | 43 |
| -26.25° | 12 | 12 | 13 | 14 | 15 | 16 | 18 | 20 | 23 | 27 | 35 |
| -27.5° | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 18 | 20 | 23 | 26 |
| -28.75° | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 20 | 22 |
| -30° | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 19 |
| -31.25° | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 15 | 16 | 16 |
| -32.5° | 10 | 10 | 11 | 11 | 12 | 12 | 13 | 13 | 14 | 14 | 15 |
| -33.75° | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 12 | 13 | 13 | 14 |
| -35° | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | 13 | 13 |
| -36.25° | 8 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 12 |
| -37.5° | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 12 |
| -38.75° | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 11 | 11 |
| -40° | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 |
| -41.25° | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 10 |
| -42.5° | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| -43.75° | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 |
| -45° | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| -46.25° | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 |
| -47.5° | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| -48.75° | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -50° | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| -51.25° | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| -52.5° | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -53.75° | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| -55° | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| -56.25° | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -57.5° | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| -58.75° | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| -60° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -61.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| -62.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 66.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 61.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 60° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 57.5° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 56.25° | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 55° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 53.75° | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 52.5° | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 51.25° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 50° | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| 48.75° | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 47.5° | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| 46.25° | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 45° | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| 43.75° | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 42.5° | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 12 |
| 41.25° | 10 | 10 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 40° | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| 38.75° | 11 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| 37.5° | 12 | 12 | 13 | 13 | 13 | 14 | 14 | 15 | 15 | 15 | 16 |
| 36.25° | 13 | 13 | 13 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 |
| 35° | 13 | 14 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 15 | 15 | 16 | 17 | 18 | 20 | 22 | 23 | 24 | 25 | 28 |
| 32.5° | 16 | 17 | 19 | 20 | 22 | 24 | 26 | 30 | 33 | 37 | 40 |
| 31.25° | 18 | 20 | 22 | 24 | 27 | 32 | 36 | 41 | 45 | 48 | 51 |
| 30° | 21 | 24 | 26 | 32 | 37 | 43 | 47 | 52 | 56 | 59 | 63 |
| 28.75° | 25 | 30 | 36 | 42 | 48 | 53 | 58 | 63 | 67 | 71 | 74 |
| 27.5° | 33 | 40 | 46 | 52 | 58 | 63 | 69 | 73 | 79 | 85 | 94 |
| 26.25° | 42 | 49 | 56 | 62 | 68 | 74 | 81 | 90 | 105 | 121 | 148 |
| 25° | 51 | 58 | 65 | 72 | 79 | 89 | 108 | 134 | 169 | 207 | 248 |
| 23.75° | 60 | 67 | 74 | 84 | 102 | 128 | 171 | 220 | 273 | 325 | 373 |
| 22.5° | 68 | 77 | 87 | 111 | 152 | 205 | 269 | 333 | 395 | 454 | 507 |
| 21.25° | 77 | 91 | 117 | 169 | 235 | 308 | 382 | 455 | 523 | 586 | 642 |
| 20° | 91 | 119 | 177 | 253 | 336 | 419 | 501 | 579 | 650 | 714 | 767 |
| 18.75° | 117 | 177 | 259 | 350 | 442 | 533 | 619 | 698 | 766 | 823 | 870 |
| 17.5° | 169 | 253 | 350 | 449 | 548 | 643 | 730 | 802 | 863 | 915 | 972 |
| 16.25° | 235 | 336 | 442 | 548 | 651 | 746 | 823 | 889 | 954 | 1022 | 1105 |
| 15° | 308 | 419 | 533 | 643 | 746 | 830 | 902 | 979 | 1068 | 1165 | 1276 |
| 13.75° | 382 | 501 | 619 | 730 | 823 | 902 | 988 | 1091 | 1211 | 1342 | 1488 |
| 12.5° | 455 | 579 | 698 | 802 | 889 | 979 | 1091 | 1226 | 1382 | 1553 | 1745 |
| 11.25° | 523 | 650 | 766 | 863 | 954 | 1068 | 1211 | 1382 | 1579 | 1799 | 2022 |
| 10° | 586 | 714 | 823 | 915 | 1022 | 1165 | 1342 | 1553 | 1799 | 2054 | 2316 |
| 8.75° | 642 | 767 | 870 | 972 | 1105 | 1276 | 1488 | 1745 | 2022 | 2316 | 2610 |
| 7.5° | 690 | 810 | 910 | 1024 | 1184 | 1387 | 1638 | 1929 | 2242 | 2568 | 2896 |
| 6.25° | 732 | 846 | 949 | 1084 | 1265 | 1495 | 1781 | 2098 | 2446 | 2802 | 3163 |
| 5° | 762 | 873 | 984 | 1135 | 1334 | 1596 | 1910 | 2256 | 2627 | 3013 | 3398 |
| 3.75° | 785 | 894 | 1012 | 1179 | 1401 | 1684 | 2015 | 2384 | 2776 | 3186 | 3591 |
| 2.5° | 802 | 909 | 1035 | 1215 | 1450 | 1749 | 2093 | 2481 | 2891 | 3315 | 3736 |
| 1.25° | 812 | 919 | 1052 | 1237 | 1479 | 1788 | 2145 | 2540 | 2961 | 3395 | 3825 |
| 0° | 815 | 922 | 1057 | 1245 | 1489 | 1801 | 2162 | 2561 | 2985 | 3422 | 3854 |
| -1.25° | 812 | 919 | 1052 | 1237 | 1479 | 1788 | 2145 | 2540 | 2961 | 3395 | 3825 |
| -2.5° | 802 | 909 | 1035 | 1215 | 1450 | 1749 | 2093 | 2481 | 2891 | 3315 | 3736 |
| -3.75° | 785 | 894 | 1012 | 1179 | 1401 | 1684 | 2015 | 2384 | 2776 | 3186 | 3591 |
| -5° | 762 | 873 | 984 | 1135 | 1334 | 1596 | 1910 | 2256 | 2627 | 3013 | 3398 |
| -6.25° | 732 | 846 | 949 | 1084 | 1265 | 1495 | 1781 | 2098 | 2446 | 2802 | 3163 |
| -7.5° | 690 | 810 | 910 | 1024 | 1184 | 1387 | 1638 | 1929 | 2242 | 2568 | 2896 |
| -8.75° | 642 | 767 | 870 | 972 | 1105 | 1276 | 1488 | 1745 | 2022 | 2316 | 2610 |
| -10° | 586 | 714 | 823 | 915 | 1022 | 1165 | 1342 | 1553 | 1799 | 2054 | 2316 |
| -11.25° | 523 | 650 | 766 | 863 | 954 | 1068 | 1211 | 1382 | 1579 | 1799 | 2022 |
| -12.5° | 455 | 579 | 698 | 802 | 889 | 979 | 1091 | 1226 | 1382 | 1553 | 1745 |
| -13.75° | 382 | 501 | 619 | 730 | 823 | 902 | 988 | 1091 | 1211 | 1342 | 1488 |
| -15° | 308 | 419 | 533 | 643 | 746 | 830 | 902 | 979 | 1068 | 1165 | 1276 |
| -16.25° | 235 | 336 | 442 | 548 | 651 | 746 | 823 | 889 | 954 | 1022 | 1105 |
| -17.5° | 169 | 253 | 350 | 449 | 548 | 643 | 730 | 802 | 863 | 915 | 972 |
| -18.75° | 117 | 177 | 259 | 350 | 442 | 533 | 619 | 698 | 766 | 823 | 870 |
| -20° | 91 | 119 | 177 | 253 | 336 | 419 | 501 | 579 | 650 | 714 | 767 |
| -21.25° | 77 | 91 | 117 | 169 | 235 | 308 | 382 | 455 | 523 | 586 | 642 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 68 | 77 | 87 | 111 | 152 | 205 | 269 | 333 | 395 | 454 | 507 |
| -23.75° | 60 | 67 | 74 | 84 | 102 | 128 | 171 | 220 | 273 | 325 | 373 |
| -25° | 51 | 58 | 65 | 72 | 79 | 89 | 108 | 134 | 169 | 207 | 248 |
| -26.25° | 42 | 49 | 56 | 62 | 68 | 74 | 81 | 90 | 105 | 121 | 148 |
| -27.5° | 33 | 40 | 46 | 52 | 58 | 63 | 69 | 73 | 79 | 85 | 94 |
| -28.75° | 25 | 30 | 36 | 42 | 48 | 53 | 58 | 63 | 67 | 71 | 74 |
| -30° | 21 | 24 | 26 | 32 | 37 | 43 | 47 | 52 | 56 | 59 | 63 |
| -31.25° | 18 | 20 | 22 | 24 | 27 | 32 | 36 | 41 | 45 | 48 | 51 |
| -32.5° | 16 | 17 | 19 | 20 | 22 | 24 | 26 | 30 | 33 | 37 | 40 |
| -33.75° | 15 | 15 | 16 | 17 | 18 | 20 | 22 | 23 | 24 | 25 | 28 |
| -35° | 13 | 14 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| -36.25° | 13 | 13 | 13 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 |
| -37.5° | 12 | 12 | 13 | 13 | 13 | 14 | 14 | 15 | 15 | 15 | 16 |
| -38.75° | 11 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| -40° | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| -41.25° | 10 | 10 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| -42.5° | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 12 |
| -43.75° | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| -45° | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| -46.25° | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| -47.5° | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 |
| -48.75° | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| -50° | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |
| -51.25° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| -52.5° | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -53.75° | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| -55° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -56.25° | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -57.5° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| -58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -60° | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -61.25° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 61.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 60° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 57.5° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 56.25° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 55° | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 53.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 52.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 51.25° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 50° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 48.75° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 47.5° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 46.25° | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| 45° | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 43.75° | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 42.5° | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 41.25° | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 40° | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 |
| 38.75° | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 37.5° | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 |
| 36.25° | 19 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 20 |
| 35° | 23 | 24 | 24 | 25 | 25 | 25 | 26 | 25 | 25 | 25 | 24 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 31 | 33 | 34 | 36 | 37 | 37 | 38 | 37 | 37 | 36 | 34 |
| 32.5° | 42 | 44 | 46 | 48 | 49 | 49 | 50 | 49 | 49 | 48 | 46 |
| 31.25° | 54 | 56 | 58 | 60 | 61 | 61 | 61 | 61 | 61 | 60 | 58 |
| 30° | 65 | 68 | 70 | 71 | 72 | 73 | 73 | 73 | 72 | 71 | 70 |
| 28.75° | 78 | 82 | 84 | 87 | 91 | 93 | 94 | 93 | 91 | 87 | 84 |
| 27.5° | 104 | 113 | 124 | 137 | 146 | 151 | 153 | 151 | 146 | 137 | 124 |
| 26.25° | 172 | 194 | 218 | 237 | 251 | 259 | 262 | 259 | 251 | 237 | 218 |
| 25° | 283 | 317 | 346 | 368 | 384 | 394 | 397 | 394 | 384 | 368 | 346 |
| 23.75° | 416 | 454 | 486 | 511 | 529 | 540 | 543 | 540 | 529 | 511 | 486 |
| 22.5° | 554 | 595 | 629 | 654 | 673 | 684 | 688 | 684 | 673 | 654 | 629 |
| 21.25° | 690 | 732 | 762 | 785 | 802 | 812 | 815 | 812 | 802 | 785 | 762 |
| 20° | 810 | 846 | 873 | 894 | 909 | 919 | 922 | 919 | 909 | 894 | 873 |
| 18.75° | 910 | 949 | 984 | 1012 | 1035 | 1052 | 1057 | 1052 | 1035 | 1012 | 984 |
| 17.5° | 1024 | 1084 | 1135 | 1179 | 1215 | 1237 | 1245 | 1237 | 1215 | 1179 | 1135 |
| 16.25° | 1184 | 1265 | 1334 | 1401 | 1450 | 1479 | 1489 | 1479 | 1450 | 1401 | 1334 |
| 15° | 1387 | 1495 | 1596 | 1684 | 1749 | 1788 | 1801 | 1788 | 1749 | 1684 | 1596 |
| 13.75° | 1638 | 1781 | 1910 | 2015 | 2093 | 2145 | 2162 | 2145 | 2093 | 2015 | 1910 |
| 12.5° | 1929 | 2098 | 2256 | 2384 | 2481 | 2540 | 2561 | 2540 | 2481 | 2384 | 2256 |
| 11.25° | 2242 | 2446 | 2627 | 2776 | 2891 | 2961 | 2985 | 2961 | 2891 | 2776 | 2627 |
| 10° | 2568 | 2802 | 3013 | 3186 | 3315 | 3395 | 3422 | 3395 | 3315 | 3186 | 3013 |
| 8.75° | 2896 | 3163 | 3398 | 3591 | 3736 | 3825 | 3854 | 3825 | 3736 | 3591 | 3398 |
| 7.5° | 3215 | 3509 | 3768 | 3979 | 4138 | 4231 | 4263 | 4231 | 4138 | 3979 | 3768 |
| 6.25° | 3509 | 3827 | 4108 | 4330 | 4493 | 4591 | 4625 | 4591 | 4493 | 4330 | 4108 |
| 5° | 3768 | 4108 | 4398 | 4626 | 4790 | 4891 | 4927 | 4891 | 4790 | 4626 | 4398 |
| 3.75° | 3979 | 4330 | 4626 | 4857 | 5024 | 5130 | 5163 | 5130 | 5024 | 4857 | 4626 |
| 2.5° | 4138 | 4493 | 4790 | 5024 | 5197 | 5305 | 5339 | 5305 | 5197 | 5024 | 4790 |
| 1.25° | 4231 | 4591 | 4891 | 5130 | 5305 | 5415 | 5455 | 5415 | 5305 | 5130 | 4891 |
| 0° | 4263 | 4625 | 4927 | 5163 | 5339 | 5455 | 5519 | 5455 | 5339 | 5163 | 4927 |
| -1.25° | 4231 | 4591 | 4891 | 5130 | 5305 | 5415 | 5455 | 5415 | 5305 | 5130 | 4891 |
| -2.5° | 4138 | 4493 | 4790 | 5024 | 5197 | 5305 | 5339 | 5305 | 5197 | 5024 | 4790 |
| -3.75° | 3979 | 4330 | 4626 | 4857 | 5024 | 5130 | 5163 | 5130 | 5024 | 4857 | 4626 |
| -5° | 3768 | 4108 | 4398 | 4626 | 4790 | 4891 | 4927 | 4891 | 4790 | 4626 | 4398 |
| -6.25° | 3509 | 3827 | 4108 | 4330 | 4493 | 4591 | 4625 | 4591 | 4493 | 4330 | 4108 |
| -7.5° | 3215 | 3509 | 3768 | 3979 | 4138 | 4231 | 4263 | 4231 | 4138 | 3979 | 3768 |
| -8.75° | 2896 | 3163 | 3398 | 3591 | 3736 | 3825 | 3854 | 3825 | 3736 | 3591 | 3398 |
| -10° | 2568 | 2802 | 3013 | 3186 | 3315 | 3395 | 3422 | 3395 | 3315 | 3186 | 3013 |
| -11.25° | 2242 | 2446 | 2627 | 2776 | 2891 | 2961 | 2985 | 2961 | 2891 | 2776 | 2627 |
| -12.5° | 1929 | 2098 | 2256 | 2384 | 2481 | 2540 | 2561 | 2540 | 2481 | 2384 | 2256 |
| -13.75° | 1638 | 1781 | 1910 | 2015 | 2093 | 2145 | 2162 | 2145 | 2093 | 2015 | 1910 |
| -15° | 1387 | 1495 | 1596 | 1684 | 1749 | 1788 | 1801 | 1788 | 1749 | 1684 | 1596 |
| -16.25° | 1184 | 1265 | 1334 | 1401 | 1450 | 1479 | 1489 | 1479 | 1450 | 1401 | 1334 |
| -17.5° | 1024 | 1084 | 1135 | 1179 | 1215 | 1237 | 1245 | 1237 | 1215 | 1179 | 1135 |
| -18.75° | 910 | 949 | 984 | 1012 | 1035 | 1052 | 1057 | 1052 | 1035 | 1012 | 984 |
| -20° | 810 | 846 | 873 | 894 | 909 | 919 | 922 | 919 | 909 | 894 | 873 |
| -21.25° | 690 | 732 | 762 | 785 | 802 | 812 | 815 | 812 | 802 | 785 | 762 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 554 | 595 | 629 | 654 | 673 | 684 | 688 | 684 | 673 | 654 | 629 |
| -23.75° | 416 | 454 | 486 | 511 | 529 | 540 | 543 | 540 | 529 | 511 | 486 |
| -25° | 283 | 317 | 346 | 368 | 384 | 394 | 397 | 394 | 384 | 368 | 346 |
| -26.25° | 172 | 194 | 218 | 237 | 251 | 259 | 262 | 259 | 251 | 237 | 218 |
| -27.5° | 104 | 113 | 124 | 137 | 146 | 151 | 153 | 151 | 146 | 137 | 124 |
| -28.75° | 78 | 82 | 84 | 87 | 91 | 93 | 94 | 93 | 91 | 87 | 84 |
| -30° | 65 | 68 | 70 | 71 | 72 | 73 | 73 | 73 | 72 | 71 | 70 |
| -31.25° | 54 | 56 | 58 | 60 | 61 | 61 | 61 | 61 | 61 | 60 | 58 |
| -32.5° | 42 | 44 | 46 | 48 | 49 | 49 | 50 | 49 | 49 | 48 | 46 |
| -33.75° | 31 | 33 | 34 | 36 | 37 | 37 | 38 | 37 | 37 | 36 | 34 |
| -35° | 23 | 24 | 24 | 25 | 25 | 25 | 26 | 25 | 25 | 25 | 24 |
| -36.25° | 19 | 20 | 20 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 20 |
| -37.5° | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 16 |
| -38.75° | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| -40° | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 |
| -41.25° | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| -42.5° | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| -43.75° | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| -45° | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| -46.25° | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| -47.5° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| -48.75° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| -50° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| -51.25° | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| -52.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -53.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -55° | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -56.25° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -57.5° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -60° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -61.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -63.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -73.75° | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 63.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 61.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 60° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| 58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 57.5° | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 56.25° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 55° | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 53.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| 52.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 51.25° | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 50° | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 48.75° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| 47.5° | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 46.25° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 45° | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 |
| 43.75° | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| 42.5° | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 |
| 41.25° | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 |
| 40° | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 11 |
| 38.75° | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 12 | 12 |
| 37.5° | 16 | 16 | 16 | 15 | 15 | 15 | 14 | 14 | 13 | 13 | 13 |
| 36.25° | 20 | 19 | 18 | 17 | 17 | 16 | 16 | 15 | 15 | 14 | 13 |
| 35° | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 15 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 33 | 31 | 28 | 25 | 24 | 23 | 22 | 20 | 18 | 17 | 16 |
| 32.5° | 44 | 42 | 40 | 37 | 33 | 30 | 26 | 24 | 22 | 20 | 19 |
| 31.25° | 56 | 54 | 51 | 48 | 45 | 41 | 36 | 32 | 27 | 24 | 22 |
| 30° | 68 | 65 | 63 | 59 | 56 | 52 | 47 | 43 | 37 | 32 | 26 |
| 28.75° | 82 | 78 | 74 | 71 | 67 | 63 | 58 | 53 | 48 | 42 | 36 |
| 27.5° | 113 | 104 | 94 | 85 | 79 | 73 | 69 | 63 | 58 | 52 | 46 |
| 26.25° | 194 | 172 | 148 | 121 | 105 | 90 | 81 | 74 | 68 | 62 | 56 |
| 25° | 317 | 283 | 248 | 207 | 169 | 134 | 108 | 89 | 79 | 72 | 65 |
| 23.75° | 454 | 416 | 373 | 325 | 273 | 220 | 171 | 128 | 102 | 84 | 74 |
| 22.5° | 595 | 554 | 507 | 454 | 395 | 333 | 269 | 205 | 152 | 111 | 87 |
| 21.25° | 732 | 690 | 642 | 586 | 523 | 455 | 382 | 308 | 235 | 169 | 117 |
| 20° | 846 | 810 | 767 | 714 | 650 | 579 | 501 | 419 | 336 | 253 | 177 |
| 18.75° | 949 | 910 | 870 | 823 | 766 | 698 | 619 | 533 | 442 | 350 | 259 |
| 17.5° | 1084 | 1024 | 972 | 915 | 863 | 802 | 730 | 643 | 548 | 449 | 350 |
| 16.25° | 1265 | 1184 | 1105 | 1022 | 954 | 889 | 823 | 746 | 651 | 548 | 442 |
| 15° | 1495 | 1387 | 1276 | 1165 | 1068 | 979 | 902 | 830 | 746 | 643 | 533 |
| 13.75° | 1781 | 1638 | 1488 | 1342 | 1211 | 1091 | 988 | 902 | 823 | 730 | 619 |
| 12.5° | 2098 | 1929 | 1745 | 1553 | 1382 | 1226 | 1091 | 979 | 889 | 802 | 698 |
| 11.25° | 2446 | 2242 | 2022 | 1799 | 1579 | 1382 | 1211 | 1068 | 954 | 863 | 766 |
| 10° | 2802 | 2568 | 2316 | 2054 | 1799 | 1553 | 1342 | 1165 | 1022 | 915 | 823 |
| 8.75° | 3163 | 2896 | 2610 | 2316 | 2022 | 1745 | 1488 | 1276 | 1105 | 972 | 870 |
| 7.5° | 3509 | 3215 | 2896 | 2568 | 2242 | 1929 | 1638 | 1387 | 1184 | 1024 | 910 |
| 6.25° | 3827 | 3509 | 3163 | 2802 | 2446 | 2098 | 1781 | 1495 | 1265 | 1084 | 949 |
| 5° | 4108 | 3768 | 3398 | 3013 | 2627 | 2256 | 1910 | 1596 | 1334 | 1135 | 984 |
| 3.75° | 4330 | 3979 | 3591 | 3186 | 2776 | 2384 | 2015 | 1684 | 1401 | 1179 | 1012 |
| 2.5° | 4493 | 4138 | 3736 | 3315 | 2891 | 2481 | 2093 | 1749 | 1450 | 1215 | 1035 |
| 1.25° | 4591 | 4231 | 3825 | 3395 | 2961 | 2540 | 2145 | 1788 | 1479 | 1237 | 1052 |
| 0° | 4625 | 4263 | 3854 | 3422 | 2985 | 2561 | 2162 | 1801 | 1489 | 1245 | 1057 |
| -1.25° | 4591 | 4231 | 3825 | 3395 | 2961 | 2540 | 2145 | 1788 | 1479 | 1237 | 1052 |
| -2.5° | 4493 | 4138 | 3736 | 3315 | 2891 | 2481 | 2093 | 1749 | 1450 | 1215 | 1035 |
| -3.75° | 4330 | 3979 | 3591 | 3186 | 2776 | 2384 | 2015 | 1684 | 1401 | 1179 | 1012 |
| -5° | 4108 | 3768 | 3398 | 3013 | 2627 | 2256 | 1910 | 1596 | 1334 | 1135 | 984 |
| -6.25° | 3827 | 3509 | 3163 | 2802 | 2446 | 2098 | 1781 | 1495 | 1265 | 1084 | 949 |
| -7.5° | 3509 | 3215 | 2896 | 2568 | 2242 | 1929 | 1638 | 1387 | 1184 | 1024 | 910 |
| -8.75° | 3163 | 2896 | 2610 | 2316 | 2022 | 1745 | 1488 | 1276 | 1105 | 972 | 870 |
| -10° | 2802 | 2568 | 2316 | 2054 | 1799 | 1553 | 1342 | 1165 | 1022 | 915 | 823 |
| -11.25° | 2446 | 2242 | 2022 | 1799 | 1579 | 1382 | 1211 | 1068 | 954 | 863 | 766 |
| -12.5° | 2098 | 1929 | 1745 | 1553 | 1382 | 1226 | 1091 | 979 | 889 | 802 | 698 |
| -13.75° | 1781 | 1638 | 1488 | 1342 | 1211 | 1091 | 988 | 902 | 823 | 730 | 619 |
| -15° | 1495 | 1387 | 1276 | 1165 | 1068 | 979 | 902 | 830 | 746 | 643 | 533 |
| -16.25° | 1265 | 1184 | 1105 | 1022 | 954 | 889 | 823 | 746 | 651 | 548 | 442 |
| -17.5° | 1084 | 1024 | 972 | 915 | 863 | 802 | 730 | 643 | 548 | 449 | 350 |
| -18.75° | 949 | 910 | 870 | 823 | 766 | 698 | 619 | 533 | 442 | 350 | 259 |
| -20° | 846 | 810 | 767 | 714 | 650 | 579 | 501 | 419 | 336 | 253 | 177 |
| -21.25° | 732 | 690 | 642 | 586 | 523 | 455 | 382 | 308 | 235 | 169 | 117 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 595 | 554 | 507 | 454 | 395 | 333 | 269 | 205 | 152 | 111 | 87 |
| -23.75° | 454 | 416 | 373 | 325 | 273 | 220 | 171 | 128 | 102 | 84 | 74 |
| -25° | 317 | 283 | 248 | 207 | 169 | 134 | 108 | 89 | 79 | 72 | 65 |
| -26.25° | 194 | 172 | 148 | 121 | 105 | 90 | 81 | 74 | 68 | 62 | 56 |
| -27.5° | 113 | 104 | 94 | 85 | 79 | 73 | 69 | 63 | 58 | 52 | 46 |
| -28.75° | 82 | 78 | 74 | 71 | 67 | 63 | 58 | 53 | 48 | 42 | 36 |
| -30° | 68 | 65 | 63 | 59 | 56 | 52 | 47 | 43 | 37 | 32 | 26 |
| -31.25° | 56 | 54 | 51 | 48 | 45 | 41 | 36 | 32 | 27 | 24 | 22 |
| -32.5° | 44 | 42 | 40 | 37 | 33 | 30 | 26 | 24 | 22 | 20 | 19 |
| -33.75° | 33 | 31 | 28 | 25 | 24 | 23 | 22 | 20 | 18 | 17 | 16 |
| -35° | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 15 |
| -36.25° | 20 | 19 | 18 | 17 | 17 | 16 | 16 | 15 | 15 | 14 | 13 |
| -37.5° | 16 | 16 | 16 | 15 | 15 | 15 | 14 | 14 | 13 | 13 | 13 |
| -38.75° | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 12 | 12 |
| -40° | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 11 |
| -41.25° | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 |
| -42.5° | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 |
| -43.75° | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 |
| -45° | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 |
| -46.25° | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| -47.5° | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| -48.75° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| -50° | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| -51.25° | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| -52.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -53.75° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| -55° | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -56.25° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -57.5° | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| -58.75° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -60° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |
| -61.25° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -62.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -63.75° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -66.25° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -67.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 66.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 62.5° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 61.25° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 60° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 58.75° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 57.5° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 56.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 55° | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 53.75° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 52.5° | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| 51.25° | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 50° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 48.75° | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| 47.5° | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| 46.25° | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| 45° | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| 43.75° | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 |
| 42.5° | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 |
| 41.25° | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| 40° | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 |
| 38.75° | 12 | 11 | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 8 |
| 37.5° | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 10 | 9 | 9 | 9 |
| 36.25° | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 9 |
| 35° | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 11 | 10 | 10 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 15 | 15 | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 |
| 32.5° | 17 | 16 | 15 | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 11 |
| 31.25° | 20 | 18 | 16 | 16 | 15 | 14 | 13 | 13 | 12 | 12 | 11 |
| 30° | 24 | 21 | 19 | 17 | 16 | 15 | 14 | 13 | 13 | 12 | 12 |
| 28.75° | 30 | 25 | 22 | 20 | 17 | 16 | 15 | 14 | 13 | 13 | 12 |
| 27.5° | 40 | 33 | 26 | 23 | 20 | 18 | 16 | 15 | 14 | 13 | 13 |
| 26.25° | 49 | 42 | 35 | 27 | 23 | 20 | 18 | 16 | 15 | 14 | 13 |
| 25° | 58 | 51 | 43 | 36 | 28 | 23 | 20 | 17 | 16 | 15 | 14 |
| 23.75° | 67 | 60 | 52 | 44 | 36 | 27 | 23 | 20 | 17 | 16 | 14 |
| 22.5° | 77 | 68 | 60 | 52 | 43 | 35 | 26 | 22 | 19 | 16 | 15 |
| 21.25° | 91 | 77 | 68 | 60 | 51 | 42 | 33 | 25 | 21 | 18 | 16 |
| 20° | 119 | 91 | 77 | 67 | 58 | 49 | 40 | 30 | 24 | 20 | 17 |
| 18.75° | 177 | 117 | 87 | 74 | 65 | 56 | 46 | 36 | 26 | 22 | 19 |
| 17.5° | 253 | 169 | 111 | 84 | 72 | 62 | 52 | 42 | 32 | 24 | 20 |
| 16.25° | 336 | 235 | 152 | 102 | 79 | 68 | 58 | 48 | 37 | 27 | 22 |
| 15° | 419 | 308 | 205 | 128 | 89 | 74 | 63 | 53 | 43 | 32 | 24 |
| 13.75° | 501 | 382 | 269 | 171 | 108 | 81 | 69 | 58 | 47 | 36 | 26 |
| 12.5° | 579 | 455 | 333 | 220 | 134 | 90 | 73 | 63 | 52 | 41 | 30 |
| 11.25° | 650 | 523 | 395 | 273 | 169 | 105 | 79 | 67 | 56 | 45 | 33 |
| 10° | 714 | 586 | 454 | 325 | 207 | 121 | 85 | 71 | 59 | 48 | 37 |
| 8.75° | 767 | 642 | 507 | 373 | 248 | 148 | 94 | 74 | 63 | 51 | 40 |
| 7.5° | 810 | 690 | 554 | 416 | 283 | 172 | 104 | 78 | 65 | 54 | 42 |
| 6.25° | 846 | 732 | 595 | 454 | 317 | 194 | 113 | 82 | 68 | 56 | 44 |
| 5° | 873 | 762 | 629 | 486 | 346 | 218 | 124 | 84 | 70 | 58 | 46 |
| 3.75° | 894 | 785 | 654 | 511 | 368 | 237 | 137 | 87 | 71 | 60 | 48 |
| 2.5° | 909 | 802 | 673 | 529 | 384 | 251 | 146 | 91 | 72 | 61 | 49 |
| 1.25° | 919 | 812 | 684 | 540 | 394 | 259 | 151 | 93 | 73 | 61 | 49 |
| 0° | 922 | 815 | 688 | 543 | 397 | 262 | 153 | 94 | 73 | 61 | 50 |
| -1.25° | 919 | 812 | 684 | 540 | 394 | 259 | 151 | 93 | 73 | 61 | 49 |
| -2.5° | 909 | 802 | 673 | 529 | 384 | 251 | 146 | 91 | 72 | 61 | 49 |
| -3.75° | 894 | 785 | 654 | 511 | 368 | 237 | 137 | 87 | 71 | 60 | 48 |
| -5° | 873 | 762 | 629 | 486 | 346 | 218 | 124 | 84 | 70 | 58 | 46 |
| -6.25° | 846 | 732 | 595 | 454 | 317 | 194 | 113 | 82 | 68 | 56 | 44 |
| -7.5° | 810 | 690 | 554 | 416 | 283 | 172 | 104 | 78 | 65 | 54 | 42 |
| -8.75° | 767 | 642 | 507 | 373 | 248 | 148 | 94 | 74 | 63 | 51 | 40 |
| -10° | 714 | 586 | 454 | 325 | 207 | 121 | 85 | 71 | 59 | 48 | 37 |
| -11.25° | 650 | 523 | 395 | 273 | 169 | 105 | 79 | 67 | 56 | 45 | 33 |
| -12.5° | 579 | 455 | 333 | 220 | 134 | 90 | 73 | 63 | 52 | 41 | 30 |
| -13.75° | 501 | 382 | 269 | 171 | 108 | 81 | 69 | 58 | 47 | 36 | 26 |
| -15° | 419 | 308 | 205 | 128 | 89 | 74 | 63 | 53 | 43 | 32 | 24 |
| -16.25° | 336 | 235 | 152 | 102 | 79 | 68 | 58 | 48 | 37 | 27 | 22 |
| -17.5° | 253 | 169 | 111 | 84 | 72 | 62 | 52 | 42 | 32 | 24 | 20 |
| -18.75° | 177 | 117 | 87 | 74 | 65 | 56 | 46 | 36 | 26 | 22 | 19 |
| -20° | 119 | 91 | 77 | 67 | 58 | 49 | 40 | 30 | 24 | 20 | 17 |
| -21.25° | 91 | 77 | 68 | 60 | 51 | 42 | 33 | 25 | 21 | 18 | 16 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 77 | 68 | 60 | 52 | 43 | 35 | 26 | 22 | 19 | 16 | 15 |
| -23.75° | 67 | 60 | 52 | 44 | 36 | 27 | 23 | 20 | 17 | 16 | 14 |
| -25° | 58 | 51 | 43 | 36 | 28 | 23 | 20 | 17 | 16 | 15 | 14 |
| -26.25° | 49 | 42 | 35 | 27 | 23 | 20 | 18 | 16 | 15 | 14 | 13 |
| -27.5° | 40 | 33 | 26 | 23 | 20 | 18 | 16 | 15 | 14 | 13 | 13 |
| -28.75° | 30 | 25 | 22 | 20 | 17 | 16 | 15 | 14 | 13 | 13 | 12 |
| -30° | 24 | 21 | 19 | 17 | 16 | 15 | 14 | 13 | 13 | 12 | 12 |
| -31.25° | 20 | 18 | 16 | 16 | 15 | 14 | 13 | 13 | 12 | 12 | 11 |
| -32.5° | 17 | 16 | 15 | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 11 |
| -33.75° | 15 | 15 | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 |
| -35° | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 11 | 10 | 10 |
| -36.25° | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 9 |
| -37.5° | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 10 | 9 | 9 | 9 |
| -38.75° | 12 | 11 | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 8 |
| -40° | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 |
| -41.25° | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 |
| -42.5° | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 |
| -43.75° | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 |
| -45° | 9 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 |
| -46.25° | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
| -47.5° | 8 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 |
| -48.75° | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| -50° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| -51.25° | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| -52.5° | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| -53.75° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| -55° | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -56.25° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| -57.5° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -58.75° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -60° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| -61.25° | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| -62.5° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -63.75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| -65° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -67.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -68.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -71.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 62.5° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 61.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 58.75° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 57.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 56.25° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 53.75° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 52.5° | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 51.25° | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 50° | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 48.75° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| 47.5° | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 |
| 46.25° | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 45° | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| 43.75° | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| 42.5° | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 |
| 41.25° | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 |
| 40° | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 38.75° | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| 37.5° | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 |
| 36.25° | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 |
| 35° | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 5 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| 32.5° | 10 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 6 |
| 31.25° | 11 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 |
| 30° | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 |
| 28.75° | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 6 |
| 27.5° | 12 | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 |
| 26.25° | 12 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 | 7 |
| 25° | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 7 |
| 23.75° | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 |
| 22.5° | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 |
| 21.25° | 15 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 |
| 20° | 15 | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 |
| 18.75° | 16 | 15 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 |
| 17.5° | 17 | 15 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 9 | 8 |
| 16.25° | 18 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 10 | 9 | 9 |
| 15° | 20 | 17 | 15 | 14 | 13 | 12 | 11 | 11 | 10 | 9 | 9 |
| 13.75° | 22 | 18 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 9 |
| 12.5° | 23 | 19 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 10 | 9 |
| 11.25° | 24 | 20 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 | 9 |
| 10° | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 11 | 10 | 9 |
| 8.75° | 28 | 22 | 18 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 |
| 7.5° | 31 | 23 | 19 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 |
| 6.25° | 33 | 24 | 20 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 9 |
| 5° | 34 | 24 | 20 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 9 |
| 3.75° | 36 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| 2.5° | 37 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| 1.25° | 37 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| 0° | 38 | 26 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| -1.25° | 37 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| -2.5° | 37 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| -3.75° | 36 | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 |
| -5° | 34 | 24 | 20 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 9 |
| -6.25° | 33 | 24 | 20 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 9 |
| -7.5° | 31 | 23 | 19 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 |
| -8.75° | 28 | 22 | 18 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 |
| -10° | 25 | 21 | 17 | 15 | 14 | 13 | 12 | 11 | 11 | 10 | 9 |
| -11.25° | 24 | 20 | 17 | 15 | 14 | 13 | 12 | 11 | 10 | 10 | 9 |
| -12.5° | 23 | 19 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 10 | 9 |
| -13.75° | 22 | 18 | 16 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 9 |
| -15° | 20 | 17 | 15 | 14 | 13 | 12 | 11 | 11 | 10 | 9 | 9 |
| -16.25° | 18 | 16 | 15 | 13 | 13 | 12 | 11 | 10 | 10 | 9 | 9 |
| -17.5° | 17 | 15 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 9 | 8 |
| -18.75° | 16 | 15 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 |
| -20° | 15 | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 |
| -21.25° | 15 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 |
| -23.75° | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 |
| -25° | 13 | 12 | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 7 |
| -26.25° | 12 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 | 7 |
| -27.5° | 12 | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 |
| -28.75° | 12 | 11 | 10 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 6 |
| -30° | 11 | 11 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 |
| -31.25° | 11 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 |
| -32.5° | 10 | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 6 |
| -33.75° | 10 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| -35° | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 5 |
| -36.25° | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 |
| -37.5° | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 |
| -38.75° | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 |
| -40° | 8 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| -41.25° | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 |
| -42.5° | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 |
| -43.75° | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| -45° | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 |
| -46.25° | 6 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| -47.5° | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 |
| -48.75° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| -50° | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -51.25° | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| -52.5° | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| -53.75° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -55° | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| -56.25° | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| -57.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| -58.75° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -60° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -61.25° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -62.5° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -63.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -65° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -66.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 58.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 56.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 55° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 53.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 52.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 51.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 50° | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 48.75° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 47.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 46.25° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 45° | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| 43.75° | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| 42.5° | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 |
| 41.25° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 |
| 40° | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 38.75° | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 37.5° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| 36.25° | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |
| 35° | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| 32.5° | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| 31.25° | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| 30° | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| 28.75° | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| 27.5° | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| 26.25° | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| 25° | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| 23.75° | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 3 | 3 |
| 22.5° | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 |
| 21.25° | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 |
| 20° | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 3 |
| 18.75° | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 3 |
| 17.5° | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 |
| 16.25° | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 |
| 15° | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 |
| 13.75° | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 |
| 12.5° | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 11.25° | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 10° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 8.75° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 7.5° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| 6.25° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| 5° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| 3.75° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| 2.5° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| 1.25° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| 0° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -1.25° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -2.5° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -3.75° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -5° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -6.25° | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 |
| -7.5° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -8.75° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -10° | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -11.25° | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -12.5° | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 |
| -13.75° | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 |
| -15° | 8 | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 |
| -16.25° | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 |
| -17.5° | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 |
| -18.75° | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 3 |
| -20° | 8 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 3 |
| -21.25° | 7 | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 |
| -23.75° | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 3 | 3 |
| -25° | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| -26.25° | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| -27.5° | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| -28.75° | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| -30° | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 |
| -31.25° | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| -32.5° | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| -33.75° | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| -35° | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |
| -36.25° | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |
| -37.5° | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| -38.75° | 5 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -40° | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| -41.25° | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 |
| -42.5° | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 |
| -43.75° | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| -45° | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| -46.25° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -47.5° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -48.75° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -50° | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -51.25° | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| -52.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -53.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -55° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -56.25° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| -57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -58.75° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -60° | 1 | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43.75° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42.5° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41.25° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 40° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 38.75° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 37.5° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 36.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 35° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

| | 61.25° | 62.5° | 63.75° | 65° | 66.25° | 67.5° | 68.75° | 70° | 71.25° | 72.5° | 73.75° |
|---------|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|
| 33.75° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 32.5° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 31.25° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 30° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 28.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 27.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 26.25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 23.75° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 22.5° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 21.25° | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| 20° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| 18.75° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| 17.5° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 16.25° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 15° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 13.75° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 12.5° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 11.25° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 10° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 8.75° | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 7.5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 6.25° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 3.75° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 2.5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 1.25° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| 0° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -1.25° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -2.5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -3.75° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -6.25° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -7.5° | 4 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -8.75° | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| -10° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -11.25° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -12.5° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -13.75° | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -15° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -16.25° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -17.5° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| -18.75° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| -20° | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| -21.25° | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |



REPORT NUMBER: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -23.75° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -26.25° | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -27.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| -28.75° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -30° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -31.25° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -32.5° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -33.75° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -35° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -36.25° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -37.5° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -38.75° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -40° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -41.25° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -43.75° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 1 | 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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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: P220528 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-BK-L2-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)