

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: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED4010-12-CS-LVR**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED4010-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED
SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

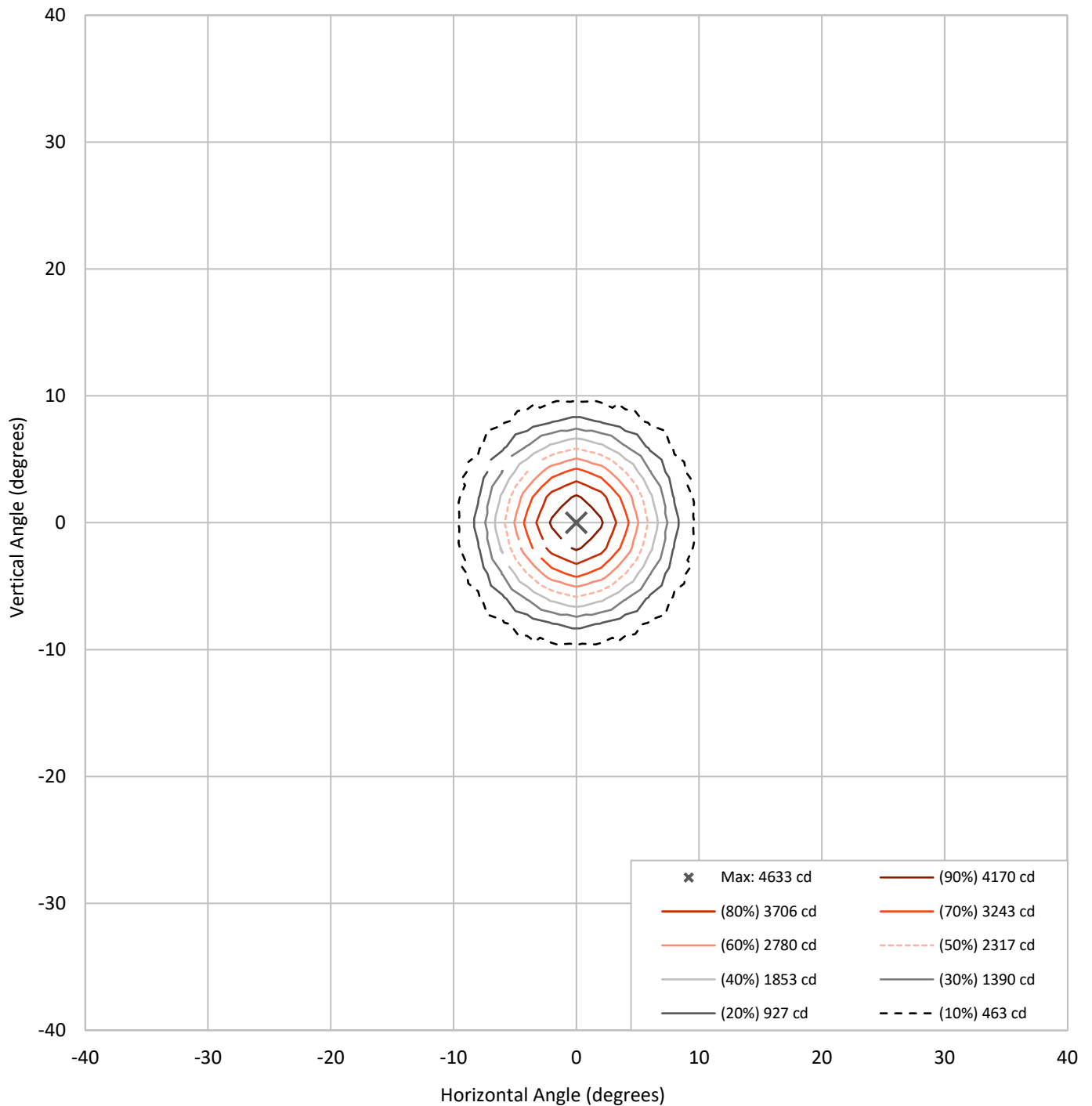
Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 2H x 2V |
| Luminaire Lumens: | 223.3 lumens | Max Intensity: | 4633 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 29.8 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.17' x H: 0') | | |
| Beam Angle (50%): | 11.7°H x 11.7°V | Field Angle (10%): | 19.3°H x 19.3°V |
| Beam Lumens: | 101.3 lumens | Field Lumens: | 175.1 lumens |
| Beam Efficiency: | 45.4% | Field Efficiency: | 78.4% |
| Input Watts (W): | 7.5 | | |
| Input Voltage (V): | 12.0 | | |
| Input Current (Ain): | 0.656 | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | 0.9482 | | |
| Total Harmonic Distortion (THDi): | 25.7 | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | 0.5 HR | | |
| Operation Time: | 9 HR | | |
| Ambient Temperature (°C): | 24.9 | | |
| Test Distance: | 25 FT | | |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





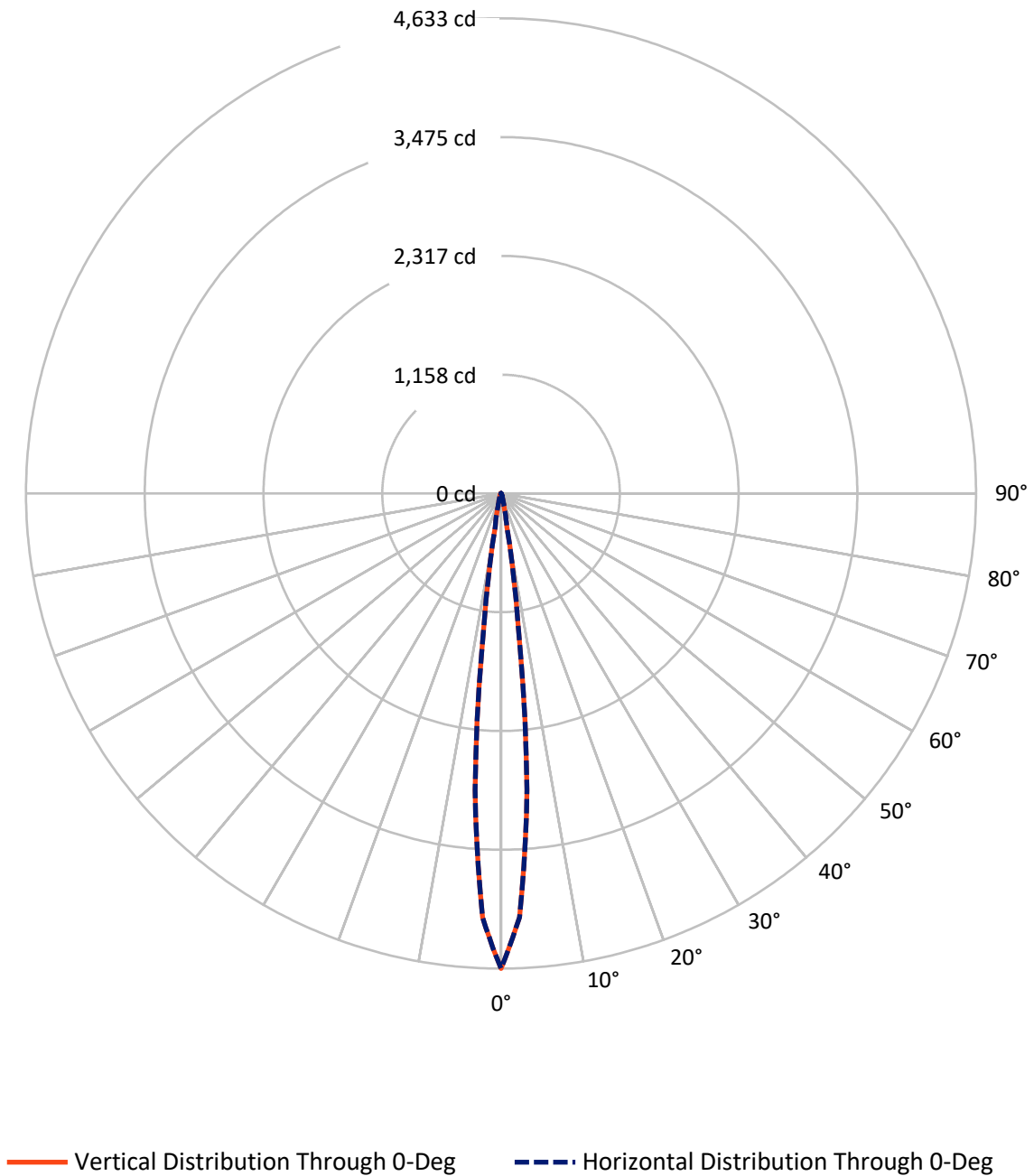
REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|----|----|----|----|
| 90 | 0.0 | | | | | | | | | | | | | | | | | | |
| 80 | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | | | |
| 70 | 0.0 | | | | | | | | | | | | | | | | | | |
| 60 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 50 | 0.0 | | | | | | | | | | | | | | | | | | |
| 40 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | | | | |
| 30 | 0.0 | | | | | | | | | | | | | | | | | | |
| 20 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.6 | 0.6 | 0.4 | 0.2 | 0.1 | 0.0 | 0.0 | | | | |
| 10 | 0.0 | | | | | | | | | | | | | | | | | | |
| 0 | 0.0 | | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 | 2.8 | 45.3 | 45.3 | 2.8 | 0.5 | 0.2 | 0.1 | 0.0 | | | | |
| -10 | 0.0 | | | | | | | | | | | | | | | | | | |
| -20 | 0.0 | | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 1.0 | 2.9 | 2.9 | 1.0 | 0.4 | 0.2 | 0.1 | 0.0 | | | | |
| -30 | 0.0 | | | | | | | | | | | | | | | | | | |
| -40 | 0.0 | | 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 | | | | | | | | | | | | | | | | | | |
| -60 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| -70 | 0.0 | | | | | | | | | | | | | | | | | | |
| -80 | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | | | |
| -90 | 0.0 | | | | | | | | | | | | | | | | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

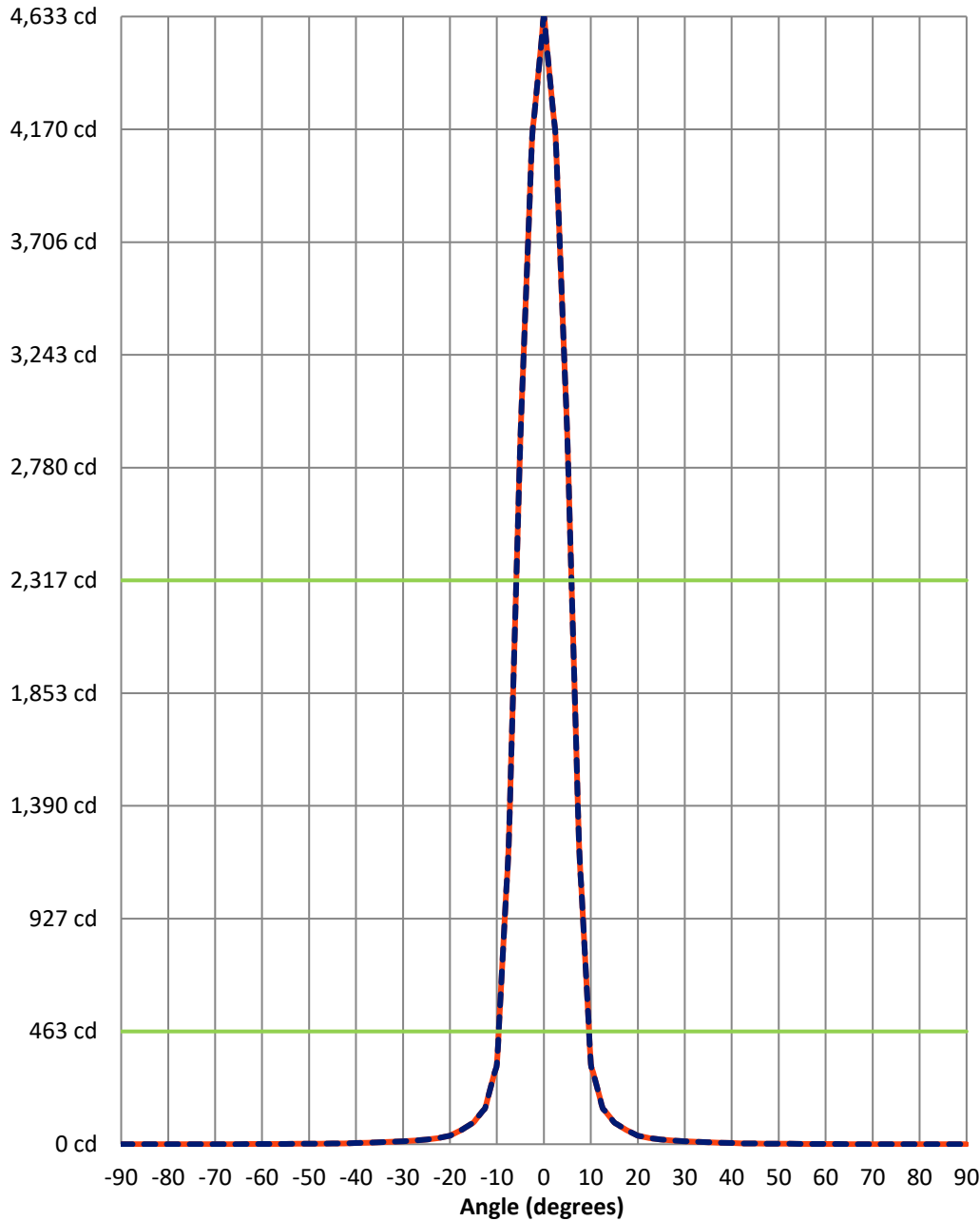
REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 11.7°
 V Angle: 11.7°
 Lumens: 101.3
 Efficiency: 45.4%

Field:
 H Angle: 19.3°
 V Angle: 19.3°
 Lumens: 175.1
 Efficiency: 78.4%

Spill:
 Lumens: 48.3
 Efficiency: 21.6%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 45° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 37.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 35° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 32.5° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 30° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 27.5° | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 25° | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 22.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| 20° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| 17.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| 15° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 |
| 12.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 5 |
| 10° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 6 |
| 7.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| 5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| 2.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| 0° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| -2.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| -5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| -7.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 | 6 |
| -10° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 6 |
| -12.5° | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 5 |
| -15° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 5 |
| -17.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| -20° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |
| -25° | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| -27.5° | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| -30° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -32.5° | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -35° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -37.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -40° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -42.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -45° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -47.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| -57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 60° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57.5° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 52.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 50° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 45° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 42.5° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 40° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 37.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| 35° | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 6 | 6 | 6 | 7 |
| 32.5° | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 |
| 30° | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 11 |
| 27.5° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 25° | 3 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 15 | 16 |
| 22.5° | 4 | 5 | 7 | 8 | 9 | 11 | 12 | 14 | 16 | 18 | 20 |
| 20° | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 17 | 19 | 23 | 26 |
| 17.5° | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 35 |
| 15° | 6 | 8 | 9 | 11 | 13 | 16 | 19 | 24 | 31 | 40 | 55 |
| 12.5° | 6 | 8 | 10 | 12 | 15 | 18 | 23 | 29 | 40 | 58 | 78 |
| 10° | 7 | 9 | 11 | 13 | 16 | 20 | 26 | 35 | 55 | 78 | 110 |
| 7.5° | 7 | 9 | 11 | 14 | 17 | 22 | 30 | 45 | 68 | 100 | 151 |
| 5° | 8 | 10 | 12 | 15 | 18 | 24 | 33 | 52 | 79 | 126 | 245 |
| 2.5° | 8 | 10 | 12 | 15 | 19 | 25 | 34 | 57 | 87 | 143 | 308 |
| 0° | 8 | 10 | 12 | 15 | 19 | 25 | 35 | 59 | 89 | 149 | 330 |
| -2.5° | 8 | 10 | 12 | 15 | 19 | 25 | 34 | 57 | 87 | 143 | 308 |
| -5° | 8 | 10 | 12 | 15 | 18 | 24 | 33 | 52 | 79 | 126 | 245 |
| -7.5° | 7 | 9 | 11 | 14 | 17 | 22 | 30 | 45 | 68 | 100 | 151 |
| -10° | 7 | 9 | 11 | 13 | 16 | 20 | 26 | 35 | 55 | 78 | 110 |
| -12.5° | 6 | 8 | 10 | 12 | 15 | 18 | 23 | 29 | 40 | 58 | 78 |
| -15° | 6 | 8 | 9 | 11 | 13 | 16 | 19 | 24 | 31 | 40 | 55 |
| -17.5° | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 24 | 29 | 35 |
| -20° | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 17 | 19 | 23 | 26 |



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CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 4 | 5 | 7 | 8 | 9 | 11 | 12 | 14 | 16 | 18 | 20 |
| -25° | 3 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 15 | 16 |
| -27.5° | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| -30° | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 10 | 11 |
| -32.5° | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 |
| -35° | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 6 | 6 | 6 | 7 |
| -37.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| -40° | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| -42.5° | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| -45° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -47.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -50° | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| -52.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -57.5° | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -60° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|------|-------|------|------|------|------|-----|-------|-----|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 60° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 42.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 40° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 3 |
| 37.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 4 |
| 35° | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| 32.5° | 9 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 |
| 30° | 11 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 9 | 9 |
| 27.5° | 14 | 15 | 15 | 15 | 15 | 15 | 14 | 13 | 12 | 11 | 10 |
| 25° | 17 | 18 | 19 | 19 | 19 | 18 | 17 | 16 | 15 | 13 | 12 |
| 22.5° | 22 | 24 | 25 | 25 | 25 | 24 | 22 | 20 | 18 | 16 | 14 |
| 20° | 30 | 33 | 34 | 35 | 34 | 33 | 30 | 26 | 23 | 19 | 17 |
| 17.5° | 45 | 52 | 57 | 59 | 57 | 52 | 45 | 35 | 29 | 24 | 20 |
| 15° | 68 | 79 | 87 | 89 | 87 | 79 | 68 | 55 | 40 | 31 | 24 |
| 12.5° | 100 | 126 | 143 | 149 | 143 | 126 | 100 | 78 | 58 | 40 | 29 |
| 10° | 151 | 245 | 308 | 330 | 308 | 245 | 151 | 110 | 78 | 55 | 35 |
| 7.5° | 287 | 542 | 989 | 1224 | 989 | 542 | 287 | 151 | 100 | 68 | 45 |
| 5° | 542 | 1476 | 2491 | 2901 | 2491 | 1476 | 542 | 245 | 126 | 79 | 52 |
| 2.5° | 989 | 2491 | 3712 | 4137 | 3712 | 2491 | 989 | 308 | 143 | 87 | 57 |
| 0° | 1224 | 2901 | 4137 | 4633 | 4137 | 2901 | 1224 | 330 | 149 | 89 | 59 |
| -2.5° | 989 | 2491 | 3712 | 4137 | 3712 | 2491 | 989 | 308 | 143 | 87 | 57 |
| -5° | 542 | 1476 | 2491 | 2901 | 2491 | 1476 | 542 | 245 | 126 | 79 | 52 |
| -7.5° | 287 | 542 | 989 | 1224 | 989 | 542 | 287 | 151 | 100 | 68 | 45 |
| -10° | 151 | 245 | 308 | 330 | 308 | 245 | 151 | 110 | 78 | 55 | 35 |
| -12.5° | 100 | 126 | 143 | 149 | 143 | 126 | 100 | 78 | 58 | 40 | 29 |
| -15° | 68 | 79 | 87 | 89 | 87 | 79 | 68 | 55 | 40 | 31 | 24 |
| -17.5° | 45 | 52 | 57 | 59 | 57 | 52 | 45 | 35 | 29 | 24 | 20 |
| -20° | 30 | 33 | 34 | 35 | 34 | 33 | 30 | 26 | 23 | 19 | 17 |



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CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|-----|-------|----|------|----|------|-----|-------|-----|-------|
| -22.5° | 22 | 24 | 25 | 25 | 25 | 24 | 22 | 20 | 18 | 16 | 14 |
| -25° | 17 | 18 | 19 | 19 | 19 | 18 | 17 | 16 | 15 | 13 | 12 |
| -27.5° | 14 | 15 | 15 | 15 | 15 | 15 | 14 | 13 | 12 | 11 | 10 |
| -30° | 11 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 9 | 9 |
| -32.5° | 9 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 |
| -35° | 7 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| -37.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 4 |
| -40° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 3 |
| -42.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -45° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -47.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -50° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -52.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -60° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -62.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 52.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 50° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 47.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 45° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 42.5° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 40° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 37.5° | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 35° | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 32.5° | 6 | 5 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 30° | 8 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| 27.5° | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 |
| 25° | 11 | 9 | 8 | 7 | 6 | 5 | 3 | 3 | 3 | 2 | 2 |
| 22.5° | 12 | 11 | 9 | 8 | 7 | 5 | 4 | 3 | 3 | 2 | 2 |
| 20° | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 4 | 3 | 3 | 2 |
| 17.5° | 17 | 14 | 12 | 10 | 9 | 7 | 6 | 4 | 3 | 3 | 2 |
| 15° | 19 | 16 | 13 | 11 | 9 | 8 | 6 | 5 | 3 | 3 | 2 |
| 12.5° | 23 | 18 | 15 | 12 | 10 | 8 | 6 | 5 | 4 | 3 | 2 |
| 10° | 26 | 20 | 16 | 13 | 11 | 9 | 7 | 6 | 4 | 3 | 3 |
| 7.5° | 30 | 22 | 17 | 14 | 11 | 9 | 7 | 6 | 5 | 3 | 3 |
| 5° | 33 | 24 | 18 | 15 | 12 | 10 | 8 | 6 | 5 | 3 | 3 |
| 2.5° | 34 | 25 | 19 | 15 | 12 | 10 | 8 | 6 | 5 | 3 | 3 |
| 0° | 35 | 25 | 19 | 15 | 12 | 10 | 8 | 6 | 5 | 3 | 3 |
| -2.5° | 34 | 25 | 19 | 15 | 12 | 10 | 8 | 6 | 5 | 3 | 3 |
| -5° | 33 | 24 | 18 | 15 | 12 | 10 | 8 | 6 | 5 | 3 | 3 |
| -7.5° | 30 | 22 | 17 | 14 | 11 | 9 | 7 | 6 | 5 | 3 | 3 |
| -10° | 26 | 20 | 16 | 13 | 11 | 9 | 7 | 6 | 4 | 3 | 3 |
| -12.5° | 23 | 18 | 15 | 12 | 10 | 8 | 6 | 5 | 4 | 3 | 2 |
| -15° | 19 | 16 | 13 | 11 | 9 | 8 | 6 | 5 | 3 | 3 | 2 |
| -17.5° | 17 | 14 | 12 | 10 | 9 | 7 | 6 | 4 | 3 | 3 | 2 |
| -20° | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 4 | 3 | 3 | 2 |



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CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 12 | 11 | 9 | 8 | 7 | 5 | 4 | 3 | 3 | 2 | 2 |
| -25° | 11 | 9 | 8 | 7 | 6 | 5 | 3 | 3 | 3 | 2 | 2 |
| -27.5° | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 |
| -30° | 8 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| -32.5° | 6 | 5 | 5 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| -35° | 5 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| -37.5° | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -40° | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -42.5° | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -45° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -47.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -50° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -52.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| -55° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -57.5° | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -60° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32.5° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27.5° | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 25° | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 22.5° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 20° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 17.5° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 15° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 12.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 10° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 7.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 2.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -2.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -7.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -10° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -12.5° | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -15° | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| -17.5° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -20° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| -22.5° | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -25° | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -27.5° | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| -30° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -32.5° | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| -35° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -37.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -40° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -42.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -45° | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -47.5° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -50° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -52.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -55° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -57.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -60° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -62.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -65° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -82.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -85° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: G2-1802-569-38 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED4010-12-CS-LVR

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)