

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: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

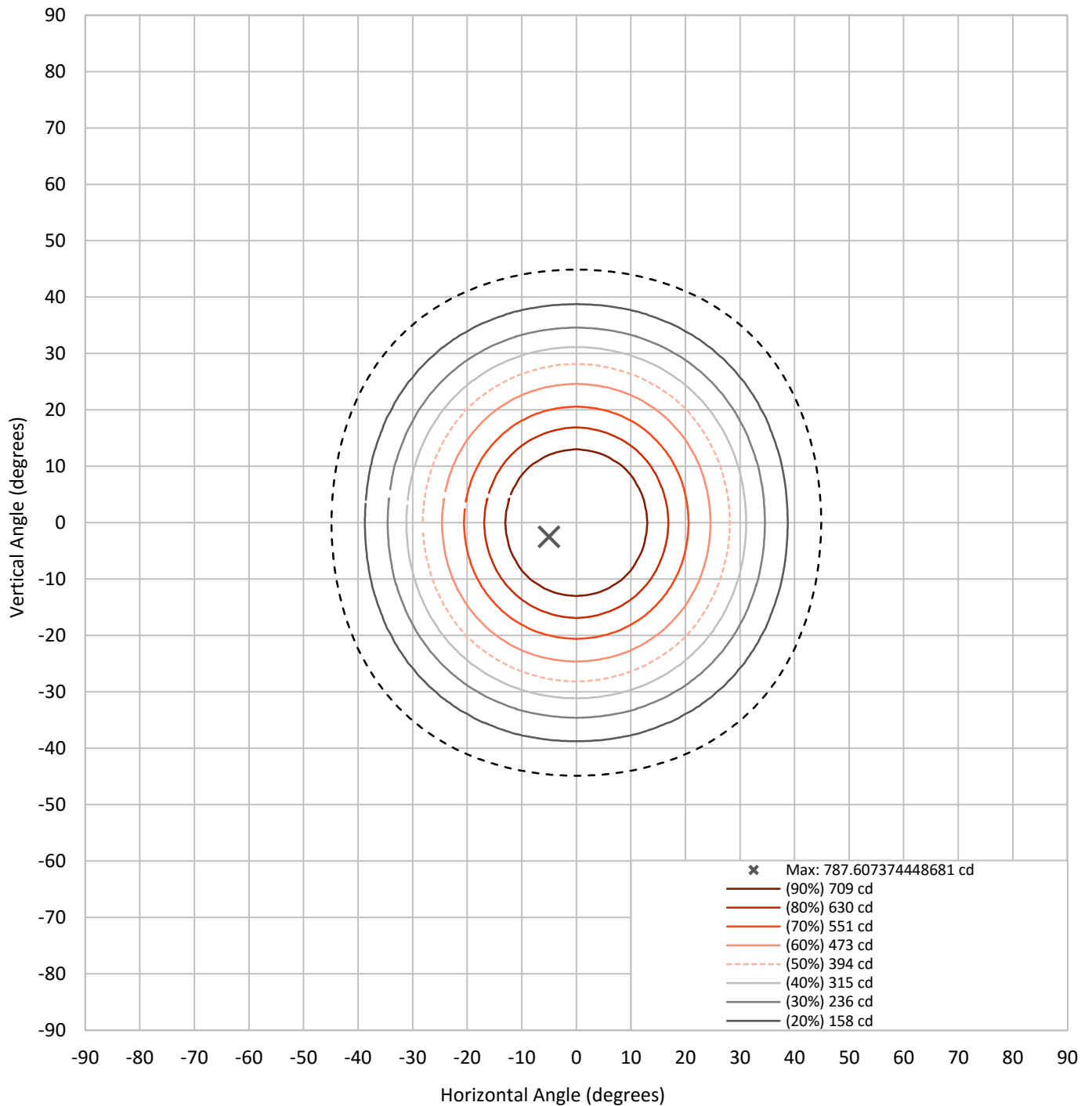
Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 5H x 5V |
| Luminaire Lumens: | 697.9 lumens | Max Intensity: | 787.6 candela |
| Efficiency: | N/A | Max Intensity Angle: | -5°H x -2.5°V |
| Efficacy: | 69.8 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.17' x H: 0') | | |
| Beam Angle (50%): | 56.1°H x 55.5°V | Field Angle (10%): | 89.7°H x 89.4°V |
| Beam Lumens: | 431.7 lumens | Field Lumens: | 651.6 lumens |
| Beam Efficiency: | 61.9% | Field Efficiency: | 93.4% |
| Input Watts (W): | 10 | | |
| Input Voltage (V): | 120 | | |
| Input Current (Ain): | NR | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | NR | | |
| Total Harmonic Distortion (THDi): | NR | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | NR | | |
| Operation Time: | NR | | |
| Ambient Temperature (°C): | NR | | |
| Test Distance: | 25 FT | | |



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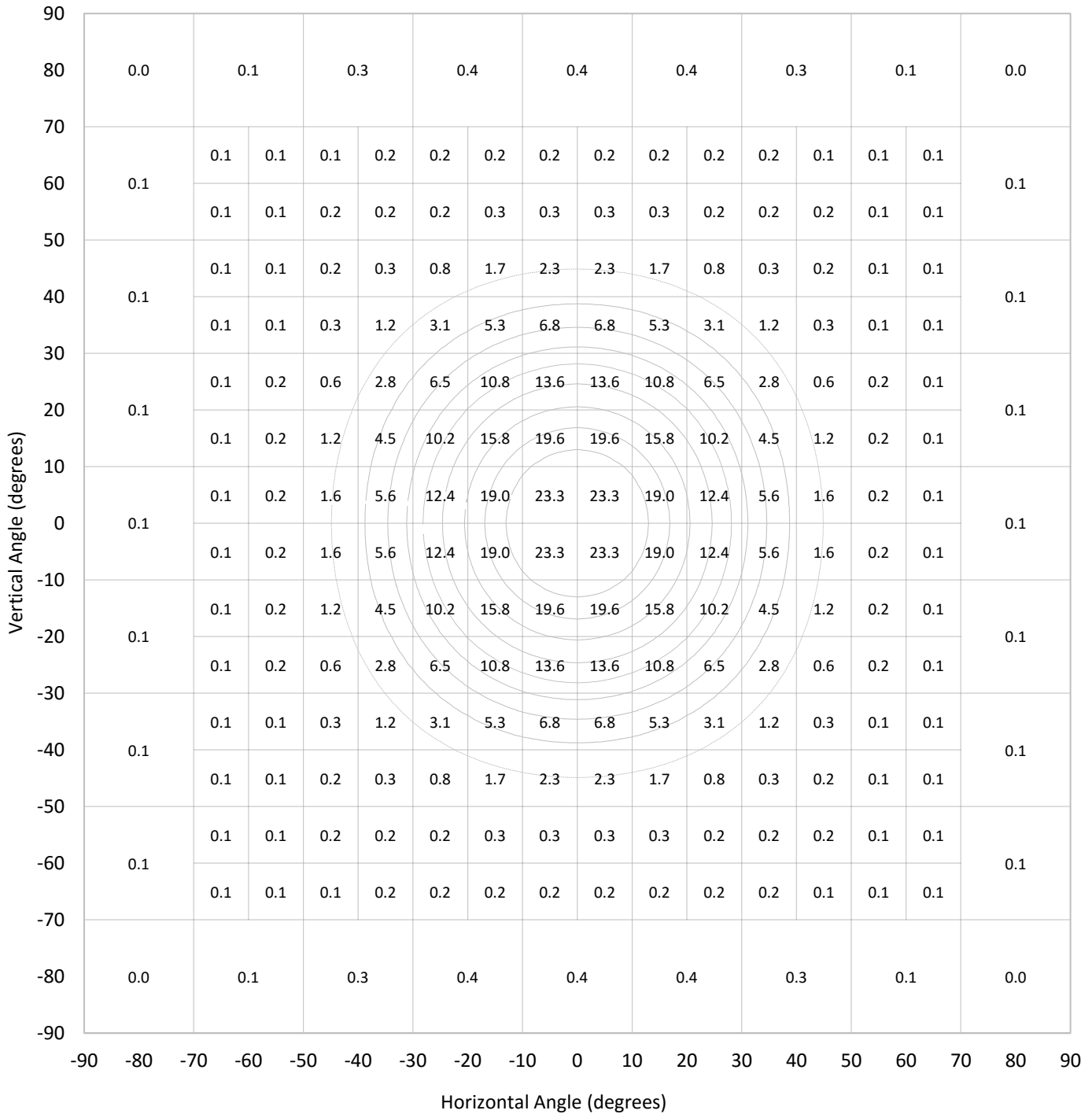
Iso-Candela Plot





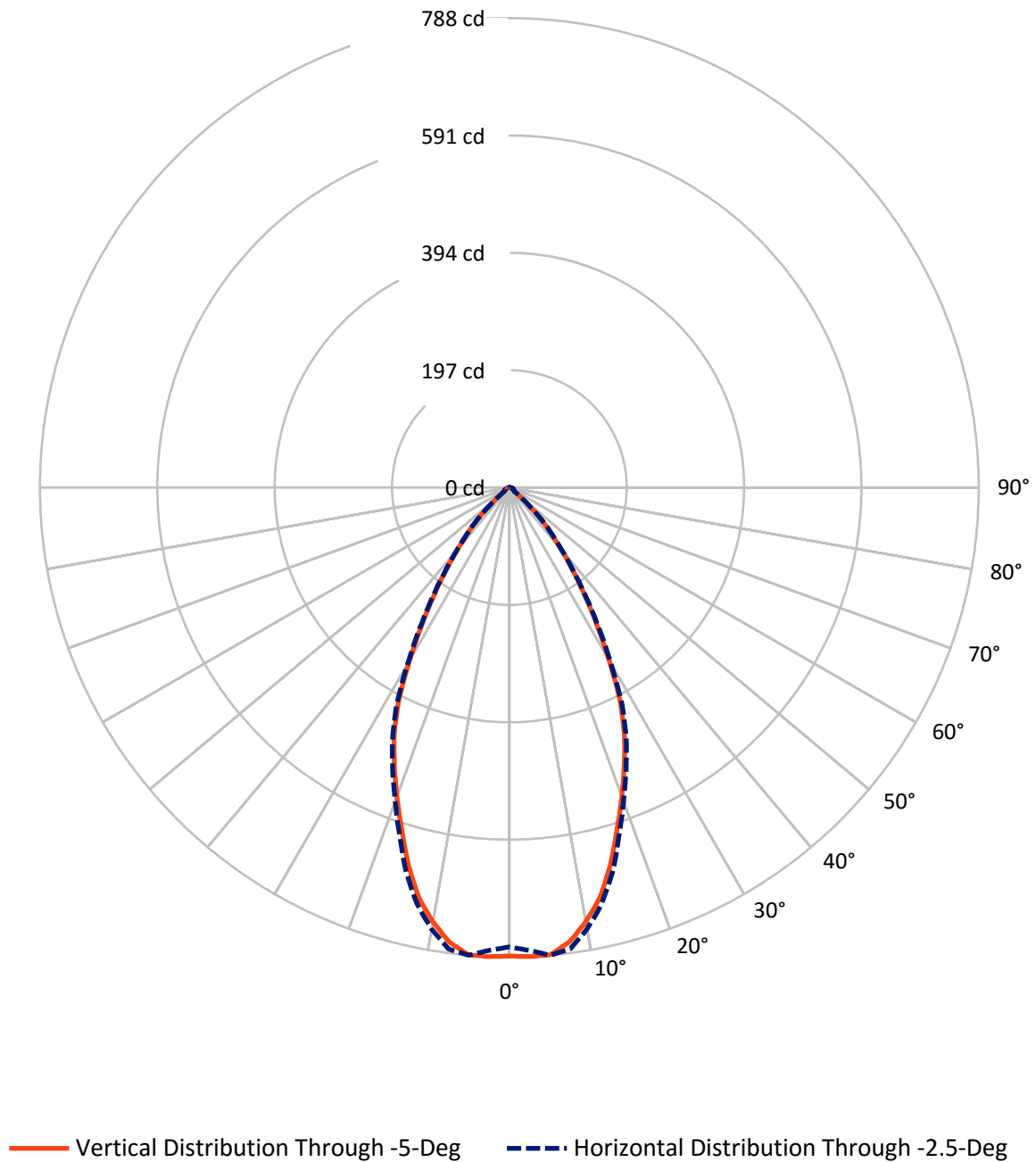
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

Lumen Table



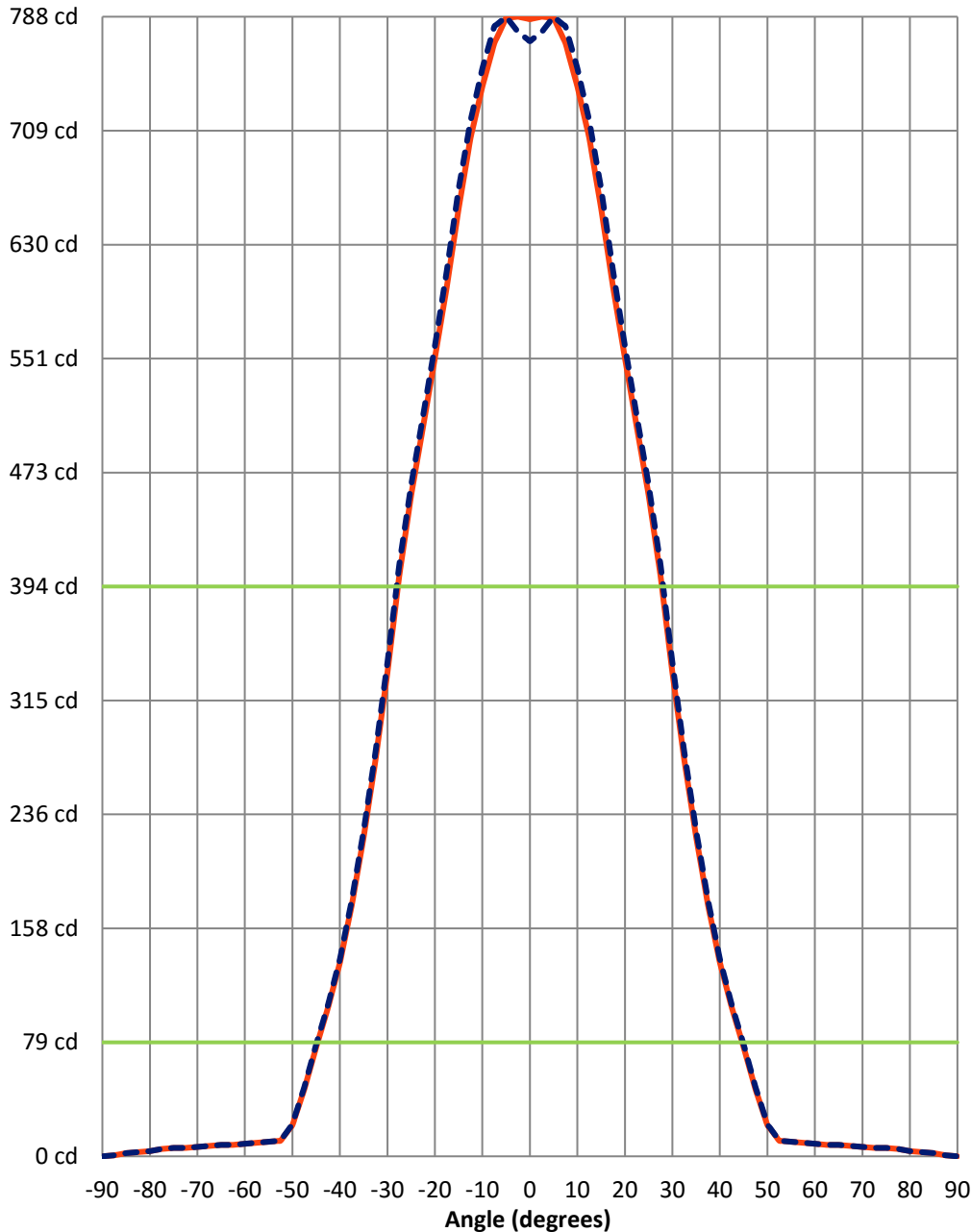
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 56.1°
 V Angle: 55.5°
 Lumens: 431.7
 Efficiency: 61.9%

Field:
 H Angle: 89.7°
 V Angle: 89.4°
 Lumens: 651.6
 Efficiency: 93.4%

Spill:
 Lumens: 46.3
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 85° | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 |
| 82.5° | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.9 | 1.1 |
| 80° | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 1.0 | 1.2 | 1.5 | 1.7 |
| 77.5° | 0.0 | 0.2 | 0.3 | 0.5 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 2.1 | 2.3 |
| 75° | 0.0 | 0.2 | 0.4 | 0.5 | 0.7 | 1.1 | 1.5 | 1.9 | 2.2 | 2.4 | 2.6 |
| 72.5° | 0.0 | 0.2 | 0.4 | 0.6 | 1.0 | 1.4 | 1.9 | 2.3 | 2.5 | 2.7 | 2.8 |
| 70° | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 | 1.7 | 2.2 | 2.5 | 2.7 | 2.9 | 3.1 |
| 67.5° | 0.0 | 0.3 | 0.5 | 0.9 | 1.5 | 2.1 | 2.4 | 2.7 | 2.9 | 3.2 | 3.4 |
| 65° | 0.0 | 0.3 | 0.6 | 1.1 | 1.7 | 2.3 | 2.6 | 2.8 | 3.1 | 3.4 | 3.8 |
| 62.5° | 0.0 | 0.3 | 0.6 | 1.3 | 2.0 | 2.4 | 2.7 | 3.0 | 3.3 | 3.7 | 4.4 |
| 60° | 0.0 | 0.3 | 0.7 | 1.4 | 2.2 | 2.5 | 2.9 | 3.2 | 3.6 | 4.2 | 4.9 |
| 57.5° | 0.0 | 0.4 | 0.8 | 1.6 | 2.3 | 2.7 | 3.0 | 3.4 | 4.0 | 4.7 | 5.3 |
| 55° | 0.0 | 0.4 | 0.9 | 1.8 | 2.4 | 2.8 | 3.2 | 3.6 | 4.4 | 5.2 | 5.5 |
| 52.5° | 0.0 | 0.4 | 1.0 | 1.9 | 2.5 | 2.9 | 3.3 | 3.9 | 4.8 | 5.4 | 5.8 |
| 50° | 0.0 | 0.4 | 1.1 | 2.1 | 2.6 | 3.0 | 3.5 | 4.3 | 5.2 | 5.6 | 5.8 |
| 47.5° | 0.0 | 0.5 | 1.2 | 2.2 | 2.7 | 3.2 | 3.6 | 4.6 | 5.3 | 5.8 | 5.8 |
| 45° | 0.0 | 0.5 | 1.3 | 2.3 | 2.8 | 3.3 | 3.9 | 5.0 | 5.5 | 5.8 | 5.8 |
| 42.5° | 0.0 | 0.5 | 1.4 | 2.3 | 2.9 | 3.4 | 4.2 | 5.2 | 5.7 | 5.8 | 6.0 |
| 40° | 0.0 | 0.5 | 1.5 | 2.4 | 2.9 | 3.5 | 4.5 | 5.3 | 5.8 | 5.8 | 6.2 |
| 37.5° | 0.0 | 0.6 | 1.6 | 2.5 | 3.0 | 3.6 | 4.7 | 5.5 | 5.8 | 5.8 | 6.4 |
| 35° | 0.0 | 0.6 | 1.7 | 2.5 | 3.1 | 3.7 | 4.9 | 5.6 | 5.8 | 6.0 | 6.6 |
| 32.5° | 0.0 | 0.6 | 1.7 | 2.6 | 3.2 | 3.9 | 5.1 | 5.7 | 5.8 | 6.2 | 6.7 |
| 30° | 0.0 | 0.6 | 1.8 | 2.6 | 3.2 | 4.1 | 5.2 | 5.8 | 5.8 | 6.3 | 6.9 |
| 27.5° | 0.0 | 0.6 | 1.9 | 2.7 | 3.3 | 4.2 | 5.3 | 5.8 | 5.8 | 6.5 | 7.1 |
| 25° | 0.0 | 0.6 | 1.9 | 2.7 | 3.3 | 4.4 | 5.4 | 5.8 | 6.0 | 6.6 | 7.2 |
| 22.5° | 0.0 | 0.6 | 2.0 | 2.7 | 3.4 | 4.5 | 5.5 | 5.8 | 6.1 | 6.7 | 7.3 |
| 20° | 0.0 | 0.7 | 2.0 | 2.8 | 3.4 | 4.6 | 5.5 | 5.8 | 6.1 | 6.8 | 7.5 |
| 17.5° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.7 | 5.6 | 5.8 | 6.2 | 6.9 | 7.6 |
| 15° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.8 | 5.7 | 5.8 | 6.3 | 7.0 | 7.6 |
| 12.5° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.9 | 5.7 | 5.8 | 6.4 | 7.0 | 7.7 |
| 10° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.0 | 5.7 | 5.8 | 6.4 | 7.1 | 7.8 |
| 7.5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.0 | 5.8 | 5.8 | 6.5 | 7.1 | 7.8 |
| 5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.1 | 5.8 | 5.8 | 6.5 | 7.2 | 7.9 |
| 2.5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.1 | 5.8 | 5.8 | 6.5 | 7.2 | 7.9 |
| 0° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.1 | 5.8 | 5.8 | 6.5 | 7.2 | 7.9 |
| -2.5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.1 | 5.8 | 5.8 | 6.5 | 7.2 | 7.9 |
| -5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.1 | 5.8 | 5.8 | 6.5 | 7.2 | 7.9 |
| -7.5° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.0 | 5.8 | 5.8 | 6.5 | 7.1 | 7.8 |
| -10° | 0.0 | 0.7 | 2.2 | 2.9 | 3.6 | 5.0 | 5.7 | 5.8 | 6.4 | 7.1 | 7.8 |
| -12.5° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.9 | 5.7 | 5.8 | 6.4 | 7.0 | 7.7 |
| -15° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.8 | 5.7 | 5.8 | 6.3 | 7.0 | 7.6 |
| -17.5° | 0.0 | 0.7 | 2.1 | 2.8 | 3.5 | 4.7 | 5.6 | 5.8 | 6.2 | 6.9 | 7.6 |
| -20° | 0.0 | 0.7 | 2.0 | 2.8 | 3.4 | 4.6 | 5.5 | 5.8 | 6.1 | 6.8 | 7.5 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0.0 | 0.6 | 2.0 | 2.7 | 3.4 | 4.5 | 5.5 | 5.8 | 6.1 | 6.7 | 7.3 |
| -25° | 0.0 | 0.6 | 1.9 | 2.7 | 3.3 | 4.4 | 5.4 | 5.8 | 6.0 | 6.6 | 7.2 |
| -27.5° | 0.0 | 0.6 | 1.9 | 2.7 | 3.3 | 4.2 | 5.3 | 5.8 | 5.8 | 6.5 | 7.1 |
| -30° | 0.0 | 0.6 | 1.8 | 2.6 | 3.2 | 4.1 | 5.2 | 5.8 | 5.8 | 6.3 | 6.9 |
| -32.5° | 0.0 | 0.6 | 1.7 | 2.6 | 3.2 | 3.9 | 5.1 | 5.7 | 5.8 | 6.2 | 6.7 |
| -35° | 0.0 | 0.6 | 1.7 | 2.5 | 3.1 | 3.7 | 4.9 | 5.6 | 5.8 | 6.0 | 6.6 |
| -37.5° | 0.0 | 0.6 | 1.6 | 2.5 | 3.0 | 3.6 | 4.7 | 5.5 | 5.8 | 5.8 | 6.4 |
| -40° | 0.0 | 0.5 | 1.5 | 2.4 | 2.9 | 3.5 | 4.5 | 5.3 | 5.8 | 5.8 | 6.2 |
| -42.5° | 0.0 | 0.5 | 1.4 | 2.3 | 2.9 | 3.4 | 4.2 | 5.2 | 5.7 | 5.8 | 6.0 |
| -45° | 0.0 | 0.5 | 1.3 | 2.3 | 2.8 | 3.3 | 3.9 | 5.0 | 5.5 | 5.8 | 5.8 |
| -47.5° | 0.0 | 0.5 | 1.2 | 2.2 | 2.7 | 3.2 | 3.6 | 4.6 | 5.3 | 5.8 | 5.8 |
| -50° | 0.0 | 0.4 | 1.1 | 2.1 | 2.6 | 3.0 | 3.5 | 4.3 | 5.2 | 5.6 | 5.8 |
| -52.5° | 0.0 | 0.4 | 1.0 | 1.9 | 2.5 | 2.9 | 3.3 | 3.9 | 4.8 | 5.4 | 5.8 |
| -55° | 0.0 | 0.4 | 0.9 | 1.8 | 2.4 | 2.8 | 3.2 | 3.6 | 4.4 | 5.2 | 5.5 |
| -57.5° | 0.0 | 0.4 | 0.8 | 1.6 | 2.3 | 2.7 | 3.0 | 3.4 | 4.0 | 4.7 | 5.3 |
| -60° | 0.0 | 0.3 | 0.7 | 1.4 | 2.2 | 2.5 | 2.9 | 3.2 | 3.6 | 4.2 | 4.9 |
| -62.5° | 0.0 | 0.3 | 0.6 | 1.3 | 2.0 | 2.4 | 2.7 | 3.0 | 3.3 | 3.7 | 4.4 |
| -65° | 0.0 | 0.3 | 0.6 | 1.1 | 1.7 | 2.3 | 2.6 | 2.8 | 3.1 | 3.4 | 3.8 |
| -67.5° | 0.0 | 0.3 | 0.5 | 0.9 | 1.5 | 2.1 | 2.4 | 2.7 | 2.9 | 3.2 | 3.4 |
| -70° | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 | 1.7 | 2.2 | 2.5 | 2.7 | 2.9 | 3.1 |
| -72.5° | 0.0 | 0.2 | 0.4 | 0.6 | 1.0 | 1.4 | 1.9 | 2.3 | 2.5 | 2.7 | 2.8 |
| -75° | 0.0 | 0.2 | 0.4 | 0.5 | 0.7 | 1.1 | 1.5 | 1.9 | 2.2 | 2.4 | 2.6 |
| -77.5° | 0.0 | 0.2 | 0.3 | 0.5 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 2.1 | 2.3 |
| -80° | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 1.0 | 1.2 | 1.5 | 1.7 |
| -82.5° | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.9 | 1.1 |
| -85° | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 |
| -87.5° | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| 85° | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 |
| 82.5° | 1.3 | 1.4 | 1.6 | 1.8 | 1.9 | 2.1 | 2.2 | 2.3 | 2.3 | 2.4 | 2.5 |
| 80° | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 2.9 | 3.0 |
| 77.5° | 2.4 | 2.5 | 2.7 | 2.8 | 2.9 | 3.0 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 75° | 2.7 | 2.9 | 3.0 | 3.2 | 3.3 | 3.5 | 3.6 | 3.9 | 4.2 | 4.5 | 4.7 |
| 72.5° | 3.0 | 3.2 | 3.4 | 3.6 | 3.9 | 4.3 | 4.6 | 5.0 | 5.2 | 5.3 | 5.5 |
| 70° | 3.3 | 3.6 | 4.0 | 4.4 | 4.8 | 5.2 | 5.3 | 5.5 | 5.7 | 5.8 | 5.8 |
| 67.5° | 3.7 | 4.2 | 4.7 | 5.2 | 5.4 | 5.6 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 65° | 4.4 | 4.9 | 5.3 | 5.5 | 5.8 | 5.8 | 5.8 | 5.8 | 6.0 | 6.2 | 6.4 |
| 62.5° | 5.0 | 5.3 | 5.6 | 5.8 | 5.8 | 5.8 | 6.0 | 6.2 | 6.5 | 6.7 | 6.9 |
| 60° | 5.3 | 5.7 | 5.8 | 5.8 | 5.9 | 6.1 | 6.4 | 6.7 | 7.0 | 7.2 | 7.4 |
| 57.5° | 5.6 | 5.8 | 5.8 | 5.9 | 6.2 | 6.6 | 6.9 | 7.2 | 7.4 | 7.7 | 7.9 |
| 55° | 5.8 | 5.8 | 5.9 | 6.3 | 6.6 | 7.0 | 7.3 | 7.6 | 7.9 | 7.9 | 7.9 |
| 52.5° | 5.8 | 5.9 | 6.2 | 6.6 | 7.0 | 7.3 | 7.7 | 7.9 | 7.9 | 8.0 | 8.3 |
| 50° | 5.8 | 6.1 | 6.6 | 7.0 | 7.3 | 7.7 | 7.9 | 7.9 | 8.2 | 8.5 | 8.9 |
| 47.5° | 6.0 | 6.4 | 6.9 | 7.3 | 7.7 | 7.9 | 7.9 | 8.2 | 8.7 | 9.0 | 9.4 |
| 45° | 6.2 | 6.7 | 7.2 | 7.6 | 7.9 | 7.9 | 8.2 | 8.7 | 9.1 | 9.5 | 9.9 |
| 42.5° | 6.5 | 7.0 | 7.4 | 7.9 | 7.9 | 8.2 | 8.7 | 9.1 | 9.5 | 9.9 | 10.3 |
| 40° | 6.7 | 7.2 | 7.7 | 7.9 | 8.0 | 8.5 | 9.0 | 9.5 | 9.9 | 10.4 | 10.8 |
| 37.5° | 6.9 | 7.4 | 7.9 | 7.9 | 8.3 | 8.9 | 9.4 | 9.9 | 10.3 | 10.8 | 17.8 |
| 35° | 7.1 | 7.7 | 7.9 | 8.1 | 8.7 | 9.2 | 9.7 | 10.2 | 10.7 | 17.1 | 27.9 |
| 32.5° | 7.3 | 7.9 | 7.9 | 8.4 | 8.9 | 9.5 | 10.0 | 10.6 | 15.2 | 25.0 | 43.1 |
| 30° | 7.5 | 7.9 | 8.0 | 8.6 | 9.2 | 9.8 | 10.3 | 12.0 | 20.9 | 38.6 | 58.9 |
| 27.5° | 7.7 | 7.9 | 8.2 | 8.9 | 9.5 | 10.0 | 10.6 | 17.0 | 31.1 | 51.9 | 74.7 |
| 25° | 7.8 | 7.9 | 8.4 | 9.1 | 9.7 | 10.3 | 12.0 | 21.7 | 42.4 | 65.7 | 88.6 |
| 22.5° | 7.9 | 7.9 | 8.6 | 9.3 | 9.9 | 10.5 | 16.0 | 30.6 | 53.4 | 78.5 | 101.4 |
| 20° | 7.9 | 8.1 | 8.8 | 9.4 | 10.1 | 10.7 | 19.7 | 39.4 | 64.3 | 89.4 | 114.3 |
| 17.5° | 7.9 | 8.2 | 8.9 | 9.6 | 10.2 | 12.2 | 23.6 | 47.3 | 74.1 | 99.2 | 126.6 |
| 15° | 7.9 | 8.3 | 9.1 | 9.7 | 10.4 | 14.9 | 30.0 | 55.2 | 82.4 | 108.3 | 137.5 |
| 12.5° | 7.9 | 8.5 | 9.2 | 9.8 | 10.5 | 17.2 | 35.5 | 62.0 | 89.3 | 116.9 | 149.7 |
| 10° | 7.9 | 8.5 | 9.2 | 9.9 | 10.6 | 19.0 | 40.1 | 67.7 | 95.0 | 124.1 | 159.8 |
| 7.5° | 7.9 | 8.6 | 9.3 | 10.0 | 10.7 | 20.5 | 43.7 | 72.1 | 99.5 | 129.7 | 167.8 |
| 5° | 7.9 | 8.7 | 9.4 | 10.1 | 10.8 | 21.6 | 46.2 | 75.3 | 102.8 | 133.8 | 173.5 |
| 2.5° | 7.9 | 8.7 | 9.4 | 10.1 | 10.8 | 22.2 | 47.8 | 77.3 | 104.7 | 136.3 | 177.0 |
| 0° | 7.9 | 8.7 | 9.4 | 10.1 | 10.8 | 22.4 | 48.3 | 77.9 | 105.4 | 137.1 | 178.2 |
| -2.5° | 7.9 | 8.7 | 9.4 | 10.1 | 10.8 | 22.2 | 47.8 | 77.3 | 104.7 | 136.3 | 177.0 |
| -5° | 7.9 | 8.7 | 9.4 | 10.1 | 10.8 | 21.6 | 46.2 | 75.3 | 102.8 | 133.8 | 173.5 |
| -7.5° | 7.9 | 8.6 | 9.3 | 10.0 | 10.7 | 20.5 | 43.7 | 72.1 | 99.5 | 129.7 | 167.8 |
| -10° | 7.9 | 8.5 | 9.2 | 9.9 | 10.6 | 19.0 | 40.1 | 67.7 | 95.0 | 124.1 | 159.8 |
| -12.5° | 7.9 | 8.5 | 9.2 | 9.8 | 10.5 | 17.2 | 35.5 | 62.0 | 89.3 | 116.9 | 149.7 |
| -15° | 7.9 | 8.3 | 9.1 | 9.7 | 10.4 | 14.9 | 30.0 | 55.2 | 82.4 | 108.3 | 137.5 |
| -17.5° | 7.9 | 8.2 | 8.9 | 9.6 | 10.2 | 12.2 | 23.6 | 47.3 | 74.1 | 99.2 | 126.6 |
| -20° | 7.9 | 8.1 | 8.8 | 9.4 | 10.1 | 10.7 | 19.7 | 39.4 | 64.3 | 89.4 | 114.3 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 7.9 | 7.9 | 8.6 | 9.3 | 9.9 | 10.5 | 16.0 | 30.6 | 53.4 | 78.5 | 101.4 |
| -25° | 7.8 | 7.9 | 8.4 | 9.1 | 9.7 | 10.3 | 12.0 | 21.7 | 42.4 | 65.7 | 88.6 |
| -27.5° | 7.7 | 7.9 | 8.2 | 8.9 | 9.5 | 10.0 | 10.6 | 17.0 | 31.1 | 51.9 | 74.7 |
| -30° | 7.5 | 7.9 | 8.0 | 8.6 | 9.2 | 9.8 | 10.3 | 12.0 | 20.9 | 38.6 | 58.9 |
| -32.5° | 7.3 | 7.9 | 7.9 | 8.4 | 8.9 | 9.5 | 10.0 | 10.6 | 15.2 | 25.0 | 43.1 |
| -35° | 7.1 | 7.7 | 7.9 | 8.1 | 8.7 | 9.2 | 9.7 | 10.2 | 10.7 | 17.1 | 27.9 |
| -37.5° | 6.9 | 7.4 | 7.9 | 7.9 | 8.3 | 8.9 | 9.4 | 9.9 | 10.3 | 10.8 | 17.8 |
| -40° | 6.7 | 7.2 | 7.7 | 7.9 | 8.0 | 8.5 | 9.0 | 9.5 | 9.9 | 10.4 | 10.8 |
| -42.5° | 6.5 | 7.0 | 7.4 | 7.9 | 7.9 | 8.2 | 8.7 | 9.1 | 9.5 | 9.9 | 10.3 |
| -45° | 6.2 | 6.7 | 7.2 | 7.6 | 7.9 | 7.9 | 8.2 | 8.7 | 9.1 | 9.5 | 9.9 |
| -47.5° | 6.0 | 6.4 | 6.9 | 7.3 | 7.7 | 7.9 | 7.9 | 8.2 | 8.7 | 9.0 | 9.4 |
| -50° | 5.8 | 6.1 | 6.6 | 7.0 | 7.3 | 7.7 | 7.9 | 7.9 | 8.2 | 8.5 | 8.9 |
| -52.5° | 5.8 | 5.9 | 6.2 | 6.6 | 7.0 | 7.3 | 7.7 | 7.9 | 7.9 | 8.0 | 8.3 |
| -55° | 5.8 | 5.8 | 5.9 | 6.3 | 6.6 | 7.0 | 7.3 | 7.6 | 7.9 | 7.9 | 7.9 |
| -57.5° | 5.6 | 5.8 | 5.8 | 5.9 | 6.2 | 6.6 | 6.9 | 7.2 | 7.4 | 7.7 | 7.9 |
| -60° | 5.3 | 5.7 | 5.8 | 5.8 | 5.9 | 6.1 | 6.4 | 6.7 | 7.0 | 7.2 | 7.4 |
| -62.5° | 5.0 | 5.3 | 5.6 | 5.8 | 5.8 | 5.8 | 6.0 | 6.2 | 6.5 | 6.7 | 6.9 |
| -65° | 4.4 | 4.9 | 5.3 | 5.5 | 5.8 | 5.8 | 5.8 | 5.8 | 6.0 | 6.2 | 6.4 |
| -67.5° | 3.7 | 4.2 | 4.7 | 5.2 | 5.4 | 5.6 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| -70° | 3.3 | 3.6 | 4.0 | 4.4 | 4.8 | 5.2 | 5.3 | 5.5 | 5.7 | 5.8 | 5.8 |
| -72.5° | 3.0 | 3.2 | 3.4 | 3.6 | 3.9 | 4.3 | 4.6 | 5.0 | 5.2 | 5.3 | 5.5 |
| -75° | 2.7 | 2.9 | 3.0 | 3.2 | 3.3 | 3.5 | 3.6 | 3.9 | 4.2 | 4.5 | 4.7 |
| -77.5° | 2.4 | 2.5 | 2.7 | 2.8 | 2.9 | 3.0 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| -80° | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 2.9 | 3.0 |
| -82.5° | 1.3 | 1.4 | 1.6 | 1.8 | 1.9 | 2.1 | 2.2 | 2.3 | 2.3 | 2.4 | 2.5 |
| -85° | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 |
| -87.5° | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 1.7 | 1.7 | 1.8 | 1.9 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.2 |
| 82.5° | 2.5 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.9 |
| 80° | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 3.6 |
| 77.5° | 3.7 | 3.9 | 4.1 | 4.2 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 |
| 75° | 4.9 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 |
| 72.5° | 5.6 | 5.7 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 70° | 5.8 | 5.8 | 5.8 | 5.8 | 6.0 | 6.1 | 6.1 | 6.2 | 6.3 | 6.4 | 6.4 |
| 67.5° | 6.0 | 6.2 | 6.3 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.0 | 7.1 |
| 65° | 6.6 | 6.7 | 6.9 | 7.1 | 7.2 | 7.3 | 7.5 | 7.6 | 7.6 | 7.7 | 7.8 |
| 62.5° | 7.1 | 7.3 | 7.5 | 7.7 | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 60° | 7.7 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 8.1 | 8.2 | 8.3 | 8.5 | 8.5 |
| 57.5° | 7.9 | 7.9 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 8.9 | 9.1 | 9.2 | 9.2 |
| 55° | 8.1 | 8.4 | 8.6 | 8.9 | 9.1 | 9.3 | 9.4 | 9.6 | 9.7 | 9.8 | 9.9 |
| 52.5° | 8.7 | 8.9 | 9.2 | 9.5 | 9.7 | 9.9 | 10.1 | 10.2 | 10.4 | 10.5 | 10.6 |
| 50° | 9.2 | 9.5 | 9.8 | 10.0 | 10.3 | 10.5 | 10.7 | 12.2 | 14.9 | 17.2 | 19.0 |
| 47.5° | 9.7 | 10.0 | 10.3 | 10.6 | 12.0 | 16.0 | 19.7 | 23.6 | 30.0 | 35.5 | 40.1 |
| 45° | 10.2 | 10.6 | 12.0 | 17.0 | 21.7 | 30.6 | 39.4 | 47.3 | 55.2 | 62.0 | 67.7 |
| 42.5° | 10.7 | 15.2 | 20.9 | 31.1 | 42.4 | 53.4 | 64.3 | 74.1 | 82.4 | 89.3 | 95.0 |
| 40° | 17.1 | 25.0 | 38.6 | 51.9 | 65.7 | 78.5 | 89.4 | 99.2 | 108.3 | 116.9 | 124.1 |
| 37.5° | 27.9 | 43.1 | 58.9 | 74.7 | 88.6 | 101.4 | 114.3 | 126.6 | 137.5 | 149.7 | 159.8 |
| 35° | 44.6 | 62.5 | 80.0 | 95.5 | 110.9 | 126.7 | 142.6 | 159.7 | 174.9 | 189.9 | 202.9 |
| 32.5° | 62.5 | 81.7 | 99.0 | 117.1 | 135.2 | 156.6 | 176.9 | 198.5 | 217.9 | 236.0 | 252.0 |
| 30° | 80.0 | 99.0 | 119.2 | 140.2 | 165.2 | 190.6 | 216.3 | 241.6 | 265.5 | 287.0 | 306.9 |
| 27.5° | 95.5 | 117.1 | 140.2 | 168.1 | 197.6 | 227.3 | 258.6 | 288.2 | 317.6 | 343.4 | 366.2 |
| 25° | 110.9 | 135.2 | 165.2 | 197.6 | 231.5 | 267.3 | 303.5 | 338.8 | 372.3 | 404.7 | 427.9 |
| 22.5° | 126.7 | 156.6 | 190.6 | 227.3 | 267.3 | 308.7 | 349.9 | 392.5 | 427.5 | 454.5 | 475.6 |
| 20° | 142.6 | 176.9 | 216.3 | 258.6 | 303.5 | 349.9 | 399.3 | 438.5 | 469.8 | 496.0 | 518.7 |
| 17.5° | 159.7 | 198.5 | 241.6 | 288.2 | 338.8 | 392.5 | 438.5 | 474.9 | 506.4 | 536.2 | 561.4 |
| 15° | 174.9 | 217.9 | 265.5 | 317.6 | 372.3 | 427.5 | 469.8 | 506.4 | 542.3 | 574.3 | 605.5 |
| 12.5° | 189.9 | 236.0 | 287.0 | 343.4 | 404.7 | 454.5 | 496.0 | 536.2 | 574.3 | 613.5 | 651.2 |
| 10° | 202.9 | 252.0 | 306.9 | 366.2 | 427.9 | 475.6 | 518.7 | 561.4 | 605.5 | 651.2 | 692.0 |
| 7.5° | 213.2 | 264.7 | 322.7 | 386.5 | 445.3 | 492.1 | 537.9 | 583.2 | 633.3 | 682.8 | 719.8 |
| 5° | 220.6 | 273.9 | 334.2 | 401.2 | 456.8 | 504.0 | 551.8 | 600.8 | 655.0 | 703.7 | 739.4 |
| 2.5° | 225.1 | 279.5 | 341.2 | 408.8 | 463.8 | 511.6 | 560.1 | 612.0 | 668.6 | 715.6 | 751.9 |
| 0° | 226.6 | 281.4 | 343.5 | 411.4 | 466.2 | 514.2 | 562.9 | 615.9 | 673.3 | 719.5 | 756.3 |
| -2.5° | 225.1 | 279.5 | 341.2 | 408.8 | 463.8 | 511.6 | 560.1 | 612.0 | 668.6 | 715.6 | 751.9 |
| -5° | 220.6 | 273.9 | 334.2 | 401.2 | 456.8 | 504.0 | 551.8 | 600.8 | 655.0 | 703.7 | 739.4 |
| -7.5° | 213.2 | 264.7 | 322.7 | 386.5 | 445.3 | 492.1 | 537.9 | 583.2 | 633.3 | 682.8 | 719.8 |
| -10° | 202.9 | 252.0 | 306.9 | 366.2 | 427.9 | 475.6 | 518.7 | 561.4 | 605.5 | 651.2 | 692.0 |
| -12.5° | 189.9 | 236.0 | 287.0 | 343.4 | 404.7 | 454.5 | 496.0 | 536.2 | 574.3 | 613.5 | 651.2 |
| -15° | 174.9 | 217.9 | 265.5 | 317.6 | 372.3 | 427.5 | 469.8 | 506.4 | 542.3 | 574.3 | 605.5 |
| -17.5° | 159.7 | 198.5 | 241.6 | 288.2 | 338.8 | 392.5 | 438.5 | 474.9 | 506.4 | 536.2 | 561.4 |
| -20° | 142.6 | 176.9 | 216.3 | 258.6 | 303.5 | 349.9 | 399.3 | 438.5 | 469.8 | 496.0 | 518.7 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| -22.5° | 126.7 | 156.6 | 190.6 | 227.3 | 267.3 | 308.7 | 349.9 | 392.5 | 427.5 | 454.5 | 475.6 |
| -25° | 110.9 | 135.2 | 165.2 | 197.6 | 231.5 | 267.3 | 303.5 | 338.8 | 372.3 | 404.7 | 427.9 |
| -27.5° | 95.5 | 117.1 | 140.2 | 168.1 | 197.6 | 227.3 | 258.6 | 288.2 | 317.6 | 343.4 | 366.2 |
| -30° | 80.0 | 99.0 | 119.2 | 140.2 | 165.2 | 190.6 | 216.3 | 241.6 | 265.5 | 287.0 | 306.9 |
| -32.5° | 62.5 | 81.7 | 99.0 | 117.1 | 135.2 | 156.6 | 176.9 | 198.5 | 217.9 | 236.0 | 252.0 |
| -35° | 44.6 | 62.5 | 80.0 | 95.5 | 110.9 | 126.7 | 142.6 | 159.7 | 174.9 | 189.9 | 202.9 |
| -37.5° | 27.9 | 43.1 | 58.9 | 74.7 | 88.6 | 101.4 | 114.3 | 126.6 | 137.5 | 149.7 | 159.8 |
| -40° | 17.1 | 25.0 | 38.6 | 51.9 | 65.7 | 78.5 | 89.4 | 99.2 | 108.3 | 116.9 | 124.1 |
| -42.5° | 10.7 | 15.2 | 20.9 | 31.1 | 42.4 | 53.4 | 64.3 | 74.1 | 82.4 | 89.3 | 95.0 |
| -45° | 10.2 | 10.6 | 12.0 | 17.0 | 21.7 | 30.6 | 39.4 | 47.3 | 55.2 | 62.0 | 67.7 |
| -47.5° | 9.7 | 10.0 | 10.3 | 10.6 | 12.0 | 16.0 | 19.7 | 23.6 | 30.0 | 35.5 | 40.1 |
| -50° | 9.2 | 9.5 | 9.8 | 10.0 | 10.3 | 10.5 | 10.7 | 12.2 | 14.9 | 17.2 | 19.0 |
| -52.5° | 8.7 | 8.9 | 9.2 | 9.5 | 9.7 | 9.9 | 10.1 | 10.2 | 10.4 | 10.5 | 10.6 |
| -55° | 8.1 | 8.4 | 8.6 | 8.9 | 9.1 | 9.3 | 9.4 | 9.6 | 9.7 | 9.8 | 9.9 |
| -57.5° | 7.9 | 7.9 | 8.0 | 8.2 | 8.4 | 8.6 | 8.8 | 8.9 | 9.1 | 9.2 | 9.2 |
| -60° | 7.7 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 8.1 | 8.2 | 8.3 | 8.5 | 8.5 |
| -62.5° | 7.1 | 7.3 | 7.5 | 7.7 | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| -65° | 6.6 | 6.7 | 6.9 | 7.1 | 7.2 | 7.3 | 7.5 | 7.6 | 7.6 | 7.7 | 7.8 |
| -67.5° | 6.0 | 6.2 | 6.3 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.0 | 7.1 |
| -70° | 5.8 | 5.8 | 5.8 | 5.8 | 6.0 | 6.1 | 6.1 | 6.2 | 6.3 | 6.4 | 6.4 |
| -72.5° | 5.6 | 5.7 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| -75° | 4.9 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 |
| -77.5° | 3.7 | 3.9 | 4.1 | 4.2 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 |
| -80° | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 3.6 |
| -82.5° | 2.5 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.9 |
| -85° | 1.7 | 1.7 | 1.8 | 1.9 | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.2 |
| -87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 |
| 82.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 |
| 80° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 |
| 77.5° | 5.0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | 4.9 | 4.8 | 4.7 |
| 75° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.7 | 5.7 | 5.6 |
| 72.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 70° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 6.3 | 6.2 |
| 67.5° | 7.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.1 | 7.0 | 7.0 | 6.9 |
| 65° | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.8 | 7.8 | 7.7 | 7.6 | 7.6 |
| 62.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 60° | 8.6 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.6 | 8.5 | 8.5 | 8.3 | 8.2 |
| 57.5° | 9.3 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.3 | 9.2 | 9.2 | 9.1 | 8.9 |
| 55° | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 |
| 52.5° | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.7 | 10.6 | 10.5 | 10.4 | 10.2 |
| 50° | 20.5 | 21.6 | 22.2 | 22.4 | 22.2 | 21.6 | 20.5 | 19.0 | 17.2 | 14.9 | 12.2 |
| 47.5° | 43.7 | 46.2 | 47.8 | 48.3 | 47.8 | 46.2 | 43.7 | 40.1 | 35.5 | 30.0 | 23.6 |
| 45° | 72.1 | 75.3 | 77.3 | 77.9 | 77.3 | 75.3 | 72.1 | 67.7 | 62.0 | 55.2 | 47.3 |
| 42.5° | 99.5 | 102.8 | 104.7 | 105.4 | 104.7 | 102.8 | 99.5 | 95.0 | 89.3 | 82.4 | 74.1 |
| 40° | 129.7 | 133.8 | 136.3 | 137.1 | 136.3 | 133.8 | 129.7 | 124.1 | 116.9 | 108.3 | 99.2 |
| 37.5° | 167.8 | 173.5 | 177.0 | 178.2 | 177.0 | 173.5 | 167.8 | 159.8 | 149.7 | 137.5 | 126.6 |
| 35° | 213.2 | 220.6 | 225.1 | 226.6 | 225.1 | 220.6 | 213.2 | 202.9 | 189.9 | 174.9 | 159.7 |
| 32.5° | 264.7 | 273.9 | 279.5 | 281.4 | 279.5 | 273.9 | 264.7 | 252.0 | 236.0 | 217.9 | 198.5 |
| 30° | 322.7 | 334.2 | 341.2 | 343.5 | 341.2 | 334.2 | 322.7 | 306.9 | 287.0 | 265.5 | 241.6 |
| 27.5° | 386.5 | 401.2 | 408.8 | 411.4 | 408.8 | 401.2 | 386.5 | 366.2 | 343.4 | 317.6 | 288.2 |
| 25° | 445.3 | 456.8 | 463.8 | 466.2 | 463.8 | 456.8 | 445.3 | 427.9 | 404.7 | 372.3 | 338.8 |
| 22.5° | 492.1 | 504.0 | 511.6 | 514.2 | 511.6 | 504.0 | 492.1 | 475.6 | 454.5 | 427.5 | 392.5 |
| 20° | 537.9 | 551.8 | 560.1 | 562.9 | 560.1 | 551.8 | 537.9 | 518.7 | 496.0 | 469.8 | 438.5 |
| 17.5° | 583.2 | 600.8 | 612.0 | 615.9 | 612.0 | 600.8 | 583.2 | 561.4 | 536.2 | 506.4 | 474.9 |
| 15° | 633.3 | 655.0 | 668.6 | 673.3 | 668.6 | 655.0 | 633.3 | 605.5 | 574.3 | 542.3 | 506.4 |
| 12.5° | 682.8 | 703.7 | 715.6 | 719.5 | 715.6 | 703.7 | 682.8 | 651.2 | 613.5 | 574.3 | 536.2 |
| 10° | 719.8 | 739.4 | 751.9 | 756.3 | 751.9 | 739.4 | 719.8 | 692.0 | 651.2 | 605.5 | 561.4 |
| 7.5° | 747.7 | 769.2 | 780.8 | 783.7 | 780.8 | 769.2 | 747.7 | 719.8 | 682.8 | 633.3 | 583.2 |
| 5° | 769.2 | 786.8 | 787.6 | 785.9 | 787.6 | 786.8 | 769.2 | 739.4 | 703.7 | 655.0 | 600.8 |
| 2.5° | 780.8 | 787.6 | 777.1 | 770.7 | 777.1 | 787.6 | 780.8 | 751.9 | 715.6 | 668.6 | 612.0 |
| 0° | 783.7 | 785.9 | 770.7 | 768.5 | 770.7 | 785.9 | 783.7 | 756.3 | 719.5 | 673.3 | 615.9 |
| -2.5° | 780.8 | 787.6 | 777.1 | 770.7 | 777.1 | 787.6 | 780.8 | 751.9 | 715.6 | 668.6 | 612.0 |
| -5° | 769.2 | 786.8 | 787.6 | 785.9 | 787.6 | 786.8 | 769.2 | 739.4 | 703.7 | 655.0 | 600.8 |
| -7.5° | 747.7 | 769.2 | 780.8 | 783.7 | 780.8 | 769.2 | 747.7 | 719.8 | 682.8 | 633.3 | 583.2 |
| -10° | 719.8 | 739.4 | 751.9 | 756.3 | 751.9 | 739.4 | 719.8 | 692.0 | 651.2 | 605.5 | 561.4 |
| -12.5° | 682.8 | 703.7 | 715.6 | 719.5 | 715.6 | 703.7 | 682.8 | 651.2 | 613.5 | 574.3 | 536.2 |
| -15° | 633.3 | 655.0 | 668.6 | 673.3 | 668.6 | 655.0 | 633.3 | 605.5 | 574.3 | 542.3 | 506.4 |
| -17.5° | 583.2 | 600.8 | 612.0 | 615.9 | 612.0 | 600.8 | 583.2 | 561.4 | 536.2 | 506.4 | 474.9 |
| -20° | 537.9 | 551.8 | 560.1 | 562.9 | 560.1 | 551.8 | 537.9 | 518.7 | 496.0 | 469.8 | 438.5 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -22.5° | 492.1 | 504.0 | 511.6 | 514.2 | 511.6 | 504.0 | 492.1 | 475.6 | 454.5 | 427.5 | 392.5 |
| -25° | 445.3 | 456.8 | 463.8 | 466.2 | 463.8 | 456.8 | 445.3 | 427.9 | 404.7 | 372.3 | 338.8 |
| -27.5° | 386.5 | 401.2 | 408.8 | 411.4 | 408.8 | 401.2 | 386.5 | 366.2 | 343.4 | 317.6 | 288.2 |
| -30° | 322.7 | 334.2 | 341.2 | 343.5 | 341.2 | 334.2 | 322.7 | 306.9 | 287.0 | 265.5 | 241.6 |
| -32.5° | 264.7 | 273.9 | 279.5 | 281.4 | 279.5 | 273.9 | 264.7 | 252.0 | 236.0 | 217.9 | 198.5 |
| -35° | 213.2 | 220.6 | 225.1 | 226.6 | 225.1 | 220.6 | 213.2 | 202.9 | 189.9 | 174.9 | 159.7 |
| -37.5° | 167.8 | 173.5 | 177.0 | 178.2 | 177.0 | 173.5 | 167.8 | 159.8 | 149.7 | 137.5 | 126.6 |
| -40° | 129.7 | 133.8 | 136.3 | 137.1 | 136.3 | 133.8 | 129.7 | 124.1 | 116.9 | 108.3 | 99.2 |
| -42.5° | 99.5 | 102.8 | 104.7 | 105.4 | 104.7 | 102.8 | 99.5 | 95.0 | 89.3 | 82.4 | 74.1 |
| -45° | 72.1 | 75.3 | 77.3 | 77.9 | 77.3 | 75.3 | 72.1 | 67.7 | 62.0 | 55.2 | 47.3 |
| -47.5° | 43.7 | 46.2 | 47.8 | 48.3 | 47.8 | 46.2 | 43.7 | 40.1 | 35.5 | 30.0 | 23.6 |
| -50° | 20.5 | 21.6 | 22.2 | 22.4 | 22.2 | 21.6 | 20.5 | 19.0 | 17.2 | 14.9 | 12.2 |
| -52.5° | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.7 | 10.6 | 10.5 | 10.4 | 10.2 |
| -55° | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 |
| -57.5° | 9.3 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.3 | 9.2 | 9.2 | 9.1 | 8.9 |
| -60° | 8.6 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.6 | 8.5 | 8.5 | 8.3 | 8.2 |
| -62.5° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| -65° | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.8 | 7.8 | 7.7 | 7.6 | 7.6 |
| -67.5° | 7.1 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.1 | 7.0 | 7.0 | 6.9 |
| -70° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 6.3 | 6.2 |
| -72.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| -75° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.7 | 5.7 | 5.6 |
| -77.5° | 5.0 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | 4.9 | 4.8 | 4.7 |
| -80° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 |
| -82.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 |
| -85° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 |
| -87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 |
| 85° | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 |
| 82.5° | 2.8 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.3 | 2.3 |
| 80° | 3.4 | 3.4 | 3.3 | 3.3 | 3.2 | 3.2 | 3.1 | 3.0 | 2.9 | 2.9 | 2.8 |
| 77.5° | 4.6 | 4.5 | 4.4 | 4.2 | 4.1 | 3.9 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 |
| 75° | 5.5 | 5.5 | 5.4 | 5.3 | 5.2 | 5.1 | 4.9 | 4.7 | 4.5 | 4.2 | 3.9 |
| 72.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.6 | 5.5 | 5.3 | 5.2 | 5.0 |
| 70° | 6.1 | 6.1 | 6.0 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.5 |
| 67.5° | 6.8 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.0 | 5.8 | 5.8 | 5.8 | 5.8 |
| 65° | 7.5 | 7.3 | 7.2 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 |
| 62.5° | 7.9 | 7.9 | 7.8 | 7.7 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.2 |
| 60° | 8.1 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.7 | 7.4 | 7.2 | 7.0 | 6.7 |
| 57.5° | 8.8 | 8.6 | 8.4 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 | 7.7 | 7.4 | 7.2 |
| 55° | 9.4 | 9.3 | 9.1 | 8.9 | 8.6 | 8.4 | 8.1 | 7.9 | 7.9 | 7.9 | 7.6 |
| 52.5° | 10.1 | 9.9 | 9.7 | 9.5 | 9.2 | 8.9 | 8.7 | 8.3 | 8.0 | 7.9 | 7.9 |
| 50° | 10.7 | 10.5 | 10.3 | 10.0 | 9.8 | 9.5 | 9.2 | 8.9 | 8.5 | 8.2 | 7.9 |
| 47.5° | 19.7 | 16.0 | 12.0 | 10.6 | 10.3 | 10.0 | 9.7 | 9.4 | 9.0 | 8.7 | 8.2 |
| 45° | 39.4 | 30.6 | 21.7 | 17.0 | 12.0 | 10.6 | 10.2 | 9.9 | 9.5 | 9.1 | 8.7 |
| 42.5° | 64.3 | 53.4 | 42.4 | 31.1 | 20.9 | 15.2 | 10.7 | 10.3 | 9.9 | 9.5 | 9.1 |
| 40° | 89.4 | 78.5 | 65.7 | 51.9 | 38.6 | 25.0 | 17.1 | 10.8 | 10.4 | 9.9 | 9.5 |
| 37.5° | 114.3 | 101.4 | 88.6 | 74.7 | 58.9 | 43.1 | 27.9 | 17.8 | 10.8 | 10.3 | 9.9 |
| 35° | 142.6 | 126.7 | 110.9 | 95.5 | 80.0 | 62.5 | 44.6 | 27.9 | 17.1 | 10.7 | 10.2 |
| 32.5° | 176.9 | 156.6 | 135.2 | 117.1 | 99.0 | 81.7 | 62.5 | 43.1 | 25.0 | 15.2 | 10.6 |
| 30° | 216.3 | 190.6 | 165.2 | 140.2 | 119.2 | 99.0 | 80.0 | 58.9 | 38.6 | 20.9 | 12.0 |
| 27.5° | 258.6 | 227.3 | 197.6 | 168.1 | 140.2 | 117.1 | 95.5 | 74.7 | 51.9 | 31.1 | 17.0 |
| 25° | 303.5 | 267.3 | 231.5 | 197.6 | 165.2 | 135.2 | 110.9 | 88.6 | 65.7 | 42.4 | 21.7 |
| 22.5° | 349.9 | 308.7 | 267.3 | 227.3 | 190.6 | 156.6 | 126.7 | 101.4 | 78.5 | 53.4 | 30.6 |
| 20° | 399.3 | 349.9 | 303.5 | 258.6 | 216.3 | 176.9 | 142.6 | 114.3 | 89.4 | 64.3 | 39.4 |
| 17.5° | 438.5 | 392.5 | 338.8 | 288.2 | 241.6 | 198.5 | 159.7 | 126.6 | 99.2 | 74.1 | 47.3 |
| 15° | 469.8 | 427.5 | 372.3 | 317.6 | 265.5 | 217.9 | 174.9 | 137.5 | 108.3 | 82.4 | 55.2 |
| 12.5° | 496.0 | 454.5 | 404.7 | 343.4 | 287.0 | 236.0 | 189.9 | 149.7 | 116.9 | 89.3 | 62.0 |
| 10° | 518.7 | 475.6 | 427.9 | 366.2 | 306.9 | 252.0 | 202.9 | 159.8 | 124.1 | 95.0 | 67.7 |
| 7.5° | 537.9 | 492.1 | 445.3 | 386.5 | 322.7 | 264.7 | 213.2 | 167.8 | 129.7 | 99.5 | 72.1 |
| 5° | 551.8 | 504.0 | 456.8 | 401.2 | 334.2 | 273.9 | 220.6 | 173.5 | 133.8 | 102.8 | 75.3 |
| 2.5° | 560.1 | 511.6 | 463.8 | 408.8 | 341.2 | 279.5 | 225.1 | 177.0 | 136.3 | 104.7 | 77.3 |
| 0° | 562.9 | 514.2 | 466.2 | 411.4 | 343.5 | 281.4 | 226.6 | 178.2 | 137.1 | 105.4 | 77.9 |
| -2.5° | 560.1 | 511.6 | 463.8 | 408.8 | 341.2 | 279.5 | 225.1 | 177.0 | 136.3 | 104.7 | 77.3 |
| -5° | 551.8 | 504.0 | 456.8 | 401.2 | 334.2 | 273.9 | 220.6 | 173.5 | 133.8 | 102.8 | 75.3 |
| -7.5° | 537.9 | 492.1 | 445.3 | 386.5 | 322.7 | 264.7 | 213.2 | 167.8 | 129.7 | 99.5 | 72.1 |
| -10° | 518.7 | 475.6 | 427.9 | 366.2 | 306.9 | 252.0 | 202.9 | 159.8 | 124.1 | 95.0 | 67.7 |
| -12.5° | 496.0 | 454.5 | 404.7 | 343.4 | 287.0 | 236.0 | 189.9 | 149.7 | 116.9 | 89.3 | 62.0 |
| -15° | 469.8 | 427.5 | 372.3 | 317.6 | 265.5 | 217.9 | 174.9 | 137.5 | 108.3 | 82.4 | 55.2 |
| -17.5° | 438.5 | 392.5 | 338.8 | 288.2 | 241.6 | 198.5 | 159.7 | 126.6 | 99.2 | 74.1 | 47.3 |
| -20° | 399.3 | 349.9 | 303.5 | 258.6 | 216.3 | 176.9 | 142.6 | 114.3 | 89.4 | 64.3 | 39.4 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| -22.5° | 349.9 | 308.7 | 267.3 | 227.3 | 190.6 | 156.6 | 126.7 | 101.4 | 78.5 | 53.4 | 30.6 |
| -25° | 303.5 | 267.3 | 231.5 | 197.6 | 165.2 | 135.2 | 110.9 | 88.6 | 65.7 | 42.4 | 21.7 |
| -27.5° | 258.6 | 227.3 | 197.6 | 168.1 | 140.2 | 117.1 | 95.5 | 74.7 | 51.9 | 31.1 | 17.0 |
| -30° | 216.3 | 190.6 | 165.2 | 140.2 | 119.2 | 99.0 | 80.0 | 58.9 | 38.6 | 20.9 | 12.0 |
| -32.5° | 176.9 | 156.6 | 135.2 | 117.1 | 99.0 | 81.7 | 62.5 | 43.1 | 25.0 | 15.2 | 10.6 |
| -35° | 142.6 | 126.7 | 110.9 | 95.5 | 80.0 | 62.5 | 44.6 | 27.9 | 17.1 | 10.7 | 10.2 |
| -37.5° | 114.3 | 101.4 | 88.6 | 74.7 | 58.9 | 43.1 | 27.9 | 17.8 | 10.8 | 10.3 | 9.9 |
| -40° | 89.4 | 78.5 | 65.7 | 51.9 | 38.6 | 25.0 | 17.1 | 10.8 | 10.4 | 9.9 | 9.5 |
| -42.5° | 64.3 | 53.4 | 42.4 | 31.1 | 20.9 | 15.2 | 10.7 | 10.3 | 9.9 | 9.5 | 9.1 |
| -45° | 39.4 | 30.6 | 21.7 | 17.0 | 12.0 | 10.6 | 10.2 | 9.9 | 9.5 | 9.1 | 8.7 |
| -47.5° | 19.7 | 16.0 | 12.0 | 10.6 | 10.3 | 10.0 | 9.7 | 9.4 | 9.0 | 8.7 | 8.2 |
| -50° | 10.7 | 10.5 | 10.3 | 10.0 | 9.8 | 9.5 | 9.2 | 8.9 | 8.5 | 8.2 | 7.9 |
| -52.5° | 10.1 | 9.9 | 9.7 | 9.5 | 9.2 | 8.9 | 8.7 | 8.3 | 8.0 | 7.9 | 7.9 |
| -55° | 9.4 | 9.3 | 9.1 | 8.9 | 8.6 | 8.4 | 8.1 | 7.9 | 7.9 | 7.9 | 7.6 |
| -57.5° | 8.8 | 8.6 | 8.4 | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 | 7.7 | 7.4 | 7.2 |
| -60° | 8.1 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.7 | 7.4 | 7.2 | 7.0 | 6.7 |
| -62.5° | 7.9 | 7.9 | 7.8 | 7.7 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.2 |
| -65° | 7.5 | 7.3 | 7.2 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 |
| -67.5° | 6.8 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.0 | 5.8 | 5.8 | 5.8 | 5.8 |
| -70° | 6.1 | 6.1 | 6.0 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.5 |
| -72.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.7 | 5.6 | 5.5 | 5.3 | 5.2 | 5.0 |
| -75° | 5.5 | 5.5 | 5.4 | 5.3 | 5.2 | 5.1 | 4.9 | 4.7 | 4.5 | 4.2 | 3.9 |
| -77.5° | 4.6 | 4.5 | 4.4 | 4.2 | 4.1 | 3.9 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 |
| -80° | 3.4 | 3.4 | 3.3 | 3.3 | 3.2 | 3.2 | 3.1 | 3.0 | 2.9 | 2.9 | 2.8 |
| -82.5° | 2.8 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.3 | 2.3 |
| -85° | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 |
| -87.5° | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 85° | 1.2 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 |
| 82.5° | 2.2 | 2.1 | 1.9 | 1.8 | 1.6 | 1.4 | 1.3 | 1.1 | 0.9 | 0.7 | 0.6 |
| 80° | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.0 | 1.7 | 1.5 | 1.2 | 1.0 |
| 77.5° | 3.2 | 3.0 | 2.9 | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.1 | 1.7 | 1.4 |
| 75° | 3.6 | 3.5 | 3.3 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 | 2.4 | 2.2 | 1.9 |
| 72.5° | 4.6 | 4.3 | 3.9 | 3.6 | 3.4 | 3.2 | 3.0 | 2.8 | 2.7 | 2.5 | 2.3 |
| 70° | 5.3 | 5.2 | 4.8 | 4.4 | 4.0 | 3.6 | 3.3 | 3.1 | 2.9 | 2.7 | 2.5 |
| 67.5° | 5.8 | 5.6 | 5.4 | 5.2 | 4.7 | 4.2 | 3.7 | 3.4 | 3.2 | 2.9 | 2.7 |
| 65° | 5.8 | 5.8 | 5.8 | 5.5 | 5.3 | 4.9 | 4.4 | 3.8 | 3.4 | 3.1 | 2.8 |
| 62.5° | 6.0 | 5.8 | 5.8 | 5.8 | 5.6 | 5.3 | 5.0 | 4.4 | 3.7 | 3.3 | 3.0 |
| 60° | 6.4 | 6.1 | 5.9 | 5.8 | 5.8 | 5.7 | 5.3 | 4.9 | 4.2 | 3.6 | 3.2 |
| 57.5° | 6.9 | 6.6 | 6.2 | 5.9 | 5.8 | 5.8 | 5.6 | 5.3 | 4.7 | 4.0 | 3.4 |
| 55° | 7.3 | 7.0 | 6.6 | 6.3 | 5.9 | 5.8 | 5.8 | 5.5 | 5.2 | 4.4 | 3.6 |
| 52.5° | 7.7 | 7.3 | 7.0 | 6.6 | 6.2 | 5.9 | 5.8 | 5.8 | 5.4 | 4.8 | 3.9 |
| 50° | 7.9 | 7.7 | 7.3 | 7.0 | 6.6 | 6.1 | 5.8 | 5.8 | 5.6 | 5.2 | 4.3 |
| 47.5° | 7.9 | 7.9 | 7.7 | 7.3 | 6.9 | 6.4 | 6.0 | 5.8 | 5.8 | 5.3 | 4.6 |
| 45° | 8.2 | 7.9 | 7.9 | 7.6 | 7.2 | 6.7 | 6.2 | 5.8 | 5.8 | 5.5 | 5.0 |
| 42.5° | 8.7 | 8.2 | 7.9 | 7.9 | 7.4 | 7.0 | 6.5 | 6.0 | 5.8 | 5.7 | 5.2 |
| 40° | 9.0 | 8.5 | 8.0 | 7.9 | 7.7 | 7.2 | 6.7 | 6.2 | 5.8 | 5.8 | 5.3 |
| 37.5° | 9.4 | 8.9 | 8.3 | 7.9 | 7.9 | 7.4 | 6.9 | 6.4 | 5.8 | 5.8 | 5.5 |
| 35° | 9.7 | 9.2 | 8.7 | 8.1 | 7.9 | 7.7 | 7.1 | 6.6 | 6.0 | 5.8 | 5.6 |
| 32.5° | 10.0 | 9.5 | 8.9 | 8.4 | 7.9 | 7.9 | 7.3 | 6.7 | 6.2 | 5.8 | 5.7 |
| 30° | 10.3 | 9.8 | 9.2 | 8.6 | 8.0 | 7.9 | 7.5 | 6.9 | 6.3 | 5.8 | 5.8 |
| 27.5° | 10.6 | 10.0 | 9.5 | 8.9 | 8.2 | 7.9 | 7.7 | 7.1 | 6.5 | 5.8 | 5.8 |
| 25° | 12.0 | 10.3 | 9.7 | 9.1 | 8.4 | 7.9 | 7.8 | 7.2 | 6.6 | 6.0 | 5.8 |
| 22.5° | 16.0 | 10.5 | 9.9 | 9.3 | 8.6 | 7.9 | 7.9 | 7.3 | 6.7 | 6.1 | 5.8 |
| 20° | 19.7 | 10.7 | 10.1 | 9.4 | 8.8 | 8.1 | 7.9 | 7.5 | 6.8 | 6.1 | 5.8 |
| 17.5° | 23.6 | 12.2 | 10.2 | 9.6 | 8.9 | 8.2 | 7.9 | 7.6 | 6.9 | 6.2 | 5.8 |
| 15° | 30.0 | 14.9 | 10.4 | 9.7 | 9.1 | 8.3 | 7.9 | 7.6 | 7.0 | 6.3 | 5.8 |
| 12.5° | 35.5 | 17.2 | 10.5 | 9.8 | 9.2 | 8.5 | 7.9 | 7.7 | 7.0 | 6.4 | 5.8 |
| 10° | 40.1 | 19.0 | 10.6 | 9.9 | 9.2 | 8.5 | 7.9 | 7.8 | 7.1 | 6.4 | 5.8 |
| 7.5° | 43.7 | 20.5 | 10.7 | 10.0 | 9.3 | 8.6 | 7.9 | 7.8 | 7.1 | 6.5 | 5.8 |
| 5° | 46.2 | 21.6 | 10.8 | 10.1 | 9.4 | 8.7 | 7.9 | 7.9 | 7.2 | 6.5 | 5.8 |
| 2.5° | 47.8 | 22.2 | 10.8 | 10.1 | 9.4 | 8.7 | 7.9 | 7.9 | 7.2 | 6.5 | 5.8 |
| 0° | 48.3 | 22.4 | 10.8 | 10.1 | 9.4 | 8.7 | 7.9 | 7.9 | 7.2 | 6.5 | 5.8 |
| -2.5° | 47.8 | 22.2 | 10.8 | 10.1 | 9.4 | 8.7 | 7.9 | 7.9 | 7.2 | 6.5 | 5.8 |
| -5° | 46.2 | 21.6 | 10.8 | 10.1 | 9.4 | 8.7 | 7.9 | 7.9 | 7.2 | 6.5 | 5.8 |
| -7.5° | 43.7 | 20.5 | 10.7 | 10.0 | 9.3 | 8.6 | 7.9 | 7.8 | 7.1 | 6.5 | 5.8 |
| -10° | 40.1 | 19.0 | 10.6 | 9.9 | 9.2 | 8.5 | 7.9 | 7.8 | 7.1 | 6.4 | 5.8 |
| -12.5° | 35.5 | 17.2 | 10.5 | 9.8 | 9.2 | 8.5 | 7.9 | 7.7 | 7.0 | 6.4 | 5.8 |
| -15° | 30.0 | 14.9 | 10.4 | 9.7 | 9.1 | 8.3 | 7.9 | 7.6 | 7.0 | 6.3 | 5.8 |
| -17.5° | 23.6 | 12.2 | 10.2 | 9.6 | 8.9 | 8.2 | 7.9 | 7.6 | 6.9 | 6.2 | 5.8 |
| -20° | 19.7 | 10.7 | 10.1 | 9.4 | 8.8 | 8.1 | 7.9 | 7.5 | 6.8 | 6.1 | 5.8 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|------|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| -22.5° | 16.0 | 10.5 | 9.9 | 9.3 | 8.6 | 7.9 | 7.9 | 7.3 | 6.7 | 6.1 | 5.8 |
| -25° | 12.0 | 10.3 | 9.7 | 9.1 | 8.4 | 7.9 | 7.8 | 7.2 | 6.6 | 6.0 | 5.8 |
| -27.5° | 10.6 | 10.0 | 9.5 | 8.9 | 8.2 | 7.9 | 7.7 | 7.1 | 6.5 | 5.8 | 5.8 |
| -30° | 10.3 | 9.8 | 9.2 | 8.6 | 8.0 | 7.9 | 7.5 | 6.9 | 6.3 | 5.8 | 5.8 |
| -32.5° | 10.0 | 9.5 | 8.9 | 8.4 | 7.9 | 7.9 | 7.3 | 6.7 | 6.2 | 5.8 | 5.7 |
| -35° | 9.7 | 9.2 | 8.7 | 8.1 | 7.9 | 7.7 | 7.1 | 6.6 | 6.0 | 5.8 | 5.6 |
| -37.5° | 9.4 | 8.9 | 8.3 | 7.9 | 7.9 | 7.4 | 6.9 | 6.4 | 5.8 | 5.8 | 5.5 |
| -40° | 9.0 | 8.5 | 8.0 | 7.9 | 7.7 | 7.2 | 6.7 | 6.2 | 5.8 | 5.8 | 5.3 |
| -42.5° | 8.7 | 8.2 | 7.9 | 7.9 | 7.4 | 7.0 | 6.5 | 6.0 | 5.8 | 5.7 | 5.2 |
| -45° | 8.2 | 7.9 | 7.9 | 7.6 | 7.2 | 6.7 | 6.2 | 5.8 | 5.8 | 5.5 | 5.0 |
| -47.5° | 7.9 | 7.9 | 7.7 | 7.3 | 6.9 | 6.4 | 6.0 | 5.8 | 5.8 | 5.3 | 4.6 |
| -50° | 7.9 | 7.7 | 7.3 | 7.0 | 6.6 | 6.1 | 5.8 | 5.8 | 5.6 | 5.2 | 4.3 |
| -52.5° | 7.7 | 7.3 | 7.0 | 6.6 | 6.2 | 5.9 | 5.8 | 5.8 | 5.4 | 4.8 | 3.9 |
| -55° | 7.3 | 7.0 | 6.6 | 6.3 | 5.9 | 5.8 | 5.8 | 5.5 | 5.2 | 4.4 | 3.6 |
| -57.5° | 6.9 | 6.6 | 6.2 | 5.9 | 5.8 | 5.8 | 5.6 | 5.3 | 4.7 | 4.0 | 3.4 |
| -60° | 6.4 | 6.1 | 5.9 | 5.8 | 5.8 | 5.7 | 5.3 | 4.9 | 4.2 | 3.6 | 3.2 |
| -62.5° | 6.0 | 5.8 | 5.8 | 5.8 | 5.6 | 5.3 | 5.0 | 4.4 | 3.7 | 3.3 | 3.0 |
| -65° | 5.8 | 5.8 | 5.8 | 5.5 | 5.3 | 4.9 | 4.4 | 3.8 | 3.4 | 3.1 | 2.8 |
| -67.5° | 5.8 | 5.6 | 5.4 | 5.2 | 4.7 | 4.2 | 3.7 | 3.4 | 3.2 | 2.9 | 2.7 |
| -70° | 5.3 | 5.2 | 4.8 | 4.4 | 4.0 | 3.6 | 3.3 | 3.1 | 2.9 | 2.7 | 2.5 |
| -72.5° | 4.6 | 4.3 | 3.9 | 3.6 | 3.4 | 3.2 | 3.0 | 2.8 | 2.7 | 2.5 | 2.3 |
| -75° | 3.6 | 3.5 | 3.3 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 | 2.4 | 2.2 | 1.9 |
| -77.5° | 3.2 | 3.0 | 2.9 | 2.8 | 2.7 | 2.5 | 2.4 | 2.3 | 2.1 | 1.7 | 1.4 |
| -80° | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.0 | 1.7 | 1.5 | 1.2 | 1.0 |
| -82.5° | 2.2 | 2.1 | 1.9 | 1.8 | 1.6 | 1.4 | 1.3 | 1.1 | 0.9 | 0.7 | 0.6 |
| -85° | 1.2 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 |
| -87.5° | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 85° | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |
| 82.5° | 0.5 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 |
| 80° | 0.7 | 0.6 | 0.5 | 0.4 | 0.2 | 0.1 | 0.0 |
| 77.5° | 1.1 | 0.8 | 0.6 | 0.5 | 0.3 | 0.2 | 0.0 |
| 75° | 1.5 | 1.1 | 0.7 | 0.5 | 0.4 | 0.2 | 0.0 |
| 72.5° | 1.9 | 1.4 | 1.0 | 0.6 | 0.4 | 0.2 | 0.0 |
| 70° | 2.2 | 1.7 | 1.2 | 0.7 | 0.5 | 0.2 | 0.0 |
| 67.5° | 2.4 | 2.1 | 1.5 | 0.9 | 0.5 | 0.3 | 0.0 |
| 65° | 2.6 | 2.3 | 1.7 | 1.1 | 0.6 | 0.3 | 0.0 |
| 62.5° | 2.7 | 2.4 | 2.0 | 1.3 | 0.6 | 0.3 | 0.0 |
| 60° | 2.9 | 2.5 | 2.2 | 1.4 | 0.7 | 0.3 | 0.0 |
| 57.5° | 3.0 | 2.7 | 2.3 | 1.6 | 0.8 | 0.4 | 0.0 |
| 55° | 3.2 | 2.8 | 2.4 | 1.8 | 0.9 | 0.4 | 0.0 |
| 52.5° | 3.3 | 2.9 | 2.5 | 1.9 | 1.0 | 0.4 | 0.0 |
| 50° | 3.5 | 3.0 | 2.6 | 2.1 | 1.1 | 0.4 | 0.0 |
| 47.5° | 3.6 | 3.2 | 2.7 | 2.2 | 1.2 | 0.5 | 0.0 |
| 45° | 3.9 | 3.3 | 2.8 | 2.3 | 1.3 | 0.5 | 0.0 |
| 42.5° | 4.2 | 3.4 | 2.9 | 2.3 | 1.4 | 0.5 | 0.0 |
| 40° | 4.5 | 3.5 | 2.9 | 2.4 | 1.5 | 0.5 | 0.0 |
| 37.5° | 4.7 | 3.6 | 3.0 | 2.5 | 1.6 | 0.6 | 0.0 |
| 35° | 4.9 | 3.7 | 3.1 | 2.5 | 1.7 | 0.6 | 0.0 |
| 32.5° | 5.1 | 3.9 | 3.2 | 2.6 | 1.7 | 0.6 | 0.0 |
| 30° | 5.2 | 4.1 | 3.2 | 2.6 | 1.8 | 0.6 | 0.0 |
| 27.5° | 5.3 | 4.2 | 3.3 | 2.7 | 1.9 | 0.6 | 0.0 |
| 25° | 5.4 | 4.4 | 3.3 | 2.7 | 1.9 | 0.6 | 0.0 |
| 22.5° | 5.5 | 4.5 | 3.4 | 2.7 | 2.0 | 0.6 | 0.0 |
| 20° | 5.5 | 4.6 | 3.4 | 2.8 | 2.0 | 0.7 | 0.0 |
| 17.5° | 5.6 | 4.7 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| 15° | 5.7 | 4.8 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| 12.5° | 5.7 | 4.9 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| 10° | 5.7 | 5.0 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| 7.5° | 5.8 | 5.0 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| 5° | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| 2.5° | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| 0° | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| -2.5° | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| -5° | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| -7.5° | 5.8 | 5.0 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| -10° | 5.7 | 5.0 | 3.6 | 2.9 | 2.2 | 0.7 | 0.0 |
| -12.5° | 5.7 | 4.9 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| -15° | 5.7 | 4.8 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| -17.5° | 5.6 | 4.7 | 3.5 | 2.8 | 2.1 | 0.7 | 0.0 |
| -20° | 5.5 | 4.6 | 3.4 | 2.8 | 2.0 | 0.7 | 0.0 |



REPORT NUMBER: P220333 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 5.5 | 4.5 | 3.4 | 2.7 | 2.0 | 0.6 | 0.0 |
| -25° | 5.4 | 4.4 | 3.3 | 2.7 | 1.9 | 0.6 | 0.0 |
| -27.5° | 5.3 | 4.2 | 3.3 | 2.7 | 1.9 | 0.6 | 0.0 |
| -30° | 5.2 | 4.1 | 3.2 | 2.6 | 1.8 | 0.6 | 0.0 |
| -32.5° | 5.1 | 3.9 | 3.2 | 2.6 | 1.7 | 0.6 | 0.0 |
| -35° | 4.9 | 3.7 | 3.1 | 2.5 | 1.7 | 0.6 | 0.0 |
| -37.5° | 4.7 | 3.6 | 3.0 | 2.5 | 1.6 | 0.6 | 0.0 |
| -40° | 4.5 | 3.5 | 2.9 | 2.4 | 1.5 | 0.5 | 0.0 |
| -42.5° | 4.2 | 3.4 | 2.9 | 2.3 | 1.4 | 0.5 | 0.0 |
| -45° | 3.9 | 3.3 | 2.8 | 2.3 | 1.3 | 0.5 | 0.0 |
| -47.5° | 3.6 | 3.2 | 2.7 | 2.2 | 1.2 | 0.5 | 0.0 |
| -50° | 3.5 | 3.0 | 2.6 | 2.1 | 1.1 | 0.4 | 0.0 |
| -52.5° | 3.3 | 2.9 | 2.5 | 1.9 | 1.0 | 0.4 | 0.0 |
| -55° | 3.2 | 2.8 | 2.4 | 1.8 | 0.9 | 0.4 | 0.0 |
| -57.5° | 3.0 | 2.7 | 2.3 | 1.6 | 0.8 | 0.4 | 0.0 |
| -60° | 2.9 | 2.5 | 2.2 | 1.4 | 0.7 | 0.3 | 0.0 |
| -62.5° | 2.7 | 2.4 | 2.0 | 1.3 | 0.6 | 0.3 | 0.0 |
| -65° | 2.6 | 2.3 | 1.7 | 1.1 | 0.6 | 0.3 | 0.0 |
| -67.5° | 2.4 | 2.1 | 1.5 | 0.9 | 0.5 | 0.3 | 0.0 |
| -70° | 2.2 | 1.7 | 1.2 | 0.7 | 0.5 | 0.2 | 0.0 |
| -72.5° | 1.9 | 1.4 | 1.0 | 0.6 | 0.4 | 0.2 | 0.0 |
| -75° | 1.5 | 1.1 | 0.7 | 0.5 | 0.4 | 0.2 | 0.0 |
| -77.5° | 1.1 | 0.8 | 0.6 | 0.5 | 0.3 | 0.2 | 0.0 |
| -80° | 0.7 | 0.6 | 0.5 | 0.4 | 0.2 | 0.1 | 0.0 |
| -82.5° | 0.5 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | 0.0 |
| -85° | 0.4 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |
| -87.5° | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)