

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: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3597-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

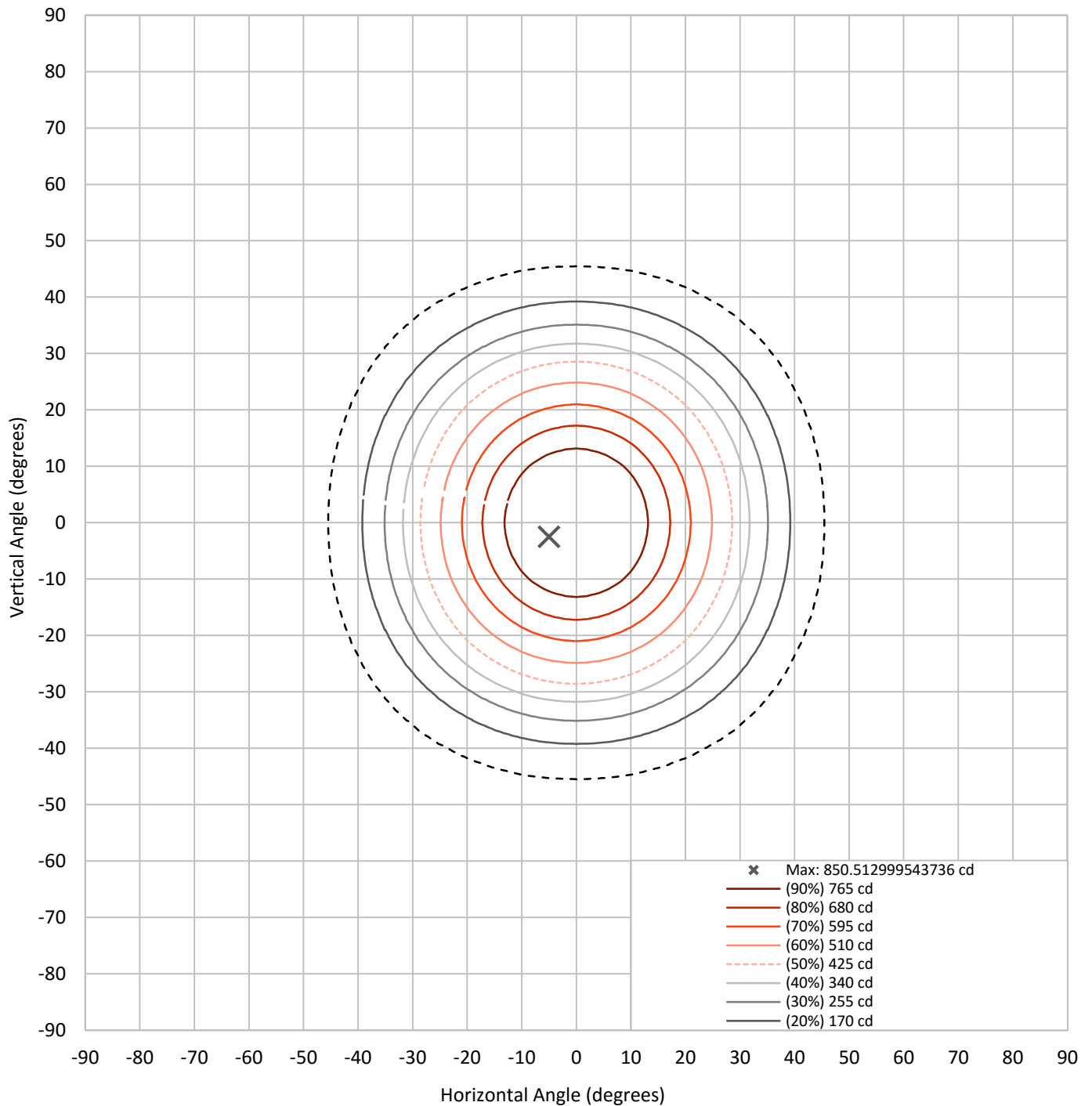
Summary

| | | | |
|-----------------------------------|-------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 5H x 5V |
| Luminaire Lumens: | 783.8 lumens | Max Intensity: | 850.5 candela |
| Efficiency: | N/A | Max Intensity Angle: | -5°H x -2.5°V |
| Efficacy: | 78.4 lumens/watt | | |
| Luminous Opening: | Circular (Dia: 0.17' x H: 0') | | |
| Beam Angle (50%): | 57°H x 56.4°V | Field Angle (10%): | 90.7°H x 90.4°V |
| Beam Lumens: | 482.6 lumens | Field Lumens: | 722.7 lumens |
| Beam Efficiency: | 61.6% | Field Efficiency: | 92.2% |
| Input Watts (W): | 10 | | |
| Input Voltage (V): | 120 | | |
| Input Current (Ain): | NR | | |
| Voltage Rise (V): | NR | | |
| Power Factor: | NR | | |
| Total Harmonic Distortion (THDi): | NR | | |
| Frequency (hertz): | 60 | | |
| Stabilization Time: | NR | | |
| Operation Time: | NR | | |
| Ambient Temperature (°C): | NR | | |
| Test Distance: | 25 FT | | |



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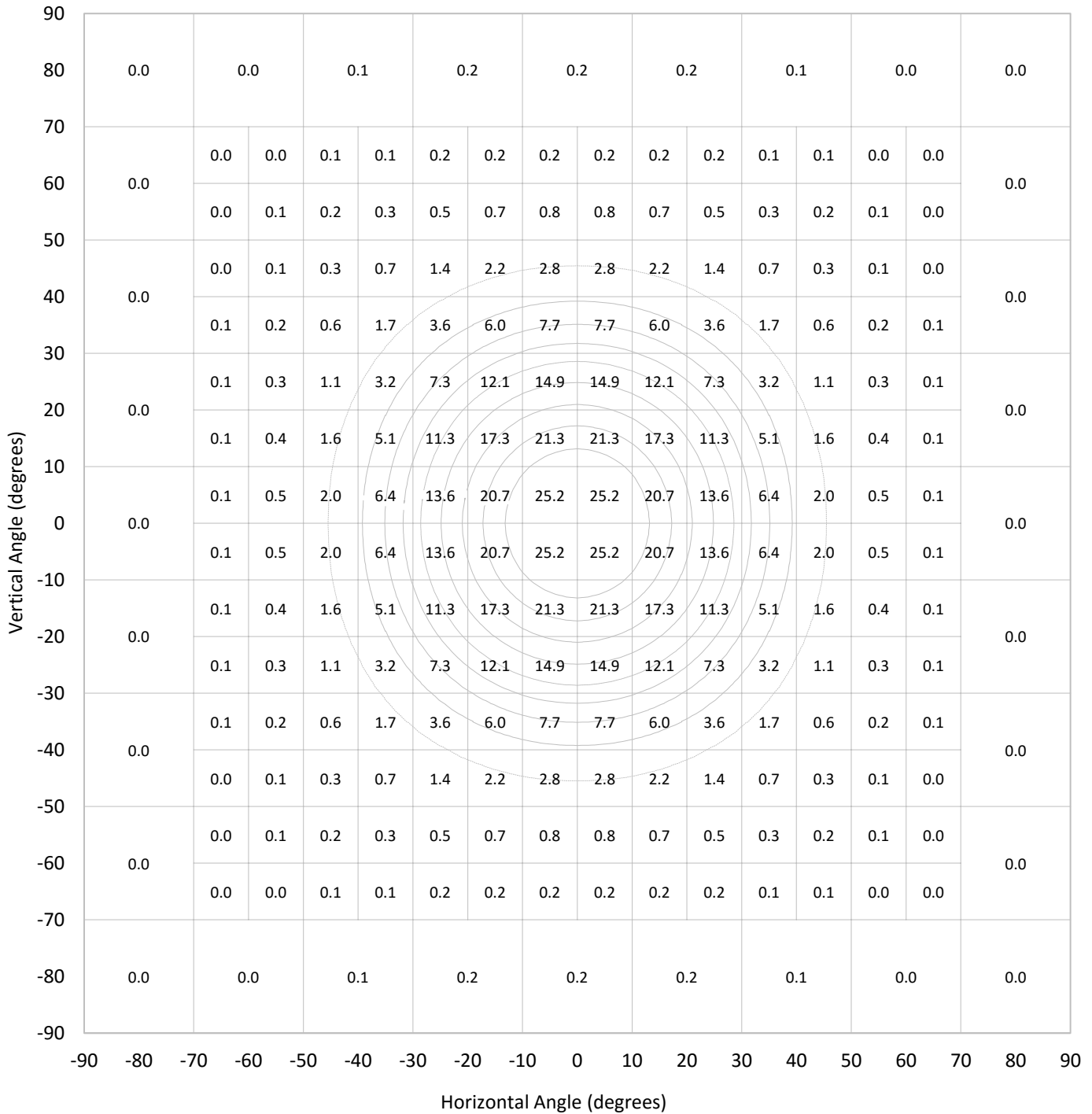
Iso-Candela Plot





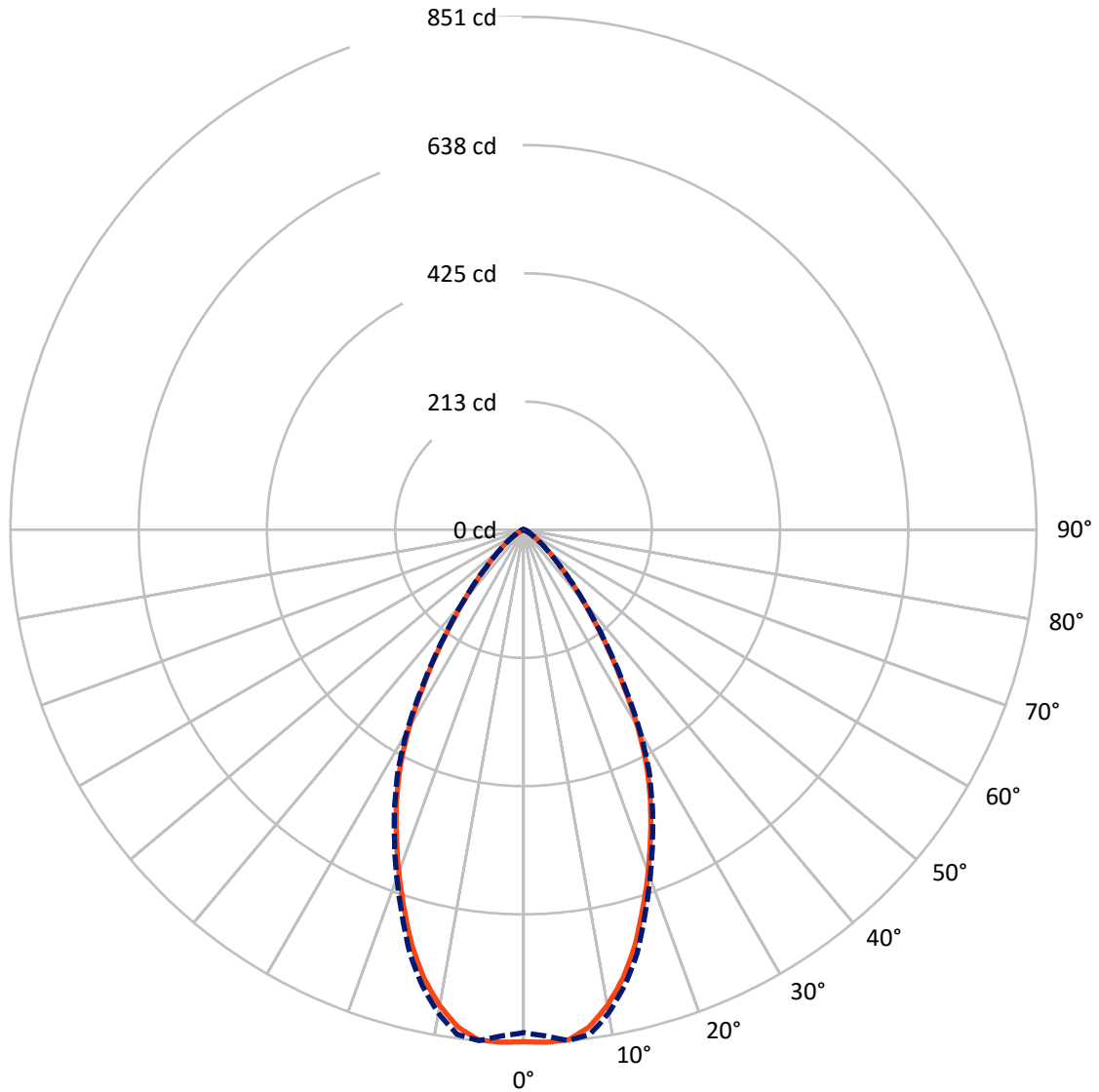
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Lumen Table



REPORT NUMBER: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
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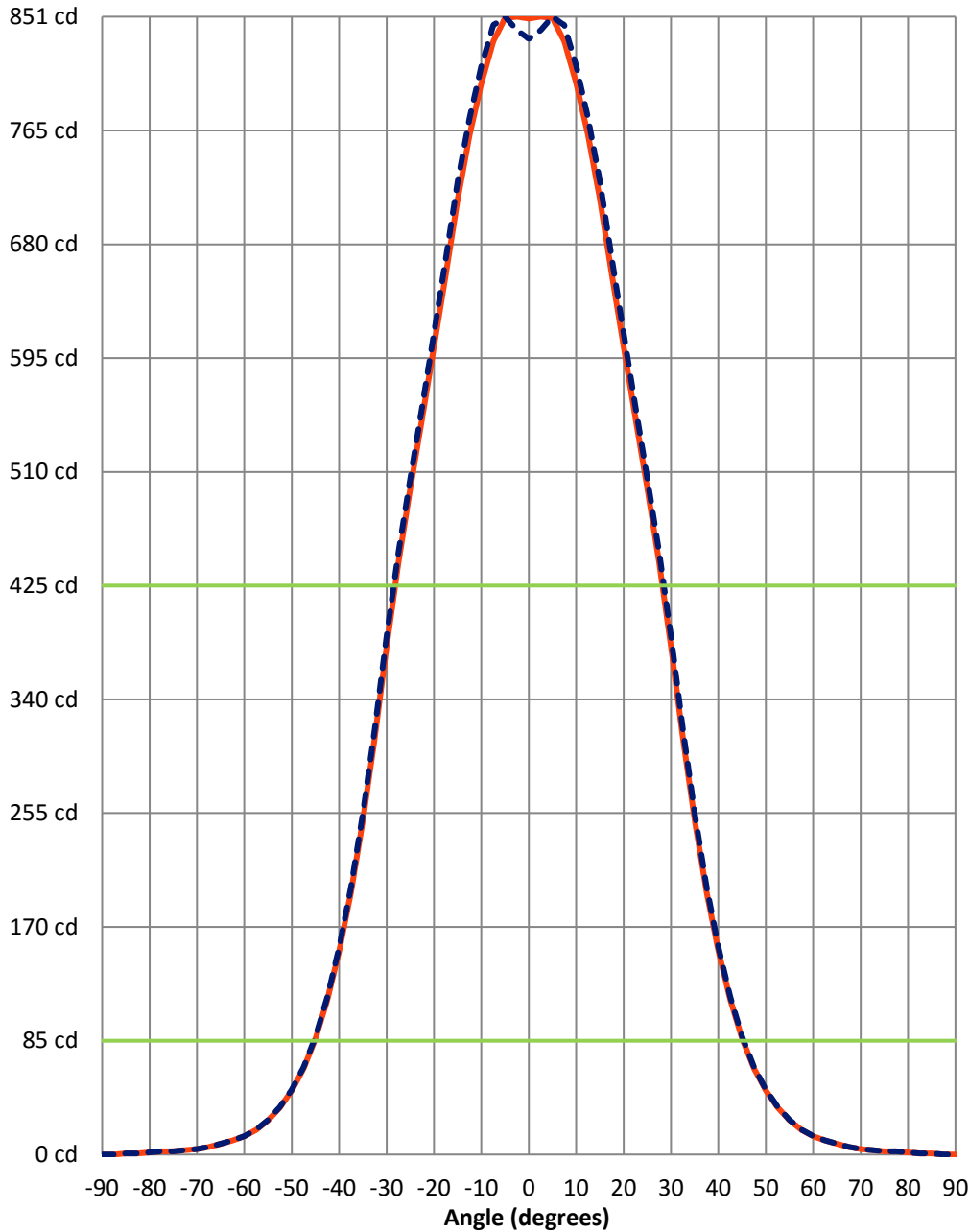
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 57°
V Angle: 56.4°
Lumens: 482.6
Efficiency: 61.6%

Field:
H Angle: 90.7°
V Angle: 90.4°
Lumens: 722.7
Efficiency: 92.2%

Spill:
Lumens: 61.1
Efficiency: 7.8%

— Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-Deg



REPORT NUMBER: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-W-WT-L1-UNV

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 | 1 |
| 77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 70° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 62.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 60° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 55° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 52.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 50° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 47.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 45° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 42.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 40° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 37.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| 35° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 4 |
| 32.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 |
| 30° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 |
| 27.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 |
| 25° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 6 |
| 22.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 6 |
| 20° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |
| 17.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |
| 15° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |
| 12.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 | 7 |
| 10° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 | 8 |
| 7.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| 5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| 2.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| 0° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| -2.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| -5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| -7.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 6 | 8 |
| -10° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 | 8 |
| -12.5° | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 | 7 |
| -15° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |
| -17.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |
| -20° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 7 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 6 |
| -25° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 6 |
| -27.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 |
| -30° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 |
| -32.5° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 5 |
| -35° | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 4 |
| -37.5° | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| -40° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| -42.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| -45° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| -47.5° | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| -50° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| -52.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -55° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| -57.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -60° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| -62.5° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -65° | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -67.5° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -70° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| -75° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| -77.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| -80° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| -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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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 |
| 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 77.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 75° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 72.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 70° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 65° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| 62.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| 60° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 |
| 57.5° | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 7 | 8 |
| 55° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 52.5° | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 9 | 10 | 11 | 12 |
| 50° | 3 | 4 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 |
| 47.5° | 4 | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 19 |
| 45° | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 23 |
| 42.5° | 4 | 5 | 7 | 8 | 10 | 12 | 14 | 17 | 20 | 24 | 29 |
| 40° | 5 | 6 | 7 | 9 | 11 | 13 | 16 | 20 | 24 | 30 | 36 |
| 37.5° | 5 | 7 | 8 | 10 | 12 | 15 | 19 | 23 | 29 | 36 | 44 |
| 35° | 6 | 7 | 9 | 11 | 14 | 17 | 22 | 28 | 34 | 43 | 52 |
| 32.5° | 6 | 8 | 10 | 12 | 16 | 20 | 25 | 32 | 41 | 50 | 62 |
| 30° | 7 | 9 | 11 | 14 | 17 | 23 | 29 | 37 | 47 | 59 | 74 |
| 27.5° | 7 | 9 | 12 | 15 | 19 | 25 | 33 | 43 | 55 | 69 | 86 |
| 25° | 8 | 10 | 13 | 16 | 22 | 28 | 37 | 48 | 62 | 79 | 100 |
| 22.5° | 8 | 11 | 13 | 18 | 24 | 32 | 42 | 54 | 70 | 89 | 114 |
| 20° | 9 | 11 | 14 | 19 | 26 | 34 | 46 | 60 | 78 | 101 | 129 |
| 17.5° | 9 | 12 | 15 | 21 | 28 | 37 | 50 | 65 | 86 | 112 | 144 |
| 15° | 10 | 12 | 16 | 22 | 30 | 40 | 54 | 71 | 94 | 122 | 156 |
| 12.5° | 10 | 13 | 17 | 23 | 32 | 43 | 57 | 76 | 101 | 132 | 170 |
| 10° | 10 | 13 | 18 | 24 | 33 | 45 | 60 | 81 | 107 | 141 | 181 |
| 7.5° | 10 | 13 | 18 | 25 | 34 | 47 | 63 | 84 | 112 | 147 | 190 |
| 5° | 10 | 14 | 18 | 26 | 35 | 48 | 64 | 87 | 116 | 152 | 196 |
| 2.5° | 11 | 14 | 19 | 26 | 36 | 49 | 65 | 88 | 118 | 155 | 200 |
| 0° | 11 | 14 | 19 | 26 | 36 | 49 | 66 | 89 | 119 | 156 | 202 |
| -2.5° | 11 | 14 | 19 | 26 | 36 | 49 | 66 | 89 | 119 | 156 | 202 |
| -5° | 10 | 14 | 18 | 26 | 35 | 48 | 64 | 87 | 116 | 152 | 196 |
| -7.5° | 10 | 13 | 18 | 25 | 34 | 47 | 63 | 84 | 112 | 147 | 190 |
| -10° | 10 | 13 | 18 | 24 | 33 | 45 | 60 | 81 | 107 | 141 | 181 |
| -12.5° | 10 | 13 | 17 | 23 | 32 | 43 | 57 | 76 | 101 | 132 | 170 |
| -15° | 10 | 12 | 16 | 22 | 30 | 40 | 54 | 71 | 94 | 122 | 156 |
| -17.5° | 9 | 12 | 15 | 21 | 28 | 37 | 50 | 65 | 86 | 112 | 144 |
| -20° | 9 | 11 | 14 | 19 | 26 | 34 | 46 | 60 | 78 | 101 | 129 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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° | 8 | 11 | 13 | 18 | 24 | 32 | 42 | 54 | 70 | 89 | 114 |
| -25° | 8 | 10 | 13 | 16 | 22 | 28 | 37 | 48 | 62 | 79 | 100 |
| -27.5° | 7 | 9 | 12 | 15 | 19 | 25 | 33 | 43 | 55 | 69 | 86 |
| -30° | 7 | 9 | 11 | 14 | 17 | 23 | 29 | 37 | 47 | 59 | 74 |
| -32.5° | 6 | 8 | 10 | 12 | 16 | 20 | 25 | 32 | 41 | 50 | 62 |
| -35° | 6 | 7 | 9 | 11 | 14 | 17 | 22 | 28 | 34 | 43 | 52 |
| -37.5° | 5 | 7 | 8 | 10 | 12 | 15 | 19 | 23 | 29 | 36 | 44 |
| -40° | 5 | 6 | 7 | 9 | 11 | 13 | 16 | 20 | 24 | 30 | 36 |
| -42.5° | 4 | 5 | 7 | 8 | 10 | 12 | 14 | 17 | 20 | 24 | 29 |
| -45° | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 17 | 20 | 23 |
| -47.5° | 4 | 4 | 5 | 6 | 7 | 9 | 10 | 12 | 14 | 16 | 19 |
| -50° | 3 | 4 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | 15 |
| -52.5° | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 9 | 10 | 11 | 12 |
| -55° | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| -57.5° | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6 | 7 | 7 | 8 |
| -60° | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 |
| -62.5° | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |
| -65° | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| -70° | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| -72.5° | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -75° | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| -77.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| -80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -82.5° | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -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):

| | -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° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 72.5° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 70° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 67.5° | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 65° | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 8 |
| 62.5° | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 10 |
| 60° | 7 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 12 | 13 | 13 |
| 57.5° | 9 | 10 | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 18 |
| 55° | 11 | 12 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |
| 52.5° | 14 | 16 | 17 | 19 | 22 | 24 | 26 | 28 | 30 | 32 | 33 |
| 50° | 17 | 20 | 23 | 25 | 28 | 32 | 34 | 37 | 40 | 43 | 45 |
| 47.5° | 22 | 25 | 29 | 33 | 37 | 42 | 46 | 50 | 54 | 57 | 60 |
| 45° | 28 | 32 | 37 | 43 | 48 | 54 | 60 | 65 | 71 | 76 | 81 |
| 42.5° | 34 | 41 | 47 | 55 | 62 | 70 | 78 | 86 | 94 | 101 | 107 |
| 40° | 43 | 50 | 59 | 69 | 79 | 89 | 101 | 112 | 122 | 132 | 141 |
| 37.5° | 52 | 62 | 74 | 86 | 100 | 114 | 129 | 144 | 156 | 170 | 181 |
| 35° | 63 | 77 | 91 | 108 | 125 | 144 | 162 | 181 | 198 | 215 | 230 |
| 32.5° | 77 | 93 | 112 | 132 | 154 | 178 | 200 | 225 | 247 | 268 | 286 |
| 30° | 91 | 112 | 135 | 159 | 187 | 216 | 245 | 274 | 302 | 326 | 349 |
| 27.5° | 108 | 132 | 159 | 190 | 224 | 258 | 294 | 328 | 361 | 390 | 412 |
| 25° | 125 | 154 | 187 | 224 | 262 | 304 | 345 | 385 | 418 | 446 | 469 |
| 22.5° | 144 | 178 | 216 | 258 | 304 | 351 | 396 | 435 | 469 | 496 | 518 |
| 20° | 162 | 200 | 245 | 294 | 345 | 396 | 441 | 479 | 512 | 541 | 567 |
| 17.5° | 181 | 225 | 274 | 328 | 385 | 435 | 479 | 517 | 553 | 586 | 616 |
| 15° | 198 | 247 | 302 | 361 | 418 | 469 | 512 | 553 | 593 | 630 | 663 |
| 12.5° | 215 | 268 | 326 | 390 | 446 | 496 | 541 | 586 | 630 | 671 | 710 |
| 10° | 230 | 286 | 349 | 412 | 469 | 518 | 567 | 616 | 663 | 710 | 750 |
| 7.5° | 241 | 301 | 367 | 430 | 486 | 537 | 588 | 640 | 692 | 741 | 779 |
| 5° | 250 | 311 | 380 | 442 | 498 | 550 | 604 | 658 | 714 | 762 | 801 |
| 2.5° | 255 | 318 | 387 | 450 | 505 | 559 | 614 | 670 | 727 | 775 | 814 |
| 0° | 257 | 320 | 390 | 453 | 508 | 562 | 618 | 674 | 732 | 779 | 818 |
| -2.5° | 255 | 318 | 387 | 450 | 505 | 559 | 614 | 670 | 727 | 775 | 814 |
| -5° | 250 | 311 | 380 | 442 | 498 | 550 | 604 | 658 | 714 | 762 | 801 |
| -7.5° | 241 | 301 | 367 | 430 | 486 | 537 | 588 | 640 | 692 | 741 | 779 |
| -10° | 230 | 286 | 349 | 412 | 469 | 518 | 567 | 616 | 663 | 710 | 750 |
| -12.5° | 215 | 268 | 326 | 390 | 446 | 496 | 541 | 586 | 630 | 671 | 710 |
| -15° | 198 | 247 | 302 | 361 | 418 | 469 | 512 | 553 | 593 | 630 | 663 |
| -17.5° | 181 | 225 | 274 | 328 | 385 | 435 | 479 | 517 | 553 | 586 | 616 |
| -20° | 162 | 200 | 245 | 294 | 345 | 396 | 441 | 479 | 512 | 541 | 567 |



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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° | 144 | 178 | 216 | 258 | 304 | 351 | 396 | 435 | 469 | 496 | 518 |
| -25° | 125 | 154 | 187 | 224 | 262 | 304 | 345 | 385 | 418 | 446 | 469 |
| -27.5° | 108 | 132 | 159 | 190 | 224 | 258 | 294 | 328 | 361 | 390 | 412 |
| -30° | 91 | 112 | 135 | 159 | 187 | 216 | 245 | 274 | 302 | 326 | 349 |
| -32.5° | 77 | 93 | 112 | 132 | 154 | 178 | 200 | 225 | 247 | 268 | 286 |
| -35° | 63 | 77 | 91 | 108 | 125 | 144 | 162 | 181 | 198 | 215 | 230 |
| -37.5° | 52 | 62 | 74 | 86 | 100 | 114 | 129 | 144 | 156 | 170 | 181 |
| -40° | 43 | 50 | 59 | 69 | 79 | 89 | 101 | 112 | 122 | 132 | 141 |
| -42.5° | 34 | 41 | 47 | 55 | 62 | 70 | 78 | 86 | 94 | 101 | 107 |
| -45° | 28 | 32 | 37 | 43 | 48 | 54 | 60 | 65 | 71 | 76 | 81 |
| -47.5° | 22 | 25 | 29 | 33 | 37 | 42 | 46 | 50 | 54 | 57 | 60 |
| -50° | 17 | 20 | 23 | 25 | 28 | 32 | 34 | 37 | 40 | 43 | 45 |
| -52.5° | 14 | 16 | 17 | 19 | 22 | 24 | 26 | 28 | 30 | 32 | 33 |
| -55° | 11 | 12 | 14 | 15 | 16 | 18 | 19 | 21 | 22 | 23 | 24 |
| -57.5° | 9 | 10 | 11 | 12 | 13 | 13 | 14 | 15 | 16 | 17 | 18 |
| -60° | 7 | 8 | 9 | 9 | 10 | 11 | 11 | 12 | 12 | 13 | 13 |
| -62.5° | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 10 |
| -65° | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 8 |
| -67.5° | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| -70° | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| -72.5° | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| -82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -85° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -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: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 72.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 70° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 67.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 65° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| 62.5° | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 9 |
| 60° | 13 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 12 | 12 |
| 57.5° | 18 | 18 | 19 | 19 | 19 | 18 | 18 | 18 | 17 | 16 | 15 |
| 55° | 25 | 26 | 26 | 26 | 26 | 26 | 25 | 24 | 23 | 22 | 21 |
| 52.5° | 34 | 35 | 36 | 36 | 36 | 35 | 34 | 33 | 32 | 30 | 28 |
| 50° | 47 | 48 | 49 | 49 | 49 | 48 | 47 | 45 | 43 | 40 | 37 |
| 47.5° | 63 | 64 | 65 | 66 | 65 | 64 | 63 | 60 | 57 | 54 | 50 |
| 45° | 84 | 87 | 88 | 89 | 88 | 87 | 84 | 81 | 76 | 71 | 65 |
| 42.5° | 112 | 116 | 118 | 119 | 118 | 116 | 112 | 107 | 101 | 94 | 86 |
| 40° | 147 | 152 | 155 | 156 | 155 | 152 | 147 | 141 | 132 | 122 | 112 |
| 37.5° | 190 | 196 | 200 | 202 | 200 | 196 | 190 | 181 | 170 | 156 | 144 |
| 35° | 241 | 250 | 255 | 257 | 255 | 250 | 241 | 230 | 215 | 198 | 181 |
| 32.5° | 301 | 311 | 318 | 320 | 318 | 311 | 301 | 286 | 268 | 247 | 225 |
| 30° | 367 | 380 | 387 | 390 | 387 | 380 | 367 | 349 | 326 | 302 | 274 |
| 27.5° | 430 | 442 | 450 | 453 | 450 | 442 | 430 | 412 | 390 | 361 | 328 |
| 25° | 486 | 498 | 505 | 508 | 505 | 498 | 486 | 469 | 446 | 418 | 385 |
| 22.5° | 537 | 550 | 559 | 562 | 559 | 550 | 537 | 518 | 496 | 469 | 435 |
| 20° | 588 | 604 | 614 | 618 | 614 | 604 | 588 | 567 | 541 | 512 | 479 |
| 17.5° | 640 | 658 | 670 | 674 | 670 | 658 | 640 | 616 | 586 | 553 | 517 |
| 15° | 692 | 714 | 727 | 732 | 727 | 714 | 692 | 663 | 630 | 593 | 553 |
| 12.5° | 741 | 762 | 775 | 779 | 775 | 762 | 741 | 710 | 671 | 630 | 586 |
| 10° | 779 | 801 | 814 | 818 | 814 | 801 | 779 | 750 | 710 | 663 | 616 |
| 7.5° | 810 | 832 | 844 | 847 | 844 | 832 | 810 | 779 | 741 | 692 | 640 |
| 5° | 832 | 849 | 851 | 849 | 851 | 849 | 832 | 801 | 762 | 714 | 658 |
| 2.5° | 844 | 851 | 840 | 834 | 840 | 851 | 844 | 814 | 775 | 727 | 670 |
| 0° | 847 | 849 | 834 | 834 | 834 | 849 | 847 | 818 | 779 | 732 | 674 |
| -2.5° | 844 | 851 | 840 | 834 | 840 | 851 | 844 | 814 | 775 | 727 | 670 |
| -5° | 832 | 849 | 851 | 849 | 851 | 849 | 832 | 801 | 762 | 714 | 658 |
| -7.5° | 810 | 832 | 844 | 847 | 844 | 832 | 810 | 779 | 741 | 692 | 640 |
| -10° | 779 | 801 | 814 | 818 | 814 | 801 | 779 | 750 | 710 | 663 | 616 |
| -12.5° | 741 | 762 | 775 | 779 | 775 | 762 | 741 | 710 | 671 | 630 | 586 |
| -15° | 692 | 714 | 727 | 732 | 727 | 714 | 692 | 663 | 630 | 593 | 553 |
| -17.5° | 640 | 658 | 670 | 674 | 670 | 658 | 640 | 616 | 586 | 553 | 517 |
| -20° | 588 | 604 | 614 | 618 | 614 | 604 | 588 | 567 | 541 | 512 | 479 |



REPORT NUMBER: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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° | 537 | 550 | 559 | 562 | 559 | 550 | 537 | 518 | 496 | 469 | 435 |
| -25° | 486 | 498 | 505 | 508 | 505 | 498 | 486 | 469 | 446 | 418 | 385 |
| -27.5° | 430 | 442 | 450 | 453 | 450 | 442 | 430 | 412 | 390 | 361 | 328 |
| -30° | 367 | 380 | 387 | 390 | 387 | 380 | 367 | 349 | 326 | 302 | 274 |
| -32.5° | 301 | 311 | 318 | 320 | 318 | 311 | 301 | 286 | 268 | 247 | 225 |
| -35° | 241 | 250 | 255 | 257 | 255 | 250 | 241 | 230 | 215 | 198 | 181 |
| -37.5° | 190 | 196 | 200 | 202 | 200 | 196 | 190 | 181 | 170 | 156 | 144 |
| -40° | 147 | 152 | 155 | 156 | 155 | 152 | 147 | 141 | 132 | 122 | 112 |
| -42.5° | 112 | 116 | 118 | 119 | 118 | 116 | 112 | 107 | 101 | 94 | 86 |
| -45° | 84 | 87 | 88 | 89 | 88 | 87 | 84 | 81 | 76 | 71 | 65 |
| -47.5° | 63 | 64 | 65 | 66 | 65 | 64 | 63 | 60 | 57 | 54 | 50 |
| -50° | 47 | 48 | 49 | 49 | 49 | 48 | 47 | 45 | 43 | 40 | 37 |
| -52.5° | 34 | 35 | 36 | 36 | 36 | 35 | 34 | 33 | 32 | 30 | 28 |
| -55° | 25 | 26 | 26 | 26 | 26 | 26 | 25 | 24 | 23 | 22 | 21 |
| -57.5° | 18 | 18 | 19 | 19 | 19 | 18 | 18 | 18 | 17 | 16 | 15 |
| -60° | 13 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 12 | 12 |
| -62.5° | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 9 |
| -65° | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| -67.5° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| -70° | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| -72.5° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| -75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -80° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -85° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -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: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 |
| 87.5° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 72.5° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 70° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| 67.5° | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| 65° | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 |
| 62.5° | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 4 |
| 60° | 11 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 5 |
| 57.5° | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 7 | 6 |
| 55° | 19 | 18 | 16 | 15 | 14 | 12 | 11 | 10 | 9 | 8 | 7 |
| 52.5° | 26 | 24 | 22 | 19 | 17 | 16 | 14 | 12 | 11 | 10 | 9 |
| 50° | 34 | 32 | 28 | 25 | 23 | 20 | 17 | 15 | 13 | 12 | 10 |
| 47.5° | 46 | 42 | 37 | 33 | 29 | 25 | 22 | 19 | 16 | 14 | 12 |
| 45° | 60 | 54 | 48 | 43 | 37 | 32 | 28 | 23 | 20 | 17 | 14 |
| 42.5° | 78 | 70 | 62 | 55 | 47 | 41 | 34 | 29 | 24 | 20 | 17 |
| 40° | 101 | 89 | 79 | 69 | 59 | 50 | 43 | 36 | 30 | 24 | 20 |
| 37.5° | 129 | 114 | 100 | 86 | 74 | 62 | 52 | 44 | 36 | 29 | 23 |
| 35° | 162 | 144 | 125 | 108 | 91 | 77 | 63 | 52 | 43 | 34 | 28 |
| 32.5° | 200 | 178 | 154 | 132 | 112 | 93 | 77 | 62 | 50 | 41 | 32 |
| 30° | 245 | 216 | 187 | 159 | 135 | 112 | 91 | 74 | 59 | 47 | 37 |
| 27.5° | 294 | 258 | 224 | 190 | 159 | 132 | 108 | 86 | 69 | 55 | 43 |
| 25° | 345 | 304 | 262 | 224 | 187 | 154 | 125 | 100 | 79 | 62 | 48 |
| 22.5° | 396 | 351 | 304 | 258 | 216 | 178 | 144 | 114 | 89 | 70 | 54 |
| 20° | 441 | 396 | 345 | 294 | 245 | 200 | 162 | 129 | 101 | 78 | 60 |
| 17.5° | 479 | 435 | 385 | 328 | 274 | 225 | 181 | 144 | 112 | 86 | 65 |
| 15° | 512 | 469 | 418 | 361 | 302 | 247 | 198 | 156 | 122 | 94 | 71 |
| 12.5° | 541 | 496 | 446 | 390 | 326 | 268 | 215 | 170 | 132 | 101 | 76 |
| 10° | 567 | 518 | 469 | 412 | 349 | 286 | 230 | 181 | 141 | 107 | 81 |
| 7.5° | 588 | 537 | 486 | 430 | 367 | 301 | 241 | 190 | 147 | 112 | 84 |
| 5° | 604 | 550 | 498 | 442 | 380 | 311 | 250 | 196 | 152 | 116 | 87 |
| 2.5° | 614 | 559 | 505 | 450 | 387 | 318 | 255 | 200 | 155 | 118 | 88 |
| 0° | 618 | 562 | 508 | 453 | 390 | 320 | 257 | 202 | 156 | 119 | 89 |
| -2.5° | 614 | 559 | 505 | 450 | 387 | 318 | 255 | 200 | 155 | 118 | 88 |
| -5° | 604 | 550 | 498 | 442 | 380 | 311 | 250 | 196 | 152 | 116 | 87 |
| -7.5° | 588 | 537 | 486 | 430 | 367 | 301 | 241 | 190 | 147 | 112 | 84 |
| -10° | 567 | 518 | 469 | 412 | 349 | 286 | 230 | 181 | 141 | 107 | 81 |
| -12.5° | 541 | 496 | 446 | 390 | 326 | 268 | 215 | 170 | 132 | 101 | 76 |
| -15° | 512 | 469 | 418 | 361 | 302 | 247 | 198 | 156 | 122 | 94 | 71 |
| -17.5° | 479 | 435 | 385 | 328 | 274 | 225 | 181 | 144 | 112 | 86 | 65 |
| -20° | 441 | 396 | 345 | 294 | 245 | 200 | 162 | 129 | 101 | 78 | 60 |



REPORT NUMBER: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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° | 396 | 351 | 304 | 258 | 216 | 178 | 144 | 114 | 89 | 70 | 54 |
| -25° | 345 | 304 | 262 | 224 | 187 | 154 | 125 | 100 | 79 | 62 | 48 |
| -27.5° | 294 | 258 | 224 | 190 | 159 | 132 | 108 | 86 | 69 | 55 | 43 |
| -30° | 245 | 216 | 187 | 159 | 135 | 112 | 91 | 74 | 59 | 47 | 37 |
| -32.5° | 200 | 178 | 154 | 132 | 112 | 93 | 77 | 62 | 50 | 41 | 32 |
| -35° | 162 | 144 | 125 | 108 | 91 | 77 | 63 | 52 | 43 | 34 | 28 |
| -37.5° | 129 | 114 | 100 | 86 | 74 | 62 | 52 | 44 | 36 | 29 | 23 |
| -40° | 101 | 89 | 79 | 69 | 59 | 50 | 43 | 36 | 30 | 24 | 20 |
| -42.5° | 78 | 70 | 62 | 55 | 47 | 41 | 34 | 29 | 24 | 20 | 17 |
| -45° | 60 | 54 | 48 | 43 | 37 | 32 | 28 | 23 | 20 | 17 | 14 |
| -47.5° | 46 | 42 | 37 | 33 | 29 | 25 | 22 | 19 | 16 | 14 | 12 |
| -50° | 34 | 32 | 28 | 25 | 23 | 20 | 17 | 15 | 13 | 12 | 10 |
| -52.5° | 26 | 24 | 22 | 19 | 17 | 16 | 14 | 12 | 11 | 10 | 9 |
| -55° | 19 | 18 | 16 | 15 | 14 | 12 | 11 | 10 | 9 | 8 | 7 |
| -57.5° | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 7 | 6 |
| -60° | 11 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 5 |
| -62.5° | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 4 |
| -65° | 7 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 |
| -67.5° | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -70° | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| -72.5° | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -75° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| -77.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -82.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -85° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 |
| 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° | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 77.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 75° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 72.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| 67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 65° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 62.5° | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| 60° | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 57.5° | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 |
| 55° | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 52.5° | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| 50° | 9 | 8 | 6 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 |
| 47.5° | 10 | 9 | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 |
| 45° | 12 | 10 | 9 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 |
| 42.5° | 14 | 12 | 10 | 8 | 7 | 5 | 4 | 4 | 3 | 2 | 2 |
| 40° | 16 | 13 | 11 | 9 | 7 | 6 | 5 | 4 | 3 | 2 | 2 |
| 37.5° | 19 | 15 | 12 | 10 | 8 | 7 | 5 | 4 | 3 | 3 | 2 |
| 35° | 22 | 17 | 14 | 11 | 9 | 7 | 6 | 4 | 4 | 3 | 2 |
| 32.5° | 25 | 20 | 16 | 12 | 10 | 8 | 6 | 5 | 4 | 3 | 2 |
| 30° | 29 | 23 | 17 | 14 | 11 | 9 | 7 | 5 | 4 | 3 | 2 |
| 27.5° | 33 | 25 | 19 | 15 | 12 | 9 | 7 | 5 | 4 | 3 | 3 |
| 25° | 37 | 28 | 22 | 16 | 13 | 10 | 8 | 6 | 4 | 3 | 3 |
| 22.5° | 42 | 32 | 24 | 18 | 13 | 11 | 8 | 6 | 5 | 4 | 3 |
| 20° | 46 | 34 | 26 | 19 | 14 | 11 | 9 | 7 | 5 | 4 | 3 |
| 17.5° | 50 | 37 | 28 | 21 | 15 | 12 | 9 | 7 | 5 | 4 | 3 |
| 15° | 54 | 40 | 30 | 22 | 16 | 12 | 10 | 7 | 5 | 4 | 3 |
| 12.5° | 57 | 43 | 32 | 23 | 17 | 13 | 10 | 7 | 5 | 4 | 3 |
| 10° | 60 | 45 | 33 | 24 | 18 | 13 | 10 | 8 | 5 | 4 | 3 |
| 7.5° | 63 | 47 | 34 | 25 | 18 | 13 | 10 | 8 | 6 | 4 | 3 |
| 5° | 64 | 48 | 35 | 26 | 18 | 14 | 10 | 8 | 6 | 4 | 3 |
| 2.5° | 65 | 49 | 36 | 26 | 19 | 14 | 11 | 8 | 6 | 4 | 3 |
| 0° | 66 | 49 | 36 | 26 | 19 | 14 | 11 | 8 | 6 | 4 | 3 |
| -2.5° | 65 | 49 | 36 | 26 | 19 | 14 | 11 | 8 | 6 | 4 | 3 |
| -5° | 64 | 48 | 35 | 26 | 18 | 14 | 10 | 8 | 6 | 4 | 3 |
| -7.5° | 63 | 47 | 34 | 25 | 18 | 13 | 10 | 8 | 6 | 4 | 3 |
| -10° | 60 | 45 | 33 | 24 | 18 | 13 | 10 | 8 | 5 | 4 | 3 |
| -12.5° | 57 | 43 | 32 | 23 | 17 | 13 | 10 | 7 | 5 | 4 | 3 |
| -15° | 54 | 40 | 30 | 22 | 16 | 12 | 10 | 7 | 5 | 4 | 3 |
| -17.5° | 50 | 37 | 28 | 21 | 15 | 12 | 9 | 7 | 5 | 4 | 3 |
| -20° | 46 | 34 | 26 | 19 | 14 | 11 | 9 | 7 | 5 | 4 | 3 |



REPORT NUMBER: P220399 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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° | 42 | 32 | 24 | 18 | 13 | 11 | 8 | 6 | 5 | 4 | 3 |
| -25° | 37 | 28 | 22 | 16 | 13 | 10 | 8 | 6 | 4 | 3 | 3 |
| -27.5° | 33 | 25 | 19 | 15 | 12 | 9 | 7 | 5 | 4 | 3 | 3 |
| -30° | 29 | 23 | 17 | 14 | 11 | 9 | 7 | 5 | 4 | 3 | 2 |
| -32.5° | 25 | 20 | 16 | 12 | 10 | 8 | 6 | 5 | 4 | 3 | 2 |
| -35° | 22 | 17 | 14 | 11 | 9 | 7 | 6 | 4 | 4 | 3 | 2 |
| -37.5° | 19 | 15 | 12 | 10 | 8 | 7 | 5 | 4 | 3 | 3 | 2 |
| -40° | 16 | 13 | 11 | 9 | 7 | 6 | 5 | 4 | 3 | 2 | 2 |
| -42.5° | 14 | 12 | 10 | 8 | 7 | 5 | 4 | 4 | 3 | 2 | 2 |
| -45° | 12 | 10 | 9 | 7 | 6 | 5 | 4 | 3 | 3 | 2 | 2 |
| -47.5° | 10 | 9 | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 |
| -50° | 9 | 8 | 6 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 |
| -52.5° | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| -55° | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| -57.5° | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 |
| -60° | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| -62.5° | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| -65° | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| -67.5° | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| -70° | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| -72.5° | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -75° | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| -77.5° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| -80° | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| -82.5° | 1 | 1 | 1 | 1 | 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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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-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 |
| 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° | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70° | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 67.5° | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 65° | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 62.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 60° | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 57.5° | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 55° | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 52.5° | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 50° | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 47.5° | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 45° | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 42.5° | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 40° | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| 37.5° | 2 | 2 | 1 | 1 | 0 | 0 | 0 |
| 35° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 32.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 30° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 27.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 25° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 22.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 20° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 17.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 15° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| 12.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 10° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 7.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 2.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| 0° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -2.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -7.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -10° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -12.5° | 2 | 2 | 2 | 1 | 1 | 0 | 0 |
| -15° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -17.5° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |
| -20° | 2 | 2 | 1 | 1 | 1 | 0 | 0 |



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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