

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: McGRAW-EDISON

Report Number: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
 Report Number: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-16)  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 12/7/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: MCGRAW-EDISON  
 Catalog Number: GFLD-SA2E-730-U-MWR-VSR-XX  
 Description: GALLEON FLOOD, TWO LIGHT SQUARE, MEDIUM WIDE SYMMETRICAL ROUND N5  
 WITH VISOR  
 Light Source: (32) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: -

**Summary**

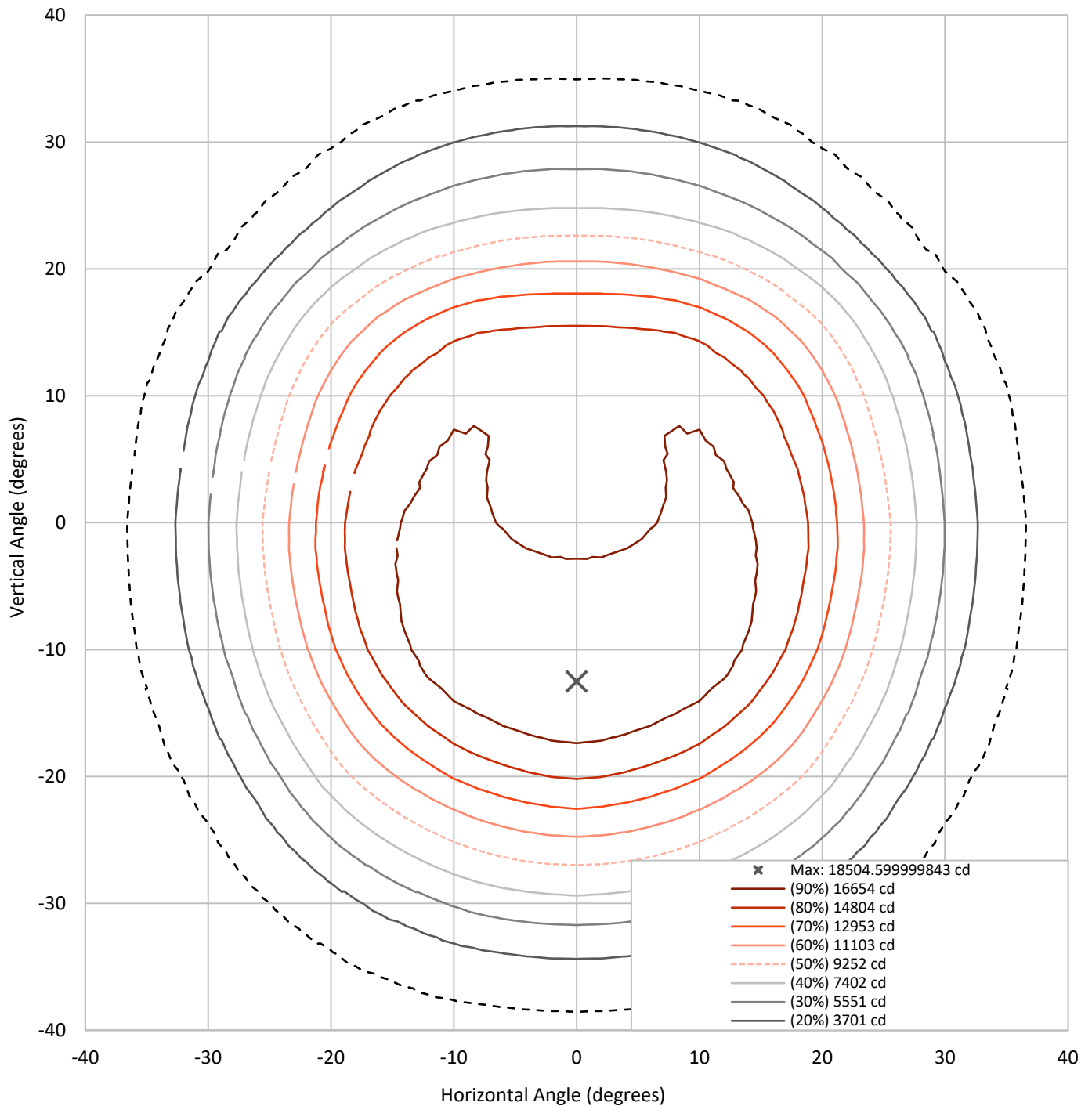
|  |                                    |
|--|------------------------------------|
| Lumens per Lamp: N/A                                   | NEMA Type: 4H x 5V                 |
| Luminaire Lumens: 13208.3 lumens                       | Max Intensity: 18504.6 candela     |
| Efficiency: N/A  | Max Intensity Angle: 0°H x -12.5°V |
| Efficacy: 105.1 lumens/watt                            |                                    |
| Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0') |                                    |
| Beam Angle (50%): 46.4°H x 49.6°V                      | Field Angle (10%): 69.9°H x 73.3°V |
| Beam Lumens: 8846.9 lumens                             | Field Lumens: 11905.2 lumens       |
| Beam Efficiency: 67.0%                                 | Field Efficiency: 90.1%            |

Input Watts (W): 125.7  
 Input Voltage (V): 120  
 Input Current (A<sub>in</sub>): 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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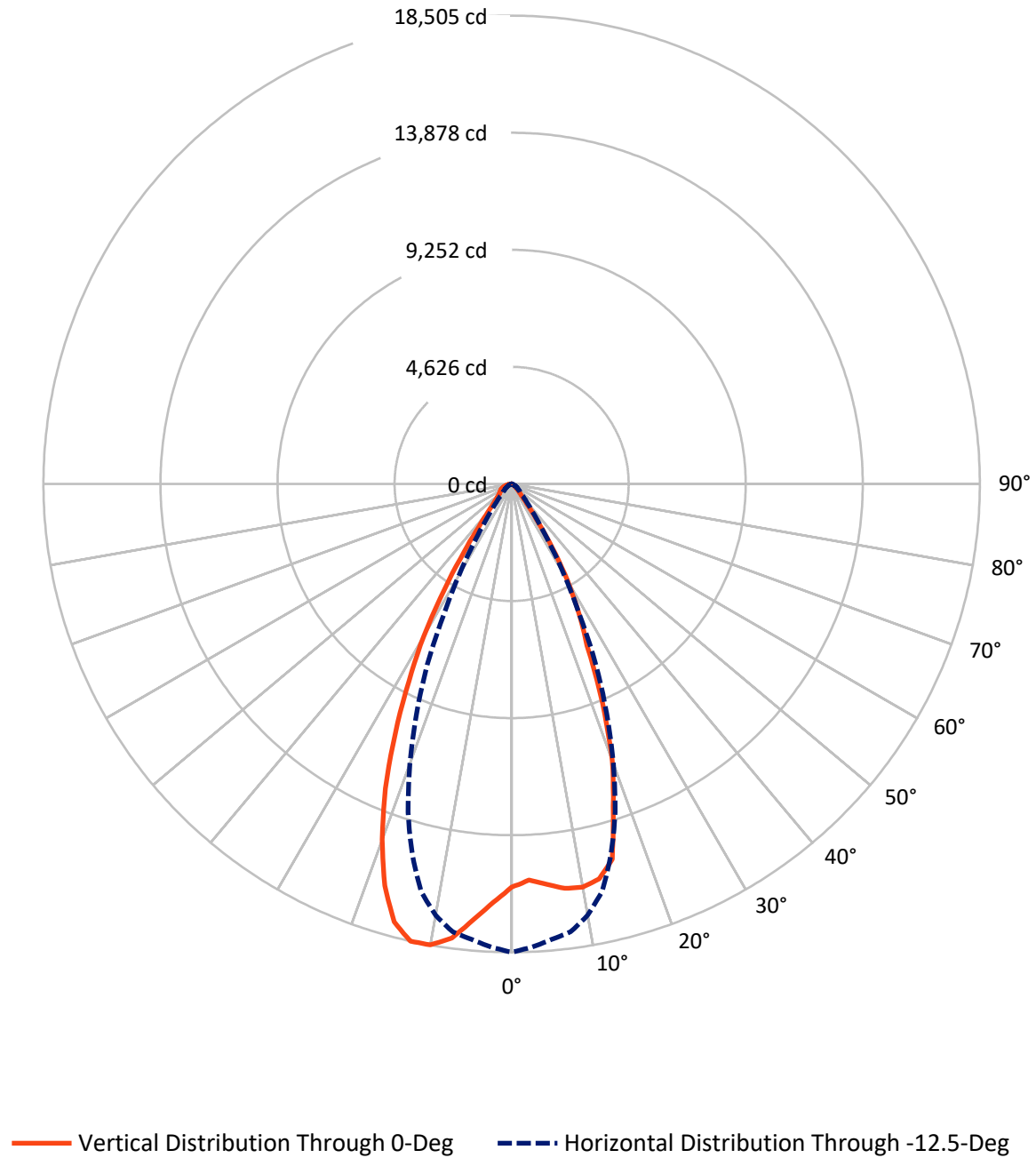
CATALOG NUMBER: GFLD-SA2E-730-U-MWR-VSR-XX

### Lumen Table

|     |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |    |
|-----|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|----|----|----|
| 90  |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |    |
| 80  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0 | 0.0 |     |    |    |    |
| 70  |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |    |
| 60  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0  | 0.0  | 0.0 | 0.0 |     |    |    |    |
| 50  |     | 0.0 | 0.1 | 0.4  | 1.1  | 1.8   | 2.5   | 2.9   | 2.9   | 2.5   | 1.8   | 1.1  | 0.4  | 0.1 |     | 0.0 |    |    |    |
| 40  | 0.1 | 0.1 | 0.5 | 1.9  | 3.7  | 6.1   | 9.1   | 11.1  | 11.1  | 9.1   | 6.1   | 3.7  | 1.9  | 0.5 | 0.1 |     |    |    |    |
| 30  |     | 0.2 | 1.5 | 3.8  | 7.9  | 17.1  | 39.0  | 59.5  | 59.5  | 39.0  | 17.1  | 7.9  | 3.8  | 1.5 |     | 0.2 |    |    |    |
| 20  | 0.1 | 0.5 | 2.5 | 6.2  | 16.6 | 61.4  | 158.1 | 221.0 | 221.0 | 158.1 | 61.4  | 16.6 | 6.2  | 2.5 | 0.1 |     |    |    |    |
| 10  |     | 0.9 | 3.4 | 9.5  | 39.4 | 170.5 | 355.7 | 440.4 | 440.4 | 355.7 | 170.5 | 39.4 | 9.5  | 3.4 |     | 0.9 |    |    |    |
| 0   | 0.3 | 1.2 | 4.3 | 12.3 | 62.8 | 251.1 | 458.6 | 497.2 | 497.2 | 458.6 | 251.1 | 62.8 | 12.3 | 4.3 | 0.3 |     |    |    |    |
| -10 |     | 1.4 | 4.7 | 13.2 | 65.7 | 259.3 | 475.1 | 527.7 | 527.7 | 475.1 | 259.3 | 65.7 | 13.2 | 4.7 |     | 1.4 |    |    |    |
| -20 | 0.4 | 1.5 | 4.8 | 12.0 | 47.0 | 193.1 | 400.8 | 511.8 | 511.8 | 400.8 | 193.1 | 47.0 | 12.0 | 4.8 | 0.4 |     |    |    |    |
| -30 |     | 1.4 | 4.5 | 9.9  | 26.3 | 93.7  | 223.3 | 314.3 | 314.3 | 223.3 | 93.7  | 26.3 | 9.9  | 4.5 |     | 1.4 |    |    |    |
| -40 | 0.3 | 1.2 | 4.1 | 8.3  | 15.7 | 33.4  | 69.8  | 103.6 | 103.6 | 69.8  | 33.4  | 15.7 | 8.3  | 4.1 | 0.3 |     |    |    |    |
| -50 |     | 1.0 | 3.4 | 6.9  | 11.5 | 16.9  | 23.8  | 28.2  | 28.2  | 23.8  | 16.9  | 11.5 | 6.9  | 3.4 |     | 1.0 |    |    |    |
| -60 | 0.2 | 0.8 | 2.6 | 5.4  | 9.0  | 12.5  | 15.6  | 17.0  | 17.0  | 15.6  | 12.5  | 9.0  | 5.4  | 2.6 | 0.2 |     |    |    |    |
| -70 |     | 0.5 | 1.6 | 3.7  | 6.3  | 8.9   | 11.3  | 12.6  | 12.6  | 11.3  | 8.9   | 6.3  | 3.7  | 1.6 |     | 0.5 |    |    |    |
| -80 | 0.1 | 1.5 | 6.6 | 14.2 | 18.2 | 14.2  | 6.6   | 1.5   | 0.1   |       |       |      |      |     |     |     |    |    |    |
| -90 |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |    |
|     | -90 | -80 | -70 | -60  | -50  | -40   | -30   | -20   | -10   | 0     | 10    | 20   | 30   | 40  | 50  | 60  | 70 | 80 | 90 |

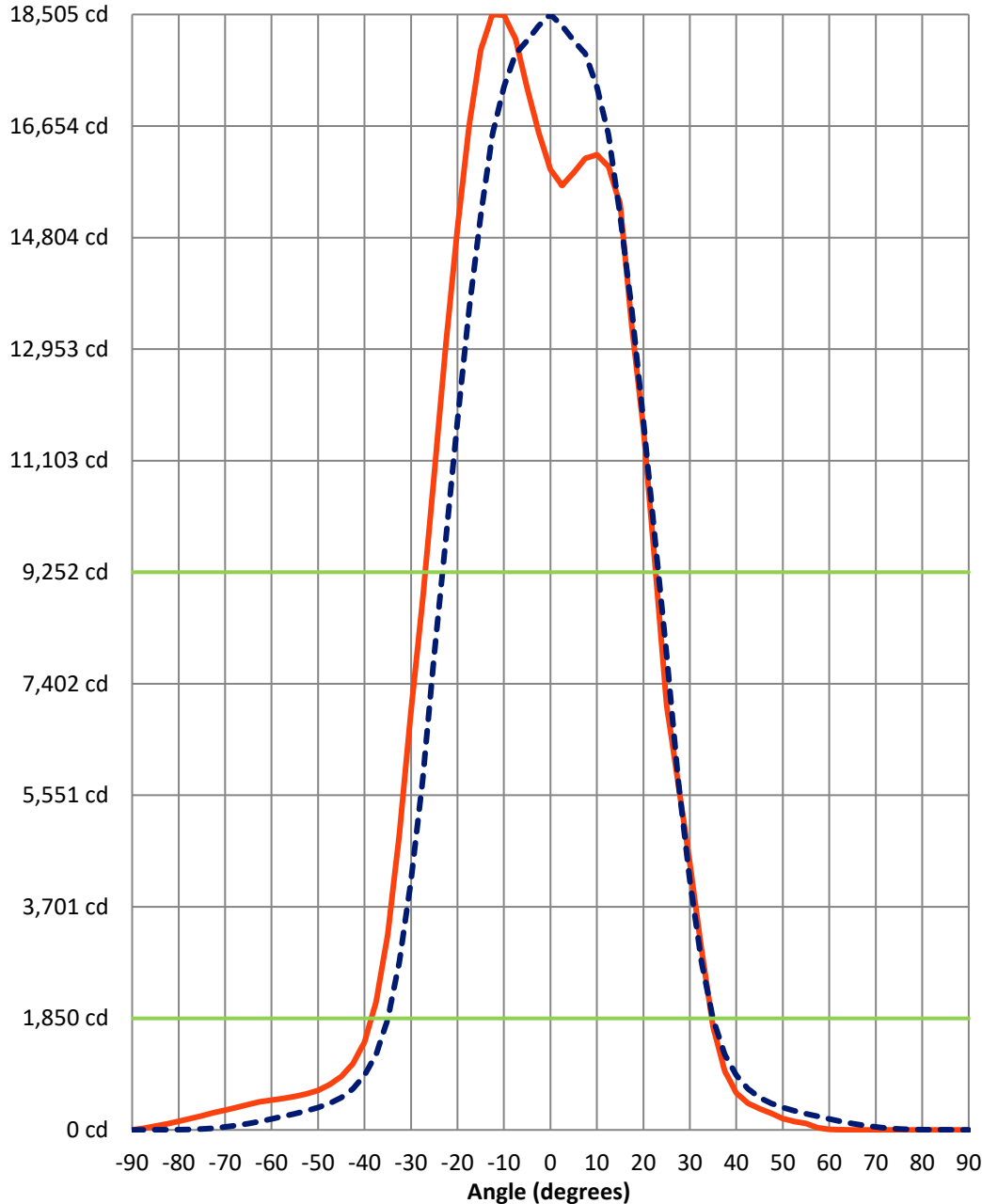
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 8846.9  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 11905.2  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 1303  
 Efficiency: 9.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -12.5-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    |
| 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      | 1    | 1      | 0    | 0      | 0    | 0      | 0    |
| 67.5°  | 0    | 0      | 0    | 0      | 1    | 1      | 0    | 0      | 0    | 0      | 0    |
| 65°    | 0    | 0      | 0    | 1      | 1    | 1      | 0    | 0      | 1    | 1      | 1    |
| 62.5°  | 0    | 0      | 0    | 1      | 2    | 1      | 0    | 1      | 1    | 2      | 2    |
| 60°    | 0    | 0      | 0    | 1      | 2    | 1      | 1    | 1      | 2    | 2      | 3    |
| 57.5°  | 0    | 0      | 0    | 2      | 2    | 1      | 1    | 2      | 3    | 3      | 3    |
| 55°    | 0    | 0      | 0    | 2      | 2    | 1      | 2    | 3      | 3    | 3      | 3    |
| 52.5°  | 0    | 0      | 1    | 2      | 2    | 2      | 2    | 3      | 3    | 3      | 3    |
| 50°    | 0    | 0      | 1    | 3      | 2    | 2      | 3    | 3      | 3    | 3      | 4    |
| 47.5°  | 0    | 0      | 1    | 3      | 2    | 2      | 3    | 3      | 3    | 3      | 4    |
| 45°    | 0    | 0      | 1    | 3      | 2    | 2      | 3    | 4      | 3    | 4      | 5    |
| 42.5°  | 0    | 0      | 1    | 3      | 2    | 3      | 4    | 4      | 3    | 5      | 6    |
| 40°    | 0    | 0      | 2    | 3      | 3    | 3      | 4    | 4      | 4    | 6      | 7    |
| 37.5°  | 0    | 0      | 2    | 3      | 3    | 3      | 4    | 4      | 5    | 7      | 8    |
| 35°    | 0    | 0      | 2    | 3      | 3    | 3      | 5    | 4      | 6    | 9      | 11   |
| 32.5°  | 0    | 0      | 2    | 3      | 3    | 4      | 5    | 5      | 7    | 11     | 18   |
| 30°    | 0    | 0      | 2    | 3      | 3    | 4      | 5    | 5      | 8    | 13     | 24   |
| 27.5°  | 0    | 0      | 2    | 3      | 3    | 4      | 5    | 6      | 10   | 16     | 30   |
| 25°    | 0    | 0      | 2    | 3      | 3    | 5      | 6    | 7      | 12   | 20     | 35   |
| 22.5°  | 0    | 0      | 3    | 3      | 3    | 5      | 6    | 8      | 15   | 25     | 41   |
| 20°    | 0    | 0      | 3    | 3      | 3    | 5      | 6    | 9      | 17   | 29     | 48   |
| 17.5°  | 0    | 0      | 3    | 3      | 3    | 5      | 6    | 10     | 20   | 33     | 55   |
| 15°    | 0    | 0      | 3    | 3      | 3    | 6      | 7    | 11     | 22   | 36     | 61   |
| 12.5°  | 0    | 0      | 3    | 3      | 3    | 6      | 7    | 13     | 25   | 39     | 68   |
| 10°    | 0    | 0      | 3    | 3      | 3    | 6      | 7    | 16     | 27   | 44     | 74   |
| 7.5°   | 0    | 0      | 3    | 3      | 3    | 6      | 8    | 18     | 29   | 49     | 79   |
| 5°     | 0    | 0      | 3    | 3      | 3    | 6      | 8    | 20     | 31   | 54     | 83   |
| 2.5°   | 0    | 0      | 3    | 3      | 3    | 6      | 9    | 22     | 32   | 59     | 86   |
| 0°     | 0    | 0      | 3    | 3      | 3    | 6      | 9    | 24     | 33   | 64     | 88   |
| -2.5°  | 0    | 0      | 3    | 3      | 3    | 6      | 11   | 25     | 38   | 67     | 93   |
| -5°    | 0    | 0      | 3    | 3      | 4    | 7      | 12   | 26     | 42   | 69     | 97   |
| -7.5°  | 0    | 0      | 3    | 3      | 4    | 7      | 14   | 26     | 45   | 71     | 100  |
| -10°   | 0    | 0      | 3    | 3      | 4    | 7      | 15   | 27     | 48   | 73     | 103  |
| -12.5° | 0    | 0      | 3    | 3      | 4    | 7      | 16   | 27     | 50   | 74     | 105  |
| -15°   | 0    | 0      | 3    | 3      | 4    | 8      | 17   | 28     | 51   | 75     | 106  |
| -17.5° | 0    | 0      | 3    | 3      | 5    | 8      | 17   | 28     | 51   | 75     | 106  |
| -20°   | 0    | 0      | 3    | 3      | 5    | 8      | 17   | 30     | 50   | 75     | 104  |

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CATALOG NUMBER: GFLD-SA2E-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0    | 1      | 3    | 3      | 5    | 8      | 17   | 30     | 49   | 74     | 102  |
| -25°   | 0    | 1      | 3    | 3      | 5    | 8      | 17   | 31     | 48   | 72     | 98   |
| -27.5° | 0    | 1      | 3    | 3      | 5    | 9      | 17   | 31     | 47   | 70     | 96   |
| -30°   | 0    | 1      | 3    | 3      | 4    | 9      | 17   | 30     | 46   | 68     | 93   |
| -32.5° | 0    | 1      | 3    | 3      | 5    | 10     | 16   | 30     | 46   | 66     | 89   |
| -35°   | 0    | 1      | 3    | 3      | 5    | 10     | 16   | 29     | 44   | 64     | 85   |
| -37.5° | 0    | 1      | 3    | 3      | 5    | 10     | 17   | 28     | 43   | 62     | 83   |
| -40°   | 0    | 1      | 2    | 3      | 5    | 10     | 17   | 27     | 40   | 60     | 82   |
| -42.5° | 0    | 1      | 2    | 3      | 5    | 10     | 17   | 25     | 38   | 57     | 79   |
| -45°   | 0    | 1      | 2    | 3      | 5    | 10     | 16   | 24     | 36   | 53     | 75   |
| -47.5° | 0    | 1      | 2    | 3      | 5    | 10     | 16   | 24     | 35   | 49     | 71   |
| -50°   | 0    | 1      | 2    | 3      | 6    | 10     | 15   | 23     | 33   | 47     | 65   |
| -52.5° | 0    | 1      | 3    | 4      | 6    | 9      | 15   | 22     | 31   | 45     | 60   |
| -55°   | 0    | 1      | 3    | 4      | 6    | 9      | 14   | 20     | 30   | 42     | 56   |
| -57.5° | 0    | 1      | 3    | 4      | 5    | 9      | 13   | 19     | 28   | 39     | 52   |
| -60°   | 0    | 1      | 3    | 4      | 5    | 8      | 13   | 18     | 26   | 36     | 48   |
| -62.5° | 0    | 1      | 2    | 4      | 5    | 8      | 12   | 17     | 24   | 33     | 44   |
| -65°   | 0    | 1      | 2    | 4      | 5    | 7      | 11   | 16     | 22   | 30     | 40   |
| -67.5° | 0    | 1      | 2    | 4      | 5    | 7      | 10   | 14     | 20   | 27     | 35   |
| -70°   | 0    | 0      | 2    | 4      | 5    | 7      | 9    | 13     | 17   | 23     | 30   |
| -72.5° | 0    | 0      | 2    | 3      | 5    | 6      | 8    | 11     | 15   | 20     | 25   |
| -75°   | 0    | 0      | 1    | 3      | 4    | 6      | 7    | 10     | 12   | 16     | 21   |
| -77.5° | 0    | 0      | 1    | 2      | 4    | 5      | 7    | 9      | 11   | 13     | 16   |
| -80°   | 0    | 0      | 1    | 2      | 3    | 5      | 6    | 8      | 9    | 11     | 13   |
| -82.5° | 0    | 0      | 1    | 1      | 2    | 3      | 5    | 6      | 8    | 9      | 11   |
| -85°   | 0    | 0      | 1    | 1      | 2    | 2      | 3    | 4      | 5    | 6      | 8    |
| -87.5° | 0    | 0      | 0    | 0      | 1    | 1      | 2    | 2      | 3    | 3      | 4    |
| -90°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    |



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**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      | 1    | 1      | 1    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |
| 65°    | 1      | 2    | 1      | 1    | 0      | 1    | 1      | 1    | 0      | 0    | 0      |
| 62.5°  | 3      | 2    | 2      | 1    | 2      | 2    | 2      | 1    | 0      | 1    | 1      |
| 60°    | 3      | 3    | 2      | 2    | 3      | 3    | 2      | 2    | 2      | 3    | 7      |
| 57.5°  | 3      | 3    | 3      | 3    | 3      | 3    | 4      | 4    | 11     | 18   | 20     |
| 55°    | 3      | 3    | 3      | 4    | 5      | 5    | 8      | 17   | 25     | 31   | 34     |
| 52.5°  | 3      | 3    | 5      | 6    | 7      | 11   | 21     | 31   | 39     | 45   | 53     |
| 50°    | 4      | 5    | 6      | 8    | 13     | 24   | 35     | 46   | 57     | 66   | 78     |
| 47.5°  | 5      | 6    | 9      | 13   | 25     | 38   | 52     | 66   | 78     | 92   | 108    |
| 45°    | 6      | 10   | 13     | 23   | 37     | 54   | 72     | 87   | 100    | 116  | 131    |
| 42.5°  | 8      | 15   | 22     | 33   | 53     | 73   | 93     | 106  | 120    | 137  | 157    |
| 40°    | 13     | 21   | 32     | 49   | 70     | 94   | 112    | 125  | 140    | 165  | 188    |
| 37.5°  | 19     | 29   | 42     | 64   | 90     | 113  | 130    | 147  | 169    | 197  | 225    |
| 35°    | 25     | 37   | 56     | 81   | 110    | 131  | 150    | 171  | 201    | 233  | 267    |
| 32.5°  | 32     | 45   | 70     | 98   | 125    | 148  | 169    | 200  | 232    | 267  | 314    |
| 30°    | 39     | 56   | 84     | 114  | 140    | 164  | 193    | 228  | 259    | 303  | 357    |
| 27.5°  | 46     | 68   | 98     | 128  | 153    | 179  | 218    | 251  | 287    | 336  | 402    |
| 25°    | 54     | 81   | 111    | 140  | 166    | 198  | 241    | 277  | 314    | 376  | 464    |
| 22.5°  | 63     | 92   | 123    | 151  | 179    | 219  | 265    | 309  | 358    | 420  | 528    |
| 20°    | 73     | 103  | 135    | 165  | 191    | 239  | 290    | 345  | 410    | 497  | 639    |
| 17.5°  | 83     | 113  | 146    | 178  | 211    | 260  | 317    | 382  | 464    | 572  | 780    |
| 15°    | 91     | 122  | 157    | 191  | 230    | 282  | 345    | 424  | 523    | 658  | 917    |
| 12.5°  | 99     | 130  | 167    | 205  | 247    | 302  | 369    | 455  | 572    | 765  | 1092   |
| 10°    | 106    | 137  | 177    | 217  | 262    | 319  | 390    | 481  | 612    | 843  | 1222   |
| 7.5°   | 112    | 145  | 186    | 229  | 275    | 334  | 408    | 503  | 647    | 904  | 1324   |
| 5°     | 117    | 154  | 194    | 238  | 285    | 347  | 423    | 519  | 677    | 948  | 1402   |
| 2.5°   | 121    | 162  | 201    | 246  | 292    | 357  | 434    | 535  | 706    | 985  | 1469   |
| 0°     | 124    | 170  | 206    | 252  | 297    | 364  | 443    | 546  | 728    | 1010 | 1520   |
| -2.5°  | 129    | 174  | 213    | 256  | 306    | 369  | 447    | 554  | 735    | 1014 | 1510   |
| -5°    | 132    | 176  | 219    | 260  | 312    | 372  | 448    | 558  | 734    | 1006 | 1478   |
| -7.5°  | 135    | 178  | 224    | 263  | 316    | 374  | 449    | 556  | 727    | 989  | 1428   |
| -10°   | 137    | 180  | 225    | 266  | 317    | 374  | 446    | 549  | 710    | 956  | 1352   |
| -12.5° | 140    | 182  | 226    | 268  | 317    | 372  | 440    | 537  | 682    | 908  | 1254   |
| -15°   | 142    | 183  | 225    | 268  | 315    | 368  | 431    | 519  | 646    | 842  | 1133   |
| -17.5° | 143    | 183  | 224    | 265  | 313    | 362  | 418    | 499  | 613    | 785  | 1046   |
| -20°   | 143    | 183  | 223    | 261  | 309    | 356  | 410    | 483  | 585    | 730  | 941    |

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REPORT NUMBER: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 141    | 181  | 221    | 257  | 303    | 349  | 399    | 464  | 549    | 669  | 839    |
| -25°   | 139    | 179  | 218    | 255  | 296    | 341  | 386    | 443  | 517    | 623  | 764    |
| -27.5° | 134    | 175  | 214    | 251  | 289    | 333  | 375    | 426  | 491    | 573  | 686    |
| -30°   | 127    | 170  | 208    | 246  | 283    | 324  | 364    | 407  | 465    | 535  | 626    |
| -32.5° | 121    | 165  | 202    | 238  | 276    | 314  | 353    | 393  | 442    | 500  | 572    |
| -35°   | 116    | 157  | 195    | 229  | 266    | 304  | 341    | 378  | 418    | 470  | 531    |
| -37.5° | 113    | 150  | 188    | 221  | 256    | 292  | 328    | 363  | 400    | 441  | 497    |
| -40°   | 109    | 142  | 180    | 213  | 244    | 280  | 314    | 348  | 382    | 423  | 466    |
| -42.5° | 105    | 137  | 171    | 205  | 235    | 267  | 300    | 332  | 367    | 405  | 445    |
| -45°   | 101    | 130  | 163    | 194  | 225    | 255  | 287    | 317  | 350    | 386  | 423    |
| -47.5° | 95     | 123  | 154    | 182  | 212    | 242  | 273    | 303  | 332    | 366  | 401    |
| -50°   | 88     | 114  | 143    | 170  | 196    | 227  | 257    | 287  | 316    | 345  | 376    |
| -52.5° | 81     | 105  | 132    | 158  | 182    | 208  | 239    | 270  | 299    | 327  | 354    |
| -55°   | 73     | 95   | 120    | 145  | 170    | 192  | 219    | 250  | 279    | 306  | 335    |
| -57.5° | 67     | 86   | 108    | 132  | 156    | 180  | 204    | 231  | 259    | 286  | 313    |
| -60°   | 62     | 77   | 96     | 119  | 142    | 165  | 189    | 214  | 239    | 265  | 290    |
| -62.5° | 56     | 69   | 85     | 103  | 126    | 149  | 171    | 194  | 218    | 240  | 262    |
| -65°   | 51     | 61   | 74     | 90   | 107    | 128  | 150    | 172  | 194    | 214  | 232    |
| -67.5° | 45     | 54   | 65     | 76   | 92     | 109  | 127    | 147  | 167    | 186  | 204    |
| -70°   | 38     | 47   | 56     | 66   | 77     | 91   | 107    | 123  | 140    | 157  | 174    |
| -72.5° | 32     | 39   | 47     | 55   | 65     | 77   | 90     | 103  | 117    | 132  | 146    |
| -75°   | 26     | 32   | 39     | 46   | 54     | 64   | 74     | 85   | 97     | 108  | 120    |
| -77.5° | 21     | 26   | 31     | 36   | 43     | 50   | 59     | 67   | 77     | 86   | 95     |
| -80°   | 16     | 19   | 24     | 28   | 33     | 39   | 44     | 50   | 57     | 65   | 72     |
| -82.5° | 13     | 15   | 18     | 21   | 24     | 28   | 31     | 36   | 41     | 46   | 52     |
| -85°   | 9      | 11   | 12     | 14   | 16     | 18   | 20     | 23   | 26     | 29   | 33     |
| -87.5° | 5      | 5    | 6      | 7    | 8      | 9    | 10     | 11   | 12     | 14   | 16     |
| -90°   | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      |



REPORT NUMBER: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°    | 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      | 2     | 2      | 2     | 2      | 2     |
| 60°    | 8    | 6      | 8    | 10     | 10   | 7      | 11    | 12     | 11    | 9      | 9     |
| 57.5°  | 21   | 23     | 26   | 31     | 34   | 36     | 39    | 42     | 44    | 46     | 47    |
| 55°    | 39   | 47     | 55   | 59     | 65   | 75     | 84    | 85     | 86    | 88     | 93    |
| 52.5°  | 62   | 71     | 76   | 83     | 96   | 104    | 108   | 115    | 123   | 130    | 136   |
| 50°    | 91   | 98     | 107  | 119    | 131  | 139    | 142   | 154    | 170   | 182    | 189   |
| 47.5°  | 119  | 129    | 146  | 166    | 177  | 186    | 199   | 215    | 231   | 249    | 263   |
| 45°    | 145  | 164    | 185  | 203    | 218  | 233    | 250   | 270    | 296   | 321    | 340   |
| 42.5°  | 176  | 196    | 218  | 239    | 254  | 280    | 310   | 334    | 371   | 404    | 425   |
| 40°    | 211  | 231    | 262  | 288    | 320  | 353    | 404   | 451    | 499   | 554    | 595   |
| 37.5°  | 253  | 285    | 328  | 370    | 417  | 466    | 557   | 651    | 728   | 835    | 895   |
| 35°    | 303  | 353    | 414  | 476    | 552  | 669    | 803   | 984    | 1172  | 1329   | 1480  |
| 32.5°  | 362  | 425    | 509  | 621    | 748  | 937    | 1137  | 1471   | 1795  | 2120   | 2438  |
| 30°    | 419  | 511    | 640  | 793    | 1003 | 1301   | 1679  | 2194   | 2752  | 3241   | 3683  |
| 27.5°  | 496  | 626    | 793  | 1023   | 1379 | 1816   | 2515  | 3230   | 3940  | 4575   | 5030  |
| 25°    | 589  | 763    | 1000 | 1379   | 1893 | 2618   | 3555  | 4432   | 5265  | 5887   | 6411  |
| 22.5°  | 723  | 984    | 1320 | 1803   | 2737 | 3744   | 4866  | 5969   | 6905  | 7689   | 8205  |
| 20°    | 888  | 1242   | 1804 | 2679   | 3777 | 5038   | 6481  | 7641   | 8794  | 9676   | 10464 |
| 17.5°  | 1123 | 1685   | 2480 | 3591   | 4903 | 6584   | 8070  | 9364   | 10828 | 11729  | 12533 |
| 15°    | 1334 | 2057   | 3189 | 4607   | 6144 | 7926   | 9678  | 11263  | 12677 | 13667  | 14565 |
| 12.5°  | 1600 | 2452   | 3753 | 5421   | 7103 | 9086   | 10908 | 12605  | 13989 | 15008  | 15637 |
| 10°    | 1839 | 2856   | 4317 | 6061   | 7944 | 10016  | 11904 | 13670  | 15011 | 15799  | 16261 |
| 7.5°   | 2032 | 3193   | 4773 | 6609   | 8596 | 10682  | 12676 | 14429  | 15713 | 16372  | 16687 |
| 5°     | 2182 | 3442   | 5131 | 7058   | 9122 | 11257  | 13292 | 15008  | 16088 | 16633  | 16810 |
| 2.5°   | 2294 | 3616   | 5372 | 7354   | 9477 | 11681  | 13759 | 15450  | 16372 | 16765  | 16823 |
| 0°     | 2370 | 3738   | 5528 | 7540   | 9782 | 11833  | 14011 | 15728  | 16605 | 16921  | 16951 |
| -2.5°  | 2352 | 3694   | 5521 | 7472   | 9747 | 11901  | 14051 | 15746  | 16685 | 17109  | 17178 |
| -5°    | 2304 | 3590   | 5338 | 7281   | 9470 | 11627  | 13678 | 15467  | 16619 | 17259  | 17543 |
| -7.5°  | 2212 | 3410   | 5025 | 6916   | 9020 | 11180  | 13271 | 15128  | 16453 | 17354  | 17909 |
| -10°   | 2054 | 3148   | 4624 | 6453   | 8528 | 10585  | 12653 | 14580  | 16007 | 17092  | 17865 |
| -12.5° | 1840 | 2792   | 4136 | 5799   | 7884 | 9805   | 11763 | 13609  | 15167 | 16504  | 17303 |
| -15°   | 1618 | 2421   | 3629 | 5150   | 6965 | 8857   | 10666 | 12477  | 14015 | 15266  | 16262 |
| -17.5° | 1460 | 2097   | 3041 | 4372   | 5966 | 7761   | 9526  | 11190  | 12577 | 13753  | 14798 |
| -20°   | 1260 | 1733   | 2481 | 3600   | 5004 | 6573   | 8263  | 9744   | 10983 | 12086  | 13084 |

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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° | 1101 | 1484   | 2024 | 2788   | 4049 | 5433   | 6815 | 8179   | 9344 | 10325  | 11177 |
| -25°   | 957  | 1226   | 1648 | 2269   | 3089 | 4284   | 5449 | 6600   | 7676 | 8588   | 9356  |
| -27.5° | 844  | 1057   | 1339 | 1781   | 2403 | 3100   | 4121 | 5084   | 6008 | 6843   | 7566  |
| -30°   | 741  | 901    | 1121 | 1397   | 1820 | 2339   | 2953 | 3672   | 4410 | 5068   | 5726  |
| -32.5° | 667  | 781    | 932  | 1137   | 1374 | 1745   | 2116 | 2600   | 3067 | 3547   | 4019  |
| -35°   | 600  | 692    | 795  | 932    | 1095 | 1311   | 1556 | 1851   | 2101 | 2415   | 2705  |
| -37.5° | 555  | 619    | 698  | 784    | 901  | 1021   | 1187 | 1367   | 1521 | 1696   | 1844  |
| -40°   | 517  | 567    | 621  | 679    | 759  | 841    | 948  | 1048   | 1147 | 1253   | 1333  |
| -42.5° | 485  | 526    | 564  | 609    | 657  | 722    | 794  | 857    | 916  | 979    | 1031  |
| -45°   | 460  | 490    | 521  | 556    | 592  | 640    | 691  | 738    | 776  | 811    | 840   |
| -47.5° | 433  | 461    | 488  | 515    | 546  | 580    | 613  | 643    | 676  | 703    | 723   |
| -50°   | 407  | 434    | 459  | 482    | 509  | 536    | 562  | 586    | 609  | 629    | 642   |
| -52.5° | 381  | 409    | 433  | 455    | 477  | 500    | 522  | 543    | 563  | 581    | 589   |
| -55°   | 362  | 388    | 412  | 431    | 450  | 469    | 489  | 509    | 528  | 545    | 550   |
| -57.5° | 340  | 366    | 390  | 408    | 425  | 442    | 460  | 479    | 497  | 514    | 519   |
| -60°   | 316  | 343    | 364  | 381    | 398  | 417    | 434  | 451    | 468  | 482    | 487   |
| -62.5° | 286  | 311    | 330  | 347    | 363  | 378    | 396  | 414    | 432  | 446    | 454   |
| -65°   | 252  | 273    | 291  | 308    | 323  | 338    | 355  | 372    | 388  | 400    | 409   |
| -67.5° | 221  | 238    | 253  | 268    | 283  | 298    | 314  | 329    | 344  | 355    | 362   |
| -70°   | 191  | 206    | 220  | 234    | 248  | 261    | 274  | 287    | 300  | 309    | 316   |
| -72.5° | 161  | 175    | 187  | 199    | 211  | 223    | 234  | 245    | 256  | 265    | 272   |
| -75°   | 133  | 145    | 155  | 166    | 176  | 185    | 194  | 203    | 211  | 218    | 224   |
| -77.5° | 105  | 114    | 123  | 132    | 141  | 148    | 155  | 162    | 168  | 174    | 180   |
| -80°   | 80   | 87     | 94   | 100    | 107  | 113    | 118  | 123    | 128  | 132    | 137   |
| -82.5° | 58   | 62     | 66   | 71     | 75   | 79     | 83   | 87     | 90   | 94     | 97    |
| -85°   | 37   | 39     | 42   | 44     | 46   | 49     | 51   | 53     | 55   | 58     | 60    |
| -87.5° | 17   | 19     | 20   | 21     | 22   | 23     | 24   | 25     | 26   | 27     | 28    |
| -90°   | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0    | 0      | 0     |



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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°  | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 2     | 2     | 2     | 2     |
| 60°    | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 11    | 12    |
| 57.5°  | 46    | 43    | 40    | 36    | 40    | 43    | 46    | 47    | 46    | 44    | 42    |
| 55°    | 99    | 105   | 107   | 106   | 107   | 105   | 99    | 93    | 88    | 86    | 85    |
| 52.5°  | 141   | 143   | 143   | 140   | 143   | 143   | 141   | 136   | 130   | 123   | 115   |
| 50°    | 192   | 193   | 191   | 188   | 191   | 193   | 192   | 189   | 182   | 170   | 154   |
| 47.5°  | 270   | 275   | 276   | 276   | 276   | 275   | 270   | 263   | 249   | 231   | 215   |
| 45°    | 347   | 351   | 352   | 352   | 352   | 351   | 347   | 340   | 321   | 296   | 270   |
| 42.5°  | 436   | 443   | 445   | 443   | 445   | 443   | 436   | 425   | 404   | 371   | 334   |
| 40°    | 618   | 626   | 622   | 613   | 622   | 626   | 618   | 595   | 554   | 499   | 451   |
| 37.5°  | 937   | 967   | 980   | 980   | 980   | 967   | 937   | 895   | 835   | 728   | 651   |
| 35°    | 1615  | 1724  | 1773  | 1711  | 1773  | 1724  | 1615  | 1480  | 1329  | 1172  | 984   |
| 32.5°  | 2698  | 2890  | 2998  | 2998  | 2998  | 2890  | 2698  | 2438  | 2120  | 1795  | 1471  |
| 30°    | 4017  | 4257  | 4392  | 4421  | 4392  | 4257  | 4017  | 3683  | 3241  | 2752  | 2194  |
| 27.5°  | 5385  | 5633  | 5762  | 5743  | 5762  | 5633  | 5385  | 5030  | 4575  | 3940  | 3230  |
| 25°    | 6758  | 6946  | 7054  | 7057  | 7054  | 6946  | 6758  | 6411  | 5887  | 5265  | 4432  |
| 22.5°  | 8786  | 9181  | 9344  | 9387  | 9344  | 9181  | 8786  | 8205  | 7689  | 6905  | 5969  |
| 20°    | 10997 | 11380 | 11627 | 11642 | 11627 | 11380 | 10997 | 10464 | 9676  | 8794  | 7641  |
| 17.5°  | 13103 | 13293 | 13328 | 13344 | 13328 | 13293 | 13103 | 12533 | 11729 | 10828 | 9364  |
| 15°    | 15088 | 15155 | 15330 | 15352 | 15330 | 15155 | 15088 | 14565 | 13667 | 12677 | 11263 |
| 12.5°  | 16031 | 16092 | 16062 | 15980 | 16062 | 16092 | 16031 | 15637 | 15008 | 13989 | 12605 |
| 10°    | 16545 | 16459 | 16331 | 16178 | 16331 | 16459 | 16545 | 16261 | 15799 | 15011 | 13670 |
| 7.5°   | 16661 | 16566 | 16340 | 16117 | 16340 | 16566 | 16661 | 16687 | 16372 | 15713 | 14429 |
| 5°     | 16717 | 16437 | 16152 | 15880 | 16152 | 16437 | 16717 | 16810 | 16633 | 16088 | 15008 |
| 2.5°   | 16684 | 16351 | 15960 | 15668 | 15960 | 16351 | 16684 | 16823 | 16765 | 16372 | 15450 |
| 0°     | 16790 | 16454 | 16044 | 15935 | 16044 | 16454 | 16790 | 16951 | 16921 | 16605 | 15728 |
| -2.5°  | 17087 | 16814 | 16600 | 16542 | 16600 | 16814 | 17087 | 17178 | 17109 | 16685 | 15746 |
| -5°    | 17620 | 17560 | 17197 | 17282 | 17197 | 17560 | 17620 | 17543 | 17259 | 16619 | 15467 |
| -7.5°  | 18135 | 18050 | 17896 | 18095 | 17896 | 18050 | 18135 | 17909 | 17354 | 16453 | 15128 |
| -10°   | 18272 | 18244 | 18316 | 18492 | 18316 | 18244 | 18272 | 17865 | 17092 | 16007 | 14580 |
| -12.5° | 17852 | 18072 | 18319 | 18505 | 18319 | 18072 | 17852 | 17303 | 16504 | 15167 | 13609 |
| -15°   | 16916 | 17366 | 17735 | 17910 | 17735 | 17366 | 16916 | 16262 | 15266 | 14015 | 12477 |
| -17.5° | 15538 | 16089 | 16526 | 16651 | 16526 | 16089 | 15538 | 14798 | 13753 | 12577 | 11190 |
| -20°   | 13840 | 14401 | 14799 | 14958 | 14799 | 14401 | 13840 | 13084 | 12086 | 10983 | 9744  |

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REPORT NUMBER: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -7.5° | -5°   | -2.5° | 0°    | 2.5°  | 5°    | 7.5°  | 10°   | 12.5° | 15°  | 17.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| -22.5° | 11930 | 12478 | 12838 | 13028 | 12838 | 12478 | 11930 | 11177 | 10325 | 9344 | 8179  |
| -25°   | 9991  | 10473 | 10793 | 10877 | 10793 | 10473 | 9991  | 9356  | 8588  | 7676 | 6600  |
| -27.5° | 8138  | 8525  | 8761  | 8787  | 8761  | 8525  | 8138  | 7566  | 6843  | 6008 | 5084  |
| -30°   | 6273  | 6632  | 6836  | 6945  | 6836  | 6632  | 6273  | 5726  | 5068  | 4410 | 3672  |
| -32.5° | 4405  | 4691  | 4864  | 4909  | 4864  | 4691  | 4405  | 4019  | 3547  | 3067 | 2600  |
| -35°   | 2937  | 3115  | 3224  | 3246  | 3224  | 3115  | 2937  | 2705  | 2415  | 2101 | 1851  |
| -37.5° | 1964  | 2051  | 2104  | 2130  | 2104  | 2051  | 1964  | 1844  | 1696  | 1521 | 1367  |
| -40°   | 1391  | 1432  | 1455  | 1459  | 1455  | 1432  | 1391  | 1333  | 1253  | 1147 | 1048  |
| -42.5° | 1064  | 1085  | 1095  | 1098  | 1095  | 1085  | 1064  | 1031  | 979   | 916  | 857   |
| -45°   | 860   | 874   | 883   | 886   | 883   | 874   | 860   | 840   | 811   | 776  | 738   |
| -47.5° | 736   | 745   | 751   | 752   | 751   | 745   | 736   | 723   | 703   | 676  | 643   |
| -50°   | 649   | 654   | 656   | 655   | 656   | 654   | 649   | 642   | 629   | 609  | 586   |
| -52.5° | 594   | 598   | 599   | 598   | 599   | 598   | 594   | 589   | 581   | 563  | 543   |
| -55°   | 554   | 556   | 557   | 555   | 557   | 556   | 554   | 550   | 545   | 528  | 509   |
| -57.5° | 523   | 526   | 525   | 522   | 525   | 526   | 523   | 519   | 514   | 497  | 479   |
| -60°   | 492   | 496   | 496   | 495   | 496   | 496   | 492   | 487   | 482   | 468  | 451   |
| -62.5° | 462   | 468   | 468   | 467   | 468   | 468   | 462   | 454   | 446   | 432  | 414   |
| -65°   | 417   | 425   | 425   | 422   | 425   | 425   | 417   | 409   | 400   | 388  | 372   |
| -67.5° | 369   | 374   | 374   | 373   | 374   | 374   | 369   | 362   | 355   | 344  | 329   |
| -70°   | 323   | 329   | 329   | 328   | 329   | 329   | 323   | 316   | 309   | 300  | 287   |
| -72.5° | 278   | 283   | 285   | 285   | 285   | 283   | 278   | 272   | 265   | 256  | 245   |
| -75°   | 230   | 235   | 235   | 234   | 235   | 235   | 230   | 224   | 218   | 211  | 203   |
| -77.5° | 185   | 190   | 189   | 188   | 189   | 190   | 185   | 180   | 174   | 168  | 162   |
| -80°   | 141   | 145   | 144   | 143   | 144   | 145   | 141   | 137   | 132   | 128  | 123   |
| -82.5° | 100   | 103   | 102   | 100   | 102   | 103   | 100   | 97    | 94    | 90   | 87    |
| -85°   | 62    | 63    | 64    | 64    | 64    | 63    | 62    | 60    | 58    | 55   | 53    |
| -87.5° | 29    | 30    | 29    | 27    | 29    | 30    | 29    | 28    | 27    | 26   | 25    |
| -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     | 1   |
| 62.5°  | 2     | 1     | 1    | 1     | 1    | 1     | 1    | 1     | 1    | 0     | 1   |
| 60°    | 11    | 7     | 10   | 10    | 8    | 6     | 8    | 7     | 3    | 2     | 2   |
| 57.5°  | 39    | 36    | 34   | 31    | 26   | 23    | 21   | 20    | 18   | 11    | 4   |
| 55°    | 84    | 75    | 65   | 59    | 55   | 47    | 39   | 34    | 31   | 25    | 17  |
| 52.5°  | 108   | 104   | 96   | 83    | 76   | 71    | 62   | 53    | 45   | 39    | 31  |
| 50°    | 142   | 139   | 131  | 119   | 107  | 98    | 91   | 78    | 66   | 57    | 46  |
| 47.5°  | 199   | 186   | 177  | 166   | 146  | 129   | 119  | 108   | 92   | 78    | 66  |
| 45°    | 250   | 233   | 218  | 203   | 185  | 164   | 145  | 131   | 116  | 100   | 87  |
| 42.5°  | 310   | 280   | 254  | 239   | 218  | 196   | 176  | 157   | 137  | 120   | 106 |
| 40°    | 404   | 353   | 320  | 288   | 262  | 231   | 211  | 188   | 165  | 140   | 125 |
| 37.5°  | 557   | 466   | 417  | 370   | 328  | 285   | 253  | 225   | 197  | 169   | 147 |
| 35°    | 803   | 669   | 552  | 476   | 414  | 353   | 303  | 267   | 233  | 201   | 171 |
| 32.5°  | 1137  | 937   | 748  | 621   | 509  | 425   | 362  | 314   | 267  | 232   | 200 |
| 30°    | 1679  | 1301  | 1003 | 793   | 640  | 511   | 419  | 357   | 303  | 259   | 228 |
| 27.5°  | 2515  | 1816  | 1379 | 1023  | 793  | 626   | 496  | 402   | 336  | 287   | 251 |
| 25°    | 3555  | 2618  | 1893 | 1379  | 1000 | 763   | 589  | 464   | 376  | 314   | 277 |
| 22.5°  | 4866  | 3744  | 2737 | 1803  | 1320 | 984   | 723  | 528   | 420  | 358   | 309 |
| 20°    | 6481  | 5038  | 3777 | 2679  | 1804 | 1242  | 888  | 639   | 497  | 410   | 345 |
| 17.5°  | 8070  | 6584  | 4903 | 3591  | 2480 | 1685  | 1123 | 780   | 572  | 464   | 382 |
| 15°    | 9678  | 7926  | 6144 | 4607  | 3189 | 2057  | 1334 | 917   | 658  | 523   | 424 |
| 12.5°  | 10908 | 9086  | 7103 | 5421  | 3753 | 2452  | 1600 | 1092  | 765  | 572   | 455 |
| 10°    | 11904 | 10016 | 7944 | 6061  | 4317 | 2856  | 1839 | 1222  | 843  | 612   | 481 |
| 7.5°   | 12676 | 10682 | 8596 | 6609  | 4773 | 3193  | 2032 | 1324  | 904  | 647   | 503 |
| 5°     | 13292 | 11257 | 9122 | 7058  | 5131 | 3442  | 2182 | 1402  | 948  | 677   | 519 |
| 2.5°   | 13759 | 11681 | 9477 | 7354  | 5372 | 3616  | 2294 | 1469  | 985  | 706   | 535 |
| 0°     | 14011 | 11833 | 9782 | 7540  | 5528 | 3738  | 2370 | 1520  | 1010 | 728   | 546 |
| -2.5°  | 14051 | 11901 | 9747 | 7472  | 5521 | 3694  | 2352 | 1510  | 1014 | 735   | 554 |
| -5°    | 13678 | 11627 | 9470 | 7281  | 5338 | 3590  | 2304 | 1478  | 1006 | 734   | 558 |
| -7.5°  | 13271 | 11180 | 9020 | 6916  | 5025 | 3410  | 2212 | 1428  | 989  | 727   | 556 |
| -10°   | 12653 | 10585 | 8528 | 6453  | 4624 | 3148  | 2054 | 1352  | 956  | 710   | 549 |
| -12.5° | 11763 | 9805  | 7884 | 5799  | 4136 | 2792  | 1840 | 1254  | 908  | 682   | 537 |
| -15°   | 10666 | 8857  | 6965 | 5150  | 3629 | 2421  | 1618 | 1133  | 842  | 646   | 519 |
| -17.5° | 9526  | 7761  | 5966 | 4372  | 3041 | 2097  | 1460 | 1046  | 785  | 613   | 499 |
| -20°   | 8263  | 6573  | 5004 | 3600  | 2481 | 1733  | 1260 | 941   | 730  | 585   | 483 |

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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° | 6815 | 5433  | 4049 | 2788  | 2024 | 1484  | 1101 | 839   | 669 | 549   | 464 |
| -25°   | 5449 | 4284  | 3089 | 2269  | 1648 | 1226  | 957  | 764   | 623 | 517   | 443 |
| -27.5° | 4121 | 3100  | 2403 | 1781  | 1339 | 1057  | 844  | 686   | 573 | 491   | 426 |
| -30°   | 2953 | 2339  | 1820 | 1397  | 1121 | 901   | 741  | 626   | 535 | 465   | 407 |
| -32.5° | 2116 | 1745  | 1374 | 1137  | 932  | 781   | 667  | 572   | 500 | 442   | 393 |
| -35°   | 1556 | 1311  | 1095 | 932   | 795  | 692   | 600  | 531   | 470 | 418   | 378 |
| -37.5° | 1187 | 1021  | 901  | 784   | 698  | 619   | 555  | 497   | 441 | 400   | 363 |
| -40°   | 948  | 841   | 759  | 679   | 621  | 567   | 517  | 466   | 423 | 382   | 348 |
| -42.5° | 794  | 722   | 657  | 609   | 564  | 526   | 485  | 445   | 405 | 367   | 332 |
| -45°   | 691  | 640   | 592  | 556   | 521  | 490   | 460  | 423   | 386 | 350   | 317 |
| -47.5° | 613  | 580   | 546  | 515   | 488  | 461   | 433  | 401   | 366 | 332   | 303 |
| -50°   | 562  | 536   | 509  | 482   | 459  | 434   | 407  | 376   | 345 | 316   | 287 |
| -52.5° | 522  | 500   | 477  | 455   | 433  | 409   | 381  | 354   | 327 | 299   | 270 |
| -55°   | 489  | 469   | 450  | 431   | 412  | 388   | 362  | 335   | 306 | 279   | 250 |
| -57.5° | 460  | 442   | 425  | 408   | 390  | 366   | 340  | 313   | 286 | 259   | 231 |
| -60°   | 434  | 417   | 398  | 381   | 364  | 343   | 316  | 290   | 265 | 239   | 214 |
| -62.5° | 396  | 378   | 363  | 347   | 330  | 311   | 286  | 262   | 240 | 218   | 194 |
| -65°   | 355  | 338   | 323  | 308   | 291  | 273   | 252  | 232   | 214 | 194   | 172 |
| -67.5° | 314  | 298   | 283  | 268   | 253  | 238   | 221  | 204   | 186 | 167   | 147 |
| -70°   | 274  | 261   | 248  | 234   | 220  | 206   | 191  | 174   | 157 | 140   | 123 |
| -72.5° | 234  | 223   | 211  | 199   | 187  | 175   | 161  | 146   | 132 | 117   | 103 |
| -75°   | 194  | 185   | 176  | 166   | 155  | 145   | 133  | 120   | 108 | 97    | 85  |
| -77.5° | 155  | 148   | 141  | 132   | 123  | 114   | 105  | 95    | 86  | 77    | 67  |
| -80°   | 118  | 113   | 107  | 100   | 94   | 87    | 80   | 72    | 65  | 57    | 50  |
| -82.5° | 83   | 79    | 75   | 71    | 66   | 62    | 58   | 52    | 46  | 41    | 36  |
| -85°   | 51   | 49    | 46   | 44    | 42   | 39    | 37   | 33    | 29  | 26    | 23  |
| -87.5° | 24   | 23    | 22   | 21    | 20   | 19    | 17   | 16    | 14  | 12    | 11  |
| -90°   | 0    | 0     | 0    | 0     | 0    | 0     | 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° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 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     | 1   | 1     | 1   | 0     | 0   | 0     | 0   | 0     |
| 65°    | 1     | 1   | 0     | 1   | 1     | 2   | 1     | 1   | 1     | 1   | 0     |
| 62.5°  | 2     | 2   | 2     | 1   | 2     | 2   | 3     | 2   | 2     | 1   | 1     |
| 60°    | 2     | 3   | 3     | 2   | 2     | 3   | 3     | 3   | 2     | 2   | 1     |
| 57.5°  | 4     | 3   | 3     | 3   | 3     | 3   | 3     | 3   | 3     | 3   | 2     |
| 55°    | 8     | 5   | 5     | 4   | 3     | 3   | 3     | 3   | 3     | 3   | 3     |
| 52.5°  | 21    | 11  | 7     | 6   | 5     | 3   | 3     | 3   | 3     | 3   | 3     |
| 50°    | 35    | 24  | 13    | 8   | 6     | 5   | 4     | 4   | 3     | 3   | 3     |
| 47.5°  | 52    | 38  | 25    | 13  | 9     | 6   | 5     | 4   | 3     | 3   | 3     |
| 45°    | 72    | 54  | 37    | 23  | 13    | 10  | 6     | 5   | 4     | 3   | 4     |
| 42.5°  | 93    | 73  | 53    | 33  | 22    | 15  | 8     | 6   | 5     | 3   | 4     |
| 40°    | 112   | 94  | 70    | 49  | 32    | 21  | 13    | 7   | 6     | 4   | 4     |
| 37.5°  | 130   | 113 | 90    | 64  | 42    | 29  | 19    | 8   | 7     | 5   | 4     |
| 35°    | 150   | 131 | 110   | 81  | 56    | 37  | 25    | 11  | 9     | 6   | 4     |
| 32.5°  | 169   | 148 | 125   | 98  | 70    | 45  | 32    | 18  | 11    | 7   | 5     |
| 30°    | 193   | 164 | 140   | 114 | 84    | 56  | 39    | 24  | 13    | 8   | 5     |
| 27.5°  | 218   | 179 | 153   | 128 | 98    | 68  | 46    | 30  | 16    | 10  | 6     |
| 25°    | 241   | 198 | 166   | 140 | 111   | 81  | 54    | 35  | 20    | 12  | 7     |
| 22.5°  | 265   | 219 | 179   | 151 | 123   | 92  | 63    | 41  | 25    | 15  | 8     |
| 20°    | 290   | 239 | 191   | 165 | 135   | 103 | 73    | 48  | 29    | 17  | 9     |
| 17.5°  | 317   | 260 | 211   | 178 | 146   | 113 | 83    | 55  | 33    | 20  | 10    |
| 15°    | 345   | 282 | 230   | 191 | 157   | 122 | 91    | 61  | 36    | 22  | 11    |
| 12.5°  | 369   | 302 | 247   | 205 | 167   | 130 | 99    | 68  | 39    | 25  | 13    |
| 10°    | 390   | 319 | 262   | 217 | 177   | 137 | 106   | 74  | 44    | 27  | 16    |
| 7.5°   | 408   | 334 | 275   | 229 | 186   | 145 | 112   | 79  | 49    | 29  | 18    |
| 5°     | 423   | 347 | 285   | 238 | 194   | 154 | 117   | 83  | 54    | 31  | 20    |
| 2.5°   | 434   | 357 | 292   | 246 | 201   | 162 | 121   | 86  | 59    | 32  | 22    |
| 0°     | 443   | 364 | 297   | 252 | 206   | 170 | 124   | 88  | 64    | 33  | 24    |
| -2.5°  | 447   | 369 | 306   | 256 | 213   | 174 | 129   | 93  | 67    | 38  | 25    |
| -5°    | 448   | 372 | 312   | 260 | 219   | 176 | 132   | 97  | 69    | 42  | 26    |
| -7.5°  | 449   | 374 | 316   | 263 | 224   | 178 | 135   | 100 | 71    | 45  | 26    |
| -10°   | 446   | 374 | 317   | 266 | 225   | 180 | 137   | 103 | 73    | 48  | 27    |
| -12.5° | 440   | 372 | 317   | 268 | 226   | 182 | 140   | 105 | 74    | 50  | 27    |
| -15°   | 431   | 368 | 315   | 268 | 225   | 183 | 142   | 106 | 75    | 51  | 28    |
| -17.5° | 418   | 362 | 313   | 265 | 224   | 183 | 143   | 106 | 75    | 51  | 28    |
| -20°   | 410   | 356 | 309   | 261 | 223   | 183 | 143   | 104 | 75    | 50  | 30    |

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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° | 399   | 349 | 303   | 257 | 221   | 181 | 141   | 102 | 74    | 49  | 30    |
| -25°   | 386   | 341 | 296   | 255 | 218   | 179 | 139   | 98  | 72    | 48  | 31    |
| -27.5° | 375   | 333 | 289   | 251 | 214   | 175 | 134   | 96  | 70    | 47  | 31    |
| -30°   | 364   | 324 | 283   | 246 | 208   | 170 | 127   | 93  | 68    | 46  | 30    |
| -32.5° | 353   | 314 | 276   | 238 | 202   | 165 | 121   | 89  | 66    | 46  | 30    |
| -35°   | 341   | 304 | 266   | 229 | 195   | 157 | 116   | 85  | 64    | 44  | 29    |
| -37.5° | 328   | 292 | 256   | 221 | 188   | 150 | 113   | 83  | 62    | 43  | 28    |
| -40°   | 314   | 280 | 244   | 213 | 180   | 142 | 109   | 82  | 60    | 40  | 27    |
| -42.5° | 300   | 267 | 235   | 205 | 171   | 137 | 105   | 79  | 57    | 38  | 25    |
| -45°   | 287   | 255 | 225   | 194 | 163   | 130 | 101   | 75  | 53    | 36  | 24    |
| -47.5° | 273   | 242 | 212   | 182 | 154   | 123 | 95    | 71  | 49    | 35  | 24    |
| -50°   | 257   | 227 | 196   | 170 | 143   | 114 | 88    | 65  | 47    | 33  | 23    |
| -52.5° | 239   | 208 | 182   | 158 | 132   | 105 | 81    | 60  | 45    | 31  | 22    |
| -55°   | 219   | 192 | 170   | 145 | 120   | 95  | 73    | 56  | 42    | 30  | 20    |
| -57.5° | 204   | 180 | 156   | 132 | 108   | 86  | 67    | 52  | 39    | 28  | 19    |
| -60°   | 189   | 165 | 142   | 119 | 96    | 77  | 62    | 48  | 36    | 26  | 18    |
| -62.5° | 171   | 149 | 126   | 103 | 85    | 69  | 56    | 44  | 33    | 24  | 17    |
| -65°   | 150   | 128 | 107   | 90  | 74    | 61  | 51    | 40  | 30    | 22  | 16    |
| -67.5° | 127   | 109 | 92    | 76  | 65    | 54  | 45    | 35  | 27    | 20  | 14    |
| -70°   | 107   | 91  | 77    | 66  | 56    | 47  | 38    | 30  | 23    | 17  | 13    |
| -72.5° | 90    | 77  | 65    | 55  | 47    | 39  | 32    | 25  | 20    | 15  | 11    |
| -75°   | 74    | 64  | 54    | 46  | 39    | 32  | 26    | 21  | 16    | 12  | 10    |
| -77.5° | 59    | 50  | 43    | 36  | 31    | 26  | 21    | 16  | 13    | 11  | 9     |
| -80°   | 44    | 39  | 33    | 28  | 24    | 19  | 16    | 13  | 11    | 9   | 8     |
| -82.5° | 31    | 28  | 24    | 21  | 18    | 15  | 13    | 11  | 9     | 8   | 6     |
| -85°   | 20    | 18  | 16    | 14  | 12    | 11  | 9     | 8   | 6     | 5   | 4     |
| -87.5° | 10    | 9   | 8     | 7   | 6     | 5   | 5     | 4   | 3     | 3   | 2     |
| -90°   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     | 0   | 0     |

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**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   | 1     | 1   | 0     | 0   | 0     | 0   |
| 67.5°  | 0   | 1     | 1   | 0     | 0   | 0     | 0   |
| 65°    | 0   | 1     | 1   | 1     | 0   | 0     | 0   |
| 62.5°  | 0   | 1     | 2   | 1     | 0   | 0     | 0   |
| 60°    | 1   | 1     | 2   | 1     | 0   | 0     | 0   |
| 57.5°  | 1   | 1     | 2   | 2     | 0   | 0     | 0   |
| 55°    | 2   | 1     | 2   | 2     | 0   | 0     | 0   |
| 52.5°  | 2   | 2     | 2   | 2     | 1   | 0     | 0   |
| 50°    | 3   | 2     | 2   | 3     | 1   | 0     | 0   |
| 47.5°  | 3   | 2     | 2   | 3     | 1   | 0     | 0   |
| 45°    | 3   | 2     | 2   | 3     | 1   | 0     | 0   |
| 42.5°  | 4   | 3     | 2   | 3     | 1   | 0     | 0   |
| 40°    | 4   | 3     | 3   | 3     | 2   | 0     | 0   |
| 37.5°  | 4   | 3     | 3   | 3     | 2   | 0     | 0   |
| 35°    | 5   | 3     | 3   | 3     | 2   | 0     | 0   |
| 32.5°  | 5   | 4     | 3   | 3     | 2   | 0     | 0   |
| 30°    | 5   | 4     | 3   | 3     | 2   | 0     | 0   |
| 27.5°  | 5   | 4     | 3   | 3     | 2   | 0     | 0   |
| 25°    | 6   | 5     | 3   | 3     | 2   | 0     | 0   |
| 22.5°  | 6   | 5     | 3   | 3     | 3   | 0     | 0   |
| 20°    | 6   | 5     | 3   | 3     | 3   | 0     | 0   |
| 17.5°  | 6   | 5     | 3   | 3     | 3   | 0     | 0   |
| 15°    | 7   | 6     | 3   | 3     | 3   | 0     | 0   |
| 12.5°  | 7   | 6     | 3   | 3     | 3   | 0     | 0   |
| 10°    | 7   | 6     | 3   | 3     | 3   | 0     | 0   |
| 7.5°   | 8   | 6     | 3   | 3     | 3   | 0     | 0   |
| 5°     | 8   | 6     | 3   | 3     | 3   | 0     | 0   |
| 2.5°   | 9   | 6     | 3   | 3     | 3   | 0     | 0   |
| 0°     | 9   | 6     | 3   | 3     | 3   | 0     | 0   |
| -2.5°  | 11  | 6     | 3   | 3     | 3   | 0     | 0   |
| -5°    | 12  | 7     | 4   | 3     | 3   | 0     | 0   |
| -7.5°  | 14  | 7     | 4   | 3     | 3   | 0     | 0   |
| -10°   | 15  | 7     | 4   | 3     | 3   | 0     | 0   |
| -12.5° | 16  | 7     | 4   | 3     | 3   | 0     | 0   |
| -15°   | 17  | 8     | 4   | 3     | 3   | 0     | 0   |
| -17.5° | 17  | 8     | 5   | 3     | 3   | 0     | 0   |
| -20°   | 17  | 8     | 5   | 3     | 3   | 0     | 0   |

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627026 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)