

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: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-750-U-NR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1D-750-U-NR-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, NARROW SYMMETRICAL ROUND N3 WITH VISOR  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7105.9 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 72029.9 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.6°H x 13.6°V  
Beam Lumens: 2268.5 lumens  
Beam Efficiency: 31.9%

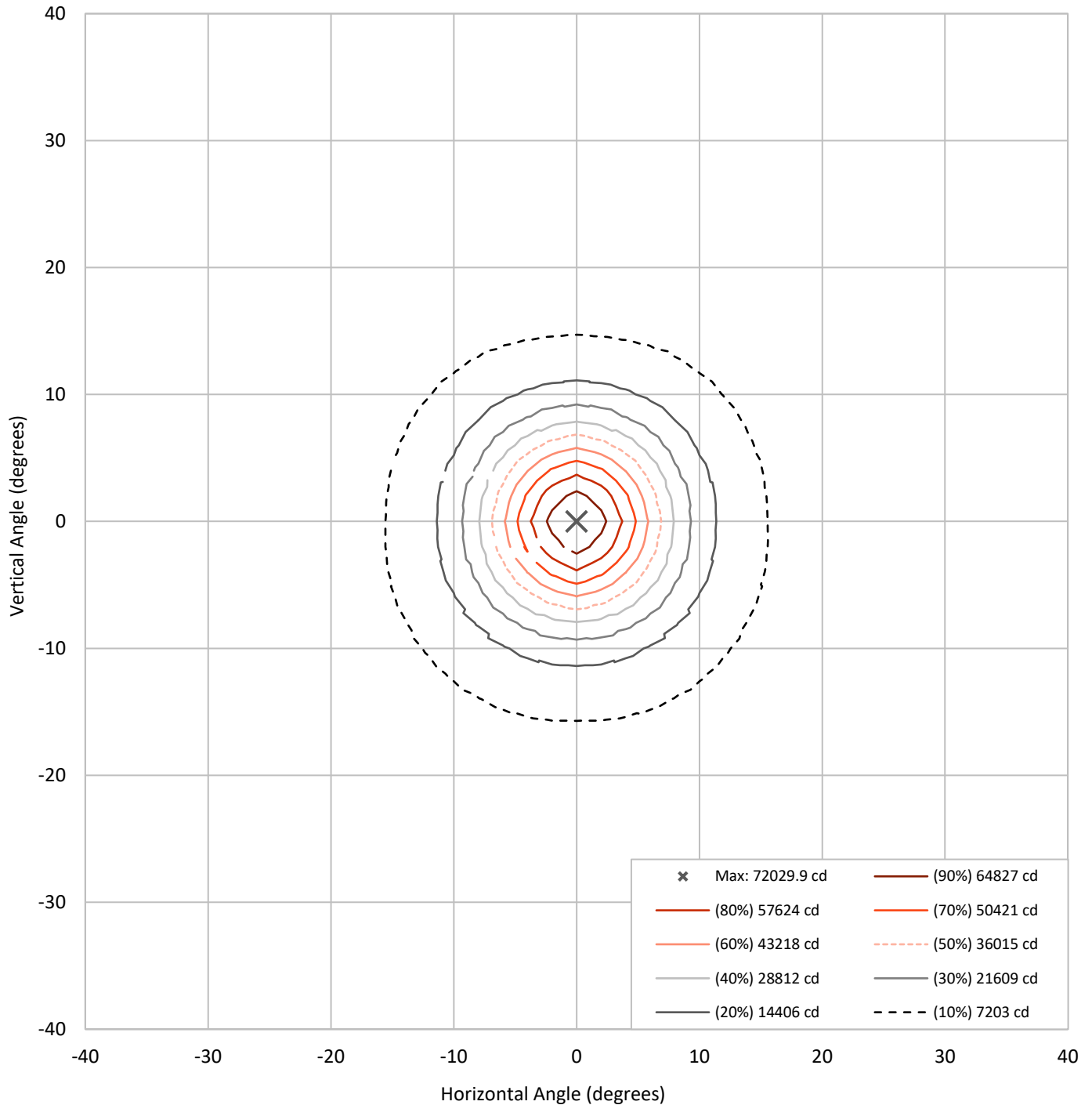
Field Angle (10%): 30.9°H x 30.2°V  
Field Lumens: 5052.7 lumens  
Field Efficiency: 71.1%

Input Watts (W): 57.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

### Iso-Candela Plot





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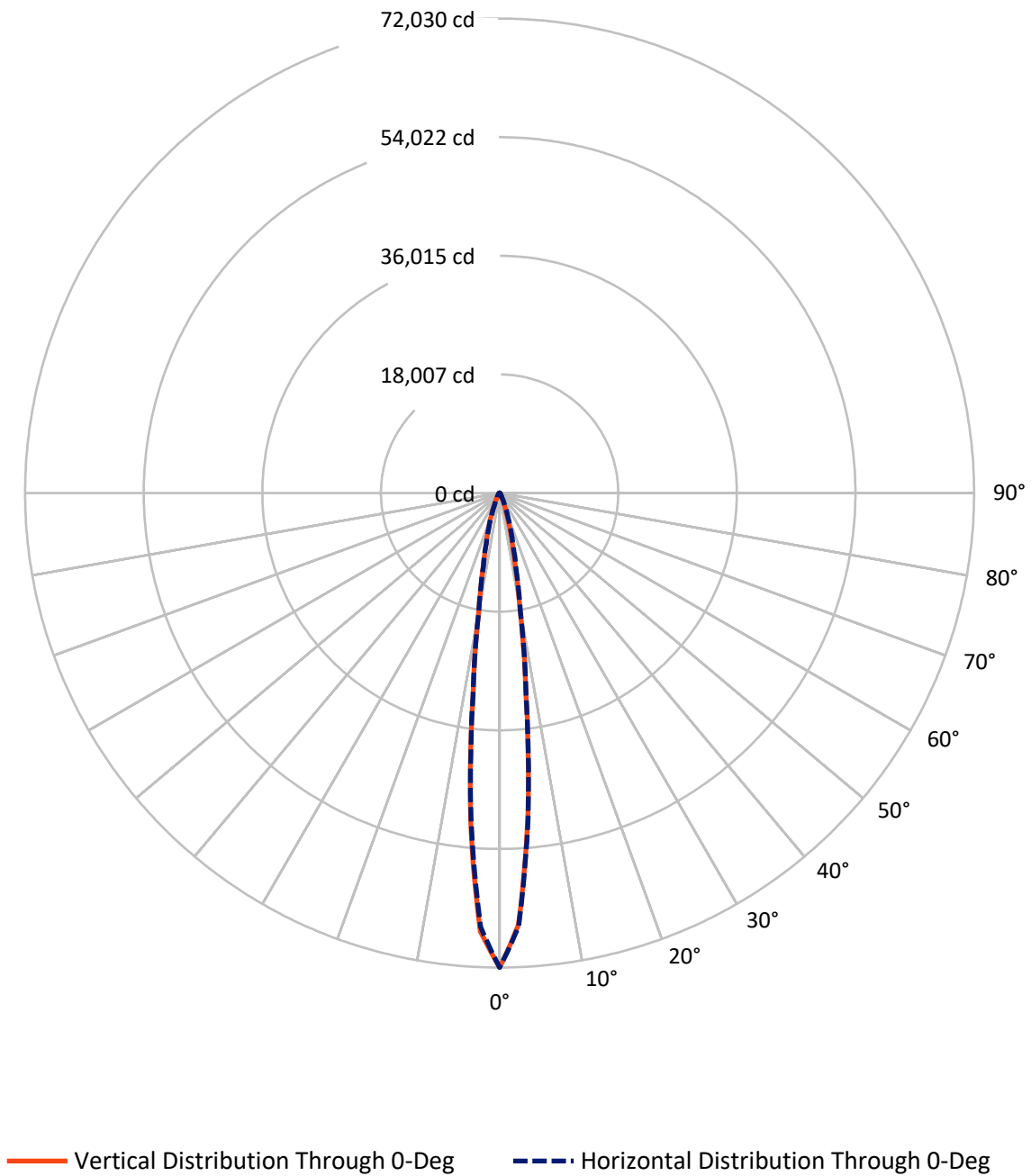
CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

### Lumen Table

|     |     |     |     |     |     |      |       |       |       |       |      |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|
| 90  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60  |     | 0.0 | 0.0 | 0.2 | 0.4 | 0.6  | 0.8   | 1.0   | 1.0   | 0.8   | 0.6  | 0.4 | 0.2 | 0.0 | 0.0 |     |     |
| 50  | 0.0 | 0.0 | 0.2 | 0.6 | 1.2 | 1.7  | 2.4   | 2.8   | 2.8   | 2.4   | 1.7  | 1.2 | 0.6 | 0.2 | 0.0 | 0.0 |     |
| 40  |     | 0.1 | 0.5 | 1.2 | 2.2 | 3.4  | 5.8   | 7.4   | 7.4   | 5.8   | 3.4  | 2.2 | 1.2 | 0.5 | 0.1 |     |     |
| 30  | 0.1 | 0.2 | 0.8 | 1.8 | 3.3 | 7.2  | 19.3  | 32.0  | 32.0  | 19.3  | 7.2  | 3.3 | 1.8 | 0.8 | 0.2 | 0.1 |     |
| 20  |     | 0.3 | 1.1 | 2.5 | 5.5 | 21.6 | 91.1  | 200.2 | 200.2 | 91.1  | 21.6 | 5.5 | 2.5 | 1.1 | 0.3 |     |     |
| 10  | 0.1 | 0.4 | 1.3 | 3.0 | 7.5 | 40.6 | 218.3 | 978.9 | 978.9 | 218.3 | 40.6 | 7.5 | 3.0 | 1.3 | 0.4 | 0.1 |     |
| 0   |     | 0.4 | 1.4 | 3.1 | 8.0 | 43.2 | 225.9 | 995.5 | 995.5 | 225.9 | 43.2 | 8.0 | 3.1 | 1.4 | 0.4 |     |     |
| -10 | 0.1 | 0.5 | 1.5 | 3.1 | 7.0 | 27.5 | 109.7 | 234.6 | 234.6 | 109.7 | 27.5 | 7.0 | 3.1 | 1.5 | 0.5 | 0.1 |     |
| -20 |     | 0.4 | 1.4 | 2.8 | 5.4 | 12.9 | 33.8  | 56.3  | 56.3  | 33.8  | 12.9 | 5.4 | 2.8 | 1.4 | 0.4 |     |     |
| -30 | 0.1 | 0.4 | 1.3 | 2.5 | 4.3 | 7.1  | 11.5  | 14.6  | 14.6  | 11.5  | 7.1  | 4.3 | 2.5 | 1.3 | 0.4 | 0.1 |     |
| -40 |     | 0.3 | 1.0 | 2.1 | 3.4 | 4.9  | 6.6   | 7.4   | 7.4   | 6.6   | 4.9  | 3.4 | 2.1 | 1.0 | 0.3 |     |     |
| -50 | 0.1 | 0.2 | 0.8 | 1.6 | 2.7 | 3.8  | 4.8   | 5.2   | 5.2   | 4.8   | 3.8  | 2.7 | 1.6 | 0.8 | 0.2 | 0.1 |     |
| -60 |     | 0.2 | 0.5 | 1.1 | 1.8 | 2.6  | 3.3   | 3.7   | 3.7   | 3.3   | 2.6  | 1.8 | 1.1 | 0.5 | 0.2 |     |     |
| -70 | 0.0 | 0.4 | 1.8 | 3.9 | 5.0 | 3.9  | 1.8   | 0.4   | 0.0   |       |      |     |     |     |     |     |     |
| -80 |     | 0.4 | 1.8 | 3.9 | 5.0 | 3.9  | 1.8   | 0.4   |       |       |      |     |     |     |     |     |     |
| -90 | 0.0 | 0.4 | 1.8 | 3.9 | 5.0 | 3.9  | 1.8   | 0.4   | 0.0   |       |      |     |     |     |     |     |     |

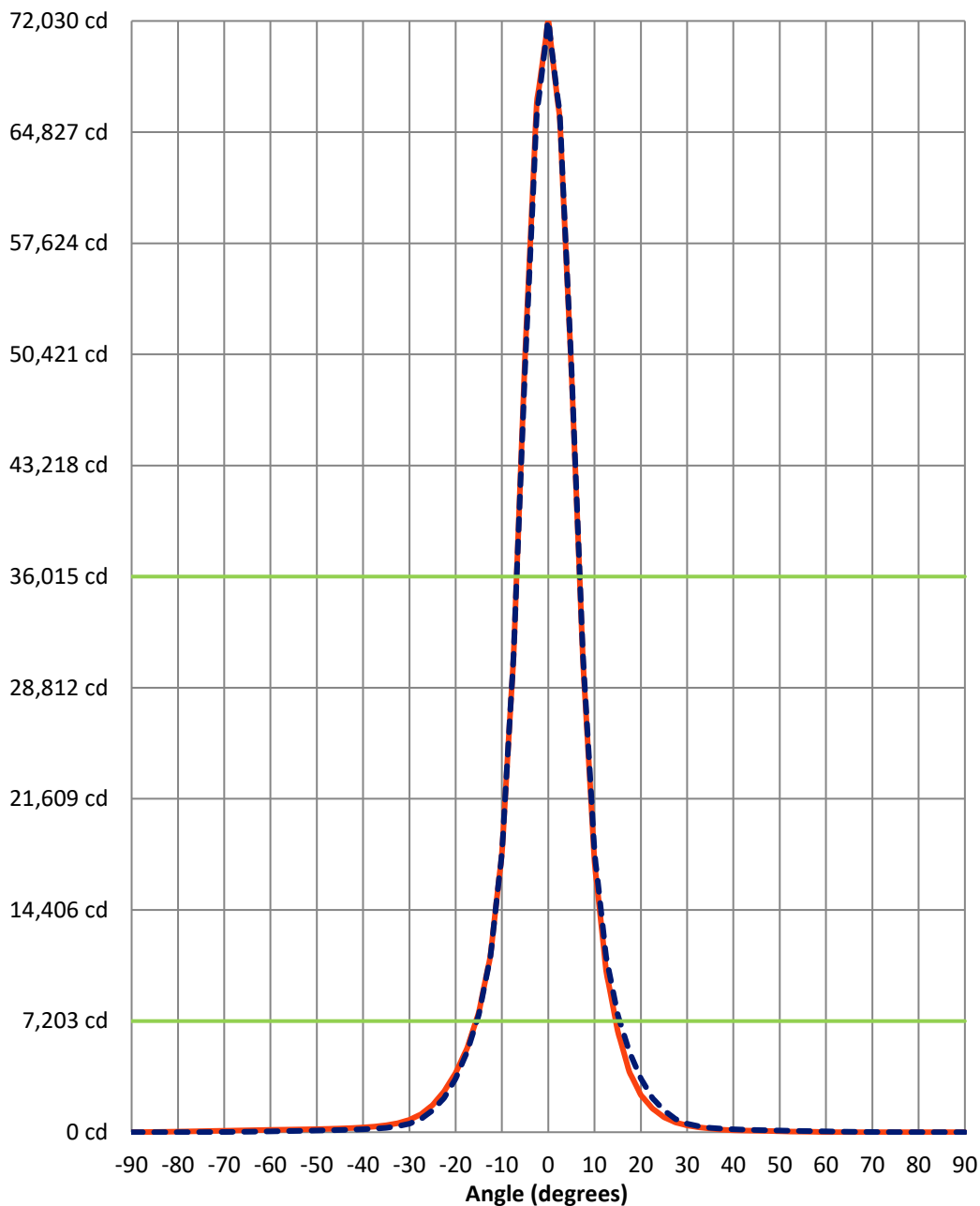
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CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 13.6°  
V Angle: 13.6°  
Lumens: 2268.5  
Efficiency: 31.9%

**Field:**  
H Angle: 30.9°  
V Angle: 30.2°  
Lumens: 5052.7  
Efficiency: 71.1%

**Spill:**  
Lumens: 2053.1  
Efficiency: 28.9%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 90°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 85°    | 0.0  | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 82.5°  | 0.0  | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 80°    | 0.0  | 0.1    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 77.5°  | 0.0  | 0.2    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 75°    | 0.0  | 0.2    | 0.0  | 0.0    | 0.0  | 0.1    | 0.0  | 0.0    | 0.0  | 0.1    | 0.1  |
| 72.5°  | 0.0  | 0.2    | 0.0  | 0.0    | 0.2  | 0.2    | 0.1  | 0.1    | 0.3  | 0.3    | 0.1  |
| 70°    | 0.0  | 0.3    | 0.1  | 0.0    | 0.3  | 0.3    | 0.2  | 0.5    | 0.6  | 0.6    | 0.2  |
| 67.5°  | 0.0  | 0.3    | 0.1  | 0.2    | 0.5  | 0.5    | 0.5  | 0.8    | 1.0  | 0.6    | 0.3  |
| 65°    | 0.0  | 0.3    | 0.1  | 0.3    | 0.6  | 0.6    | 0.9  | 1.2    | 1.0  | 0.7    | 0.5  |
| 62.5°  | 0.0  | 0.4    | 0.2  | 0.5    | 0.8  | 0.9    | 1.2  | 1.4    | 1.1  | 0.8    | 0.9  |
| 60°    | 0.0  | 0.4    | 0.2  | 0.6    | 0.9  | 1.0    | 1.5  | 1.5    | 1.1  | 1.1    | 1.4  |
| 57.5°  | 0.0  | 0.5    | 0.3  | 0.8    | 1.1  | 1.2    | 1.5  | 1.5    | 1.3  | 1.3    | 1.5  |
| 55°    | 0.0  | 0.5    | 0.5  | 1.0    | 1.2  | 1.4    | 1.5  | 1.5    | 1.4  | 1.5    | 1.5  |
| 52.5°  | 0.0  | 0.6    | 0.6  | 1.1    | 1.2  | 1.5    | 1.5  | 1.5    | 1.5  | 1.5    | 1.5  |
| 50°    | 0.0  | 0.6    | 0.7  | 1.3    | 1.3  | 1.5    | 1.5  | 1.5    | 1.5  | 1.5    | 1.7  |
| 47.5°  | 0.0  | 0.6    | 0.8  | 1.4    | 1.4  | 1.5    | 1.5  | 1.5    | 1.5  | 1.5    | 2.1  |
| 45°    | 0.0  | 0.7    | 0.9  | 1.5    | 1.4  | 1.5    | 1.5  | 1.5    | 1.6  | 1.9    | 2.5  |
| 42.5°  | 0.0  | 0.7    | 1.0  | 1.5    | 1.5  | 1.5    | 1.5  | 1.6    | 1.6  | 2.3    | 3.3  |
| 40°    | 0.0  | 0.8    | 1.0  | 1.5    | 1.5  | 1.5    | 1.5  | 1.7    | 1.9  | 2.8    | 4.3  |
| 37.5°  | 0.0  | 0.8    | 1.1  | 1.5    | 1.5  | 1.5    | 1.5  | 1.8    | 2.4  | 3.5    | 5.4  |
| 35°    | 0.0  | 0.9    | 1.2  | 1.5    | 1.5  | 1.5    | 1.5  | 2.0    | 3.0  | 4.5    | 6.6  |
| 32.5°  | 0.0  | 0.9    | 1.2  | 1.5    | 1.5  | 1.5    | 1.5  | 2.2    | 3.6  | 5.4    | 8.2  |
| 30°    | 0.0  | 1.0    | 1.3  | 1.5    | 1.5  | 1.5    | 1.7  | 2.5    | 4.2  | 6.3    | 9.9  |
| 27.5°  | 0.0  | 1.0    | 1.3  | 1.5    | 1.5  | 1.5    | 1.9  | 3.0    | 4.9  | 7.2    | 11.7 |
| 25°    | 0.0  | 1.1    | 1.4  | 1.5    | 1.5  | 1.5    | 2.0  | 3.5    | 5.6  | 8.4    | 13.7 |
| 22.5°  | 0.0  | 1.1    | 1.4  | 1.5    | 1.5  | 1.5    | 2.2  | 4.0    | 6.3  | 10.0   | 16.0 |
| 20°    | 0.0  | 1.2    | 1.4  | 1.5    | 1.5  | 1.6    | 2.4  | 4.5    | 7.0  | 11.5   | 18.2 |
| 17.5°  | 0.0  | 1.2    | 1.5  | 1.5    | 1.5  | 1.8    | 2.7  | 5.0    | 7.6  | 13.1   | 20.1 |
| 15°    | 0.0  | 1.3    | 1.5  | 1.5    | 1.5  | 1.9    | 3.0  | 5.4    | 8.1  | 14.6   | 21.9 |
| 12.5°  | 0.0  | 1.3    | 1.5  | 1.5    | 1.5  | 2.1    | 3.3  | 5.9    | 8.9  | 16.2   | 23.5 |
| 10°    | 0.0  | 1.3    | 1.5  | 1.5    | 1.5  | 2.3    | 3.6  | 6.3    | 9.9  | 17.5   | 24.9 |
| 7.5°   | 0.0  | 1.4    | 1.5  | 1.5    | 1.5  | 2.5    | 3.9  | 6.7    | 10.9 | 18.7   | 26.1 |
| 5°     | 0.0  | 1.4    | 1.5  | 1.5    | 1.5  | 2.6    | 4.1  | 7.0    | 11.9 | 19.8   | 27.2 |
| 2.5°   | 0.0  | 1.5    | 1.5  | 1.5    | 1.5  | 2.8    | 4.4  | 7.3    | 12.8 | 20.6   | 28.2 |
| 0°     | 0.0  | 1.5    | 1.5  | 1.5    | 1.5  | 3.0    | 4.6  | 7.6    | 13.7 | 21.3   | 29.0 |
| -2.5°  | 0.0  | 1.5    | 1.5  | 1.5    | 1.6  | 3.2    | 5.0  | 8.1    | 14.5 | 21.9   | 30.0 |
| -5°    | 0.0  | 1.5    | 1.5  | 1.5    | 1.8  | 3.3    | 5.4  | 8.5    | 15.2 | 22.3   | 30.8 |
| -7.5°  | 0.0  | 1.5    | 1.5  | 1.5    | 1.9  | 3.5    | 5.7  | 8.9    | 15.7 | 22.7   | 31.3 |
| -10°   | 0.0  | 1.5    | 1.5  | 1.5    | 2.0  | 3.6    | 6.0  | 9.2    | 16.1 | 22.9   | 31.7 |
| -12.5° | 0.0  | 1.5    | 1.5  | 1.5    | 2.1  | 3.7    | 6.2  | 9.5    | 16.4 | 23.2   | 32.3 |
| -15°   | 0.0  | 1.4    | 1.5  | 1.5    | 2.2  | 3.8    | 6.4  | 9.7    | 16.4 | 23.6   | 32.9 |
| -17.5° | 0.0  | 1.4    | 1.5  | 1.5    | 2.2  | 3.9    | 6.5  | 10.0   | 16.3 | 23.9   | 33.1 |
| -20°   | 0.0  | 1.4    | 1.5  | 1.5    | 2.3  | 3.9    | 6.6  | 10.2   | 16.1 | 23.9   | 33.1 |

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CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0.0  | 1.4    | 1.5  | 1.5    | 2.3  | 3.9    | 6.7  | 10.3   | 15.7 | 23.6   | 32.7 |
| -25°   | 0.0  | 1.4    | 1.5  | 1.5    | 2.3  | 4.0    | 6.8  | 10.3   | 15.2 | 23.0   | 32.0 |
| -27.5° | 0.0  | 1.3    | 1.5  | 1.5    | 2.3  | 4.1    | 6.8  | 10.3   | 14.6 | 22.3   | 31.3 |
| -30°   | 0.0  | 1.3    | 1.5  | 1.5    | 2.2  | 4.2    | 6.7  | 10.2   | 14.3 | 21.4   | 30.3 |
| -32.5° | 0.0  | 1.3    | 1.5  | 1.5    | 2.2  | 4.2    | 6.7  | 10.0   | 14.1 | 20.5   | 28.8 |
| -35°   | 0.0  | 1.2    | 1.5  | 1.5    | 2.2  | 4.2    | 6.7  | 9.9    | 13.8 | 19.4   | 27.0 |
| -37.5° | 0.0  | 1.2    | 1.5  | 1.5    | 2.1  | 4.1    | 6.6  | 9.7    | 13.4 | 18.2   | 25.9 |
| -40°   | 0.0  | 1.1    | 1.5  | 1.5    | 2.1  | 4.1    | 6.5  | 9.5    | 12.9 | 17.4   | 25.0 |
| -42.5° | 0.0  | 1.1    | 1.5  | 1.5    | 2.0  | 4.0    | 6.4  | 9.3    | 12.5 | 17.0   | 23.8 |
| -45°   | 0.0  | 1.1    | 1.5  | 1.6    | 2.1  | 3.8    | 6.2  | 9.0    | 12.1 | 16.5   | 22.5 |
| -47.5° | 0.0  | 1.0    | 1.5  | 1.6    | 2.1  | 3.6    | 5.9  | 8.7    | 11.7 | 15.8   | 21.6 |
| -50°   | 0.0  | 1.0    | 1.5  | 1.6    | 2.1  | 3.4    | 5.6  | 8.3    | 11.3 | 15.2   | 20.5 |
| -52.5° | 0.0  | 0.9    | 1.5  | 1.6    | 2.1  | 3.1    | 5.3  | 7.8    | 10.7 | 14.4   | 19.2 |
| -55°   | 0.0  | 0.9    | 1.5  | 1.6    | 2.1  | 3.0    | 4.9  | 7.3    | 10.1 | 13.3   | 17.8 |
| -57.5° | 0.0  | 0.8    | 1.5  | 1.6    | 2.1  | 2.9    | 4.4  | 6.7    | 9.4  | 12.3   | 16.1 |
| -60°   | 0.0  | 0.7    | 1.5  | 1.6    | 2.0  | 2.8    | 4.0  | 6.1    | 8.5  | 11.3   | 14.5 |
| -62.5° | 0.0  | 0.7    | 1.4  | 1.6    | 2.0  | 2.7    | 3.8  | 5.4    | 7.7  | 10.3   | 13.2 |
| -65°   | 0.0  | 0.6    | 1.3  | 1.6    | 1.9  | 2.6    | 3.5  | 4.7    | 6.7  | 9.1    | 11.7 |
| -67.5° | 0.0  | 0.6    | 1.1  | 1.5    | 1.8  | 2.4    | 3.2  | 4.3    | 5.7  | 7.8    | 10.2 |
| -70°   | 0.0  | 0.5    | 1.0  | 1.5    | 1.7  | 2.2    | 2.9  | 3.9    | 5.1  | 6.5    | 8.6  |
| -72.5° | 0.0  | 0.5    | 0.9  | 1.3    | 1.6  | 2.0    | 2.6  | 3.4    | 4.5  | 5.7    | 7.1  |
| -75°   | 0.0  | 0.4    | 0.8  | 1.2    | 1.5  | 1.8    | 2.3  | 3.0    | 3.8  | 4.8    | 6.0  |
| -77.5° | 0.0  | 0.3    | 0.6  | 1.0    | 1.3  | 1.6    | 1.9  | 2.6    | 3.3  | 4.0    | 4.8  |
| -80°   | 0.0  | 0.3    | 0.5  | 0.8    | 1.0  | 1.3    | 1.5  | 2.1    | 2.8  | 3.4    | 4.0  |
| -82.5° | 0.0  | 0.2    | 0.4  | 0.6    | 0.8  | 1.0    | 1.2  | 1.7    | 2.3  | 2.8    | 3.4  |
| -85°   | 0.0  | 0.1    | 0.3  | 0.4    | 0.5  | 0.6    | 0.8  | 1.1    | 1.5  | 2.0    | 2.5  |
| -87.5° | 0.0  | 0.1    | 0.1  | 0.2    | 0.3  | 0.3    | 0.4  | 0.6    | 0.8  | 1.0    | 1.3  |
| -90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |





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 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50°  | -47.5° | -45°  | -42.5° | -40°  | -37.5° |
|--------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|--------|
| 90°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 87.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 85°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 82.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 80°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 77.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 75°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 72.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 70°    | 0.0    | 0.0  | 0.1    | 0.1  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 67.5°  | 0.1    | 0.4  | 0.5    | 0.3  | 0.0    | 0.0   | 0.0    | 0.1   | 0.0    | 0.0   | 0.0    |
| 65°    | 0.7    | 1.0  | 0.7    | 0.4  | 0.0    | 0.4   | 0.5    | 0.4   | 0.0    | 0.0   | 0.0    |
| 62.5°  | 1.4    | 1.2  | 0.8    | 0.6  | 0.8    | 1.1   | 0.9    | 0.5   | 0.1    | 0.7   | 1.0    |
| 60°    | 1.5    | 1.3  | 1.1    | 1.2  | 1.5    | 1.3   | 1.0    | 1.5   | 2.2    | 2.8   | 3.4    |
| 57.5°  | 1.5    | 1.4  | 1.4    | 1.6  | 1.7    | 1.7   | 2.7    | 3.6   | 5.0    | 6.3   | 7.1    |
| 55°    | 1.5    | 1.5  | 1.7    | 2.0  | 2.5    | 3.7   | 5.0    | 7.0   | 8.7    | 11.1  | 13.3   |
| 52.5°  | 1.7    | 1.7  | 2.3    | 3.1  | 4.6    | 6.3   | 8.7    | 11.5  | 14.8   | 17.2  | 19.8   |
| 50°    | 1.9    | 2.5  | 3.2    | 5.2  | 7.3    | 9.9   | 13.8   | 18.0  | 20.7   | 23.5  | 27.2   |
| 47.5°  | 2.7    | 3.4  | 5.3    | 7.6  | 10.6   | 14.8  | 20.1   | 23.2  | 25.9   | 30.2  | 34.9   |
| 45°    | 3.6    | 5.2  | 7.5    | 10.7 | 14.8   | 20.7  | 24.9   | 27.3  | 32.1   | 37.1  | 42.4   |
| 42.5°  | 4.7    | 7.1  | 10.3   | 13.7 | 20.1   | 25.7  | 29.5   | 33.4  | 38.2   | 44.1  | 49.8   |
| 40°    | 6.3    | 9.1  | 13.4   | 18.7 | 25.2   | 30.7  | 35.5   | 40.0  | 44.7   | 52.3  | 58.4   |
| 37.5°  | 8.0    | 12.1 | 17.0   | 23.5 | 30.3   | 36.2  | 41.6   | 47.2  | 53.9   | 62.5  | 68.0   |
| 35°    | 9.7    | 15.1 | 21.1   | 28.1 | 35.3   | 42.0  | 48.4   | 55.1  | 63.7   | 71.9  | 78.4   |
| 32.5°  | 12.0   | 18.2 | 25.0   | 32.5 | 39.9   | 47.5  | 55.3   | 63.3  | 71.8   | 80.2  | 88.7   |
| 30°    | 14.9   | 21.6 | 28.8   | 36.7 | 44.2   | 53.0  | 62.1   | 70.4  | 79.0   | 87.9  | 97.5   |
| 27.5°  | 17.8   | 24.7 | 32.4   | 40.5 | 48.4   | 58.4  | 68.2   | 76.9  | 85.7   | 95.2  | 106.3  |
| 25°    | 20.5   | 27.9 | 35.9   | 43.9 | 53.1   | 63.9  | 74.6   | 84.7  | 92.1   | 103.0 | 115.9  |
| 22.5°  | 23.1   | 31.0 | 39.6   | 47.0 | 57.7   | 69.5  | 81.9   | 92.7  | 101.5  | 111.2 | 125.9  |
| 20°    | 25.6   | 34.1 | 43.0   | 51.3 | 62.3   | 75.0  | 89.7   | 100.9 | 111.8  | 124.3 | 139.2  |
| 17.5°  | 28.1   | 37.1 | 46.5   | 56.2 | 67.8   | 81.0  | 97.7   | 109.1 | 122.1  | 137.0 | 155.9  |
| 15°    | 30.4   | 39.8 | 49.9   | 60.8 | 72.8   | 87.0  | 103.1  | 117.3 | 132.9  | 150.2 | 172.4  |
| 12.5°  | 32.6   | 42.3 | 53.2   | 65.1 | 77.2   | 92.2  | 107.6  | 122.8 | 140.8  | 163.2 | 191.2  |
| 10°    | 34.5   | 44.6 | 56.5   | 69.0 | 81.1   | 96.5  | 111.6  | 127.4 | 146.4  | 171.0 | 203.1  |
| 7.5°   | 36.2   | 46.9 | 59.6   | 72.6 | 84.4   | 100.1 | 115.1  | 131.2 | 151.1  | 177.5 | 211.1  |
| 5°     | 37.6   | 49.3 | 62.5   | 74.9 | 87.1   | 103.2 | 118.0  | 134.3 | 154.8  | 182.6 | 216.8  |
| 2.5°   | 38.7   | 51.5 | 65.0   | 76.5 | 89.5   | 106.0 | 120.3  | 137.6 | 158.6  | 186.5 | 222.2  |
| 0°     | 39.6   | 53.4 | 67.1   | 77.8 | 91.5   | 108.2 | 122.0  | 140.3 | 161.6  | 189.1 | 227.2  |
| -2.5°  | 41.5   | 55.0 | 68.4   | 79.2 | 93.6   | 108.6 | 123.1  | 140.7 | 162.8  | 191.0 | 228.1  |
| -5°    | 43.0   | 56.3 | 69.3   | 80.3 | 95.2   | 108.6 | 123.5  | 140.3 | 163.2  | 192.2 | 229.7  |
| -7.5°  | 44.3   | 57.3 | 69.9   | 81.1 | 96.0   | 109.1 | 124.2  | 141.4 | 164.3  | 193.2 | 231.9  |
| -10°   | 45.0   | 58.0 | 70.4   | 82.2 | 96.2   | 109.6 | 124.5  | 141.7 | 164.1  | 192.5 | 230.7  |
| -12.5° | 45.4   | 58.4 | 70.7   | 82.8 | 96.2   | 109.5 | 124.1  | 141.0 | 162.5  | 190.1 | 226.0  |
| -15°   | 45.6   | 58.5 | 70.6   | 82.9 | 95.9   | 108.9 | 123.1  | 139.4 | 159.4  | 186.1 | 218.6  |
| -17.5° | 45.4   | 58.4 | 70.4   | 82.4 | 95.6   | 107.6 | 121.6  | 137.2 | 156.4  | 181.3 | 212.6  |
| -20°   | 45.0   | 58.1 | 69.8   | 81.3 | 95.1   | 106.5 | 120.1  | 135.2 | 153.2  | 175.7 | 203.8  |

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

Scaled Data Report



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60° | -57.5° | -55° | -52.5° | -50°  | -47.5° | -45°  | -42.5° | -40°  | -37.5° |
|--------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|--------|
| -22.5° | 44.4   | 57.6 | 69.1   | 80.2 | 93.4   | 105.4 | 118.1  | 132.5 | 148.6  | 169.0 | 194.0  |
| -25°   | 43.6   | 56.5 | 68.1   | 79.3 | 91.5   | 103.8 | 115.6  | 129.3 | 144.1  | 163.7 | 186.1  |
| -27.5° | 42.7   | 55.2 | 66.8   | 78.2 | 89.4   | 101.5 | 113.1  | 126.0 | 140.7  | 158.0 | 178.0  |
| -30°   | 41.3   | 53.3 | 64.9   | 76.5 | 87.7   | 99.0  | 110.2  | 122.5 | 136.3  | 152.6 | 171.1  |
| -32.5° | 39.5   | 51.2 | 62.6   | 74.1 | 85.7   | 96.5  | 107.0  | 118.8 | 131.8  | 146.1 | 163.7  |
| -35°   | 37.7   | 49.0 | 60.1   | 71.0 | 83.2   | 93.7  | 103.9  | 114.7 | 126.7  | 140.0 | 154.4  |
| -37.5° | 36.0   | 46.6 | 57.4   | 67.8 | 79.3   | 90.2  | 100.1  | 110.4 | 121.5  | 133.7 | 146.7  |
| -40°   | 34.2   | 44.0 | 54.6   | 64.7 | 74.8   | 85.9  | 95.8   | 105.7 | 116.0  | 128.2 | 139.8  |
| -42.5° | 32.3   | 41.9 | 51.6   | 61.5 | 71.2   | 81.1  | 91.0   | 100.5 | 111.3  | 122.9 | 134.3  |
| -45°   | 30.7   | 39.6 | 48.6   | 58.2 | 67.8   | 76.8  | 86.0   | 94.9  | 106.0  | 117.5 | 128.6  |
| -47.5° | 28.8   | 37.3 | 46.1   | 54.7 | 64.1   | 73.1  | 81.4   | 90.4  | 99.8   | 110.7 | 122.4  |
| -50°   | 26.9   | 34.9 | 43.0   | 51.2 | 60.1   | 69.0  | 77.5   | 85.8  | 94.7   | 103.7 | 113.7  |
| -52.5° | 25.3   | 32.3 | 39.8   | 47.3 | 55.7   | 64.4  | 73.0   | 81.3  | 89.5   | 97.9  | 106.5  |
| -55°   | 23.4   | 29.8 | 36.4   | 43.4 | 50.8   | 59.1  | 67.6   | 75.8  | 84.1   | 92.0  | 100.4  |
| -57.5° | 21.2   | 27.0 | 33.0   | 39.6 | 46.3   | 53.1  | 61.4   | 69.4  | 77.3   | 85.2  | 93.9   |
| -60°   | 18.8   | 24.0 | 29.4   | 35.5 | 42.0   | 48.3  | 54.9   | 62.4  | 70.0   | 77.6  | 85.6   |
| -62.5° | 16.3   | 20.8 | 25.7   | 31.0 | 37.0   | 43.2  | 49.2   | 55.6  | 62.4   | 69.0  | 76.0   |
| -65°   | 14.6   | 17.8 | 21.9   | 26.6 | 31.5   | 37.1  | 42.8   | 48.7  | 54.7   | 60.3  | 65.7   |
| -67.5° | 12.8   | 15.7 | 18.8   | 22.2 | 26.7   | 31.3  | 35.9   | 41.2  | 46.6   | 51.7  | 56.7   |
| -70°   | 11.0   | 13.5 | 16.2   | 19.1 | 22.3   | 26.1  | 30.4   | 34.6  | 38.7   | 43.0  | 47.7   |
| -72.5° | 9.0    | 11.2 | 13.5   | 16.1 | 18.8   | 21.8  | 25.1   | 28.7  | 32.3   | 35.9  | 39.5   |
| -75°   | 7.4    | 8.8  | 10.8   | 12.9 | 15.2   | 17.6  | 20.0   | 22.8  | 25.9   | 29.0  | 32.1   |
| -77.5° | 6.1    | 7.4  | 8.7    | 10.0 | 11.7   | 13.9  | 16.0   | 18.1  | 20.2   | 22.6  | 25.1   |
| -80°   | 4.9    | 6.0  | 7.2    | 8.4  | 9.5    | 10.8  | 12.3   | 13.9  | 15.5   | 17.0  | 18.8   |
| -82.5° | 4.1    | 4.9  | 5.8    | 6.7  | 7.3    | 8.0   | 8.8    | 9.8   | 10.8   | 11.9  | 13.0   |
| -85°   | 3.1    | 3.8  | 4.4    | 5.0  | 5.3    | 5.7   | 6.0    | 6.5   | 7.1    | 7.8   | 8.4    |
| -87.5° | 1.6    | 1.9  | 2.3    | 2.6  | 2.8    | 3.0   | 3.1    | 3.3   | 3.7    | 4.1   | 4.5    |
| -90°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -35°  | -32.5° | -30°  | -27.5° | -25°   | -22.5° | -20°   | -17.5° | -15°   | -12.5°  | -10°    |
|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 90°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 87.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 85°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 82.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 80°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 77.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 75°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 72.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 70°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 67.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 65°    | 0.1   | 0.0    | 0.0   | 0.0    | 0.0    | 0.3    | 0.4    | 0.3    | 0.1    | 0.0     | 0.0     |
| 62.5°  | 0.9   | 0.7    | 1.2   | 1.6    | 1.7    | 1.7    | 1.5    | 1.4    | 1.2    | 1.1     | 1.2     |
| 60°    | 3.6   | 3.5    | 5.0   | 5.7    | 5.1    | 3.6    | 5.7    | 6.7    | 6.5    | 5.6     | 5.5     |
| 57.5°  | 8.9   | 10.9   | 12.3  | 12.9   | 14.9   | 18.1   | 18.8   | 17.7   | 17.3   | 17.7    | 20.4    |
| 55°    | 15.5  | 17.1   | 17.9  | 20.6   | 23.1   | 24.8   | 25.9   | 27.0   | 28.5   | 30.5    | 32.4    |
| 52.5°  | 21.9  | 24.1   | 25.7  | 28.1   | 31.1   | 32.1   | 31.8   | 35.6   | 38.6   | 40.5    | 41.2    |
| 50°    | 30.1  | 32.8   | 36.6  | 40.5   | 42.1   | 43.8   | 45.5   | 48.6   | 53.1   | 58.8    | 62.0    |
| 47.5°  | 38.9  | 43.1   | 47.1  | 51.6   | 53.8   | 55.5   | 58.1   | 63.5   | 70.0   | 76.0    | 79.2    |
| 45°    | 46.9  | 50.6   | 55.2  | 59.0   | 61.8   | 65.1   | 68.9   | 73.8   | 81.0   | 87.3    | 91.7    |
| 42.5°  | 53.3  | 57.5   | 62.1  | 66.8   | 69.6   | 74.2   | 79.8   | 86.4   | 94.0   | 100.6   | 105.4   |
| 40°    | 62.2  | 65.7   | 73.2  | 77.6   | 78.8   | 83.0   | 94.4   | 103.4  | 111.9  | 120.0   | 124.1   |
| 37.5°  | 73.0  | 79.9   | 87.7  | 91.7   | 95.6   | 103.1  | 118.4  | 133.0  | 143.8  | 154.8   | 160.8   |
| 35°    | 85.3  | 94.4   | 105.0 | 109.7  | 118.1  | 134.5  | 152.4  | 172.7  | 198.1  | 208.7   | 218.4   |
| 32.5°  | 97.2  | 107.4  | 117.2 | 127.7  | 142.5  | 162.0  | 182.2  | 215.2  | 246.1  | 270.0   | 287.4   |
| 30°    | 107.8 | 118.6  | 130.7 | 144.4  | 165.1  | 192.0  | 225.8  | 268.5  | 311.9  | 349.9   | 382.0   |
| 27.5°  | 118.3 | 130.6  | 145.0 | 165.3  | 194.5  | 231.0  | 284.9  | 345.8  | 418.4  | 471.8   | 535.7   |
| 25°    | 129.7 | 143.8  | 162.3 | 191.7  | 231.1  | 285.7  | 371.8  | 470.9  | 589.8  | 686.3   | 787.3   |
| 22.5°  | 143.3 | 164.1  | 187.5 | 220.3  | 289.2  | 379.1  | 496.8  | 666.0  | 849.0  | 1018.2  | 1181.2  |
| 20°    | 159.7 | 188.2  | 225.7 | 286.1  | 374.5  | 507.5  | 711.9  | 981.9  | 1251.1 | 1537.7  | 1813.6  |
| 17.5°  | 183.1 | 224.1  | 282.4 | 368.5  | 485.0  | 748.0  | 1079.7 | 1497.2 | 2033.7 | 2519.9  | 2944.4  |
| 15°    | 205.0 | 254.0  | 346.1 | 474.8  | 678.0  | 1026.6 | 1530.3 | 2219.5 | 3055.6 | 3817.6  | 4622.5  |
| 12.5°  | 228.1 | 286.0  | 391.7 | 555.5  | 837.9  | 1291.7 | 1999.6 | 2944.0 | 3991.0 | 5139.3  | 6447.5  |
| 10°    | 246.3 | 316.6  | 443.2 | 650.9  | 999.0  | 1564.1 | 2407.3 | 3552.7 | 4944.0 | 6643.5  | 8734.6  |
| 7.5°   | 258.7 | 341.2  | 485.7 | 720.7  | 1147.2 | 1842.8 | 2857.8 | 4234.5 | 5973.7 | 8225.3  | 11151.3 |
| 5°     | 268.3 | 360.0  | 517.7 | 784.4  | 1272.7 | 2055.5 | 3191.5 | 4831.5 | 6889.0 | 9905.7  | 14864.5 |
| 2.5°   | 276.0 | 374.3  | 537.5 | 828.3  | 1351.4 | 2203.6 | 3415.4 | 5169.2 | 7433.8 | 11148.1 | 17581.4 |
| 0°     | 282.1 | 387.3  | 550.4 | 855.3  | 1411.8 | 2218.3 | 3485.3 | 5231.0 | 7629.3 | 11372.3 | 18166.0 |
| -2.5°  | 284.7 | 394.2  | 554.8 | 861.2  | 1405.8 | 2243.8 | 3506.6 | 5280.4 | 7621.9 | 11249.4 | 17513.0 |
| -5°    | 288.9 | 394.1  | 551.5 | 855.2  | 1374.3 | 2178.0 | 3367.4 | 5004.1 | 7162.1 | 10281.9 | 15413.5 |
| -7.5°  | 292.0 | 387.8  | 535.5 | 816.4  | 1291.8 | 2035.9 | 3122.7 | 4546.4 | 6325.2 | 8694.0  | 11872.2 |
| -10°   | 289.2 | 375.7  | 508.9 | 751.5  | 1163.5 | 1808.0 | 2750.6 | 3942.1 | 5420.5 | 7175.9  | 9335.3  |
| -12.5° | 278.3 | 353.5  | 465.5 | 660.4  | 997.4  | 1552.7 | 2376.2 | 3390.7 | 4484.9 | 5717.7  | 7209.9  |
| -15°   | 264.5 | 329.5  | 426.3 | 598.0  | 874.2  | 1299.6 | 1900.8 | 2723.8 | 3601.5 | 4537.6  | 5535.8  |
| -17.5° | 253.8 | 308.4  | 388.6 | 512.8  | 716.0  | 1054.2 | 1526.7 | 2111.4 | 2756.4 | 3469.1  | 4060.6  |
| -20°   | 239.3 | 282.4  | 349.8 | 451.2  | 606.3  | 830.3  | 1174.4 | 1599.2 | 2024.8 | 2525.9  | 2934.6  |

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Scaled Data Report



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -35°  | -32.5° | -30°  | -27.5° | -25°  | -22.5° | -20°  | -17.5° | -15°   | -12.5° | -10°   |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|
| -22.5° | 224.8 | 262.3  | 313.6 | 387.9  | 503.2 | 672.5  | 885.1 | 1168.7 | 1480.0 | 1767.6 | 2050.7 |
| -25°   | 211.3 | 240.2  | 281.7 | 342.6  | 420.9 | 536.4  | 687.7 | 850.4  | 1055.6 | 1230.6 | 1424.9 |
| -27.5° | 200.4 | 225.2  | 255.8 | 300.5  | 361.2 | 435.5  | 543.9 | 652.9  | 760.8  | 849.1  | 982.9  |
| -30°   | 189.8 | 209.8  | 235.4 | 267.3  | 312.8 | 370.0  | 440.4 | 511.1  | 573.4  | 630.2  | 699.9  |
| -32.5° | 179.5 | 195.8  | 215.4 | 241.8  | 274.5 | 317.5  | 360.7 | 411.4  | 454.7  | 494.7  | 531.6  |
| -35°   | 169.1 | 183.6  | 198.6 | 220.8  | 246.9 | 277.5  | 308.9 | 343.2  | 373.2  | 400.1  | 423.9  |
| -37.5° | 159.8 | 172.5  | 186.6 | 203.1  | 224.1 | 247.1  | 272.8 | 297.7  | 317.5  | 335.0  | 349.4  |
| -40°   | 151.9 | 163.4  | 175.5 | 188.8  | 204.7 | 222.9  | 244.7 | 265.5  | 279.3  | 290.0  | 298.7  |
| -42.5° | 144.8 | 155.0  | 165.2 | 176.5  | 188.8 | 204.5  | 221.7 | 238.9  | 248.3  | 256.5  | 262.8  |
| -45°   | 139.1 | 147.0  | 155.6 | 165.2  | 176.1 | 189.2  | 202.8 | 214.6  | 223.0  | 230.0  | 235.3  |
| -47.5° | 131.6 | 139.1  | 146.6 | 154.6  | 164.7 | 175.7  | 186.8 | 196.0  | 203.3  | 209.5  | 213.5  |
| -50°   | 123.4 | 131.3  | 138.1 | 145.1  | 154.4 | 163.7  | 172.7 | 180.3  | 187.3  | 193.3  | 196.5  |
| -52.5° | 114.9 | 123.4  | 130.6 | 137.4  | 145.2 | 153.3  | 161.4 | 167.9  | 174.0  | 179.7  | 182.1  |
| -55°   | 108.7 | 116.5  | 123.9 | 130.4  | 136.8 | 143.3  | 149.9 | 156.6  | 162.7  | 168.1  | 169.7  |
| -57.5° | 102.1 | 110.1  | 117.4 | 123.1  | 128.9 | 134.8  | 140.9 | 146.9  | 152.7  | 157.9  | 159.2  |
| -60°   | 93.9  | 102.6  | 109.1 | 114.6  | 120.2 | 126.0  | 131.2 | 136.6  | 142.0  | 146.6  | 148.0  |
| -62.5° | 83.7  | 91.6   | 98.0  | 103.7  | 109.1 | 114.2  | 119.3 | 124.3  | 129.2  | 132.8  | 134.0  |
| -65°   | 71.3  | 78.0   | 84.7  | 90.7   | 96.0  | 100.9  | 105.6 | 110.2  | 114.6  | 117.8  | 119.4  |
| -67.5° | 61.6  | 66.4   | 71.7  | 76.9   | 82.3  | 87.3   | 91.6  | 95.6   | 99.4   | 102.1  | 103.7  |
| -70°   | 52.2  | 56.8   | 61.8  | 66.7   | 71.3  | 75.4   | 78.8  | 82.2   | 85.4   | 87.8   | 89.6   |
| -72.5° | 43.2  | 47.1   | 51.3  | 55.6   | 59.9  | 63.5   | 66.7  | 69.6   | 72.4   | 74.4   | 76.1   |
| -75°   | 35.1  | 38.3   | 41.8  | 45.3   | 48.8  | 51.7   | 54.3  | 56.9   | 59.3   | 61.1   | 62.7   |
| -77.5° | 27.8  | 30.5   | 33.3  | 36.0   | 38.8  | 40.9   | 42.8  | 44.7   | 46.5   | 48.0   | 49.2   |
| -80°   | 20.6  | 22.7   | 24.9  | 27.1   | 29.3  | 30.9   | 32.4  | 33.8   | 35.1   | 35.9   | 36.6   |
| -82.5° | 14.1  | 15.6   | 17.1  | 18.7   | 20.2  | 21.4   | 22.5  | 23.7   | 24.8   | 25.2   | 25.4   |
| -85°   | 9.0   | 9.8    | 10.5  | 11.4   | 12.3  | 12.9   | 13.5  | 14.1   | 14.7   | 15.2   | 15.7   |
| -87.5° | 5.0   | 5.1    | 5.3   | 5.4    | 5.5   | 6.0    | 6.4   | 6.9    | 7.3    | 7.4    | 7.5    |
| -90°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°   | -5°     | -2.5°   | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°    | 17.5°  |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 87.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 85°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 82.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 80°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 77.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 75°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 72.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 70°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 67.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 65°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.1    | 0.3    |
| 62.5°  | 1.3     | 1.4     | 1.5     | 1.5     | 1.5     | 1.4     | 1.3     | 1.2     | 1.1     | 1.2    | 1.4    |
| 60°    | 5.2     | 4.7     | 4.6     | 4.6     | 4.6     | 4.7     | 5.2     | 5.5     | 5.6     | 6.5    | 6.7    |
| 57.5°  | 23.2    | 25.8    | 26.5    | 25.9    | 26.5    | 25.8    | 23.2    | 20.4    | 17.7    | 17.3   | 17.7   |
| 55°    | 33.8    | 34.6    | 35.0    | 35.1    | 35.0    | 34.6    | 33.8    | 32.4    | 30.5    | 28.5   | 27.0   |
| 52.5°  | 41.4    | 41.2    | 41.1    | 41.2    | 41.1    | 41.2    | 41.4    | 41.2    | 40.5    | 38.6   | 35.6   |
| 50°    | 62.2    | 61.1    | 60.6    | 61.0    | 60.6    | 61.1    | 62.2    | 62.0    | 58.8    | 53.1   | 48.6   |
| 47.5°  | 79.5    | 79.9    | 80.4    | 80.8    | 80.4    | 79.9    | 79.5    | 79.2    | 76.0    | 70.0   | 63.5   |
| 45°    | 92.9    | 93.7    | 94.2    | 94.5    | 94.2    | 93.7    | 92.9    | 91.7    | 87.3    | 81.0   | 73.8   |
| 42.5°  | 106.5   | 106.6   | 106.4   | 106.7   | 106.4   | 106.6   | 106.5   | 105.4   | 100.6   | 94.0   | 86.4   |
| 40°    | 125.7   | 126.1   | 125.7   | 125.0   | 125.7   | 126.1   | 125.7   | 124.1   | 120.0   | 111.9  | 103.4  |
| 37.5°  | 164.3   | 164.9   | 163.1   | 161.6   | 163.1   | 164.9   | 164.3   | 160.8   | 154.8   | 143.8  | 133.0  |
| 35°    | 227.2   | 233.8   | 236.9   | 237.8   | 236.9   | 233.8   | 227.2   | 218.4   | 208.7   | 198.1  | 172.7  |
| 32.5°  | 299.5   | 308.5   | 313.1   | 317.1   | 313.1   | 308.5   | 299.5   | 287.4   | 270.0   | 246.1  | 215.2  |
| 30°    | 403.0   | 419.8   | 427.1   | 437.6   | 427.1   | 419.8   | 403.0   | 382.0   | 349.9   | 311.9  | 268.5  |
| 27.5°  | 571.9   | 601.3   | 617.6   | 632.7   | 617.6   | 601.3   | 571.9   | 535.7   | 471.8   | 418.4  | 345.8  |
| 25°    | 860.6   | 917.2   | 953.9   | 971.2   | 953.9   | 917.2   | 860.6   | 787.3   | 686.3   | 589.8  | 470.9  |
| 22.5°  | 1338.8  | 1443.2  | 1523.8  | 1539.9  | 1523.8  | 1443.2  | 1338.8  | 1181.2  | 1018.2  | 849.0  | 666.0  |
| 20°    | 2081.4  | 2230.8  | 2352.3  | 2413.5  | 2352.3  | 2230.8  | 2081.4  | 1813.6  | 1537.7  | 1251.1 | 981.9  |
| 17.5°  | 3450.0  | 3760.7  | 3902.6  | 3925.9  | 3902.6  | 3760.7  | 3450.0  | 2944.4  | 2519.9  | 2033.7 | 1497.2 |
| 15°    | 5486.1  | 6011.8  | 6345.6  | 6560.5  | 6345.6  | 6011.8  | 5486.1  | 4622.5  | 3817.6  | 3055.6 | 2219.5 |
| 12.5°  | 7809.2  | 9303.1  | 10153.2 | 10477.3 | 10153.2 | 9303.1  | 7809.2  | 6447.5  | 5139.3  | 3991.0 | 2944.0 |
| 10°    | 10962.1 | 14479.1 | 16507.9 | 17528.7 | 16507.9 | 14479.1 | 10962.1 | 8734.6  | 6643.5  | 4944.0 | 3552.7 |
| 7.5°   | 16313.4 | 21745.5 | 27764.0 | 30548.4 | 27764.0 | 21745.5 | 16313.4 | 11151.3 | 8225.3  | 5973.7 | 4234.5 |
| 5°     | 21939.0 | 33865.5 | 44333.6 | 49346.4 | 44333.6 | 33865.5 | 21939.0 | 14864.5 | 9905.7  | 6889.0 | 4831.5 |
| 2.5°   | 28404.6 | 44488.7 | 59359.8 | 65612.7 | 59359.8 | 44488.7 | 28404.6 | 17581.4 | 11148.1 | 7433.8 | 5169.2 |
| 0°     | 30893.0 | 49628.5 | 65892.5 | 72029.9 | 65892.5 | 49628.5 | 30893.0 | 18166.0 | 11372.3 | 7629.3 | 5231.0 |
| -2.5°  | 28789.2 | 45267.9 | 59615.3 | 66628.1 | 59615.3 | 45267.9 | 28789.2 | 17513.0 | 11249.4 | 7621.9 | 5280.4 |
| -5°    | 22874.5 | 34052.2 | 44677.8 | 50392.3 | 44677.8 | 34052.2 | 22874.5 | 15413.5 | 10281.9 | 7162.1 | 5004.1 |
| -7.5°  | 16788.5 | 22873.5 | 28774.6 | 30838.1 | 28774.6 | 22873.5 | 16788.5 | 11872.2 | 8694.0  | 6325.2 | 4546.4 |
| -10°   | 11688.5 | 15172.9 | 17473.0 | 18129.5 | 17473.0 | 15172.9 | 11688.5 | 9335.3  | 7175.9  | 5420.5 | 3942.1 |
| -12.5° | 8665.8  | 10189.9 | 11250.4 | 11434.8 | 11250.4 | 10189.9 | 8665.8  | 7209.9  | 5717.7  | 4484.9 | 3390.7 |
| -15°   | 6416.9  | 7191.9  | 7738.8  | 7775.6  | 7738.8  | 7191.9  | 6416.9  | 5535.8  | 4537.6  | 3601.5 | 2723.8 |
| -17.5° | 4690.7  | 5211.0  | 5487.0  | 5467.3  | 5487.0  | 5211.0  | 4690.7  | 4060.6  | 3469.1  | 2756.4 | 2111.4 |
| -20°   | 3354.2  | 3667.8  | 3890.1  | 3846.7  | 3890.1  | 3667.8  | 3354.2  | 2934.6  | 2525.9  | 2024.8 | 1599.2 |



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°  | -5°    | -2.5°  | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 2338.8 | 2546.9 | 2677.2 | 2643.7 | 2677.2 | 2546.9 | 2338.8 | 2050.7 | 1767.6 | 1480.0 | 1168.7 |
| -25°   | 1589.2 | 1702.6 | 1767.1 | 1756.4 | 1767.1 | 1702.6 | 1589.2 | 1424.9 | 1230.6 | 1055.6 | 850.4  |
| -27.5° | 1082.9 | 1142.8 | 1162.8 | 1161.8 | 1162.8 | 1142.8 | 1082.9 | 982.9  | 849.1  | 760.8  | 652.9  |
| -30°   | 751.6  | 791.9  | 814.9  | 800.4  | 814.9  | 791.9  | 751.6  | 699.9  | 630.2  | 573.4  | 511.1  |
| -32.5° | 560.2  | 582.9  | 596.0  | 582.4  | 596.0  | 582.9  | 560.2  | 531.6  | 494.7  | 454.7  | 411.4  |
| -35°   | 441.5  | 453.0  | 457.6  | 449.8  | 457.6  | 453.0  | 441.5  | 423.9  | 400.1  | 373.2  | 343.2  |
| -37.5° | 360.0  | 366.7  | 369.0  | 364.4  | 369.0  | 366.7  | 360.0  | 349.4  | 335.0  | 317.5  | 297.7  |
| -40°   | 305.0  | 309.2  | 310.2  | 306.5  | 310.2  | 309.2  | 305.0  | 298.7  | 290.0  | 279.3  | 265.5  |
| -42.5° | 266.8  | 269.3  | 269.9  | 268.3  | 269.9  | 269.3  | 266.8  | 262.8  | 256.5  | 248.3  | 238.9  |
| -45°   | 238.5  | 240.6  | 241.0  | 239.4  | 241.0  | 240.6  | 238.5  | 235.3  | 230.0  | 223.0  | 214.6  |
| -47.5° | 215.5  | 216.8  | 217.2  | 216.5  | 217.2  | 216.8  | 215.5  | 213.5  | 209.5  | 203.3  | 196.0  |
| -50°   | 198.0  | 198.8  | 198.9  | 198.2  | 198.9  | 198.8  | 198.0  | 196.5  | 193.3  | 187.3  | 180.3  |
| -52.5° | 183.2  | 183.9  | 184.3  | 184.5  | 184.3  | 183.9  | 183.2  | 182.1  | 179.7  | 174.0  | 167.9  |
| -55°   | 170.8  | 171.6  | 172.1  | 172.3  | 172.1  | 171.6  | 170.8  | 169.7  | 168.1  | 162.7  | 156.6  |
| -57.5° | 160.3  | 161.0  | 161.5  | 161.6  | 161.5  | 161.0  | 160.3  | 159.2  | 157.9  | 152.7  | 146.9  |
| -60°   | 149.2  | 150.1  | 150.7  | 150.9  | 150.7  | 150.1  | 149.2  | 148.0  | 146.6  | 142.0  | 136.6  |
| -62.5° | 134.8  | 135.2  | 135.5  | 135.7  | 135.5  | 135.2  | 134.8  | 134.0  | 132.8  | 129.2  | 124.3  |
| -65°   | 120.6  | 121.4  | 121.9  | 122.0  | 121.9  | 121.4  | 120.6  | 119.4  | 117.8  | 114.6  | 110.2  |
| -67.5° | 105.1  | 106.1  | 107.3  | 108.2  | 107.3  | 106.1  | 105.1  | 103.7  | 102.1  | 99.4   | 95.6   |
| -70°   | 91.1   | 92.5   | 92.9   | 93.0   | 92.9   | 92.5   | 91.1   | 89.6   | 87.8   | 85.4   | 82.2   |
| -72.5° | 77.6   | 78.8   | 79.9   | 80.8   | 79.9   | 78.8   | 77.6   | 76.1   | 74.4   | 72.4   | 69.6   |
| -75°   | 64.0   | 65.2   | 65.5   | 65.6   | 65.5   | 65.2   | 64.0   | 62.7   | 61.1   | 59.3   | 56.9   |
| -77.5° | 50.4   | 51.5   | 51.7   | 51.8   | 51.7   | 51.5   | 50.4   | 49.2   | 48.0   | 46.5   | 44.7   |
| -80°   | 37.3   | 37.9   | 38.8   | 39.6   | 38.8   | 37.9   | 37.3   | 36.6   | 35.9   | 35.1   | 33.8   |
| -82.5° | 25.7   | 25.8   | 25.9   | 25.9   | 25.9   | 25.8   | 25.7   | 25.4   | 25.2   | 24.8   | 23.7   |
| -85°   | 16.2   | 16.7   | 16.8   | 16.8   | 16.8   | 16.7   | 16.2   | 15.7   | 15.2   | 14.7   | 14.1   |
| -87.5° | 7.5    | 7.6    | 7.6    | 7.6    | 7.6    | 7.6    | 7.5    | 7.5    | 7.4    | 7.3    | 6.9    |
| -90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 20°           | 22.5°         | 25°           | 27.5°        | 30°          | 32.5°        | 35°          | 37.5°        | 40°          | 42.5°        | 45°          |
|--------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 90°    | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 87.5°  | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 85°    | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 82.5°  | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 80°    | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 77.5°  | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 75°    | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 72.5°  | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 70°    | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| 67.5°  | 0.0           | 0.0           | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.1          |
| 65°    | 0.4           | 0.3           | 0.0           | 0.0          | 0.0          | 0.0          | 0.1          | 0.0          | 0.0          | 0.0          | 0.4          |
| 62.5°  | 1.5           | 1.7           | 1.7           | 1.6          | 1.2          | 0.7          | 0.9          | 1.0          | 0.7          | 0.1          | 0.5          |
| 60°    | 5.7           | 3.6           | 5.1           | 5.7          | 5.0          | 3.5          | 3.6          | 3.4          | 2.8          | 2.2          | 1.5          |
| 57.5°  | 18.8          | 18.1          | 14.9          | 12.9         | 12.3         | 10.9         | 8.9          | 7.1          | 6.3          | 5.0          | 3.6          |
| 55°    | 25.9          | 24.8          | 23.1          | 20.6         | 17.9         | 17.1         | 15.5         | 13.3         | 11.1         | 8.7          | 7.0          |
| 52.5°  | 31.8          | 32.1          | 31.1          | 28.1         | 25.7         | 24.1         | 21.9         | 19.8         | 17.2         | 14.8         | 11.5         |
| 50°    | 45.5          | 43.8          | 42.1          | 40.5         | 36.6         | 32.8         | 30.1         | 27.2         | 23.5         | 20.7         | 18.0         |
| 47.5°  | 58.1          | 55.5          | 53.8          | 51.6         | 47.1         | 43.1         | 38.9         | 34.9         | 30.2         | 25.9         | 23.2         |
| 45°    | 68.9          | 65.1          | 61.8          | 59.0         | 55.2         | 50.6         | 46.9         | 42.4         | 37.1         | 32.1         | 27.3         |
| 42.5°  | 79.8          | 74.2          | 69.6          | 66.8         | 62.1         | 57.5         | 53.3         | 49.8         | 44.1         | 38.2         | 33.4         |
| 40°    | 94.4          | 83.0          | 78.8          | 77.6         | 73.2         | 65.7         | 62.2         | 58.4         | 52.3         | 44.7         | 40.0         |
| 37.5°  | 118.4         | 103.1         | 95.6          | 91.7         | 87.7         | 79.9         | 73.0         | 68.0         | 62.5         | 53.9         | 47.2         |
| 35°    | 152.4         | 134.5         | 118.1         | 109.7        | 105.0        | 94.4         | 85.3         | 78.4         | 71.9         | 63.7         | 55.1         |
| 32.5°  | 182.2         | 162.0         | 142.5         | 127.7        | 117.2        | 107.4        | 97.2         | 88.7         | 80.2         | 71.8         | 63.3         |
| 30°    | 225.8         | 192.0         | 165.1         | 144.4        | 130.7        | 118.6        | 107.8        | 97.5         | 87.9         | 79.0         | 70.4         |
| 27.5°  | 284.9         | 231.0         | 194.5         | 165.3        | 145.0        | 130.6        | 118.3        | 106.3        | 95.2         | 85.7         | 76.9         |
| 25°    | 371.8         | 285.7         | 231.1         | 191.7        | 162.3        | 143.8        | 129.7        | 115.9        | 103.0        | 92.1         | 84.7         |
| 22.5°  | 496.8         | 379.1         | 289.2         | 220.3        | 187.5        | 164.1        | 143.3        | 125.9        | 111.2        | 101.5        | 92.7         |
| 20°    | 711.9         | 507.5         | 374.5         | 286.1        | 225.7        | 188.2        | 159.7        | 139.2        | 124.3        | 111.8        | 100.9        |
| 17.5°  | 1079.7        | 748.0         | 485.0         | 368.5        | 282.4        | 224.1        | 183.1        | 155.9        | 137.0        | 122.1        | 109.1        |
| 15°    | 1530.3        | 1026.6        | 678.0         | 474.8        | 346.1        | 254.0        | 205.0        | 172.4        | 150.2        | 132.9        | 117.3        |
| 12.5°  | 1999.6        | 1291.7        | 837.9         | 555.5        | 391.7        | 286.0        | 228.1        | 191.2        | 163.2        | 140.8        | 122.8        |
| 10°    | 2407.3        | 1564.1        | 999.0         | 650.9        | 443.2        | 316.6        | 246.3        | 203.1        | 171.0        | 146.4        | 127.4        |
| 7.5°   | 2857.8        | 1842.8        | 1147.2        | 720.7        | 485.7        | 341.2        | 258.7        | 211.1        | 177.5        | 151.1        | 131.2        |
| 5°     | 3191.5        | 2055.5        | 1272.7        | 784.4        | 517.7        | 360.0        | 268.3        | 216.8        | 182.6        | 154.8        | 134.3        |
| 2.5°   | 3415.4        | 2203.6        | 1351.4        | 828.3        | 537.5        | 374.3        | 276.0        | 222.2        | 186.5        | 158.6        | 137.6        |
| 0°     | <b>3485.3</b> | <b>2218.3</b> | <b>1411.8</b> | <b>855.3</b> | <b>550.4</b> | <b>387.3</b> | <b>282.1</b> | <b>227.2</b> | <b>189.1</b> | <b>161.6</b> | <b>140.3</b> |
| -2.5°  | 3506.6        | 2243.8        | 1405.8        | 861.2        | 554.8        | 394.2        | 284.7        | 228.1        | 191.0        | 162.8        | 140.7        |
| -5°    | 3367.4        | 2178.0        | 1374.3        | 855.2        | 551.5        | 394.1        | 288.9        | 229.7        | 192.2        | 163.2        | 140.3        |
| -7.5°  | 3122.7        | 2035.9        | 1291.8        | 816.4        | 535.5        | 387.8        | 292.0        | 231.9        | 193.2        | 164.3        | 141.4        |
| -10°   | 2750.6        | 1808.0        | 1163.5        | 751.5        | 508.9        | 375.7        | 289.2        | 230.7        | 192.5        | 164.1        | 141.7        |
| -12.5° | 2376.2        | 1552.7        | 997.4         | 660.4        | 465.5        | 353.5        | 278.3        | 226.0        | 190.1        | 162.5        | 141.0        |
| -15°   | 1900.8        | 1299.6        | 874.2         | 598.0        | 426.3        | 329.5        | 264.5        | 218.6        | 186.1        | 159.4        | 139.4        |
| -17.5° | 1526.7        | 1054.2        | 716.0         | 512.8        | 388.6        | 308.4        | 253.8        | 212.6        | 181.3        | 156.4        | 137.2        |
| -20°   | 1174.4        | 830.3         | 606.3         | 451.2        | 349.8        | 282.4        | 239.3        | 203.8        | 175.7        | 153.2        | 135.2        |

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

Scaled Data Report



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 20°   | 22.5° | 25°   | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -22.5° | 885.1 | 672.5 | 503.2 | 387.9 | 313.6 | 262.3 | 224.8 | 194.0 | 169.0 | 148.6 | 132.5 |
| -25°   | 687.7 | 536.4 | 420.9 | 342.6 | 281.7 | 240.2 | 211.3 | 186.1 | 163.7 | 144.1 | 129.3 |
| -27.5° | 543.9 | 435.5 | 361.2 | 300.5 | 255.8 | 225.2 | 200.4 | 178.0 | 158.0 | 140.7 | 126.0 |
| -30°   | 440.4 | 370.0 | 312.8 | 267.3 | 235.4 | 209.8 | 189.8 | 171.1 | 152.6 | 136.3 | 122.5 |
| -32.5° | 360.7 | 317.5 | 274.5 | 241.8 | 215.4 | 195.8 | 179.5 | 163.7 | 146.1 | 131.8 | 118.8 |
| -35°   | 308.9 | 277.5 | 246.9 | 220.8 | 198.6 | 183.6 | 169.1 | 154.4 | 140.0 | 126.7 | 114.7 |
| -37.5° | 272.8 | 247.1 | 224.1 | 203.1 | 186.6 | 172.5 | 159.8 | 146.7 | 133.7 | 121.5 | 110.4 |
| -40°   | 244.7 | 222.9 | 204.7 | 188.8 | 175.5 | 163.4 | 151.9 | 139.8 | 128.2 | 116.0 | 105.7 |
| -42.5° | 221.7 | 204.5 | 188.8 | 176.5 | 165.2 | 155.0 | 144.8 | 134.3 | 122.9 | 111.3 | 100.5 |
| -45°   | 202.8 | 189.2 | 176.1 | 165.2 | 155.6 | 147.0 | 139.1 | 128.6 | 117.5 | 106.0 | 94.9  |
| -47.5° | 186.8 | 175.7 | 164.7 | 154.6 | 146.6 | 139.1 | 131.6 | 122.4 | 110.7 | 99.8  | 90.4  |
| -50°   | 172.7 | 163.7 | 154.4 | 145.1 | 138.1 | 131.3 | 123.4 | 113.7 | 103.7 | 94.7  | 85.8  |
| -52.5° | 161.4 | 153.3 | 145.2 | 137.4 | 130.6 | 123.4 | 114.9 | 106.5 | 97.9  | 89.5  | 81.3  |
| -55°   | 149.9 | 143.3 | 136.8 | 130.4 | 123.9 | 116.5 | 108.7 | 100.4 | 92.0  | 84.1  | 75.8  |
| -57.5° | 140.9 | 134.8 | 128.9 | 123.1 | 117.4 | 110.1 | 102.1 | 93.9  | 85.2  | 77.3  | 69.4  |
| -60°   | 131.2 | 126.0 | 120.2 | 114.6 | 109.1 | 102.6 | 93.9  | 85.6  | 77.6  | 70.0  | 62.4  |
| -62.5° | 119.3 | 114.2 | 109.1 | 103.7 | 98.0  | 91.6  | 83.7  | 76.0  | 69.0  | 62.4  | 55.6  |
| -65°   | 105.6 | 100.9 | 96.0  | 90.7  | 84.7  | 78.0  | 71.3  | 65.7  | 60.3  | 54.7  | 48.7  |
| -67.5° | 91.6  | 87.3  | 82.3  | 76.9  | 71.7  | 66.4  | 61.6  | 56.7  | 51.7  | 46.6  | 41.2  |
| -70°   | 78.8  | 75.4  | 71.3  | 66.7  | 61.8  | 56.8  | 52.2  | 47.7  | 43.0  | 38.7  | 34.6  |
| -72.5° | 66.7  | 63.5  | 59.9  | 55.6  | 51.3  | 47.1  | 43.2  | 39.5  | 35.9  | 32.3  | 28.7  |
| -75°   | 54.3  | 51.7  | 48.8  | 45.3  | 41.8  | 38.3  | 35.1  | 32.1  | 29.0  | 25.9  | 22.8  |
| -77.5° | 42.8  | 40.9  | 38.8  | 36.0  | 33.3  | 30.5  | 27.8  | 25.1  | 22.6  | 20.2  | 18.1  |
| -80°   | 32.4  | 30.9  | 29.3  | 27.1  | 24.9  | 22.7  | 20.6  | 18.8  | 17.0  | 15.5  | 13.9  |
| -82.5° | 22.5  | 21.4  | 20.2  | 18.7  | 17.1  | 15.6  | 14.1  | 13.0  | 11.9  | 10.8  | 9.8   |
| -85°   | 13.5  | 12.9  | 12.3  | 11.4  | 10.5  | 9.8   | 9.0   | 8.4   | 7.8   | 7.1   | 6.5   |
| -87.5° | 6.4   | 6.0   | 5.5   | 5.4   | 5.3   | 5.1   | 5.0   | 4.5   | 4.1   | 3.7   | 3.3   |
| -90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |





REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 50°   | 52.5° | 55°  | 57.5° | 60°  | 62.5° | 65°  | 67.5° | 70°  | 72.5° |
|--------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|
| 90°    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 87.5°  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 85°    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 82.5°  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 80°    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 77.5°  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 75°    | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.1  | 0.1   | 0.0  | 0.0   |
| 72.5°  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.1  | 0.3   | 0.3  | 0.1   |
| 70°    | 0.0   | 0.0   | 0.0   | 0.1  | 0.1   | 0.0  | 0.0   | 0.2  | 0.6   | 0.6  | 0.5   |
| 67.5°  | 0.0   | 0.0   | 0.0   | 0.3  | 0.5   | 0.4  | 0.1   | 0.3  | 0.6   | 1.0  | 0.8   |
| 65°    | 0.5   | 0.4   | 0.0   | 0.4  | 0.7   | 1.0  | 0.7   | 0.5  | 0.7   | 1.0  | 1.2   |
| 62.5°  | 0.9   | 1.1   | 0.8   | 0.6  | 0.8   | 1.2  | 1.4   | 0.9  | 0.8   | 1.1  | 1.4   |
| 60°    | 1.0   | 1.3   | 1.5   | 1.2  | 1.1   | 1.3  | 1.5   | 1.4  | 1.1   | 1.1  | 1.5   |
| 57.5°  | 2.7   | 1.7   | 1.7   | 1.6  | 1.4   | 1.4  | 1.5   | 1.5  | 1.3   | 1.3  | 1.5   |
| 55°    | 5.0   | 3.7   | 2.5   | 2.0  | 1.7   | 1.5  | 1.5   | 1.5  | 1.5   | 1.4  | 1.5   |
| 52.5°  | 8.7   | 6.3   | 4.6   | 3.1  | 2.3   | 1.7  | 1.7   | 1.5  | 1.5   | 1.5  | 1.5   |
| 50°    | 13.8  | 9.9   | 7.3   | 5.2  | 3.2   | 2.5  | 1.9   | 1.7  | 1.5   | 1.5  | 1.5   |
| 47.5°  | 20.1  | 14.8  | 10.6  | 7.6  | 5.3   | 3.4  | 2.7   | 2.1  | 1.5   | 1.5  | 1.5   |
| 45°    | 24.9  | 20.7  | 14.8  | 10.7 | 7.5   | 5.2  | 3.6   | 2.5  | 1.9   | 1.6  | 1.5   |
| 42.5°  | 29.5  | 25.7  | 20.1  | 13.7 | 10.3  | 7.1  | 4.7   | 3.3  | 2.3   | 1.6  | 1.6   |
| 40°    | 35.5  | 30.7  | 25.2  | 18.7 | 13.4  | 9.1  | 6.3   | 4.3  | 2.8   | 1.9  | 1.7   |
| 37.5°  | 41.6  | 36.2  | 30.3  | 23.5 | 17.0  | 12.1 | 8.0   | 5.4  | 3.5   | 2.4  | 1.8   |
| 35°    | 48.4  | 42.0  | 35.3  | 28.1 | 21.1  | 15.1 | 9.7   | 6.6  | 4.5   | 3.0  | 2.0   |
| 32.5°  | 55.3  | 47.5  | 39.9  | 32.5 | 25.0  | 18.2 | 12.0  | 8.2  | 5.4   | 3.6  | 2.2   |
| 30°    | 62.1  | 53.0  | 44.2  | 36.7 | 28.8  | 21.6 | 14.9  | 9.9  | 6.3   | 4.2  | 2.5   |
| 27.5°  | 68.2  | 58.4  | 48.4  | 40.5 | 32.4  | 24.7 | 17.8  | 11.7 | 7.2   | 4.9  | 3.0   |
| 25°    | 74.6  | 63.9  | 53.1  | 43.9 | 35.9  | 27.9 | 20.5  | 13.7 | 8.4   | 5.6  | 3.5   |
| 22.5°  | 81.9  | 69.5  | 57.7  | 47.0 | 39.6  | 31.0 | 23.1  | 16.0 | 10.0  | 6.3  | 4.0   |
| 20°    | 89.7  | 75.0  | 62.3  | 51.3 | 43.0  | 34.1 | 25.6  | 18.2 | 11.5  | 7.0  | 4.5   |
| 17.5°  | 97.7  | 81.0  | 67.8  | 56.2 | 46.5  | 37.1 | 28.1  | 20.1 | 13.1  | 7.6  | 5.0   |
| 15°    | 103.1 | 87.0  | 72.8  | 60.8 | 49.9  | 39.8 | 30.4  | 21.9 | 14.6  | 8.1  | 5.4   |
| 12.5°  | 107.6 | 92.2  | 77.2  | 65.1 | 53.2  | 42.3 | 32.6  | 23.5 | 16.2  | 8.9  | 5.9   |
| 10°    | 111.6 | 96.5  | 81.1  | 69.0 | 56.5  | 44.6 | 34.5  | 24.9 | 17.5  | 9.9  | 6.3   |
| 7.5°   | 115.1 | 100.1 | 84.4  | 72.6 | 59.6  | 46.9 | 36.2  | 26.1 | 18.7  | 10.9 | 6.7   |
| 5°     | 118.0 | 103.2 | 87.1  | 74.9 | 62.5  | 49.3 | 37.6  | 27.2 | 19.8  | 11.9 | 7.0   |
| 2.5°   | 120.3 | 106.0 | 89.5  | 76.5 | 65.0  | 51.5 | 38.7  | 28.2 | 20.6  | 12.8 | 7.3   |
| 0°     | 122.0 | 108.2 | 91.5  | 77.8 | 67.1  | 53.4 | 39.6  | 29.0 | 21.3  | 13.7 | 7.6   |
| -2.5°  | 123.1 | 108.6 | 93.6  | 79.2 | 68.4  | 55.0 | 41.5  | 30.0 | 21.9  | 14.5 | 8.1   |
| -5°    | 123.5 | 108.6 | 95.2  | 80.3 | 69.3  | 56.3 | 43.0  | 30.8 | 22.3  | 15.2 | 8.5   |
| -7.5°  | 124.2 | 109.1 | 96.0  | 81.1 | 69.9  | 57.3 | 44.3  | 31.3 | 22.7  | 15.7 | 8.9   |
| -10°   | 124.5 | 109.6 | 96.2  | 82.2 | 70.4  | 58.0 | 45.0  | 31.7 | 22.9  | 16.1 | 9.2   |
| -12.5° | 124.1 | 109.5 | 96.2  | 82.8 | 70.7  | 58.4 | 45.4  | 32.3 | 23.2  | 16.4 | 9.5   |
| -15°   | 123.1 | 108.9 | 95.9  | 82.9 | 70.6  | 58.5 | 45.6  | 32.9 | 23.6  | 16.4 | 9.7   |
| -17.5° | 121.6 | 107.6 | 95.6  | 82.4 | 70.4  | 58.4 | 45.4  | 33.1 | 23.9  | 16.3 | 10.0  |
| -20°   | 120.1 | 106.5 | 95.1  | 81.3 | 69.8  | 58.1 | 45.0  | 33.1 | 23.9  | 16.1 | 10.2  |

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 47.5° | 50°   | 52.5° | 55°  | 57.5° | 60°  | 62.5° | 65°  | 67.5° | 70°  | 72.5° |
|--------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|
| -22.5° | 118.1 | 105.4 | 93.4  | 80.2 | 69.1  | 57.6 | 44.4  | 32.7 | 23.6  | 15.7 | 10.3  |
| -25°   | 115.6 | 103.8 | 91.5  | 79.3 | 68.1  | 56.5 | 43.6  | 32.0 | 23.0  | 15.2 | 10.3  |
| -27.5° | 113.1 | 101.5 | 89.4  | 78.2 | 66.8  | 55.2 | 42.7  | 31.3 | 22.3  | 14.6 | 10.3  |
| -30°   | 110.2 | 99.0  | 87.7  | 76.5 | 64.9  | 53.3 | 41.3  | 30.3 | 21.4  | 14.3 | 10.2  |
| -32.5° | 107.0 | 96.5  | 85.7  | 74.1 | 62.6  | 51.2 | 39.5  | 28.8 | 20.5  | 14.1 | 10.0  |
| -35°   | 103.9 | 93.7  | 83.2  | 71.0 | 60.1  | 49.0 | 37.7  | 27.0 | 19.4  | 13.8 | 9.9   |
| -37.5° | 100.1 | 90.2  | 79.3  | 67.8 | 57.4  | 46.6 | 36.0  | 25.9 | 18.2  | 13.4 | 9.7   |
| -40°   | 95.8  | 85.9  | 74.8  | 64.7 | 54.6  | 44.0 | 34.2  | 25.0 | 17.4  | 12.9 | 9.5   |
| -42.5° | 91.0  | 81.1  | 71.2  | 61.5 | 51.6  | 41.9 | 32.3  | 23.8 | 17.0  | 12.5 | 9.3   |
| -45°   | 86.0  | 76.8  | 67.8  | 58.2 | 48.6  | 39.6 | 30.7  | 22.5 | 16.5  | 12.1 | 9.0   |
| -47.5° | 81.4  | 73.1  | 64.1  | 54.7 | 46.1  | 37.3 | 28.8  | 21.6 | 15.8  | 11.7 | 8.7   |
| -50°   | 77.5  | 69.0  | 60.1  | 51.2 | 43.0  | 34.9 | 26.9  | 20.5 | 15.2  | 11.3 | 8.3   |
| -52.5° | 73.0  | 64.4  | 55.7  | 47.3 | 39.8  | 32.3 | 25.3  | 19.2 | 14.4  | 10.7 | 7.8   |
| -55°   | 67.6  | 59.1  | 50.8  | 43.4 | 36.4  | 29.8 | 23.4  | 17.8 | 13.3  | 10.1 | 7.3   |
| -57.5° | 61.4  | 53.1  | 46.3  | 39.6 | 33.0  | 27.0 | 21.2  | 16.1 | 12.3  | 9.4  | 6.7   |
| -60°   | 54.9  | 48.3  | 42.0  | 35.5 | 29.4  | 24.0 | 18.8  | 14.5 | 11.3  | 8.5  | 6.1   |
| -62.5° | 49.2  | 43.2  | 37.0  | 31.0 | 25.7  | 20.8 | 16.3  | 13.2 | 10.3  | 7.7  | 5.4   |
| -65°   | 42.8  | 37.1  | 31.5  | 26.6 | 21.9  | 17.8 | 14.6  | 11.7 | 9.1   | 6.7  | 4.7   |
| -67.5° | 35.9  | 31.3  | 26.7  | 22.2 | 18.8  | 15.7 | 12.8  | 10.2 | 7.8   | 5.7  | 4.3   |
| -70°   | 30.4  | 26.1  | 22.3  | 19.1 | 16.2  | 13.5 | 11.0  | 8.6  | 6.5   | 5.1  | 3.9   |
| -72.5° | 25.1  | 21.8  | 18.8  | 16.1 | 13.5  | 11.2 | 9.0   | 7.1  | 5.7   | 4.5  | 3.4   |
| -75°   | 20.0  | 17.6  | 15.2  | 12.9 | 10.8  | 8.8  | 7.4   | 6.0  | 4.8   | 3.8  | 3.0   |
| -77.5° | 16.0  | 13.9  | 11.7  | 10.0 | 8.7   | 7.4  | 6.1   | 4.8  | 4.0   | 3.3  | 2.6   |
| -80°   | 12.3  | 10.8  | 9.5   | 8.4  | 7.2   | 6.0  | 4.9   | 4.0  | 3.4   | 2.8  | 2.1   |
| -82.5° | 8.8   | 8.0   | 7.3   | 6.7  | 5.8   | 4.9  | 4.1   | 3.4  | 2.8   | 2.3  | 1.7   |
| -85°   | 6.0   | 5.7   | 5.3   | 5.0  | 4.4   | 3.8  | 3.1   | 2.5  | 2.0   | 1.5  | 1.1   |
| -87.5° | 3.1   | 3.0   | 2.8   | 2.6  | 2.3   | 1.9  | 1.6   | 1.3  | 1.0   | 0.8  | 0.6   |
| -90°   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |

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REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| 90°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 87.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 85°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.1   | 0.0 |
| 82.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.1   | 0.0 |
| 80°    | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.1   | 0.0 |
| 77.5°  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.2   | 0.0 |
| 75°    | 0.0 | 0.1   | 0.0 | 0.0   | 0.0 | 0.2   | 0.0 |
| 72.5°  | 0.1 | 0.2   | 0.2 | 0.0   | 0.0 | 0.2   | 0.0 |
| 70°    | 0.2 | 0.3   | 0.3 | 0.0   | 0.1 | 0.3   | 0.0 |
| 67.5°  | 0.5 | 0.5   | 0.5 | 0.2   | 0.1 | 0.3   | 0.0 |
| 65°    | 0.9 | 0.6   | 0.6 | 0.3   | 0.1 | 0.3   | 0.0 |
| 62.5°  | 1.2 | 0.9   | 0.8 | 0.5   | 0.2 | 0.4   | 0.0 |
| 60°    | 1.5 | 1.0   | 0.9 | 0.6   | 0.2 | 0.4   | 0.0 |
| 57.5°  | 1.5 | 1.2   | 1.1 | 0.8   | 0.3 | 0.5   | 0.0 |
| 55°    | 1.5 | 1.4   | 1.2 | 1.0   | 0.5 | 0.5   | 0.0 |
| 52.5°  | 1.5 | 1.5   | 1.2 | 1.1   | 0.6 | 0.6   | 0.0 |
| 50°    | 1.5 | 1.5   | 1.3 | 1.3   | 0.7 | 0.6   | 0.0 |
| 47.5°  | 1.5 | 1.5   | 1.4 | 1.4   | 0.8 | 0.6   | 0.0 |
| 45°    | 1.5 | 1.5   | 1.4 | 1.5   | 0.9 | 0.7   | 0.0 |
| 42.5°  | 1.5 | 1.5   | 1.5 | 1.5   | 1.0 | 0.7   | 0.0 |
| 40°    | 1.5 | 1.5   | 1.5 | 1.5   | 1.0 | 0.8   | 0.0 |
| 37.5°  | 1.5 | 1.5   | 1.5 | 1.5   | 1.1 | 0.8   | 0.0 |
| 35°    | 1.5 | 1.5   | 1.5 | 1.5   | 1.2 | 0.9   | 0.0 |
| 32.5°  | 1.5 | 1.5   | 1.5 | 1.5   | 1.2 | 0.9   | 0.0 |
| 30°    | 1.7 | 1.5   | 1.5 | 1.5   | 1.3 | 1.0   | 0.0 |
| 27.5°  | 1.9 | 1.5   | 1.5 | 1.5   | 1.3 | 1.0   | 0.0 |
| 25°    | 2.0 | 1.5   | 1.5 | 1.5   | 1.4 | 1.1   | 0.0 |
| 22.5°  | 2.2 | 1.5   | 1.5 | 1.5   | 1.4 | 1.1   | 0.0 |
| 20°    | 2.4 | 1.6   | 1.5 | 1.5   | 1.4 | 1.2   | 0.0 |
| 17.5°  | 2.7 | 1.8   | 1.5 | 1.5   | 1.5 | 1.2   | 0.0 |
| 15°    | 3.0 | 1.9   | 1.5 | 1.5   | 1.5 | 1.3   | 0.0 |
| 12.5°  | 3.3 | 2.1   | 1.5 | 1.5   | 1.5 | 1.3   | 0.0 |
| 10°    | 3.6 | 2.3   | 1.5 | 1.5   | 1.5 | 1.3   | 0.0 |
| 7.5°   | 3.9 | 2.5   | 1.5 | 1.5   | 1.5 | 1.4   | 0.0 |
| 5°     | 4.1 | 2.6   | 1.5 | 1.5   | 1.5 | 1.4   | 0.0 |
| 2.5°   | 4.4 | 2.8   | 1.5 | 1.5   | 1.5 | 1.5   | 0.0 |
| 0°     | 4.6 | 3.0   | 1.5 | 1.5   | 1.5 | 1.5   | 0.0 |
| -2.5°  | 5.0 | 3.2   | 1.6 | 1.5   | 1.5 | 1.5   | 0.0 |
| -5°    | 5.4 | 3.3   | 1.8 | 1.5   | 1.5 | 1.5   | 0.0 |
| -7.5°  | 5.7 | 3.5   | 1.9 | 1.5   | 1.5 | 1.5   | 0.0 |
| -10°   | 6.0 | 3.6   | 2.0 | 1.5   | 1.5 | 1.5   | 0.0 |
| -12.5° | 6.2 | 3.7   | 2.1 | 1.5   | 1.5 | 1.5   | 0.0 |
| -15°   | 6.4 | 3.8   | 2.2 | 1.5   | 1.5 | 1.4   | 0.0 |
| -17.5° | 6.5 | 3.9   | 2.2 | 1.5   | 1.5 | 1.4   | 0.0 |
| -20°   | 6.6 | 3.9   | 2.3 | 1.5   | 1.5 | 1.4   | 0.0 |

Classified

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

Scaled Data Report



REPORT NUMBER: P626758 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-750-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 6.7 | 3.9   | 2.3 | 1.5   | 1.5 | 1.4   | 0.0 |
| -25°   | 6.8 | 4.0   | 2.3 | 1.5   | 1.5 | 1.4   | 0.0 |
| -27.5° | 6.8 | 4.1   | 2.3 | 1.5   | 1.5 | 1.3   | 0.0 |
| -30°   | 6.7 | 4.2   | 2.2 | 1.5   | 1.5 | 1.3   | 0.0 |
| -32.5° | 6.7 | 4.2   | 2.2 | 1.5   | 1.5 | 1.3   | 0.0 |
| -35°   | 6.7 | 4.2   | 2.2 | 1.5   | 1.5 | 1.2   | 0.0 |
| -37.5° | 6.6 | 4.1   | 2.1 | 1.5   | 1.5 | 1.2   | 0.0 |
| -40°   | 6.5 | 4.1   | 2.1 | 1.5   | 1.5 | 1.1   | 0.0 |
| -42.5° | 6.4 | 4.0   | 2.0 | 1.5   | 1.5 | 1.1   | 0.0 |
| -45°   | 6.2 | 3.8   | 2.1 | 1.6   | 1.5 | 1.1   | 0.0 |
| -47.5° | 5.9 | 3.6   | 2.1 | 1.6   | 1.5 | 1.0   | 0.0 |
| -50°   | 5.6 | 3.4   | 2.1 | 1.6   | 1.5 | 1.0   | 0.0 |
| -52.5° | 5.3 | 3.1   | 2.1 | 1.6   | 1.5 | 0.9   | 0.0 |
| -55°   | 4.9 | 3.0   | 2.1 | 1.6   | 1.5 | 0.9   | 0.0 |
| -57.5° | 4.4 | 2.9   | 2.1 | 1.6   | 1.5 | 0.8   | 0.0 |
| -60°   | 4.0 | 2.8   | 2.0 | 1.6   | 1.5 | 0.7   | 0.0 |
| -62.5° | 3.8 | 2.7   | 2.0 | 1.6   | 1.4 | 0.7   | 0.0 |
| -65°   | 3.5 | 2.6   | 1.9 | 1.6   | 1.3 | 0.6   | 0.0 |
| -67.5° | 3.2 | 2.4   | 1.8 | 1.5   | 1.1 | 0.6   | 0.0 |
| -70°   | 2.9 | 2.2   | 1.7 | 1.5   | 1.0 | 0.5   | 0.0 |
| -72.5° | 2.6 | 2.0   | 1.6 | 1.3   | 0.9 | 0.5   | 0.0 |
| -75°   | 2.3 | 1.8   | 1.5 | 1.2   | 0.8 | 0.4   | 0.0 |
| -77.5° | 1.9 | 1.6   | 1.3 | 1.0   | 0.6 | 0.3   | 0.0 |
| -80°   | 1.5 | 1.3   | 1.0 | 0.8   | 0.5 | 0.3   | 0.0 |
| -82.5° | 1.2 | 1.0   | 0.8 | 0.6   | 0.4 | 0.2   | 0.0 |
| -85°   | 0.8 | 0.6   | 0.5 | 0.4   | 0.3 | 0.1   | 0.0 |
| -87.5° | 0.4 | 0.3   | 0.3 | 0.2   | 0.1 | 0.1   | 0.0 |
| -90°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)