

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: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23691.8 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 6H x 6V  
Max Intensity: 17752.9 candela  
Max Intensity Angle: -2.5°H x -2.5°V

Beam Angle (50%): 63.9°H x 69.6°V  
Beam Lumens: 13707.3 lumens  
Beam Efficiency: 57.9%

Field Angle (10%): 112.5°H x 117.1°V  
Field Lumens: 22482 lumens  
Field Efficiency: 94.9%

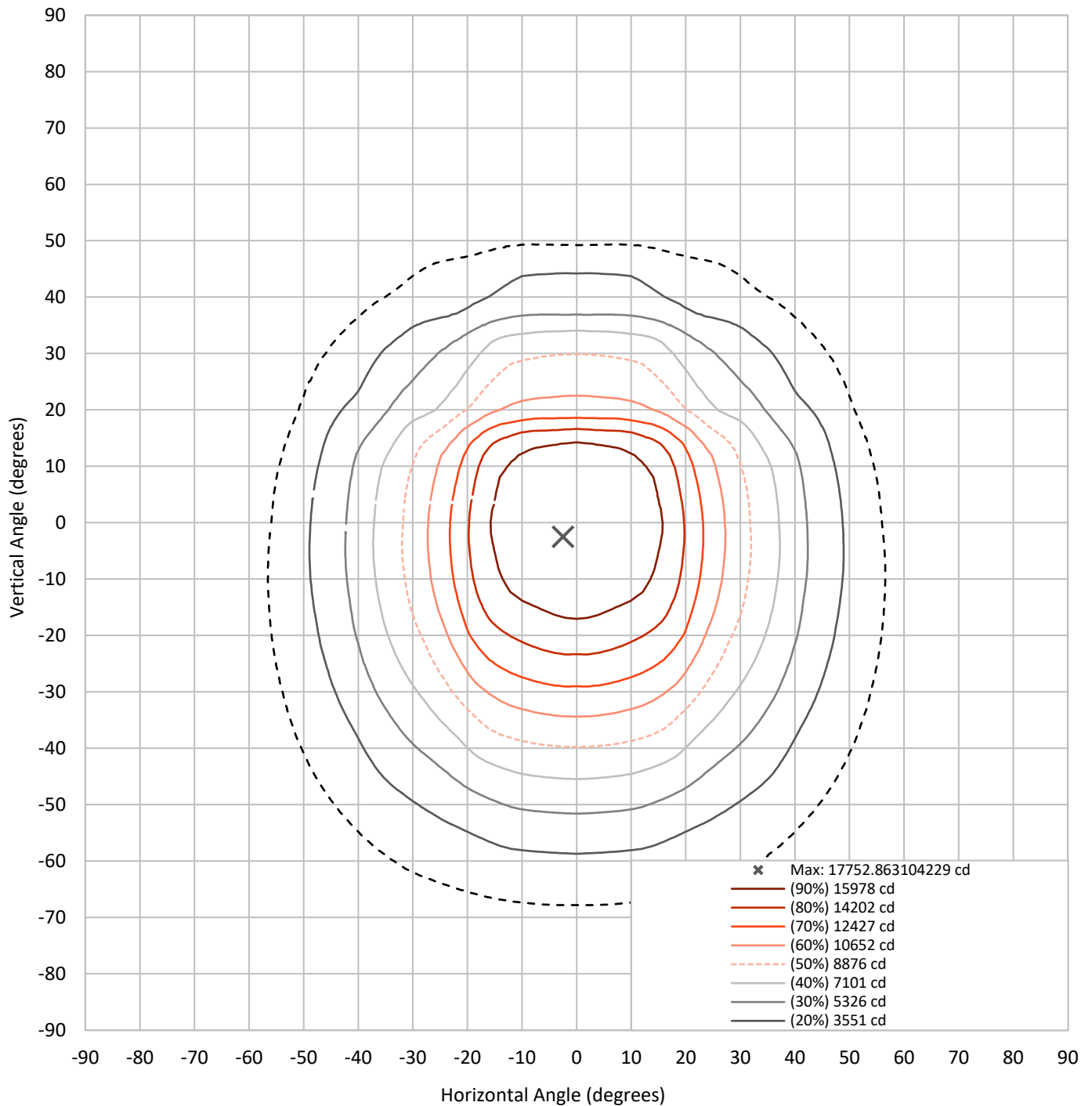
Input Watts (W): 255.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

### Iso-Candela Plot





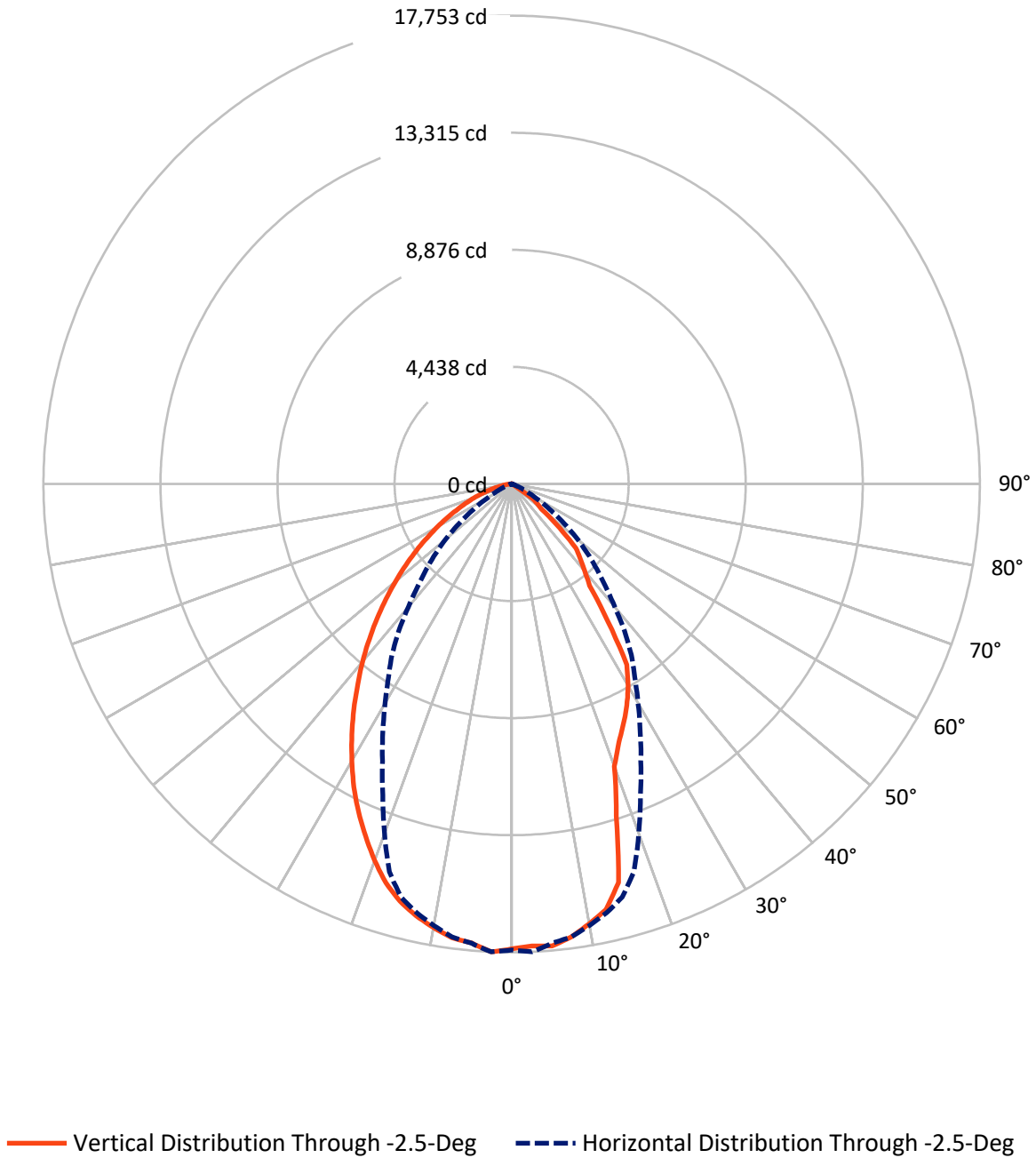
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### Lumen Table

|     |     |     |      |      |       |       |       |       |       |       |       |       |      |      |     |     |    |    |    |
|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|----|----|----|
| 90  |     |     |      |      |       |       |       |       |       |       |       |       |      |      |     |     |    |    |    |
| 80  | 0.1 | 0.1 | 0.1  | 0.3  | 0.3   | 0.3   | 0.1   | 0.1   | 0.1   |       |       |       |      |      |     |     |    |    |    |
| 70  |     |     |      |      |       |       |       |       |       |       |       |       |      |      |     |     |    |    |    |
| 60  | 0.2 | 0.1 | 0.1  | 0.2  | 0.2   | 0.2   | 0.3   | 0.2   | 0.2   | 0.3   | 0.2   | 0.2   | 0.2  | 0.1  | 0.1 | 0.2 |    |    |    |
| 50  |     | 0.2 | 0.5  | 2.2  | 6.5   | 12.5  | 18.5  | 23.0  | 23.0  | 18.5  | 12.5  | 6.5   | 2.2  | 0.5  | 0.2 |     |    |    |    |
| 40  | 0.4 | 0.4 | 2.6  | 12.1 | 29.4  | 52.9  | 78.1  | 95.6  | 95.6  | 78.1  | 52.9  | 29.4  | 12.1 | 2.6  | 0.4 | 0.4 |    |    |    |
| 30  |     | 1.2 | 8.8  | 30.8 | 68.6  | 111.3 | 166.9 | 195.1 | 195.1 | 166.9 | 111.3 | 68.6  | 30.8 | 8.8  | 1.2 |     |    |    |    |
| 20  | 0.7 | 2.6 | 17.1 | 54.5 | 110.6 | 175.4 | 263.1 | 302.4 | 302.4 | 263.1 | 175.4 | 110.6 | 54.5 | 17.1 | 2.6 | 0.7 |    |    |    |
| 10  |     | 4.5 | 26.2 | 80.7 | 159.4 | 262.3 | 390.5 | 447.8 | 447.8 | 390.5 | 262.3 | 159.4 | 80.7 | 26.2 | 4.5 |     |    |    |    |
| 0   | 1.2 | 6.1 | 33.9 | 95.8 | 190.6 | 313.4 | 461.1 | 523.3 | 523.3 | 461.1 | 313.4 | 190.6 | 95.8 | 33.9 | 6.1 | 1.2 |    |    |    |
| -10 |     | 7.3 | 37.4 | 99.5 | 195.7 | 320.6 | 464.5 | 525.2 | 525.2 | 464.5 | 320.6 | 195.7 | 99.5 | 37.4 | 7.3 |     |    |    |    |
| -20 | 1.5 | 7.6 | 36.6 | 94.2 | 184.6 | 300.2 | 431.1 | 487.1 | 487.1 | 431.1 | 300.2 | 184.6 | 94.2 | 36.6 | 7.6 | 1.5 |    |    |    |
| -30 |     | 6.9 | 32.0 | 82.2 | 159.4 | 255.2 | 361.4 | 409.3 | 409.3 | 361.4 | 255.2 | 159.4 | 82.2 | 32.0 | 6.9 |     |    |    |    |
| -40 | 1.5 | 5.8 | 25.5 | 64.6 | 125.4 | 196.9 | 276.0 | 312.5 | 312.5 | 276.0 | 196.9 | 125.4 | 64.6 | 25.5 | 5.8 | 1.5 |    |    |    |
| -50 |     | 4.7 | 18.9 | 46.1 | 89.8  | 138.5 | 191.0 | 216.8 | 216.8 | 191.0 | 138.5 | 89.8  | 46.1 | 18.9 | 4.7 |     |    |    |    |
| -60 | 1.1 | 3.5 | 12.3 | 29.6 | 55.8  | 85.9  | 116.8 | 133.1 | 133.1 | 116.8 | 85.9  | 55.8  | 29.6 | 12.3 | 3.5 | 1.1 |    |    |    |
| -70 |     | 2.5 | 7.5  | 17.3 | 30.7  | 45.6  | 60.3  | 68.4  | 68.4  | 60.3  | 45.6  | 30.7  | 17.3 | 7.5  | 2.5 |     |    |    |    |
| -80 | 0.4 | 5.5 | 25.5 | 55.7 | 62.2  | 55.7  | 25.5  | 5.5   | 0.4   |       |       |       |      |      |     |     |    |    |    |
| -90 |     |     |      |      |       |       |       |       |       |       |       |       |      |      |     |     |    |    |    |
|     | -90 | -80 | -70  | -60  | -50   | -40   | -30   | -20   | -10   | 0     | 10    | 20    | 30   | 40   | 50  | 60  | 70 | 80 | 90 |

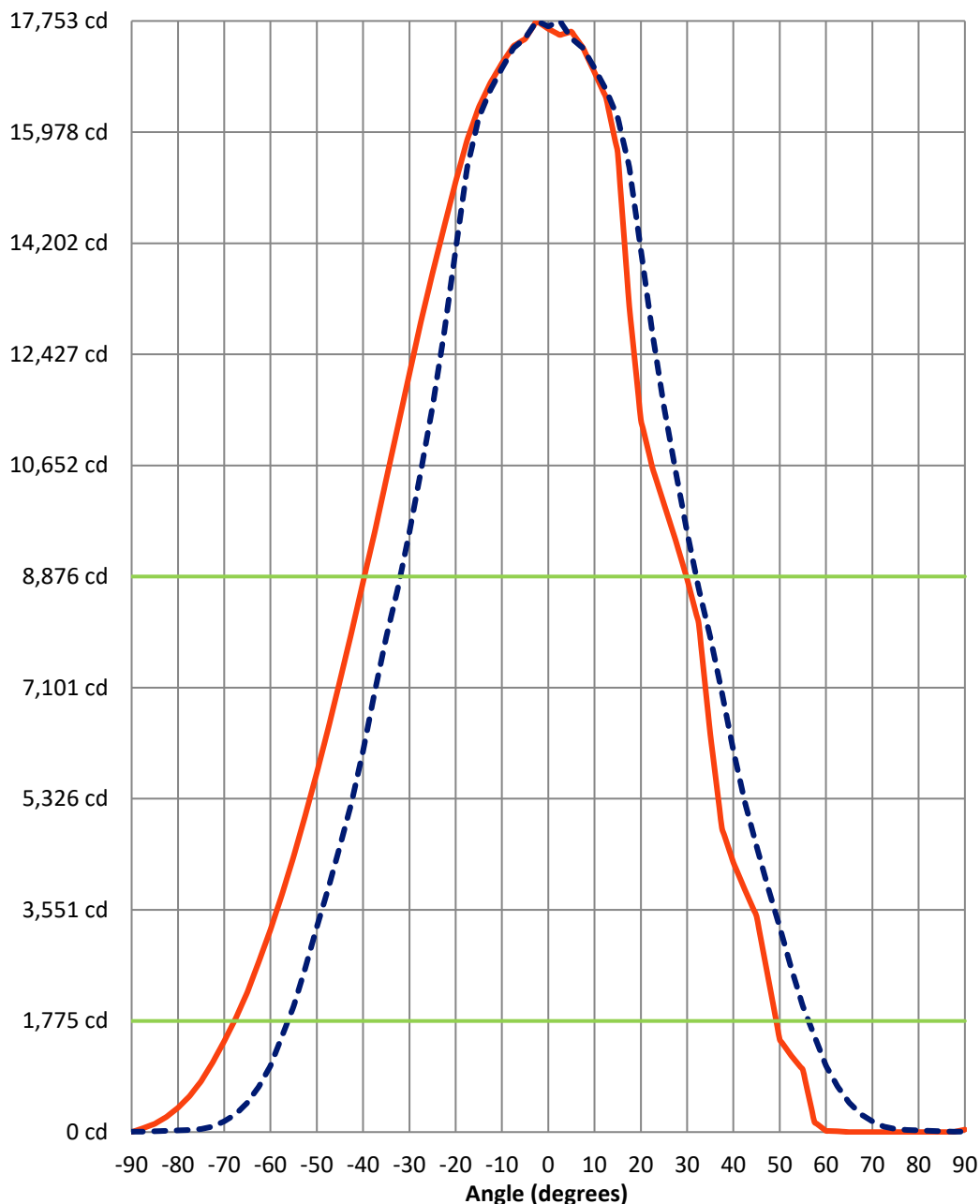
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 13707.3  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 22482  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1209.8  
 Efficiency: 5.1%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70°  | -67.5° | -65°  |
|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| 90°    | 6.6  | 6.6    | 6.6  | 8.3    | 10.0 | 11.6   | 13.3 | 15.0   | 16.6  | 18.3   | 19.9  |
| 87.5°  | 6.6  | 6.6    | 6.6  | 6.4    | 6.0  | 5.5    | 4.9  | 3.5    | 2.2   | 1.0    | 0.0   |
| 85°    | 6.6  | 6.6    | 6.6  | 6.2    | 5.5  | 4.5    | 3.2  | 2.0    | 1.1   | 0.4    | 0.0   |
| 82.5°  | 6.6  | 6.6    | 6.6  | 6.0    | 4.9  | 3.4    | 1.6  | 0.5    | 0.2   | 1.0    | 1.7   |
| 80°    | 6.6  | 6.6    | 6.6  | 5.8    | 4.4  | 2.4    | 0.3  | 1.3    | 2.4   | 3.5    | 4.5   |
| 77.5°  | 6.6  | 6.6    | 6.6  | 5.6    | 3.9  | 2.2    | 2.0  | 3.3    | 4.6   | 5.9    | 6.0   |
| 75°    | 6.6  | 6.6    | 6.6  | 5.5    | 3.6  | 3.3    | 3.7  | 5.2    | 6.5   | 5.4    | 3.5   |
| 72.5°  | 6.6  | 6.6    | 6.6  | 5.3    | 4.2  | 4.3    | 5.3  | 6.5    | 5.6   | 3.8    | 1.1   |
| 70°    | 6.6  | 6.6    | 6.6  | 5.3    | 4.7  | 5.3    | 6.6  | 6.2    | 4.8   | 2.5    | 3.0   |
| 67.5°  | 6.6  | 6.6    | 6.6  | 5.5    | 5.3  | 6.2    | 6.8  | 6.1    | 4.3   | 5.1    | 5.9   |
| 65°    | 6.6  | 6.6    | 6.6  | 5.7    | 5.7  | 6.8    | 7.1  | 6.0    | 6.6   | 7.7    | 8.2   |
| 62.5°  | 6.6  | 6.6    | 6.6  | 5.9    | 6.2  | 7.4    | 7.4  | 7.5    | 8.9   | 10.1   | 9.1   |
| 60°    | 6.6  | 6.6    | 6.6  | 6.1    | 6.6  | 7.9    | 7.9  | 9.5    | 11.2  | 11.6   | 10.4  |
| 57.5°  | 6.6  | 6.6    | 6.7  | 6.3    | 7.2  | 8.6    | 9.4  | 11.5   | 13.2  | 13.3   | 13.0  |
| 55°    | 6.6  | 6.6    | 6.8  | 6.4    | 7.9  | 9.3    | 11.1 | 13.5   | 15.1  | 15.4   | 16.1  |
| 52.5°  | 6.6  | 6.6    | 6.9  | 6.5    | 8.6  | 10.2   | 12.8 | 15.4   | 17.3  | 18.2   | 19.3  |
| 50°    | 6.6  | 6.6    | 7.0  | 6.6    | 9.4  | 11.5   | 14.4 | 17.3   | 19.7  | 21.0   | 22.4  |
| 47.5°  | 6.6  | 6.6    | 7.2  | 6.7    | 10.1 | 12.8   | 16.0 | 19.1   | 22.1  | 23.8   | 25.5  |
| 45°    | 6.6  | 6.6    | 7.4  | 7.4    | 10.9 | 14.1   | 17.6 | 20.9   | 24.4  | 26.6   | 28.5  |
| 42.5°  | 6.6  | 6.6    | 7.6  | 8.0    | 11.8 | 15.4   | 19.1 | 22.9   | 26.9  | 29.3   | 34.6  |
| 40°    | 6.6  | 6.6    | 7.9  | 8.8    | 12.7 | 16.6   | 20.5 | 25.2   | 29.5  | 32.1   | 41.3  |
| 37.5°  | 6.6  | 6.6    | 8.1  | 9.7    | 13.7 | 17.8   | 22.0 | 27.5   | 32.3  | 36.4   | 48.1  |
| 35°    | 6.6  | 6.6    | 8.4  | 10.6   | 14.6 | 19.0   | 23.3 | 29.9   | 35.2  | 44.8   | 61.3  |
| 32.5°  | 6.6  | 6.6    | 8.7  | 11.4   | 15.5 | 20.1   | 24.9 | 32.4   | 38.2  | 54.6   | 87.4  |
| 30°    | 6.6  | 6.6    | 9.0  | 12.2   | 16.3 | 21.1   | 26.9 | 34.9   | 41.4  | 65.8   | 112.9 |
| 27.5°  | 6.6  | 6.6    | 9.4  | 13.0   | 17.3 | 22.2   | 28.8 | 37.5   | 46.9  | 78.2   | 137.5 |
| 25°    | 6.6  | 6.6    | 9.7  | 13.8   | 18.4 | 23.1   | 30.8 | 40.1   | 56.5  | 96.3   | 161.6 |
| 22.5°  | 6.6  | 6.6    | 10.1 | 14.6   | 19.4 | 24.2   | 32.7 | 42.7   | 66.6  | 116.3  | 193.6 |
| 20°    | 6.6  | 6.6    | 10.5 | 15.3   | 20.3 | 25.4   | 34.6 | 45.3   | 77.1  | 135.2  | 225.3 |
| 17.5°  | 6.6  | 6.6    | 10.8 | 16.0   | 21.3 | 26.5   | 36.5 | 47.9   | 87.7  | 153.0  | 256.4 |
| 15°    | 6.6  | 6.6    | 11.2 | 16.6   | 22.1 | 27.6   | 38.4 | 51.2   | 98.5  | 169.7  | 286.7 |
| 12.5°  | 6.6  | 6.6    | 11.6 | 17.3   | 23.0 | 28.7   | 40.1 | 55.8   | 110.4 | 185.2  | 315.7 |
| 10°    | 6.6  | 6.6    | 12.0 | 17.9   | 23.8 | 29.7   | 41.6 | 60.6   | 123.0 | 203.2  | 344.8 |
| 7.5°   | 6.6  | 6.6    | 12.3 | 18.4   | 24.5 | 30.6   | 43.1 | 65.5   | 135.1 | 220.8  | 375.4 |
| 5°     | 6.6  | 6.6    | 12.7 | 19.0   | 25.2 | 31.5   | 44.3 | 70.4   | 146.3 | 237.0  | 403.5 |
| 2.5°   | 6.6  | 6.6    | 13.0 | 19.4   | 25.9 | 32.3   | 45.4 | 75.1   | 156.6 | 251.9  | 428.7 |
| 0°     | 6.6  | 6.6    | 13.3 | 19.9   | 26.5 | 33.1   | 46.4 | 79.5   | 165.7 | 265.1  | 450.6 |
| -2.5°  | 6.6  | 6.6    | 13.3 | 19.9   | 26.5 | 33.1   | 46.4 | 79.5   | 165.7 | 265.1  | 450.6 |
| -5°    | 6.6  | 6.6    | 13.2 | 19.8   | 27.5 | 34.5   | 51.3 | 95.0   | 177.5 | 304.4  | 486.5 |
| -7.5°  | 6.6  | 6.6    | 13.2 | 19.7   | 28.0 | 35.0   | 53.4 | 101.5  | 181.7 | 319.3  | 499.1 |
| -10°   | 6.6  | 6.6    | 13.1 | 19.6   | 28.3 | 35.5   | 55.1 | 106.8  | 184.7 | 330.1  | 508.4 |
| -12.5° | 6.6  | 6.6    | 13.0 | 19.4   | 28.5 | 36.0   | 56.4 | 110.8  | 186.8 | 335.8  | 515.7 |
| -15°   | 6.6  | 6.6    | 12.8 | 19.2   | 28.6 | 36.3   | 57.2 | 113.2  | 190.7 | 335.2  | 518.3 |
| -17.5° | 6.6  | 6.6    | 12.7 | 19.0   | 28.5 | 36.6   | 57.5 | 115.6  | 196.4 | 331.8  | 515.1 |
| -20°   | 6.6  | 6.6    | 12.5 | 18.7   | 28.3 | 36.9   | 59.0 | 118.0  | 200.1 | 325.7  | 505.6 |

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70°  | -67.5° | -65°  |
|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| -22.5° | 6.6  | 6.6    | 12.3 | 18.4   | 28.0 | 37.0   | 62.8 | 119.1  | 201.8 | 317.0  | 489.5 |
| -25°   | 6.6  | 6.6    | 12.0 | 18.0   | 27.5 | 39.4   | 65.9 | 118.7  | 201.2 | 305.8  | 466.6 |
| -27.5° | 6.6  | 6.6    | 11.8 | 17.7   | 26.8 | 42.5   | 68.3 | 116.9  | 198.3 | 296.2  | 449.9 |
| -30°   | 6.6  | 6.6    | 11.5 | 17.2   | 26.2 | 45.2   | 69.9 | 113.7  | 194.6 | 291.9  | 431.0 |
| -32.5° | 6.6  | 6.6    | 11.2 | 16.8   | 27.2 | 47.4   | 70.8 | 113.9  | 189.9 | 284.6  | 409.8 |
| -35°   | 6.6  | 6.6    | 10.9 | 16.3   | 27.9 | 49.1   | 72.7 | 114.5  | 183.3 | 274.4  | 386.2 |
| -37.5° | 6.6  | 6.6    | 10.5 | 15.8   | 28.3 | 50.2   | 74.7 | 114.1  | 174.8 | 261.1  | 375.6 |
| -40°   | 6.6  | 6.6    | 10.2 | 15.2   | 28.5 | 50.6   | 75.8 | 112.5  | 164.5 | 248.3  | 363.9 |
| -42.5° | 6.6  | 6.6    | 9.8  | 14.9   | 28.7 | 50.6   | 76.2 | 109.9  | 158.6 | 238.0  | 345.8 |
| -45°   | 6.6  | 6.6    | 9.4  | 15.0   | 28.9 | 50.2   | 75.8 | 107.6  | 154.3 | 225.3  | 323.2 |
| -47.5° | 6.6  | 6.6    | 8.9  | 14.9   | 28.7 | 49.5   | 74.7 | 106.0  | 148.8 | 210.1  | 305.3 |
| -50°   | 6.6  | 6.6    | 8.5  | 14.7   | 28.2 | 48.3   | 73.1 | 103.4  | 144.4 | 204.7  | 284.0 |
| -52.5° | 6.6  | 6.6    | 8.1  | 14.4   | 27.3 | 46.8   | 71.1 | 99.8   | 140.7 | 197.4  | 261.2 |
| -55°   | 6.6  | 6.6    | 7.6  | 14.0   | 26.2 | 44.9   | 68.6 | 95.3   | 136.1 | 188.5  | 250.3 |
| -57.5° | 6.6  | 6.6    | 7.1  | 13.5   | 24.7 | 42.5   | 65.5 | 91.3   | 129.7 | 179.1  | 237.4 |
| -60°   | 6.6  | 6.6    | 6.6  | 12.9   | 23.0 | 39.6   | 61.9 | 86.8   | 121.6 | 167.9  | 222.5 |
| -62.5° | 6.6  | 6.6    | 6.6  | 12.2   | 21.7 | 36.3   | 56.9 | 80.9   | 111.5 | 154.6  | 205.2 |
| -65°   | 6.6  | 6.6    | 6.6  | 11.4   | 20.3 | 32.5   | 51.3 | 73.3   | 99.3  | 137.2  | 185.5 |
| -67.5° | 6.6  | 6.6    | 6.6  | 10.5   | 18.7 | 29.2   | 45.2 | 64.3   | 85.2  | 116.8  | 159.4 |
| -70°   | 6.6  | 6.6    | 6.6  | 9.6    | 17.0 | 26.5   | 38.5 | 54.8   | 73.0  | 94.2   | 128.8 |
| -72.5° | 6.6  | 6.6    | 6.6  | 9.3    | 15.2 | 23.6   | 34.0 | 44.8   | 60.2  | 78.1   | 98.6  |
| -75°   | 6.6  | 6.6    | 6.6  | 9.3    | 13.2 | 20.6   | 29.6 | 37.8   | 46.9  | 61.6   | 78.4  |
| -77.5° | 6.6  | 6.6    | 6.6  | 9.2    | 12.5 | 17.4   | 25.0 | 31.8   | 38.9  | 46.6   | 57.5  |
| -80°   | 6.6  | 6.6    | 6.6  | 9.0    | 12.1 | 15.7   | 20.2 | 25.6   | 31.3  | 37.6   | 44.2  |
| -82.5° | 6.6  | 6.6    | 6.6  | 8.9    | 11.6 | 14.7   | 18.3 | 20.8   | 23.6  | 28.3   | 33.4  |
| -85°   | 6.6  | 6.6    | 6.6  | 8.7    | 11.1 | 13.7   | 16.7 | 18.9   | 21.1  | 23.2   | 25.4  |
| -87.5° | 6.6  | 6.6    | 6.6  | 8.5    | 10.5 | 12.7   | 15.0 | 16.9   | 18.8  | 20.8   | 22.7  |
| -90°   | 6.6  | 6.6    | 6.6  | 6.6    | 6.6  | 6.6    | 6.6  | 4.9    | 3.3   | 1.6    | 0.0   |





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 CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60°   | -57.5° | -55°   | -52.5° | -50°   | -47.5° | -45°   | -42.5° | -40°   | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 21.6   | 23.2   | 24.9   |
| 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    | 0.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 1.9    | 1.7    | 1.1    | 0.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 4.4    | 3.5    | 1.6    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 3.8    | 1.9    | 0.7    | 0.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 1.4    | 0.1    | 0.4    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 1.1    | 1.9    | 1.8    | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 3.7    | 4.0    | 2.7    | 1.1    | 0.0    | 0.4    | 1.0    | 0.7    | 0.0    | 0.3    | 0.8    |
| 67.5°  | 6.1    | 4.6    | 3.0    | 1.9    | 2.5    | 3.3    | 3.1    | 3.3    | 3.6    | 3.9    | 3.4    |
| 65°    | 6.4    | 4.9    | 5.0    | 5.8    | 6.5    | 7.2    | 7.7    | 8.2    | 6.9    | 6.0    | 6.1    |
| 62.5°  | 6.9    | 7.5    | 8.6    | 9.7    | 10.7   | 11.6   | 11.6   | 10.3   | 7.8    | 9.8    | 11.2   |
| 60°    | 9.8    | 10.9   | 12.2   | 13.6   | 14.9   | 15.6   | 14.9   | 15.0   | 16.7   | 19.4   | 37.2   |
| 57.5°  | 13.3   | 14.2   | 15.8   | 17.9   | 19.8   | 20.1   | 20.6   | 22.4   | 52.5   | 85.8   | 94.8   |
| 55°    | 16.8   | 17.5   | 20.3   | 23.5   | 25.5   | 25.3   | 36.4   | 76.6   | 115.7  | 160.2  | 176.7  |
| 52.5°  | 20.2   | 21.6   | 26.3   | 30.3   | 32.8   | 51.1   | 92.1   | 146.8  | 204.4  | 255.5  | 321.6  |
| 50°    | 23.6   | 28.4   | 33.3   | 39.1   | 62.3   | 110.1  | 170.0  | 244.6  | 331.4  | 413.2  | 497.0  |
| 47.5°  | 29.5   | 35.5   | 43.0   | 61.7   | 123.0  | 189.2  | 272.1  | 392.1  | 499.2  | 598.2  | 713.0  |
| 45°    | 36.4   | 49.0   | 57.3   | 122.1  | 193.3  | 278.8  | 419.1  | 565.9  | 663.0  | 795.5  | 998.6  |
| 42.5°  | 43.6   | 67.8   | 109.5  | 184.5  | 271.2  | 409.1  | 583.1  | 708.2  | 837.4  | 1052.1 | 1265.7 |
| 40°    | 62.8   | 90.9   | 165.2  | 254.4  | 364.3  | 565.3  | 743.9  | 885.5  | 1062.1 | 1300.0 | 1523.1 |
| 37.5°  | 86.0   | 138.8  | 222.0  | 328.9  | 510.3  | 730.6  | 921.9  | 1124.2 | 1327.1 | 1551.5 | 1965.2 |
| 35°    | 111.9  | 183.2  | 294.0  | 438.2  | 656.4  | 913.9  | 1142.0 | 1368.0 | 1601.9 | 2043.7 | 2454.2 |
| 32.5°  | 145.6  | 224.1  | 369.2  | 565.3  | 814.3  | 1097.0 | 1361.8 | 1623.0 | 1998.1 | 2498.1 | 2910.1 |
| 30°    | 181.9  | 289.8  | 455.8  | 682.9  | 962.9  | 1264.7 | 1583.0 | 1899.3 | 2395.8 | 2809.6 | 3256.8 |
| 27.5°  | 219.8  | 359.2  | 557.4  | 805.8  | 1102.1 | 1422.9 | 1782.1 | 2233.4 | 2676.2 | 3085.1 | 3576.5 |
| 25°    | 258.7  | 431.5  | 650.2  | 923.3  | 1239.1 | 1593.9 | 2007.1 | 2556.8 | 2903.2 | 3355.0 | 3867.7 |
| 22.5°  | 308.8  | 500.7  | 742.2  | 1029.8 | 1366.1 | 1769.6 | 2296.6 | 2848.6 | 3256.2 | 3636.2 | 4137.1 |
| 20°    | 366.7  | 578.6  | 842.2  | 1163.3 | 1490.4 | 1941.3 | 2584.4 | 3165.0 | 3644.5 | 4079.6 | 4539.7 |
| 17.5°  | 420.8  | 651.4  | 949.2  | 1299.6 | 1671.4 | 2161.3 | 2866.9 | 3509.4 | 4037.1 | 4521.9 | 5096.3 |
| 15°    | 470.8  | 718.7  | 1054.0 | 1428.5 | 1849.3 | 2413.3 | 3120.1 | 3825.8 | 4428.3 | 4973.9 | 5626.6 |
| 12.5°  | 516.5  | 780.2  | 1154.9 | 1549.2 | 2016.8 | 2630.5 | 3332.8 | 4021.6 | 4683.8 | 5394.7 | 6135.4 |
| 10°    | 557.7  | 835.5  | 1250.3 | 1660.7 | 2172.0 | 2814.3 | 3508.5 | 4184.8 | 4853.0 | 5605.3 | 6428.2 |
| 7.5°   | 601.9  | 887.3  | 1336.8 | 1761.9 | 2313.3 | 2966.0 | 3648.9 | 4315.8 | 4989.7 | 5773.7 | 6618.5 |
| 5°     | 642.8  | 934.8  | 1405.6 | 1834.5 | 2422.5 | 3084.5 | 3754.5 | 4415.2 | 5093.4 | 5899.2 | 6762.6 |
| 2.5°   | 678.6  | 974.8  | 1461.6 | 1891.4 | 2503.5 | 3171.6 | 3823.1 | 4498.2 | 5170.4 | 6001.2 | 6872.7 |
| 0°     | 709.1  | 1007.3 | 1504.3 | 1935.1 | 2564.7 | 3234.0 | 3863.5 | 4552.8 | 5215.5 | 6070.3 | 6945.1 |
| -2.5°  | 728.6  | 1060.5 | 1533.7 | 2011.3 | 2618.1 | 3274.8 | 3899.7 | 4568.0 | 5263.9 | 6092.2 | 7026.4 |
| -5°    | 742.3  | 1103.6 | 1551.4 | 2070.1 | 2653.1 | 3292.8 | 3911.6 | 4556.2 | 5276.8 | 6086.7 | 7038.4 |
| -7.5°  | 750.2  | 1134.0 | 1559.7 | 2103.5 | 2665.4 | 3282.0 | 3891.5 | 4533.8 | 5255.7 | 6065.9 | 6985.7 |
| -10°   | 754.8  | 1143.5 | 1570.9 | 2093.4 | 2649.2 | 3246.5 | 3846.7 | 4481.1 | 5195.6 | 5998.1 | 6885.7 |
| -12.5° | 767.3  | 1137.4 | 1569.0 | 2071.1 | 2614.4 | 3192.8 | 3780.2 | 4397.8 | 5095.4 | 5882.6 | 6747.5 |
| -15°   | 770.4  | 1123.7 | 1550.1 | 2038.3 | 2561.1 | 3122.7 | 3693.1 | 4283.5 | 4971.9 | 5769.9 | 6594.7 |
| -17.5° | 763.5  | 1103.2 | 1513.4 | 1996.5 | 2489.7 | 3037.5 | 3590.6 | 4180.6 | 4856.0 | 5640.0 | 6434.1 |
| -20°   | 745.7  | 1076.4 | 1458.0 | 1947.1 | 2405.1 | 2943.0 | 3488.0 | 4072.6 | 4722.8 | 5459.7 | 6254.5 |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60°   | -57.5° | -55°   | -52.5° | -50°   | -47.5° | -45°   | -42.5° | -40°   | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 716.7  | 1044.1 | 1398.0 | 1878.1 | 2332.0 | 2834.4 | 3367.7 | 3925.4 | 4555.9 | 5225.9 | 6013.0 |
| -25°   | 686.7  | 1007.7 | 1350.7 | 1783.3 | 2244.0 | 2707.6 | 3229.5 | 3745.5 | 4359.9 | 5017.8 | 5716.3 |
| -27.5° | 658.2  | 956.7  | 1301.6 | 1679.4 | 2140.5 | 2572.2 | 3073.2 | 3576.6 | 4139.3 | 4784.3 | 5427.3 |
| -30°   | 621.0  | 901.7  | 1241.6 | 1579.6 | 2016.7 | 2444.6 | 2898.9 | 3394.3 | 3900.3 | 4512.4 | 5145.1 |
| -32.5° | 588.2  | 844.5  | 1173.3 | 1503.5 | 1883.6 | 2301.0 | 2711.0 | 3183.2 | 3677.0 | 4198.8 | 4824.0 |
| -35°   | 566.2  | 810.7  | 1100.9 | 1415.7 | 1747.7 | 2144.8 | 2534.7 | 2945.0 | 3423.3 | 3912.9 | 4461.9 |
| -37.5° | 548.4  | 771.8  | 1024.6 | 1324.1 | 1640.2 | 1980.9 | 2346.0 | 2723.4 | 3140.8 | 3634.5 | 4150.6 |
| -40°   | 520.4  | 728.0  | 968.2  | 1236.8 | 1515.7 | 1825.5 | 2164.4 | 2506.1 | 2867.9 | 3350.2 | 3859.4 |
| -42.5° | 484.6  | 685.7  | 915.0  | 1141.8 | 1396.7 | 1679.5 | 1980.6 | 2302.4 | 2650.1 | 3069.1 | 3537.2 |
| -45°   | 457.0  | 631.5  | 855.9  | 1059.0 | 1269.9 | 1528.6 | 1811.4 | 2102.9 | 2430.8 | 2790.5 | 3211.0 |
| -47.5° | 422.0  | 572.5  | 778.5  | 968.3  | 1154.2 | 1375.0 | 1633.7 | 1909.5 | 2200.0 | 2524.1 | 2868.7 |
| -50°   | 384.5  | 523.4  | 683.8  | 868.7  | 1045.9 | 1229.5 | 1450.1 | 1705.2 | 1968.8 | 2251.3 | 2558.7 |
| -52.5° | 356.0  | 465.9  | 612.3  | 766.2  | 935.1  | 1101.7 | 1289.5 | 1508.3 | 1743.6 | 1979.6 | 2250.1 |
| -55°   | 323.9  | 423.6  | 544.3  | 682.2  | 826.0  | 980.1  | 1151.2 | 1342.8 | 1534.7 | 1751.5 | 1967.3 |
| -57.5° | 301.2  | 382.9  | 487.5  | 607.3  | 736.5  | 867.5  | 1028.9 | 1190.9 | 1368.5 | 1547.9 | 1727.0 |
| -60°   | 283.5  | 347.7  | 434.5  | 540.0  | 655.1  | 777.6  | 910.1  | 1059.7 | 1212.6 | 1359.1 | 1513.8 |
| -62.5° | 263.3  | 319.1  | 387.0  | 473.0  | 577.1  | 683.6  | 800.2  | 928.4  | 1066.8 | 1190.2 | 1310.1 |
| -65°   | 237.1  | 285.6  | 343.8  | 413.9  | 495.6  | 585.6  | 685.0  | 793.1  | 912.7  | 1012.8 | 1110.8 |
| -67.5° | 207.0  | 247.8  | 296.7  | 353.9  | 422.0  | 492.3  | 565.3  | 656.6  | 753.7  | 835.4  | 915.2  |
| -70°   | 169.1  | 207.0  | 246.9  | 293.5  | 347.0  | 406.5  | 470.8  | 537.0  | 603.5  | 670.1  | 743.2  |
| -72.5° | 129.5  | 163.9  | 197.7  | 231.0  | 273.6  | 322.4  | 374.7  | 430.4  | 488.4  | 545.4  | 600.9  |
| -75°   | 98.7   | 121.0  | 150.6  | 180.6  | 210.2  | 242.0  | 277.4  | 321.6  | 375.5  | 430.8  | 481.5  |
| -77.5° | 74.5   | 93.2   | 113.0  | 133.6  | 152.3  | 175.7  | 201.3  | 228.8  | 273.3  | 324.3  | 375.9  |
| -80°   | 53.7   | 65.0   | 80.7   | 97.2   | 110.4  | 123.3  | 136.8  | 150.7  | 183.8  | 224.9  | 268.8  |
| -82.5° | 39.9   | 47.6   | 56.2   | 65.9   | 72.5   | 79.0   | 86.2   | 95.4   | 119.9  | 147.7  | 177.0  |
| -85°   | 27.5   | 29.7   | 34.4   | 39.8   | 43.5   | 47.2   | 51.1   | 55.0   | 68.3   | 83.1   | 99.0   |
| -87.5° | 23.7   | 24.8   | 26.1   | 27.5   | 27.9   | 28.4   | 28.8   | 29.2   | 33.7   | 38.4   | 43.2   |
| -90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -35°   | -32.5° | -30°   | -27.5°  | -25°    | -22.5°  | -20°    | -17.5°  | -15°    | -12.5°  | -10°    |
|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°    | 26.5   | 28.2   | 29.8   | 31.5    | 33.1    | 34.8    | 36.5    | 38.1    | 39.8    | 39.8    | 39.8    |
| 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°    | 0.6    | 0.0    | 0.0    | 0.2     | 0.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 67.5°  | 3.0    | 3.4    | 3.4    | 2.7     | 1.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 65°    | 7.0    | 6.6    | 4.9    | 3.2     | 1.6     | 2.5     | 4.0     | 4.8     | 4.8     | 4.3     | 3.3     |
| 62.5°  | 10.5   | 9.6    | 8.7    | 10.1    | 12.1    | 14.0    | 13.4    | 12.7    | 11.8    | 11.2    | 11.6    |
| 60°    | 39.2   | 26.2   | 30.2   | 38.0    | 35.5    | 24.3    | 39.9    | 45.2    | 38.5    | 26.3    | 25.4    |
| 57.5°  | 99.4   | 95.9   | 109.9  | 160.5   | 176.6   | 160.9   | 192.2   | 233.4   | 232.2   | 199.9   | 198.9   |
| 55°    | 211.7  | 283.9  | 371.2  | 385.4   | 446.1   | 567.9   | 662.7   | 621.1   | 620.9   | 652.1   | 752.8   |
| 52.5°  | 402.0  | 470.2  | 495.7  | 563.5   | 690.4   | 782.6   | 841.8   | 903.1   | 970.3   | 1038.8  | 1108.3  |
| 50°    | 589.9  | 656.2  | 731.4  | 800.9   | 976.7   | 1071.2  | 1055.4  | 1182.4  | 1344.9  | 1446.4  | 1498.5  |
| 47.5°  | 865.3  | 969.7  | 1128.7 | 1377.9  | 1509.1  | 1603.9  | 1721.8  | 1865.6  | 2051.8  | 2304.2  | 2498.8  |
| 45°    | 1189.6 | 1353.8 | 1599.8 | 1864.5  | 2068.0  | 2160.8  | 2295.7  | 2518.4  | 2815.2  | 3104.2  | 3315.3  |
| 42.5°  | 1454.6 | 1679.9 | 1957.4 | 2210.3  | 2376.3  | 2528.6  | 2703.4  | 2891.1  | 3231.1  | 3539.9  | 3783.8  |
| 40°    | 1800.5 | 1976.0 | 2287.3 | 2525.7  | 2674.3  | 2825.3  | 3102.2  | 3383.3  | 3703.1  | 3990.6  | 4190.5  |
| 37.5°  | 2238.8 | 2436.3 | 2760.2 | 3029.7  | 3172.9  | 3226.2  | 3697.1  | 4088.4  | 4348.2  | 4715.4  | 4835.5  |
| 35°    | 2709.8 | 3034.8 | 3447.5 | 3797.0  | 3937.3  | 4217.4  | 4702.5  | 5248.5  | 5840.0  | 6057.7  | 6243.2  |
| 32.5°  | 3235.2 | 3636.2 | 4196.1 | 4571.2  | 4771.4  | 5196.5  | 5810.4  | 6393.2  | 7166.8  | 7586.6  | 7712.1  |
| 30°    | 3715.8 | 4176.0 | 4657.3 | 5021.9  | 5364.2  | 5876.1  | 6435.9  | 7154.5  | 7869.8  | 8406.6  | 8573.3  |
| 27.5°  | 4068.6 | 4577.8 | 5040.4 | 5381.9  | 5768.2  | 6320.0  | 7018.1  | 7745.8  | 8448.0  | 8995.6  | 9190.2  |
| 25°    | 4405.3 | 4980.9 | 5347.2 | 5744.1  | 6197.7  | 6799.1  | 7572.8  | 8381.4  | 9072.9  | 9535.7  | 9774.4  |
| 22.5°  | 4788.3 | 5355.8 | 5749.0 | 6085.2  | 6678.3  | 7371.3  | 8089.4  | 9003.1  | 9735.8  | 10105.2 | 10363.9 |
| 20°    | 5183.5 | 5825.6 | 6433.0 | 6745.8  | 7259.0  | 8136.5  | 8940.4  | 9802.9  | 10510.5 | 10895.3 | 11167.9 |
| 17.5°  | 5735.0 | 6553.3 | 7298.4 | 7741.2  | 8290.7  | 9340.0  | 10343.1 | 11215.6 | 12199.9 | 12547.5 | 12880.5 |
| 15°    | 6316.6 | 7263.7 | 8136.4 | 8838.1  | 9547.9  | 10587.5 | 11878.7 | 12931.7 | 14054.7 | 14556.3 | 15123.3 |
| 12.5°  | 6896.3 | 7792.5 | 8583.2 | 9488.4  | 10488.8 | 11408.4 | 12637.7 | 13948.9 | 14968.0 | 15607.7 | 15989.4 |
| 10°    | 7329.6 | 8162.0 | 8922.9 | 9830.2  | 10828.8 | 11869.0 | 13090.6 | 14434.7 | 15501.5 | 16047.3 | 16358.9 |
| 7.5°   | 7563.6 | 8360.2 | 9162.8 | 10082.2 | 11076.3 | 12184.3 | 13442.9 | 14776.3 | 15867.1 | 16396.0 | 16703.6 |
| 5°     | 7737.3 | 8502.4 | 9333.4 | 10301.3 | 11306.5 | 12429.9 | 13686.7 | 15004.3 | 15998.9 | 16560.9 | 16949.9 |
| 2.5°   | 7842.4 | 8592.5 | 9442.1 | 10442.9 | 11450.5 | 12620.5 | 13938.1 | 15303.9 | 16174.2 | 16626.3 | 16984.1 |
| 0°     | 7872.9 | 8628.4 | 9503.1 | 10517.1 | 11550.9 | 12730.5 | 14036.0 | 15387.9 | 16269.3 | 16706.7 | 17071.2 |
| -2.5°  | 7907.2 | 8685.1 | 9583.8 | 10565.2 | 11590.2 | 12766.5 | 14099.0 | 15416.4 | 16209.2 | 16650.6 | 16997.4 |
| -5°    | 7883.3 | 8689.4 | 9585.5 | 10525.4 | 11557.2 | 12724.1 | 14003.4 | 15235.1 | 16064.5 | 16541.6 | 16886.4 |
| -7.5°  | 7812.0 | 8629.6 | 9516.4 | 10419.7 | 11431.8 | 12611.9 | 13885.9 | 15071.9 | 15912.1 | 16415.3 | 16792.5 |
| -10°   | 7708.2 | 8502.0 | 9394.9 | 10309.7 | 11309.6 | 12433.0 | 13687.3 | 14866.3 | 15670.5 | 16204.7 | 16644.5 |
| -12.5° | 7593.1 | 8370.5 | 9231.1 | 10108.6 | 11097.6 | 12207.1 | 13422.4 | 14538.5 | 15337.8 | 15920.6 | 16234.8 |
| -15°   | 7422.6 | 8199.5 | 9022.3 | 9871.1  | 10835.1 | 11911.4 | 13072.3 | 14143.1 | 14928.1 | 15402.3 | 15749.5 |
| -17.5° | 7205.8 | 7968.0 | 8748.0 | 9553.1  | 10461.4 | 11521.4 | 12689.4 | 13745.3 | 14385.2 | 14808.7 | 15150.0 |
| -20°   | 6973.6 | 7678.4 | 8417.4 | 9177.1  | 10057.4 | 11107.4 | 12254.5 | 13175.6 | 13778.7 | 14185.6 | 14507.9 |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -35°   | -32.5° | -30°   | -27.5° | -25°   | -22.5°  | -20°    | -17.5°  | -15°    | -12.5°  | -10°    |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| -22.5° | 6708.2 | 7387.1 | 8063.5 | 8789.8 | 9652.9 | 10615.6 | 11628.8 | 12518.9 | 13167.3 | 13538.0 | 13835.7 |
| -25°   | 6405.4 | 7065.8 | 7708.1 | 8409.6 | 9202.8 | 10068.2 | 11010.2 | 11884.9 | 12465.7 | 12859.4 | 13154.7 |
| -27.5° | 6079.3 | 6699.7 | 7327.2 | 7957.1 | 8670.2 | 9532.4  | 10404.9 | 11217.4 | 11713.2 | 12110.0 | 12407.1 |
| -30°   | 5753.8 | 6311.8 | 6892.3 | 7488.6 | 8158.0 | 8935.4  | 9751.5  | 10434.8 | 10957.6 | 11343.1 | 11618.9 |
| -32.5° | 5401.0 | 5930.6 | 6444.8 | 7002.2 | 7632.4 | 8317.5  | 9033.7  | 9683.7  | 10242.4 | 10595.5 | 10827.9 |
| -35°   | 5039.7 | 5552.3 | 6023.1 | 6528.9 | 7084.8 | 7676.0  | 8337.1  | 8978.2  | 9529.9  | 9809.3  | 10035.8 |
| -37.5° | 4663.3 | 5174.5 | 5620.8 | 6043.4 | 6522.3 | 7069.8  | 7713.7  | 8325.3  | 8801.9  | 9042.1  | 9246.3  |
| -40°   | 4336.1 | 4786.0 | 5187.8 | 5592.2 | 5981.5 | 6467.7  | 7068.6  | 7660.8  | 8043.2  | 8277.3  | 8466.9  |
| -42.5° | 4018.5 | 4398.0 | 4727.0 | 5089.4 | 5479.1 | 5958.5  | 6443.3  | 6939.8  | 7247.2  | 7507.0  | 7706.8  |
| -45°   | 3648.4 | 3987.7 | 4296.2 | 4597.7 | 4953.0 | 5390.7  | 5831.1  | 6228.8  | 6516.7  | 6767.8  | 6962.3  |
| -47.5° | 3239.2 | 3566.8 | 3866.4 | 4135.9 | 4466.2 | 4831.2  | 5202.0  | 5533.0  | 5817.3  | 6065.4  | 6239.0  |
| -50°   | 2857.8 | 3150.4 | 3443.0 | 3715.8 | 4002.0 | 4297.3  | 4598.1  | 4888.6  | 5158.4  | 5399.5  | 5547.2  |
| -52.5° | 2516.1 | 2786.2 | 3041.8 | 3280.3 | 3530.8 | 3780.3  | 4029.4  | 4295.4  | 4543.7  | 4771.9  | 4889.8  |
| -55°   | 2207.0 | 2450.5 | 2681.2 | 2882.1 | 3083.0 | 3280.9  | 3494.5  | 3740.1  | 3968.7  | 4180.1  | 4264.8  |
| -57.5° | 1929.5 | 2137.8 | 2342.0 | 2511.9 | 2676.0 | 2833.4  | 3020.9  | 3228.2  | 3428.3  | 3609.5  | 3678.7  |
| -60°   | 1674.3 | 1839.6 | 2010.3 | 2161.1 | 2304.1 | 2439.1  | 2602.5  | 2769.5  | 2931.8  | 3068.4  | 3127.4  |
| -62.5° | 1439.5 | 1581.0 | 1710.3 | 1832.8 | 1953.9 | 2075.4  | 2207.4  | 2339.8  | 2470.9  | 2576.1  | 2629.4  |
| -65°   | 1213.1 | 1325.7 | 1429.7 | 1530.4 | 1628.2 | 1730.2  | 1833.5  | 1934.2  | 2031.2  | 2106.4  | 2152.6  |
| -67.5° | 1000.6 | 1086.2 | 1168.7 | 1247.2 | 1329.0 | 1411.7  | 1492.6  | 1569.6  | 1642.5  | 1700.7  | 1744.8  |
| -70°   | 812.3  | 878.5  | 943.1  | 1008.1 | 1076.4 | 1140.7  | 1201.5  | 1259.2  | 1313.4  | 1355.3  | 1389.3  |
| -72.5° | 654.7  | 708.5  | 764.2  | 822.8  | 878.0  | 926.0   | 969.8   | 1011.9  | 1052.3  | 1076.0  | 1093.6  |
| -75°   | 527.8  | 573.1  | 621.6  | 668.9  | 715.0  | 751.6   | 783.7   | 814.8   | 844.7   | 846.3   | 840.3   |
| -77.5° | 426.4  | 466.8  | 504.4  | 541.6  | 578.4  | 600.9   | 620.6   | 640.8   | 661.3   | 649.5   | 630.7   |
| -80°   | 313.0  | 346.6  | 378.5  | 410.6  | 442.6  | 455.9   | 465.2   | 473.3   | 480.1   | 464.6   | 445.5   |
| -82.5° | 207.7  | 228.9  | 249.6  | 270.7  | 292.1  | 300.7   | 307.0   | 312.3   | 316.5   | 302.5   | 286.3   |
| -85°   | 115.9  | 126.1  | 136.1  | 146.2  | 156.3  | 162.3   | 167.8   | 172.8   | 177.4   | 169.1   | 159.6   |
| -87.5° | 48.2   | 50.5   | 52.7   | 54.9   | 57.1   | 59.2    | 61.3    | 63.4    | 65.4    | 65.7    | 65.9    |
| -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: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°   | -5°     | -2.5°   | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°     | 17.5°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 39.8    | 38.1    |
| 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°    | 2.0     | 0.3     | 0.0     | 0.0     | 0.0     | 0.3     | 2.0     | 3.3     | 4.3     | 4.8     | 4.8     |
| 62.5°  | 12.2    | 12.7    | 13.1    | 13.3    | 13.1    | 12.7    | 12.2    | 11.6    | 11.2    | 11.8    | 12.7    |
| 60°    | 23.4    | 20.5    | 19.8    | 19.9    | 19.8    | 20.5    | 23.4    | 25.4    | 26.3    | 38.5    | 45.2    |
| 57.5°  | 183.7   | 157.2   | 161.2   | 178.9   | 161.2   | 157.2   | 183.7   | 198.9   | 199.9   | 232.2   | 233.4   |
| 55°    | 858.5   | 958.4   | 993.7   | 974.2   | 993.7   | 958.4   | 858.5   | 752.8   | 652.1   | 620.9   | 621.1   |
| 52.5°  | 1163.2  | 1204.1  | 1219.9  | 1219.4  | 1219.9  | 1204.1  | 1163.2  | 1108.3  | 1038.8  | 970.3   | 903.1   |
| 50°    | 1514.3  | 1500.5  | 1479.1  | 1457.9  | 1479.1  | 1500.5  | 1514.3  | 1498.5  | 1446.4  | 1344.9  | 1182.4  |
| 47.5°  | 2527.2  | 2483.4  | 2464.9  | 2498.4  | 2464.9  | 2483.4  | 2527.2  | 2498.8  | 2304.2  | 2051.8  | 1865.6  |
| 45°    | 3358.4  | 3409.7  | 3448.0  | 3446.0  | 3448.0  | 3409.7  | 3358.4  | 3315.3  | 3104.2  | 2815.2  | 2518.4  |
| 42.5°  | 3831.6  | 3858.9  | 3866.8  | 3856.9  | 3866.8  | 3858.9  | 3831.6  | 3783.8  | 3539.9  | 3231.1  | 2891.1  |
| 40°    | 4253.3  | 4285.9  | 4304.3  | 4320.8  | 4304.3  | 4285.9  | 4253.3  | 4190.5  | 3990.6  | 3703.1  | 3383.3  |
| 37.5°  | 4875.1  | 4887.1  | 4861.0  | 4844.3  | 4861.0  | 4887.1  | 4875.1  | 4835.5  | 4715.4  | 4348.2  | 4088.4  |
| 35°    | 6399.5  | 6430.8  | 6358.5  | 6434.8  | 6358.5  | 6430.8  | 6399.5  | 6243.2  | 6057.7  | 5840.0  | 5248.5  |
| 32.5°  | 7861.5  | 8007.9  | 8126.2  | 8224.1  | 8126.2  | 8007.9  | 7861.5  | 7712.1  | 7586.6  | 7166.8  | 6393.2  |
| 30°    | 8689.7  | 8784.1  | 8834.8  | 8847.1  | 8834.8  | 8784.1  | 8689.7  | 8573.3  | 8406.6  | 7869.8  | 7154.5  |
| 27.5°  | 9297.8  | 9396.7  | 9458.3  | 9503.1  | 9458.3  | 9396.7  | 9297.8  | 9190.2  | 8995.6  | 8448.0  | 7745.8  |
| 25°    | 9883.8  | 9974.3  | 10035.8 | 10059.8 | 10035.8 | 9974.3  | 9883.8  | 9774.4  | 9535.7  | 9072.9  | 8381.4  |
| 22.5°  | 10491.9 | 10554.8 | 10614.0 | 10643.0 | 10614.0 | 10554.8 | 10491.9 | 10363.9 | 10105.2 | 9735.8  | 9003.1  |
| 20°    | 11363.6 | 11329.5 | 11383.5 | 11365.3 | 11383.5 | 11329.5 | 11363.6 | 11167.9 | 10895.3 | 10510.5 | 9802.9  |
| 17.5°  | 13140.2 | 13158.7 | 13194.7 | 13254.0 | 13194.7 | 13158.7 | 13140.2 | 12880.5 | 12547.5 | 12199.9 | 11215.6 |
| 15°    | 15374.5 | 15419.5 | 15648.0 | 15851.8 | 15648.0 | 15419.5 | 15374.5 | 15123.3 | 14556.3 | 14054.7 | 12931.7 |
| 12.5°  | 16343.6 | 16499.2 | 16523.4 | 16580.8 | 16523.4 | 16499.2 | 16343.6 | 15989.4 | 15607.7 | 14968.0 | 13948.9 |
| 10°    | 16667.1 | 16936.5 | 16930.7 | 16998.3 | 16930.7 | 16936.5 | 16667.1 | 16358.9 | 16047.3 | 15501.5 | 14434.7 |
| 7.5°   | 16912.4 | 17201.7 | 17324.0 | 17376.0 | 17324.0 | 17201.7 | 16912.4 | 16703.6 | 16396.0 | 15867.1 | 14776.3 |
| 5°     | 17212.0 | 17371.1 | 17582.2 | 17521.8 | 17582.2 | 17371.1 | 17212.0 | 16949.9 | 16560.9 | 15998.9 | 15004.3 |
| 2.5°   | 17337.6 | 17586.9 | 17529.3 | 17588.1 | 17529.3 | 17586.9 | 17337.6 | 16984.1 | 16626.3 | 16174.2 | 15303.9 |
| 0°     | 17422.4 | 17601.4 | 17627.9 | 17687.5 | 17627.9 | 17601.4 | 17422.4 | 17071.2 | 16706.7 | 16269.3 | 15387.9 |
| -2.5°  | 17319.6 | 17477.1 | 17752.9 | 17667.6 | 17752.9 | 17477.1 | 17319.6 | 16997.4 | 16650.6 | 16209.2 | 15416.4 |
| -5°    | 17229.6 | 17617.1 | 17466.6 | 17654.4 | 17466.6 | 17617.1 | 17229.6 | 16886.4 | 16541.6 | 16064.5 | 15235.1 |
| -7.5°  | 17183.0 | 17252.4 | 17352.2 | 17495.3 | 17352.2 | 17252.4 | 17183.0 | 16792.5 | 16415.3 | 15912.1 | 15071.9 |
| -10°   | 16823.4 | 16894.2 | 17077.8 | 17177.2 | 17077.8 | 16894.2 | 16823.4 | 16644.5 | 16204.7 | 15670.5 | 14866.3 |
| -12.5° | 16433.2 | 16570.5 | 16763.3 | 16826.0 | 16763.3 | 16570.5 | 16433.2 | 16234.8 | 15920.6 | 15337.8 | 14538.5 |
| -15°   | 15983.9 | 16187.8 | 16375.7 | 16415.1 | 16375.7 | 16187.8 | 15983.9 | 15749.5 | 15402.3 | 14928.1 | 14143.1 |
| -17.5° | 15412.5 | 15656.9 | 15854.4 | 15898.2 | 15854.4 | 15656.9 | 15412.5 | 15150.0 | 14808.7 | 14385.2 | 13745.3 |
| -20°   | 14782.8 | 15017.0 | 15184.9 | 15235.5 | 15184.9 | 15017.0 | 14782.8 | 14507.9 | 14185.6 | 13778.7 | 13175.6 |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°   | -5°     | -2.5°   | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°     | 17.5°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -22.5° | 14108.7 | 14319.6 | 14461.5 | 14440.3 | 14461.5 | 14319.6 | 14108.7 | 13835.7 | 13538.0 | 13167.3 | 12518.9 |
| -25°   | 13393.0 | 13588.6 | 13723.9 | 13704.7 | 13723.9 | 13588.6 | 13393.0 | 13154.7 | 12859.4 | 12465.7 | 11884.9 |
| -27.5° | 12636.3 | 12821.7 | 12951.6 | 12955.8 | 12951.6 | 12821.7 | 12636.3 | 12407.1 | 12110.0 | 11713.2 | 11217.4 |
| -30°   | 11841.3 | 12009.6 | 12115.2 | 12074.4 | 12115.2 | 12009.6 | 11841.3 | 11618.9 | 11343.1 | 10957.6 | 10434.8 |
| -32.5° | 11021.2 | 11173.5 | 11270.3 | 11299.1 | 11270.3 | 11173.5 | 11021.2 | 10827.9 | 10595.5 | 10242.4 | 9683.7  |
| -35°   | 10212.4 | 10346.6 | 10430.1 | 10450.8 | 10430.1 | 10346.6 | 10212.4 | 10035.8 | 9809.3  | 9529.9  | 8978.2  |
| -37.5° | 9408.7  | 9524.2  | 9582.6  | 9556.2  | 9582.6  | 9524.2  | 9408.7  | 9246.3  | 9042.1  | 8801.9  | 8325.3  |
| -40°   | 8614.5  | 8724.5  | 8791.4  | 8807.3  | 8791.4  | 8724.5  | 8614.5  | 8466.9  | 8277.3  | 8043.2  | 7660.8  |
| -42.5° | 7833.7  | 7925.2  | 7983.9  | 8012.1  | 7983.9  | 7925.2  | 7833.7  | 7706.8  | 7507.0  | 7247.2  | 6939.8  |
| -45°   | 7075.9  | 7157.6  | 7212.7  | 7243.3  | 7212.7  | 7157.6  | 7075.9  | 6962.3  | 6767.8  | 6516.7  | 6228.8  |
| -47.5° | 6338.7  | 6410.4  | 6457.9  | 6481.2  | 6457.9  | 6410.4  | 6338.7  | 6239.0  | 6065.4  | 5817.3  | 5533.0  |
| -50°   | 5633.6  | 5695.7  | 5740.0  | 5765.5  | 5740.0  | 5695.7  | 5633.6  | 5547.2  | 5399.5  | 5158.4  | 4888.6  |
| -52.5° | 4965.0  | 5019.2  | 5057.0  | 5076.3  | 5057.0  | 5019.2  | 4965.0  | 4889.8  | 4771.9  | 4543.7  | 4295.4  |
| -55°   | 4326.6  | 4370.6  | 4405.4  | 4426.8  | 4405.4  | 4370.6  | 4326.6  | 4264.8  | 4180.1  | 3968.7  | 3740.1  |
| -57.5° | 3731.2  | 3767.1  | 3800.2  | 3823.8  | 3800.2  | 3767.1  | 3731.2  | 3678.7  | 3609.5  | 3428.3  | 3228.2  |
| -60°   | 3173.9  | 3207.8  | 3236.0  | 3253.9  | 3236.0  | 3207.8  | 3173.9  | 3127.4  | 3068.4  | 2931.8  | 2769.5  |
| -62.5° | 2671.0  | 2701.0  | 2726.8  | 2743.6  | 2726.8  | 2701.0  | 2671.0  | 2629.4  | 2576.1  | 2470.9  | 2339.8  |
| -65°   | 2188.9  | 2215.8  | 2235.0  | 2246.6  | 2235.0  | 2215.8  | 2188.9  | 2152.6  | 2106.4  | 2031.2  | 1934.2  |
| -67.5° | 1782.5  | 1813.5  | 1819.7  | 1815.8  | 1819.7  | 1813.5  | 1782.5  | 1744.8  | 1700.7  | 1642.5  | 1569.6  |
| -70°   | 1419.7  | 1445.9  | 1452.1  | 1451.3  | 1452.1  | 1445.9  | 1419.7  | 1389.3  | 1355.3  | 1313.4  | 1259.2  |
| -72.5° | 1110.1  | 1124.4  | 1112.2  | 1093.5  | 1112.2  | 1124.4  | 1110.1  | 1093.6  | 1076.0  | 1052.3  | 1011.9  |
| -75°   | 833.0   | 823.9   | 811.0   | 795.2   | 811.0   | 823.9   | 833.0   | 840.3   | 846.3   | 844.7   | 814.8   |
| -77.5° | 610.1   | 587.5   | 572.8   | 556.7   | 572.8   | 587.5   | 610.1   | 630.7   | 649.5   | 661.3   | 640.8   |
| -80°   | 424.8   | 402.6   | 387.3   | 371.1   | 387.3   | 402.6   | 424.8   | 445.5   | 464.6   | 480.1   | 473.3   |
| -82.5° | 269.1   | 250.8   | 241.6   | 231.9   | 241.6   | 250.8   | 269.1   | 286.3   | 302.5   | 316.5   | 312.3   |
| -85°   | 149.5   | 138.7   | 132.4   | 125.9   | 132.4   | 138.7   | 149.5   | 159.6   | 169.1   | 177.4   | 172.8   |
| -87.5° | 66.1    | 66.2    | 62.9    | 59.6    | 62.9    | 66.2    | 66.1    | 65.9    | 65.7    | 65.4    | 63.4    |
| -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: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 20°     | 22.5°   | 25°     | 27.5°   | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 36.5    | 34.8    | 33.1    | 31.5    | 29.8   | 28.2   | 26.5   | 24.9   | 23.2   | 21.6   | 19.9   |
| 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     | 0.2     | 0.2     | 0.0    | 0.0    | 0.6    | 0.8    | 0.3    | 0.0    | 0.7    |
| 67.5°  | 0.0     | 0.0     | 1.2     | 2.7     | 3.4    | 3.4    | 3.0    | 3.4    | 3.9    | 3.6    | 3.3    |
| 65°    | 4.0     | 2.5     | 1.6     | 3.2     | 4.9    | 6.6    | 7.0    | 6.1    | 6.0    | 6.9    | 8.2    |
| 62.5°  | 13.4    | 14.0    | 12.1    | 10.1    | 8.7    | 9.6    | 10.5   | 11.2   | 9.8    | 7.8    | 10.3   |
| 60°    | 39.9    | 24.3    | 35.5    | 38.0    | 30.2   | 26.2   | 39.2   | 37.2   | 19.4   | 16.7   | 15.0   |
| 57.5°  | 192.2   | 160.9   | 176.6   | 160.5   | 109.9  | 95.9   | 99.4   | 94.8   | 85.8   | 52.5   | 22.4   |
| 55°    | 662.7   | 567.9   | 446.1   | 385.4   | 371.2  | 283.9  | 211.7  | 176.7  | 160.2  | 115.7  | 76.6   |
| 52.5°  | 841.8   | 782.6   | 690.4   | 563.5   | 495.7  | 470.2  | 402.0  | 321.6  | 255.5  | 204.4  | 146.8  |
| 50°    | 1055.4  | 1071.2  | 976.7   | 800.9   | 731.4  | 656.2  | 589.9  | 497.0  | 413.2  | 331.4  | 244.6  |
| 47.5°  | 1721.8  | 1603.9  | 1509.1  | 1377.9  | 1128.7 | 969.7  | 865.3  | 713.0  | 598.2  | 499.2  | 392.1  |
| 45°    | 2295.7  | 2160.8  | 2068.0  | 1864.5  | 1599.8 | 1353.8 | 1189.6 | 998.6  | 795.5  | 663.0  | 565.9  |
| 42.5°  | 2703.4  | 2528.6  | 2376.3  | 2210.3  | 1957.4 | 1679.9 | 1454.6 | 1265.7 | 1052.1 | 837.4  | 708.2  |
| 40°    | 3102.2  | 2825.3  | 2674.3  | 2525.7  | 2287.3 | 1976.0 | 1800.5 | 1523.1 | 1300.0 | 1062.1 | 885.5  |
| 37.5°  | 3697.1  | 3226.2  | 3172.9  | 3029.7  | 2760.2 | 2436.3 | 2238.8 | 1965.2 | 1551.5 | 1327.1 | 1124.2 |
| 35°    | 4702.5  | 4217.4  | 3937.3  | 3797.0  | 3447.5 | 3034.8 | 2709.8 | 2454.2 | 2043.7 | 1601.9 | 1368.0 |
| 32.5°  | 5810.4  | 5196.5  | 4771.4  | 4571.2  | 4196.1 | 3636.2 | 3235.2 | 2910.1 | 2498.1 | 1998.1 | 1623.0 |
| 30°    | 6435.9  | 5876.1  | 5364.2  | 5021.9  | 4657.3 | 4176.0 | 3715.8 | 3256.8 | 2809.6 | 2395.8 | 1899.3 |
| 27.5°  | 7018.1  | 6320.0  | 5768.2  | 5381.9  | 5040.4 | 4577.8 | 4068.6 | 3576.5 | 3085.1 | 2676.2 | 2233.4 |
| 25°    | 7572.8  | 6799.1  | 6197.7  | 5744.1  | 5347.2 | 4980.9 | 4405.3 | 3867.7 | 3355.0 | 2903.2 | 2556.8 |
| 22.5°  | 8089.4  | 7371.3  | 6678.3  | 6085.2  | 5749.0 | 5355.8 | 4788.3 | 4137.1 | 3636.2 | 3256.2 | 2848.6 |
| 20°    | 8940.4  | 8136.5  | 7259.0  | 6745.8  | 6433.0 | 5825.6 | 5183.5 | 4539.7 | 4079.6 | 3644.5 | 3165.0 |
| 17.5°  | 10343.1 | 9340.0  | 8290.7  | 7741.2  | 7298.4 | 6553.3 | 5735.0 | 5096.3 | 4521.9 | 4037.1 | 3509.4 |
| 15°    | 11878.7 | 10587.5 | 9547.9  | 8838.1  | 8136.4 | 7263.7 | 6316.6 | 5626.6 | 4973.9 | 4428.3 | 3825.8 |
| 12.5°  | 12637.7 | 11408.4 | 10488.8 | 9488.4  | 8583.2 | 7792.5 | 6896.3 | 6135.4 | 5394.7 | 4683.8 | 4021.6 |
| 10°    | 13090.6 | 11869.0 | 10828.8 | 9830.2  | 8922.9 | 8162.0 | 7329.6 | 6428.2 | 5605.3 | 4853.0 | 4184.8 |
| 7.5°   | 13442.9 | 12184.3 | 11076.3 | 10082.2 | 9162.8 | 8360.2 | 7563.6 | 6618.5 | 5773.7 | 4989.7 | 4315.8 |
| 5°     | 13686.7 | 12429.9 | 11306.5 | 10301.3 | 9333.4 | 8502.4 | 7737.3 | 6762.6 | 5899.2 | 5093.4 | 4415.2 |
| 2.5°   | 13938.1 | 12620.5 | 11450.5 | 10442.9 | 9442.1 | 8592.5 | 7842.4 | 6872.7 | 6001.2 | 5170.4 | 4498.2 |
| 0°     | 14036.0 | 12730.5 | 11550.9 | 10517.1 | 9503.1 | 8628.4 | 7872.9 | 6945.1 | 6070.3 | 5215.5 | 4552.8 |
| -2.5°  | 14099.0 | 12766.5 | 11590.2 | 10565.2 | 9583.8 | 8685.1 | 7907.2 | 7026.4 | 6092.2 | 5263.9 | 4568.0 |
| -5°    | 14003.4 | 12724.1 | 11557.2 | 10525.4 | 9585.5 | 8689.4 | 7883.3 | 7038.4 | 6086.7 | 5276.8 | 4556.2 |
| -7.5°  | 13885.9 | 12611.9 | 11431.8 | 10419.7 | 9516.4 | 8629.6 | 7812.0 | 6985.7 | 6065.9 | 5255.7 | 4533.8 |
| -10°   | 13687.3 | 12433.0 | 11309.6 | 10309.7 | 9394.9 | 8502.0 | 7708.2 | 6885.7 | 5998.1 | 5195.6 | 4481.1 |
| -12.5° | 13422.4 | 12207.1 | 11097.6 | 10108.6 | 9231.1 | 8370.5 | 7593.1 | 6747.5 | 5882.6 | 5095.4 | 4397.8 |
| -15°   | 13072.3 | 11911.4 | 10835.1 | 9871.1  | 9022.3 | 8199.5 | 7422.6 | 6594.7 | 5769.9 | 4971.9 | 4283.5 |
| -17.5° | 12689.4 | 11521.4 | 10461.4 | 9553.1  | 8748.0 | 7968.0 | 7205.8 | 6434.1 | 5640.0 | 4856.0 | 4180.6 |
| -20°   | 12254.5 | 11107.4 | 10057.4 | 9177.1  | 8417.4 | 7678.4 | 6973.6 | 6254.5 | 5459.7 | 4722.8 | 4072.6 |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 20°     | 22.5°   | 25°    | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 11628.8 | 10615.6 | 9652.9 | 8789.8 | 8063.5 | 7387.1 | 6708.2 | 6013.0 | 5225.9 | 4555.9 | 3925.4 |
| -25°   | 11010.2 | 10068.2 | 9202.8 | 8409.6 | 7708.1 | 7065.8 | 6405.4 | 5716.3 | 5017.8 | 4359.9 | 3745.5 |
| -27.5° | 10404.9 | 9532.4  | 8670.2 | 7957.1 | 7327.2 | 6699.7 | 6079.3 | 5427.3 | 4784.3 | 4139.3 | 3576.6 |
| -30°   | 9751.5  | 8935.4  | 8158.0 | 7488.6 | 6892.3 | 6311.8 | 5753.8 | 5145.1 | 4512.4 | 3900.3 | 3394.3 |
| -32.5° | 9033.7  | 8317.5  | 7632.4 | 7002.2 | 6444.8 | 5930.6 | 5401.0 | 4824.0 | 4198.8 | 3677.0 | 3183.2 |
| -35°   | 8337.1  | 7676.0  | 7084.8 | 6528.9 | 6023.1 | 5552.3 | 5039.7 | 4461.9 | 3912.9 | 3423.3 | 2945.0 |
| -37.5° | 7713.7  | 7069.8  | 6522.3 | 6043.4 | 5620.8 | 5174.5 | 4663.3 | 4150.6 | 3634.5 | 3140.8 | 2723.4 |
| -40°   | 7068.6  | 6467.7  | 5981.5 | 5592.2 | 5187.8 | 4786.0 | 4336.1 | 3859.4 | 3350.2 | 2867.9 | 2506.1 |
| -42.5° | 6443.3  | 5958.5  | 5479.1 | 5089.4 | 4727.0 | 4398.0 | 4018.5 | 3537.2 | 3069.1 | 2650.1 | 2302.4 |
| -45°   | 5831.1  | 5390.7  | 4953.0 | 4597.7 | 4296.2 | 3987.7 | 3648.4 | 3211.0 | 2790.5 | 2430.8 | 2102.9 |
| -47.5° | 5202.0  | 4831.2  | 4466.2 | 4135.9 | 3866.4 | 3566.8 | 3239.2 | 2868.7 | 2524.1 | 2200.0 | 1909.5 |
| -50°   | 4598.1  | 4297.3  | 4002.0 | 3715.8 | 3443.0 | 3150.4 | 2857.8 | 2558.7 | 2251.3 | 1968.8 | 1705.2 |
| -52.5° | 4029.4  | 3780.3  | 3530.8 | 3280.3 | 3041.8 | 2786.2 | 2516.1 | 2250.1 | 1979.6 | 1743.6 | 1508.3 |
| -55°   | 3494.5  | 3280.9  | 3083.0 | 2882.1 | 2681.2 | 2450.5 | 2207.0 | 1967.3 | 1751.5 | 1534.7 | 1342.8 |
| -57.5° | 3020.9  | 2833.4  | 2676.0 | 2511.9 | 2342.0 | 2137.8 | 1929.5 | 1727.0 | 1547.9 | 1368.5 | 1190.9 |
| -60°   | 2602.5  | 2439.1  | 2304.1 | 2161.1 | 2010.3 | 1839.6 | 1674.3 | 1513.8 | 1359.1 | 1212.6 | 1059.7 |
| -62.5° | 2207.4  | 2075.4  | 1953.9 | 1832.8 | 1710.3 | 1581.0 | 1439.5 | 1310.1 | 1190.2 | 1066.8 | 928.4  |
| -65°   | 1833.5  | 1730.2  | 1628.2 | 1530.4 | 1429.7 | 1325.7 | 1213.1 | 1110.8 | 1012.8 | 912.7  | 793.1  |
| -67.5° | 1492.6  | 1411.7  | 1329.0 | 1247.2 | 1168.7 | 1086.2 | 1000.6 | 915.2  | 835.4  | 753.7  | 656.6  |
| -70°   | 1201.5  | 1140.7  | 1076.4 | 1008.1 | 943.1  | 878.5  | 812.3  | 743.2  | 670.1  | 603.5  | 537.0  |
| -72.5° | 969.8   | 926.0   | 878.0  | 822.8  | 764.2  | 708.5  | 654.7  | 600.9  | 545.4  | 488.4  | 430.4  |
| -75°   | 783.7   | 751.6   | 715.0  | 668.9  | 621.6  | 573.1  | 527.8  | 481.5  | 430.8  | 375.5  | 321.6  |
| -77.5° | 620.6   | 600.9   | 578.4  | 541.6  | 504.4  | 466.8  | 426.4  | 375.9  | 324.3  | 273.3  | 228.8  |
| -80°   | 465.2   | 455.9   | 442.6  | 410.6  | 378.5  | 346.6  | 313.0  | 268.8  | 224.9  | 183.8  | 150.7  |
| -82.5° | 307.0   | 300.7   | 292.1  | 270.7  | 249.6  | 228.9  | 207.7  | 177.0  | 147.7  | 119.9  | 95.4   |
| -85°   | 167.8   | 162.3   | 156.3  | 146.2  | 136.1  | 126.1  | 115.9  | 99.0   | 83.1   | 68.3   | 55.0   |
| -87.5° | 61.3    | 59.2    | 57.1   | 54.9   | 52.7   | 50.5   | 48.2   | 43.2   | 38.4   | 33.7   | 29.2   |
| -90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 47.5°  | 50°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5° | 65°   | 67.5° | 70°   | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 90°    | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9   | 19.9  | 19.9  | 18.3  | 16.6  | 15.0  |
| 87.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 1.0   | 2.2   | 3.5   |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.1    | 0.0    | 0.0   | 0.0   | 0.4   | 1.1   | 2.0   |
| 82.5°  | 0.0    | 0.0    | 0.0    | 0.1    | 1.1    | 1.7    | 1.9   | 1.7   | 1.0   | 0.2   | 0.5   |
| 80°    | 0.0    | 0.0    | 0.0    | 0.2    | 1.6    | 3.5    | 4.4   | 4.5   | 3.5   | 2.4   | 1.3   |
| 77.5°  | 0.0    | 0.0    | 0.0    | 0.1    | 0.7    | 1.9    | 3.8   | 6.0   | 5.9   | 4.6   | 3.3   |
| 75°    | 0.0    | 0.0    | 0.0    | 0.3    | 0.4    | 0.1    | 1.4   | 3.5   | 5.4   | 6.5   | 5.2   |
| 72.5°  | 0.0    | 0.0    | 0.0    | 0.8    | 1.8    | 1.9    | 1.1   | 1.1   | 3.8   | 5.6   | 6.5   |
| 70°    | 1.0    | 0.4    | 0.0    | 1.1    | 2.7    | 4.0    | 3.7   | 3.0   | 2.5   | 4.8   | 6.2   |
| 67.5°  | 3.1    | 3.3    | 2.5    | 1.9    | 3.0    | 4.6    | 6.1   | 5.9   | 5.1   | 4.3   | 6.1   |
| 65°    | 7.7    | 7.2    | 6.5    | 5.8    | 5.0    | 4.9    | 6.4   | 8.2   | 7.7   | 6.6   | 6.0   |
| 62.5°  | 11.6   | 11.6   | 10.7   | 9.7    | 8.6    | 7.5    | 6.9   | 9.1   | 10.1  | 8.9   | 7.5   |
| 60°    | 14.9   | 15.6   | 14.9   | 13.6   | 12.2   | 10.9   | 9.8   | 10.4  | 11.6  | 11.2  | 9.5   |
| 57.5°  | 20.6   | 20.1   | 19.8   | 17.9   | 15.8   | 14.2   | 13.3  | 13.0  | 13.3  | 13.2  | 11.5  |
| 55°    | 36.4   | 25.3   | 25.5   | 23.5   | 20.3   | 17.5   | 16.8  | 16.1  | 15.4  | 15.1  | 13.5  |
| 52.5°  | 92.1   | 51.1   | 32.8   | 30.3   | 26.3   | 21.6   | 20.2  | 19.3  | 18.2  | 17.3  | 15.4  |
| 50°    | 170.0  | 110.1  | 62.3   | 39.1   | 33.3   | 28.4   | 23.6  | 22.4  | 21.0  | 19.7  | 17.3  |
| 47.5°  | 272.1  | 189.2  | 123.0  | 61.7   | 43.0   | 35.5   | 29.5  | 25.5  | 23.8  | 22.1  | 19.1  |
| 45°    | 419.1  | 278.8  | 193.3  | 122.1  | 57.3   | 49.0   | 36.4  | 28.5  | 26.6  | 24.4  | 20.9  |
| 42.5°  | 583.1  | 409.1  | 271.2  | 184.5  | 109.5  | 67.8   | 43.6  | 34.6  | 29.3  | 26.9  | 22.9  |
| 40°    | 743.9  | 565.3  | 364.3  | 254.4  | 165.2  | 90.9   | 62.8  | 41.3  | 32.1  | 29.5  | 25.2  |
| 37.5°  | 921.9  | 730.6  | 510.3  | 328.9  | 222.0  | 138.8  | 86.0  | 48.1  | 36.4  | 32.3  | 27.5  |
| 35°    | 1142.0 | 913.9  | 656.4  | 438.2  | 294.0  | 183.2  | 111.9 | 61.3  | 44.8  | 35.2  | 29.9  |
| 32.5°  | 1361.8 | 1097.0 | 814.3  | 565.3  | 369.2  | 224.1  | 145.6 | 87.4  | 54.6  | 38.2  | 32.4  |
| 30°    | 1583.0 | 1264.7 | 962.9  | 682.9  | 455.8  | 289.8  | 181.9 | 112.9 | 65.8  | 41.4  | 34.9  |
| 27.5°  | 1782.1 | 1422.9 | 1102.1 | 805.8  | 557.4  | 359.2  | 219.8 | 137.5 | 78.2  | 46.9  | 37.5  |
| 25°    | 2007.1 | 1593.9 | 1239.1 | 923.3  | 650.2  | 431.5  | 258.7 | 161.6 | 96.3  | 56.5  | 40.1  |
| 22.5°  | 2296.6 | 1769.6 | 1366.1 | 1029.8 | 742.2  | 500.7  | 308.8 | 193.6 | 116.3 | 66.6  | 42.7  |
| 20°    | 2584.4 | 1941.3 | 1490.4 | 1163.3 | 842.2  | 578.6  | 366.7 | 225.3 | 135.2 | 77.1  | 45.3  |
| 17.5°  | 2866.9 | 2161.3 | 1671.4 | 1299.6 | 949.2  | 651.4  | 420.8 | 256.4 | 153.0 | 87.7  | 47.9  |
| 15°    | 3120.1 | 2413.3 | 1849.3 | 1428.5 | 1054.0 | 718.7  | 470.8 | 286.7 | 169.7 | 98.5  | 51.2  |
| 12.5°  | 3332.8 | 2630.5 | 2016.8 | 1549.2 | 1154.9 | 780.2  | 516.5 | 315.7 | 185.2 | 110.4 | 55.8  |
| 10°    | 3508.5 | 2814.3 | 2172.0 | 1660.7 | 1250.3 | 835.5  | 557.7 | 344.8 | 203.2 | 123.0 | 60.6  |
| 7.5°   | 3648.9 | 2966.0 | 2313.3 | 1761.9 | 1336.8 | 887.3  | 601.9 | 375.4 | 220.8 | 135.1 | 65.5  |
| 5°     | 3754.5 | 3084.5 | 2422.5 | 1834.5 | 1405.6 | 934.8  | 642.8 | 403.5 | 237.0 | 146.3 | 70.4  |
| 2.5°   | 3823.1 | 3171.6 | 2503.5 | 1891.4 | 1461.6 | 974.8  | 678.6 | 428.7 | 251.9 | 156.6 | 75.1  |
| 0°     | 3863.5 | 3234.0 | 2564.7 | 1935.1 | 1504.3 | 1007.3 | 709.1 | 450.6 | 265.1 | 165.7 | 79.5  |
| -2.5°  | 3899.7 | 3274.8 | 2618.1 | 2011.3 | 1533.7 | 1060.5 | 728.6 | 470.4 | 286.0 | 172.3 | 87.6  |
| -5°    | 3911.6 | 3292.8 | 2653.1 | 2070.1 | 1551.4 | 1103.6 | 742.3 | 486.5 | 304.4 | 177.5 | 95.0  |
| -7.5°  | 3891.5 | 3282.0 | 2665.4 | 2103.5 | 1559.7 | 1134.0 | 750.2 | 499.1 | 319.3 | 181.7 | 101.5 |
| -10°   | 3846.7 | 3246.5 | 2649.2 | 2093.4 | 1570.9 | 1143.5 | 754.8 | 508.4 | 330.1 | 184.7 | 106.8 |
| -12.5° | 3780.2 | 3192.8 | 2614.4 | 2071.1 | 1569.0 | 1137.4 | 767.3 | 515.7 | 335.8 | 186.8 | 110.8 |
| -15°   | 3693.1 | 3122.7 | 2561.1 | 2038.3 | 1550.1 | 1123.7 | 770.4 | 518.3 | 335.2 | 190.7 | 113.2 |
| -17.5° | 3590.6 | 3037.5 | 2489.7 | 1996.5 | 1513.4 | 1103.2 | 763.5 | 515.1 | 331.8 | 196.4 | 115.6 |
| -20°   | 3488.0 | 2943.0 | 2405.1 | 1947.1 | 1458.0 | 1076.4 | 745.7 | 505.6 | 325.7 | 200.1 | 118.0 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 47.5°  | 50°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5° | 65°   | 67.5° | 70°   | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| -22.5° | 3367.7 | 2834.4 | 2332.0 | 1878.1 | 1398.0 | 1044.1 | 716.7 | 489.5 | 317.0 | 201.8 | 119.1 |
| -25°   | 3229.5 | 2707.6 | 2244.0 | 1783.3 | 1350.7 | 1007.7 | 686.7 | 466.6 | 305.8 | 201.2 | 118.7 |
| -27.5° | 3073.2 | 2572.2 | 2140.5 | 1679.4 | 1301.6 | 956.7  | 658.2 | 449.9 | 296.2 | 198.3 | 116.9 |
| -30°   | 2898.9 | 2444.6 | 2016.7 | 1579.6 | 1241.6 | 901.7  | 621.0 | 431.0 | 291.9 | 194.6 | 113.7 |
| -32.5° | 2711.0 | 2301.0 | 1883.6 | 1503.5 | 1173.3 | 844.5  | 588.2 | 409.8 | 284.6 | 189.9 | 113.9 |
| -35°   | 2534.7 | 2144.8 | 1747.7 | 1415.7 | 1100.9 | 810.7  | 566.2 | 386.2 | 274.4 | 183.3 | 114.5 |
| -37.5° | 2346.0 | 1980.9 | 1640.2 | 1324.1 | 1024.6 | 771.8  | 548.4 | 375.6 | 261.1 | 174.8 | 114.1 |
| -40°   | 2164.4 | 1825.5 | 1515.7 | 1236.8 | 968.2  | 728.0  | 520.4 | 363.9 | 248.3 | 164.5 | 112.5 |
| -42.5° | 1980.6 | 1679.5 | 1396.7 | 1141.8 | 915.0  | 685.7  | 484.6 | 345.8 | 238.0 | 158.6 | 109.9 |
| -45°   | 1811.4 | 1528.6 | 1269.9 | 1059.0 | 855.9  | 631.5  | 457.0 | 323.2 | 225.3 | 154.3 | 107.6 |
| -47.5° | 1633.7 | 1375.0 | 1154.2 | 968.3  | 778.5  | 572.5  | 422.0 | 305.3 | 210.1 | 148.8 | 106.0 |
| -50°   | 1450.1 | 1229.5 | 1045.9 | 868.7  | 683.8  | 523.4  | 384.5 | 284.0 | 204.7 | 144.4 | 103.4 |
| -52.5° | 1289.5 | 1101.7 | 935.1  | 766.2  | 612.3  | 465.9  | 356.0 | 261.2 | 197.4 | 140.7 | 99.8  |
| -55°   | 1151.2 | 980.1  | 826.0  | 682.2  | 544.3  | 423.6  | 323.9 | 250.3 | 188.5 | 136.1 | 95.3  |
| -57.5° | 1028.9 | 867.5  | 736.5  | 607.3  | 487.5  | 382.9  | 301.2 | 237.4 | 179.1 | 129.7 | 91.3  |
| -60°   | 910.1  | 777.6  | 655.1  | 540.0  | 434.5  | 347.7  | 283.5 | 222.5 | 167.9 | 121.6 | 86.8  |
| -62.5° | 800.2  | 683.6  | 577.1  | 473.0  | 387.0  | 319.1  | 263.3 | 205.2 | 154.6 | 111.5 | 80.9  |
| -65°   | 685.0  | 585.6  | 495.6  | 413.9  | 343.8  | 285.6  | 237.1 | 185.5 | 137.2 | 99.3  | 73.3  |
| -67.5° | 565.3  | 492.3  | 422.0  | 353.9  | 296.7  | 247.8  | 207.0 | 159.4 | 116.8 | 85.2  | 64.3  |
| -70°   | 470.8  | 406.5  | 347.0  | 293.5  | 246.9  | 207.0  | 169.1 | 128.8 | 94.2  | 73.0  | 54.8  |
| -72.5° | 374.7  | 322.4  | 273.6  | 231.0  | 197.7  | 163.9  | 129.5 | 98.6  | 78.1  | 60.2  | 44.8  |
| -75°   | 277.4  | 242.0  | 210.2  | 180.6  | 150.6  | 121.0  | 98.7  | 78.4  | 61.6  | 46.9  | 37.8  |
| -77.5° | 201.3  | 175.7  | 152.3  | 133.6  | 113.0  | 93.2   | 74.5  | 57.5  | 46.6  | 38.9  | 31.8  |
| -80°   | 136.8  | 123.3  | 110.4  | 97.2   | 80.7   | 65.0   | 53.7  | 44.2  | 37.6  | 31.3  | 25.6  |
| -82.5° | 86.2   | 79.0   | 72.5   | 65.9   | 56.2   | 47.6   | 39.9  | 33.4  | 28.3  | 23.6  | 20.8  |
| -85°   | 51.1   | 47.2   | 43.5   | 39.8   | 34.4   | 29.7   | 27.5  | 25.4  | 23.2  | 21.1  | 18.9  |
| -87.5° | 28.8   | 28.4   | 27.9   | 27.5   | 26.1   | 24.8   | 23.7  | 22.7  | 20.8  | 18.8  | 16.9  |
| -90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 1.6   | 3.3   | 4.9   |



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 75°  | 77.5° | 80°  | 82.5° | 85°  | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| 90°    | 13.3 | 11.6  | 10.0 | 8.3   | 6.6  | 6.6   | 6.6 |
| 87.5°  | 4.9  | 5.5   | 6.0  | 6.4   | 6.6  | 6.6   | 6.6 |
| 85°    | 3.2  | 4.5   | 5.5  | 6.2   | 6.6  | 6.6   | 6.6 |
| 82.5°  | 1.6  | 3.4   | 4.9  | 6.0   | 6.6  | 6.6   | 6.6 |
| 80°    | 0.3  | 2.4   | 4.4  | 5.8   | 6.6  | 6.6   | 6.6 |
| 77.5°  | 2.0  | 2.2   | 3.9  | 5.6   | 6.6  | 6.6   | 6.6 |
| 75°    | 3.7  | 3.3   | 3.6  | 5.5   | 6.6  | 6.6   | 6.6 |
| 72.5°  | 5.3  | 4.3   | 4.2  | 5.3   | 6.6  | 6.6   | 6.6 |
| 70°    | 6.6  | 5.3   | 4.7  | 5.3   | 6.6  | 6.6   | 6.6 |
| 67.5°  | 6.8  | 6.2   | 5.3  | 5.5   | 6.6  | 6.6   | 6.6 |
| 65°    | 7.1  | 6.8   | 5.7  | 5.7   | 6.6  | 6.6   | 6.6 |
| 62.5°  | 7.4  | 7.4   | 6.2  | 5.9   | 6.6  | 6.6   | 6.6 |
| 60°    | 7.9  | 7.9   | 6.6  | 6.1   | 6.6  | 6.6   | 6.6 |
| 57.5°  | 9.4  | 8.6   | 7.2  | 6.3   | 6.7  | 6.6   | 6.6 |
| 55°    | 11.1 | 9.3   | 7.9  | 6.4   | 6.8  | 6.6   | 6.6 |
| 52.5°  | 12.8 | 10.2  | 8.6  | 6.5   | 6.9  | 6.6   | 6.6 |
| 50°    | 14.4 | 11.5  | 9.4  | 6.6   | 7.0  | 6.6   | 6.6 |
| 47.5°  | 16.0 | 12.8  | 10.1 | 6.7   | 7.2  | 6.6   | 6.6 |
| 45°    | 17.6 | 14.1  | 10.9 | 7.4   | 7.4  | 6.6   | 6.6 |
| 42.5°  | 19.1 | 15.4  | 11.8 | 8.0   | 7.6  | 6.6   | 6.6 |
| 40°    | 20.5 | 16.6  | 12.7 | 8.8   | 7.9  | 6.6   | 6.6 |
| 37.5°  | 22.0 | 17.8  | 13.7 | 9.7   | 8.1  | 6.6   | 6.6 |
| 35°    | 23.3 | 19.0  | 14.6 | 10.6  | 8.4  | 6.6   | 6.6 |
| 32.5°  | 24.9 | 20.1  | 15.5 | 11.4  | 8.7  | 6.6   | 6.6 |
| 30°    | 26.9 | 21.1  | 16.3 | 12.2  | 9.0  | 6.6   | 6.6 |
| 27.5°  | 28.8 | 22.2  | 17.3 | 13.0  | 9.4  | 6.6   | 6.6 |
| 25°    | 30.8 | 23.1  | 18.4 | 13.8  | 9.7  | 6.6   | 6.6 |
| 22.5°  | 32.7 | 24.2  | 19.4 | 14.6  | 10.1 | 6.6   | 6.6 |
| 20°    | 34.6 | 25.4  | 20.3 | 15.3  | 10.5 | 6.6   | 6.6 |
| 17.5°  | 36.5 | 26.5  | 21.3 | 16.0  | 10.8 | 6.6   | 6.6 |
| 15°    | 38.4 | 27.6  | 22.1 | 16.6  | 11.2 | 6.6   | 6.6 |
| 12.5°  | 40.1 | 28.7  | 23.0 | 17.3  | 11.6 | 6.6   | 6.6 |
| 10°    | 41.6 | 29.7  | 23.8 | 17.9  | 12.0 | 6.6   | 6.6 |
| 7.5°   | 43.1 | 30.6  | 24.5 | 18.4  | 12.3 | 6.6   | 6.6 |
| 5°     | 44.3 | 31.5  | 25.2 | 19.0  | 12.7 | 6.6   | 6.6 |
| 2.5°   | 45.4 | 32.3  | 25.9 | 19.4  | 13.0 | 6.6   | 6.6 |
| 0°     | 46.4 | 33.1  | 26.5 | 19.9  | 13.3 | 6.6   | 6.6 |
| -2.5°  | 49.0 | 33.8  | 27.1 | 19.9  | 13.3 | 6.6   | 6.6 |
| -5°    | 51.3 | 34.5  | 27.5 | 19.8  | 13.2 | 6.6   | 6.6 |
| -7.5°  | 53.4 | 35.0  | 28.0 | 19.7  | 13.2 | 6.6   | 6.6 |
| -10°   | 55.1 | 35.5  | 28.3 | 19.6  | 13.1 | 6.6   | 6.6 |
| -12.5° | 56.4 | 36.0  | 28.5 | 19.4  | 13.0 | 6.6   | 6.6 |
| -15°   | 57.2 | 36.3  | 28.6 | 19.2  | 12.8 | 6.6   | 6.6 |
| -17.5° | 57.5 | 36.6  | 28.5 | 19.0  | 12.7 | 6.6   | 6.6 |
| -20°   | 59.0 | 36.9  | 28.3 | 18.7  | 12.5 | 6.6   | 6.6 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627510 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 75°  | 77.5° | 80°  | 82.5° | 85°  | 87.5° | 90° |
|--------|------|-------|------|-------|------|-------|-----|
| -22.5° | 62.8 | 37.0  | 28.0 | 18.4  | 12.3 | 6.6   | 6.6 |
| -25°   | 65.9 | 39.4  | 27.5 | 18.0  | 12.0 | 6.6   | 6.6 |
| -27.5° | 68.3 | 42.5  | 26.8 | 17.7  | 11.8 | 6.6   | 6.6 |
| -30°   | 69.9 | 45.2  | 26.2 | 17.2  | 11.5 | 6.6   | 6.6 |
| -32.5° | 70.8 | 47.4  | 27.2 | 16.8  | 11.2 | 6.6   | 6.6 |
| -35°   | 72.7 | 49.1  | 27.9 | 16.3  | 10.9 | 6.6   | 6.6 |
| -37.5° | 74.7 | 50.2  | 28.3 | 15.8  | 10.5 | 6.6   | 6.6 |
| -40°   | 75.8 | 50.6  | 28.5 | 15.2  | 10.2 | 6.6   | 6.6 |
| -42.5° | 76.2 | 50.6  | 28.7 | 14.9  | 9.8  | 6.6   | 6.6 |
| -45°   | 75.8 | 50.2  | 28.9 | 15.0  | 9.4  | 6.6   | 6.6 |
| -47.5° | 74.7 | 49.5  | 28.7 | 14.9  | 8.9  | 6.6   | 6.6 |
| -50°   | 73.1 | 48.3  | 28.2 | 14.7  | 8.5  | 6.6   | 6.6 |
| -52.5° | 71.1 | 46.8  | 27.3 | 14.4  | 8.1  | 6.6   | 6.6 |
| -55°   | 68.6 | 44.9  | 26.2 | 14.0  | 7.6  | 6.6   | 6.6 |
| -57.5° | 65.5 | 42.5  | 24.7 | 13.5  | 7.1  | 6.6   | 6.6 |
| -60°   | 61.9 | 39.6  | 23.0 | 12.9  | 6.6  | 6.6   | 6.6 |
| -62.5° | 56.9 | 36.3  | 21.7 | 12.2  | 6.6  | 6.6   | 6.6 |
| -65°   | 51.3 | 32.5  | 20.3 | 11.4  | 6.6  | 6.6   | 6.6 |
| -67.5° | 45.2 | 29.2  | 18.7 | 10.5  | 6.6  | 6.6   | 6.6 |
| -70°   | 38.5 | 26.5  | 17.0 | 9.6   | 6.6  | 6.6   | 6.6 |
| -72.5° | 34.0 | 23.6  | 15.2 | 9.3   | 6.6  | 6.6   | 6.6 |
| -75°   | 29.6 | 20.6  | 13.2 | 9.3   | 6.6  | 6.6   | 6.6 |
| -77.5° | 25.0 | 17.4  | 12.5 | 9.2   | 6.6  | 6.6   | 6.6 |
| -80°   | 20.2 | 15.7  | 12.1 | 9.0   | 6.6  | 6.6   | 6.6 |
| -82.5° | 18.3 | 14.7  | 11.6 | 8.9   | 6.6  | 6.6   | 6.6 |
| -85°   | 16.7 | 13.7  | 11.1 | 8.7   | 6.6  | 6.6   | 6.6 |
| -87.5° | 15.0 | 12.7  | 10.5 | 8.5   | 6.6  | 6.6   | 6.6 |
| -90°   | 6.6  | 6.6   | 6.6  | 6.6   | 6.6  | 6.6   | 6.6 |

(END OF REPORT)