

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: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-722-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

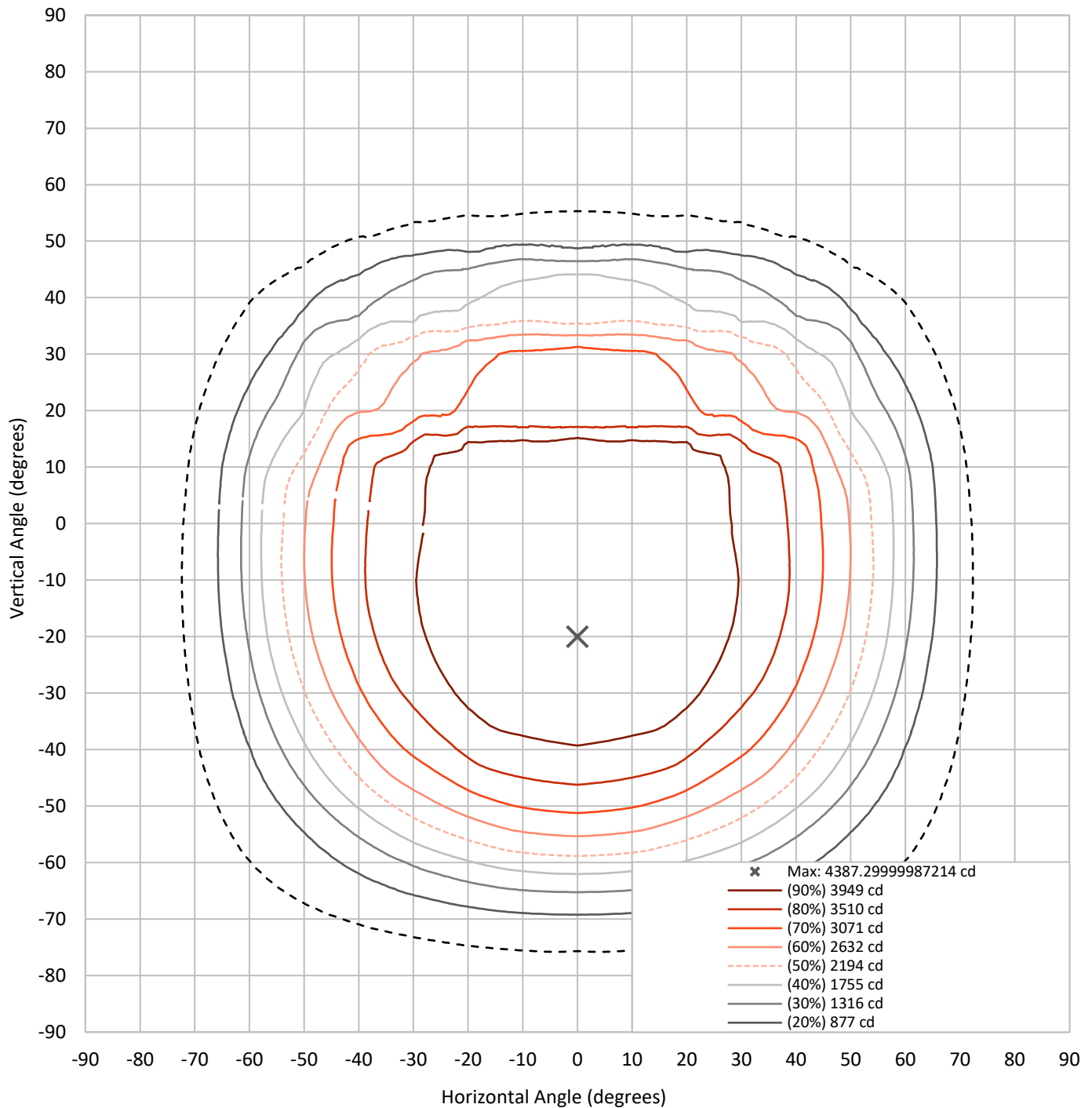
**Summary**

|                                   |                                    |                      |                 |
|-----------------------------------|------------------------------------|----------------------|-----------------|
| Lumens per Lamp:                  | N/A                                | NEMA Type:           | 7H x 7V         |
| Luminaire Lumens:                 | 10287.2 lumens                     | Max Intensity:       | 4387.3 candela  |
| Efficiency:                       | N/A                                | Max Intensity Angle: | 0°H x -20°V     |
| Efficacy:                         | 79.4 lumens/watt                   |                      |                 |
| Luminous Opening:                 | Rectangular (W 1' x L: 1' x H: 0') |                      |                 |
| Beam Angle (50%):                 | 105.6°H x 93.7°V                   | Field Angle (10%):   | 144°H x 131.2°V |
| Beam Lumens:                      | 8041.9 lumens                      | Field Lumens:        | 10082.9 lumens  |
| Beam Efficiency:                  | 78.2%                              | Field Efficiency:    | 98.0%           |
| Input Watts (W):                  | 129.5                              |                      |                 |
| Input Voltage (V):                | 120                                |                      |                 |
| Input Current (Ain):              | NR                                 |                      |                 |
| Voltage Rise (V):                 | NR                                 |                      |                 |
| Power Factor:                     | NR                                 |                      |                 |
| Total Harmonic Distortion (THDi): | NR                                 |                      |                 |
| Frequency (hertz):                | 60                                 |                      |                 |
| Stabilization Time:               | NR                                 |                      |                 |
| Operation Time:                   | NR                                 |                      |                 |
| Ambient Temperature (°C):         | NR                                 |                      |                 |
| Test Distance:                    | 25 FT                              |                      |                 |



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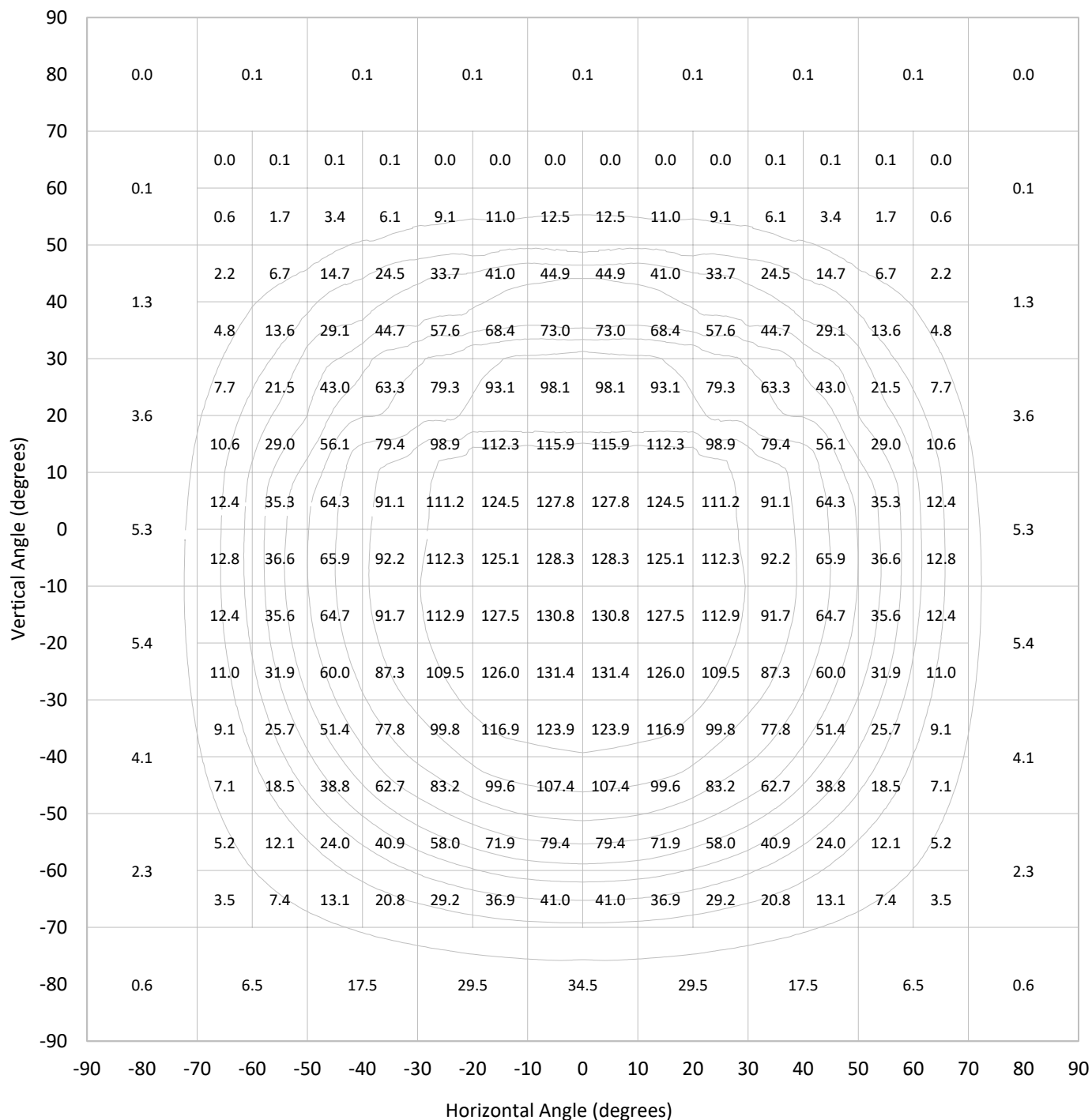
### Iso-Candela Plot





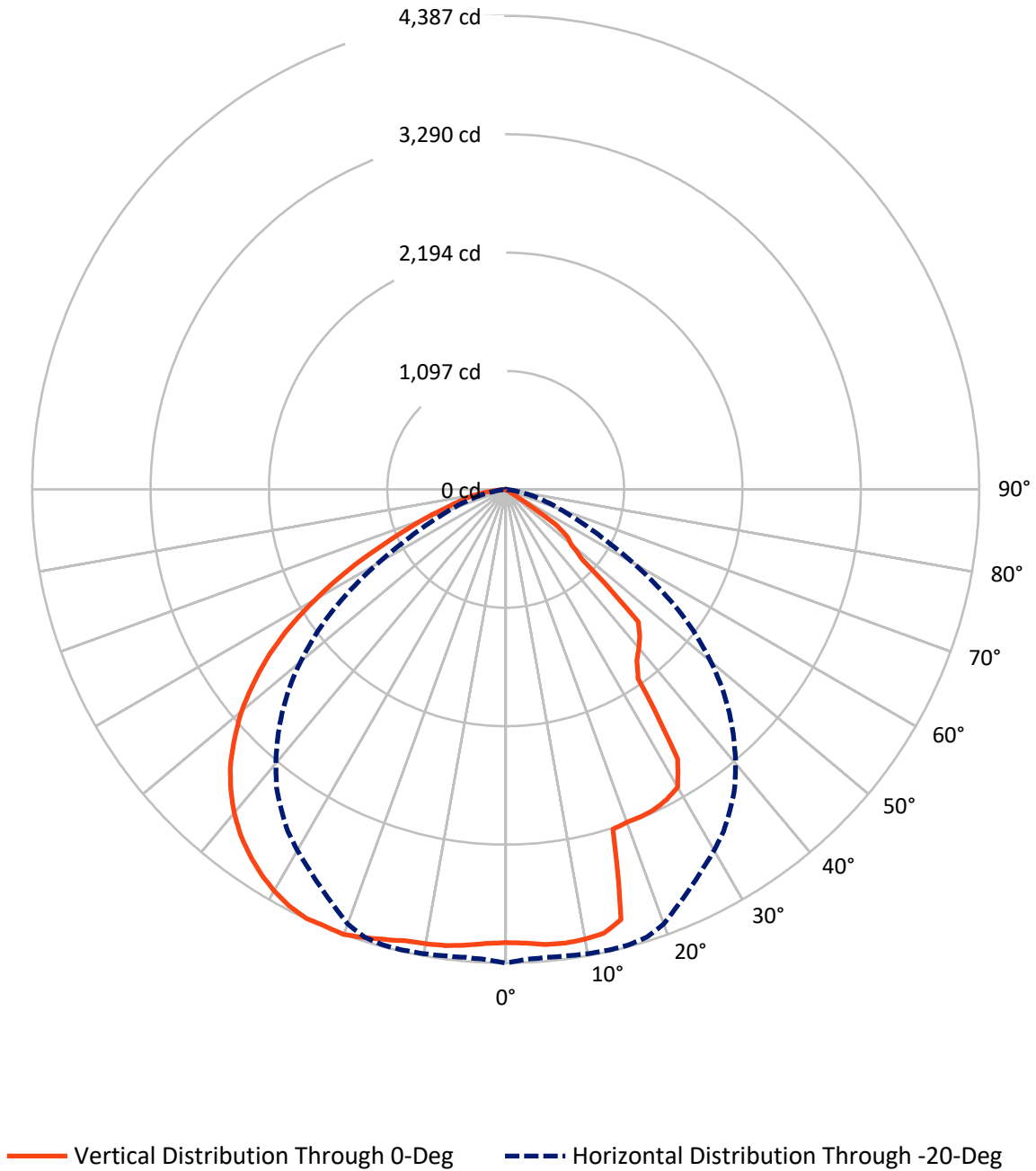
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### Lumen Table



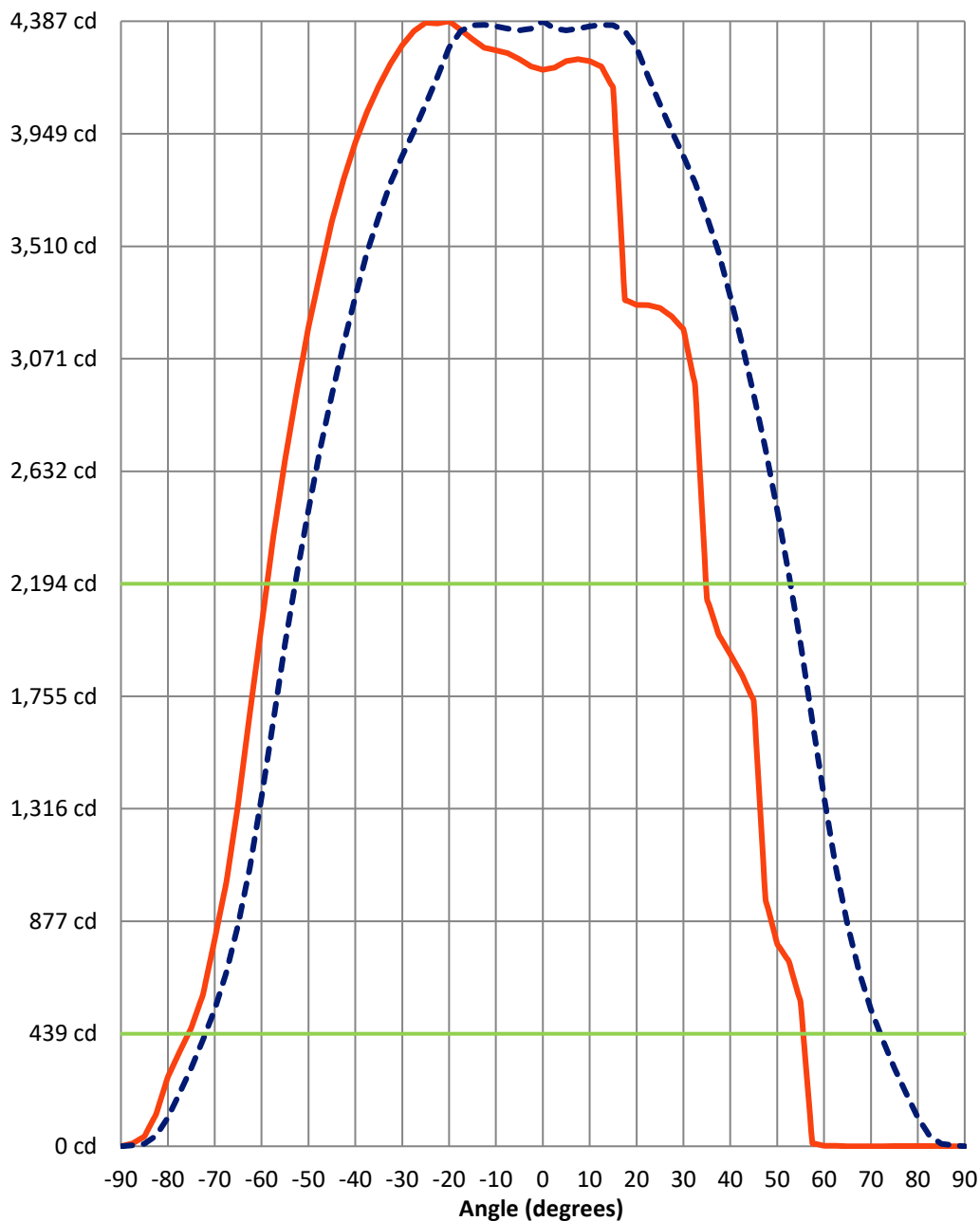
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 8041.9  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 10082.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 204.3  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -20-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  | 0.1    | 0.2  | 0.2    | 0.3   | 0.4    | 0.5   | 0.5    | 0.5   | 0.4    | 0.4   |
| 85°    | 0.0  | 0.2    | 0.3  | 0.5    | 0.7   | 0.8    | 1.0   | 1.0    | 1.0   | 0.9    | 0.8   |
| 82.5°  | 0.0  | 0.3    | 0.5  | 0.7    | 1.0   | 1.2    | 1.5   | 1.5    | 1.4   | 1.2    | 0.9   |
| 80°    | 0.0  | 0.4    | 0.7  | 1.0    | 1.3   | 1.6    | 1.9   | 1.7    | 1.4   | 1.2    | 0.9   |
| 77.5°  | 0.0  | 0.5    | 0.8  | 1.2    | 1.6   | 1.9    | 1.9   | 1.7    | 1.4   | 1.2    | 1.0   |
| 75°    | 0.0  | 0.6    | 1.0  | 1.5    | 1.9   | 2.0    | 1.9   | 1.7    | 1.5   | 1.2    | 1.0   |
| 72.5°  | 0.0  | 0.7    | 1.2  | 1.7    | 2.0   | 2.0    | 1.9   | 1.7    | 1.5   | 1.2    | 1.0   |
| 70°    | 0.0  | 0.8    | 1.3  | 1.9    | 2.1   | 2.1    | 2.0   | 1.7    | 1.5   | 1.3    | 1.5   |
| 67.5°  | 0.0  | 0.9    | 1.5  | 2.0    | 2.2   | 2.2    | 2.2   | 1.8    | 1.6   | 2.1    | 2.1   |
| 65°    | 0.0  | 1.0    | 1.7  | 2.1    | 2.3   | 2.5    | 2.5   | 1.8    | 2.5   | 2.9    | 3.7   |
| 62.5°  | 0.0  | 1.1    | 1.8  | 2.2    | 2.4   | 3.1    | 3.0   | 2.5    | 3.5   | 5.1    | 8.2   |
| 60°    | 0.0  | 1.2    | 2.0  | 2.3    | 2.5   | 3.8    | 3.5   | 3.5    | 4.5   | 13.0   | 14.2  |
| 57.5°  | 0.0  | 1.3    | 2.1  | 2.4    | 3.2   | 4.5    | 6.4   | 5.0    | 12.7  | 22.1   | 25.7  |
| 55°    | 0.0  | 1.4    | 2.2  | 2.5    | 4.0   | 5.3    | 10.2  | 8.1    | 23.6  | 34.1   | 41.6  |
| 52.5°  | 0.0  | 1.5    | 2.3  | 2.6    | 4.8   | 6.8    | 14.7  | 20.5   | 35.5  | 53.5   | 60.3  |
| 50°    | 0.0  | 1.6    | 2.4  | 2.7    | 5.6   | 11.6   | 19.7  | 34.7   | 50.7  | 75.1   | 94.2  |
| 47.5°  | 0.0  | 1.7    | 2.5  | 2.9    | 6.5   | 16.8   | 26.6  | 49.5   | 73.1  | 98.9   | 128.8 |
| 45°    | 0.0  | 1.8    | 2.7  | 3.6    | 7.5   | 22.3   | 40.1  | 65.0   | 98.1  | 128.9  | 162.4 |
| 42.5°  | 0.0  | 1.8    | 2.8  | 4.3    | 8.4   | 28.2   | 53.9  | 84.7   | 123.6 | 158.1  | 201.2 |
| 40°    | 0.0  | 1.9    | 2.9  | 5.3    | 11.4  | 34.5   | 68.1  | 107.1  | 149.8 | 186.8  | 242.7 |
| 37.5°  | 0.0  | 2.0    | 3.0  | 6.4    | 16.2  | 41.1   | 82.5  | 129.6  | 177.3 | 221.2  | 286.0 |
| 35°    | 0.0  | 2.1    | 3.1  | 7.6    | 21.2  | 51.0   | 97.2  | 152.0  | 205.2 | 263.5  | 337.2 |
| 32.5°  | 0.0  | 2.2    | 3.2  | 9.0    | 26.2  | 62.6   | 113.0 | 174.3  | 233.5 | 306.1  | 399.5 |
| 30°    | 0.0  | 2.2    | 3.4  | 10.5   | 31.3  | 74.0   | 131.2 | 196.9  | 262.1 | 348.7  | 459.2 |
| 27.5°  | 0.0  | 2.3    | 3.5  | 12.1   | 37.5  | 85.3   | 149.0 | 220.4  | 293.4 | 391.3  | 516.3 |
| 25°    | 0.0  | 2.4    | 3.6  | 13.7   | 44.0  | 96.5   | 166.4 | 243.6  | 328.8 | 437.8  | 570.8 |
| 22.5°  | 0.0  | 2.4    | 3.7  | 15.5   | 50.3  | 107.8  | 183.2 | 266.5  | 363.5 | 484.3  | 625.9 |
| 20°    | 0.0  | 2.5    | 3.9  | 17.3   | 56.7  | 120.0  | 199.5 | 288.9  | 397.3 | 528.1  | 679.7 |
| 17.5°  | 0.0  | 2.5    | 4.0  | 19.1   | 62.9  | 131.8  | 215.6 | 310.6  | 430.0 | 569.3  | 731.7 |
| 15°    | 0.0  | 2.6    | 4.1  | 20.9   | 69.0  | 143.2  | 231.1 | 330.8  | 461.4 | 607.6  | 781.8 |
| 12.5°  | 0.0  | 2.6    | 4.2  | 22.7   | 74.9  | 154.0  | 245.6 | 348.8  | 486.5 | 643.2  | 829.4 |
| 10°    | 0.0  | 2.7    | 4.3  | 24.5   | 80.5  | 164.2  | 259.1 | 365.4  | 505.2 | 664.5  | 868.2 |
| 7.5°   | 0.0  | 2.7    | 4.4  | 26.3   | 85.8  | 173.7  | 271.4 | 380.6  | 521.1 | 681.0  | 890.8 |
| 5°     | 0.0  | 2.8    | 4.5  | 27.9   | 90.7  | 182.5  | 282.6 | 394.2  | 534.4 | 694.4  | 909.2 |
| 2.5°   | 0.0  | 2.8    | 4.6  | 29.5   | 95.2  | 190.5  | 292.7 | 406.3  | 545.2 | 704.6  | 923.3 |
| 0°     | 0.0  | 2.8    | 4.7  | 30.9   | 99.3  | 197.6  | 301.6 | 416.8  | 553.6 | 711.9  | 932.9 |
| -2.5°  | 0.0  | 3.0    | 5.4  | 32.9   | 103.1 | 202.1  | 306.0 | 422.9  | 556.6 | 721.1  | 939.2 |
| -5°    | 0.0  | 3.1    | 6.1  | 34.8   | 106.3 | 205.7  | 309.3 | 427.4  | 557.6 | 727.0  | 941.2 |
| -7.5°  | 0.0  | 3.3    | 6.8  | 36.4   | 108.9 | 208.3  | 311.3 | 430.2  | 556.9 | 729.5  | 939.1 |
| -10°   | 0.0  | 3.4    | 7.5  | 37.9   | 110.9 | 209.9  | 312.3 | 431.3  | 554.5 | 728.0  | 933.1 |
| -12.5° | 0.0  | 3.5    | 8.2  | 39.1   | 112.2 | 210.6  | 312.1 | 430.6  | 550.6 | 722.1  | 922.9 |
| -15°   | 0.0  | 3.6    | 8.8  | 40.1   | 112.9 | 210.3  | 310.9 | 428.0  | 546.3 | 710.7  | 908.0 |
| -17.5° | 0.0  | 3.7    | 9.3  | 40.8   | 112.8 | 209.0  | 308.6 | 422.9  | 540.9 | 696.4  | 888.7 |
| -20°   | 0.0  | 3.8    | 9.8  | 41.2   | 112.0 | 206.8  | 305.1 | 415.5  | 533.4 | 679.3  | 864.9 |

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CATALOG NUMBER: GFLD-SA4B-722-U-LAM-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  | 3.9    | 10.3 | 41.3   | 110.4 | 203.6  | 300.0 | 406.7  | 523.5 | 659.7  | 836.5 |
| -25°   | 0.0  | 4.0    | 10.7 | 41.1   | 108.0 | 198.7  | 293.7 | 396.4  | 511.4 | 637.5  | 803.8 |
| -27.5° | 0.0  | 4.0    | 11.1 | 40.6   | 104.9 | 192.6  | 286.2 | 384.8  | 496.9 | 616.1  | 774.7 |
| -30°   | 0.0  | 4.0    | 11.4 | 39.8   | 101.0 | 185.7  | 277.6 | 371.8  | 481.0 | 598.0  | 743.7 |
| -32.5° | 0.0  | 4.1    | 11.6 | 38.6   | 96.4  | 177.9  | 267.8 | 359.7  | 464.2 | 577.0  | 710.5 |
| -35°   | 0.0  | 4.1    | 11.7 | 37.1   | 91.3  | 169.4  | 257.2 | 347.1  | 446.0 | 553.2  | 675.3 |
| -37.5° | 0.0  | 4.0    | 11.8 | 35.2   | 85.7  | 160.8  | 245.8 | 333.0  | 426.6 | 526.7  | 640.6 |
| -40°   | 0.0  | 4.0    | 11.8 | 33.0   | 79.5  | 152.9  | 233.6 | 317.7  | 405.9 | 501.7  | 606.2 |
| -42.5° | 0.0  | 3.9    | 11.8 | 30.6   | 74.9  | 144.6  | 220.5 | 301.1  | 385.9 | 475.2  | 569.3 |
| -45°   | 0.0  | 3.9    | 11.6 | 28.2   | 71.7  | 135.7  | 206.5 | 283.9  | 365.4 | 447.0  | 530.9 |
| -47.5° | 0.0  | 3.8    | 11.4 | 25.5   | 68.0  | 126.3  | 191.8 | 266.7  | 343.4 | 417.4  | 497.8 |
| -50°   | 0.0  | 3.6    | 11.1 | 24.6   | 63.7  | 116.4  | 179.5 | 248.7  | 319.1 | 390.2  | 463.1 |
| -52.5° | 0.0  | 3.5    | 10.8 | 24.1   | 58.8  | 106.0  | 167.2 | 229.8  | 295.9 | 362.3  | 427.6 |
| -55°   | 0.0  | 3.4    | 10.3 | 23.3   | 53.4  | 98.1   | 154.4 | 210.8  | 272.6 | 333.5  | 396.0 |
| -57.5° | 0.0  | 3.2    | 9.8  | 22.3   | 47.5  | 90.1   | 141.1 | 195.6  | 248.5 | 305.9  | 363.7 |
| -60°   | 0.0  | 3.0    | 9.3  | 21.1   | 41.3  | 81.4   | 127.6 | 178.8  | 224.4 | 278.1  | 331.4 |
| -62.5° | 0.0  | 2.8    | 8.7  | 19.6   | 38.4  | 72.0   | 115.3 | 160.6  | 202.1 | 249.5  | 299.8 |
| -65°   | 0.0  | 2.6    | 8.1  | 17.9   | 35.1  | 62.0   | 102.1 | 141.7  | 178.5 | 220.8  | 267.5 |
| -67.5° | 0.0  | 2.4    | 7.4  | 15.9   | 31.3  | 53.6   | 88.1  | 122.9  | 153.6 | 190.8  | 232.5 |
| -70°   | 0.0  | 2.2    | 6.7  | 13.8   | 27.3  | 46.9   | 73.3  | 103.7  | 131.3 | 159.4  | 195.3 |
| -72.5° | 0.0  | 1.9    | 6.0  | 12.2   | 22.9  | 39.7   | 62.0  | 84.1   | 108.6 | 133.5  | 158.6 |
| -75°   | 0.0  | 1.7    | 5.2  | 10.6   | 18.2  | 32.1   | 50.7  | 67.8   | 85.5  | 107.2  | 129.1 |
| -77.5° | 0.0  | 1.4    | 4.4  | 8.9    | 15.0  | 24.1   | 38.8  | 52.4   | 66.5  | 81.7   | 99.1  |
| -80°   | 0.0  | 1.1    | 3.5  | 7.2    | 12.1  | 18.3   | 26.5  | 36.7   | 47.6  | 59.4   | 72.1  |
| -82.5° | 0.0  | 0.9    | 2.7  | 5.4    | 9.2   | 13.9   | 19.4  | 23.5   | 28.4  | 36.8   | 45.7  |
| -85°   | 0.0  | 0.6    | 1.8  | 3.7    | 6.2   | 9.3    | 13.0  | 15.7   | 18.5  | 21.4   | 24.5  |
| -87.5° | 0.0  | 0.3    | 0.9  | 1.8    | 3.1   | 4.7    | 6.5   | 7.9    | 9.3   | 10.7   | 12.2  |
| -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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**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°  | 0.4    | 0.4    | 0.5    | 0.5    | 0.5    | 0.6    | 0.6    | 0.6    | 0.7    | 0.7    | 0.7    |
| 85°    | 0.8    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 82.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 80°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 77.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 75°    | 0.9    | 0.9    | 1.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 72.5°  | 1.1    | 1.2    | 1.2    | 1.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°    | 1.5    | 1.5    | 1.3    | 1.1    | 0.9    | 1.0    | 1.0    | 1.0    | 0.9    | 0.9    | 0.9    |
| 67.5°  | 1.8    | 1.6    | 1.4    | 1.3    | 1.3    | 1.4    | 1.4    | 1.1    | 0.9    | 0.9    | 0.9    |
| 65°    | 1.9    | 1.6    | 2.3    | 2.6    | 2.0    | 1.7    | 1.4    | 1.2    | 1.3    | 1.3    | 1.3    |
| 62.5°  | 2.8    | 3.5    | 4.5    | 7.9    | 5.9    | 1.7    | 3.1    | 3.6    | 2.7    | 2.2    | 2.4    |
| 60°    | 9.2    | 6.2    | 18.5   | 26.5   | 16.5   | 6.0    | 7.3    | 24.5   | 21.2   | 3.9    | 13.2   |
| 57.5°  | 19.2   | 26.4   | 48.6   | 49.5   | 34.2   | 23.6   | 68.7   | 79.4   | 60.1   | 35.1   | 53.6   |
| 55°    | 42.3   | 65.1   | 80.6   | 74.6   | 81.5   | 123.4  | 146.7  | 131.7  | 110.9  | 170.6  | 218.0  |
| 52.5°  | 82.7   | 105.9  | 111.2  | 127.7  | 182.7  | 210.0  | 201.2  | 215.2  | 279.0  | 346.5  | 361.2  |
| 50°    | 122.1  | 141.1  | 155.9  | 225.4  | 268.5  | 271.2  | 291.2  | 354.5  | 439.6  | 481.0  | 471.0  |
| 47.5°  | 160.2  | 179.9  | 248.7  | 315.5  | 334.9  | 361.4  | 411.4  | 533.5  | 623.7  | 625.5  | 615.3  |
| 45°    | 200.5  | 253.0  | 340.9  | 384.4  | 415.8  | 467.1  | 587.9  | 756.3  | 765.1  | 789.5  | 940.1  |
| 42.5°  | 243.6  | 335.5  | 412.2  | 457.5  | 508.2  | 603.9  | 765.1  | 875.6  | 913.6  | 1020.8 | 1141.8 |
| 40°    | 313.4  | 415.3  | 482.2  | 540.1  | 605.3  | 745.0  | 921.6  | 1025.1 | 1056.0 | 1148.7 | 1239.8 |
| 37.5°  | 384.1  | 481.8  | 556.9  | 626.7  | 717.2  | 905.7  | 1110.0 | 1195.3 | 1211.0 | 1227.9 | 1429.6 |
| 35°    | 452.3  | 550.1  | 640.0  | 731.4  | 842.3  | 1113.6 | 1292.2 | 1372.4 | 1370.0 | 1484.5 | 1695.6 |
| 32.5°  | 516.0  | 619.9  | 726.0  | 848.2  | 1031.2 | 1309.2 | 1487.8 | 1535.9 | 1608.8 | 1775.4 | 2063.6 |
| 30°    | 579.7  | 697.8  | 819.6  | 965.2  | 1197.0 | 1437.9 | 1641.9 | 1719.2 | 1844.2 | 2034.3 | 2244.0 |
| 27.5°  | 645.2  | 777.6  | 924.9  | 1095.6 | 1327.9 | 1549.3 | 1723.5 | 1908.3 | 2029.7 | 2200.1 | 2349.3 |
| 25°    | 710.5  | 862.1  | 1028.9 | 1209.5 | 1421.4 | 1627.8 | 1808.0 | 2021.4 | 2151.7 | 2289.0 | 2428.3 |
| 22.5°  | 778.9  | 947.8  | 1136.1 | 1299.9 | 1500.3 | 1694.5 | 1909.0 | 2140.5 | 2309.9 | 2397.2 | 2490.7 |
| 20°    | 850.5  | 1040.5 | 1241.4 | 1422.8 | 1578.1 | 1756.5 | 2010.5 | 2291.7 | 2510.4 | 2608.7 | 2621.5 |
| 17.5°  | 921.0  | 1130.4 | 1346.3 | 1542.7 | 1710.2 | 1869.0 | 2117.0 | 2472.9 | 2744.9 | 2836.2 | 2876.8 |
| 15°    | 989.8  | 1216.8 | 1450.7 | 1659.4 | 1843.3 | 2037.5 | 2302.3 | 2664.2 | 2975.2 | 3076.2 | 3140.1 |
| 12.5°  | 1056.2 | 1299.2 | 1553.4 | 1772.2 | 1976.5 | 2194.3 | 2470.5 | 2801.8 | 3085.7 | 3281.1 | 3398.4 |
| 10°    | 1119.5 | 1377.0 | 1653.1 | 1880.5 | 2108.1 | 2339.7 | 2609.7 | 2904.4 | 3135.4 | 3324.0 | 3490.4 |
| 7.5°   | 1151.4 | 1427.8 | 1738.7 | 1983.5 | 2236.5 | 2474.2 | 2723.7 | 2976.6 | 3171.2 | 3356.2 | 3517.1 |
| 5°     | 1173.1 | 1448.7 | 1765.4 | 2019.5 | 2304.7 | 2563.8 | 2806.1 | 3024.1 | 3194.6 | 3377.9 | 3535.1 |
| 2.5°   | 1188.6 | 1462.3 | 1783.5 | 2039.2 | 2330.3 | 2591.4 | 2829.9 | 3040.0 | 3213.9 | 3393.5 | 3554.4 |
| 0°     | 1198.0 | 1468.7 | 1792.7 | 2051.3 | 2346.3 | 2609.5 | 2843.7 | 3046.0 | 3226.7 | 3401.0 | 3574.2 |
| -2.5°  | 1203.3 | 1488.3 | 1798.9 | 2082.4 | 2361.8 | 2625.1 | 2863.0 | 3060.4 | 3249.3 | 3415.2 | 3588.8 |
| -5°    | 1202.6 | 1500.0 | 1797.2 | 2103.2 | 2369.2 | 2631.2 | 2872.6 | 3066.9 | 3261.6 | 3425.8 | 3594.8 |
| -7.5°  | 1196.1 | 1502.7 | 1789.1 | 2109.8 | 2369.5 | 2629.2 | 2868.4 | 3070.1 | 3261.4 | 3435.5 | 3595.3 |
| -10°   | 1184.4 | 1492.1 | 1781.6 | 2092.8 | 2360.5 | 2618.5 | 2855.4 | 3063.2 | 3253.8 | 3433.5 | 3592.2 |
| -12.5° | 1170.7 | 1470.2 | 1766.0 | 2068.5 | 2342.0 | 2598.6 | 2835.8 | 3045.7 | 3239.6 | 3418.8 | 3585.1 |
| -15°   | 1150.1 | 1441.1 | 1740.4 | 2037.5 | 2313.8 | 2569.6 | 2810.2 | 3017.1 | 3217.6 | 3393.1 | 3563.8 |
| -17.5° | 1122.4 | 1405.0 | 1704.3 | 2000.8 | 2276.0 | 2531.8 | 2777.5 | 2979.3 | 3178.8 | 3360.2 | 3525.0 |
| -20°   | 1087.5 | 1362.2 | 1657.4 | 1959.0 | 2227.9 | 2481.0 | 2719.1 | 2930.4 | 3128.6 | 3313.1 | 3486.3 |

Classified

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

Scaled Data Report



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60°   | -57.5° | -55°   | -52.5° | -50°   | -47.5° | -45°   | -42.5° | -40°   | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 1045.3 | 1313.1 | 1600.9 | 1902.7 | 2167.9 | 2418.2 | 2653.4 | 2868.1 | 3073.5 | 3251.9 | 3436.4 |
| -25°   | 1003.1 | 1261.1 | 1538.4 | 1824.7 | 2098.2 | 2347.4 | 2583.3 | 2792.5 | 3002.4 | 3188.0 | 3363.3 |
| -27.5° | 962.6  | 1200.8 | 1466.0 | 1738.8 | 2019.3 | 2267.3 | 2501.0 | 2710.4 | 2914.2 | 3117.1 | 3285.8 |
| -30°   | 917.2  | 1131.1 | 1386.6 | 1647.1 | 1920.5 | 2173.1 | 2408.5 | 2625.7 | 2819.7 | 3020.1 | 3201.3 |
| -32.5° | 867.1  | 1057.1 | 1302.7 | 1553.3 | 1811.1 | 2069.2 | 2302.5 | 2518.3 | 2720.0 | 2909.6 | 3099.8 |
| -35°   | 818.1  | 997.3  | 1213.8 | 1452.6 | 1695.2 | 1948.5 | 2181.9 | 2395.6 | 2605.0 | 2792.7 | 2974.4 |
| -37.5° | 774.0  | 932.6  | 1119.3 | 1347.4 | 1579.3 | 1818.8 | 2056.2 | 2263.1 | 2462.4 | 2668.8 | 2845.9 |
| -40°   | 726.4  | 863.2  | 1037.5 | 1239.1 | 1457.6 | 1685.4 | 1912.7 | 2126.7 | 2314.1 | 2518.1 | 2712.9 |
| -42.5° | 676.4  | 806.6  | 956.7  | 1124.5 | 1330.7 | 1545.4 | 1764.9 | 1974.2 | 2168.8 | 2361.2 | 2554.3 |
| -45°   | 632.7  | 746.7  | 874.6  | 1027.8 | 1195.8 | 1397.7 | 1605.5 | 1814.2 | 2000.8 | 2184.3 | 2375.0 |
| -47.5° | 586.1  | 686.5  | 804.8  | 927.1  | 1073.1 | 1242.0 | 1437.4 | 1629.8 | 1820.9 | 1995.4 | 2164.2 |
| -50°   | 539.8  | 632.3  | 729.5  | 839.7  | 960.1  | 1097.0 | 1259.3 | 1438.2 | 1612.8 | 1791.9 | 1959.1 |
| -52.5° | 499.9  | 575.3  | 663.1  | 755.1  | 858.2  | 971.4  | 1101.5 | 1248.4 | 1407.2 | 1559.2 | 1726.0 |
| -55°   | 458.4  | 526.5  | 597.3  | 678.3  | 764.1  | 859.7  | 966.2  | 1089.8 | 1210.9 | 1351.5 | 1487.7 |
| -57.5° | 420.6  | 478.0  | 538.4  | 605.3  | 679.8  | 756.3  | 849.5  | 945.6  | 1055.5 | 1164.8 | 1272.6 |
| -60°   | 385.0  | 431.9  | 483.1  | 539.8  | 599.7  | 667.8  | 737.3  | 819.8  | 908.3  | 995.6  | 1087.0 |
| -62.5° | 349.1  | 388.5  | 430.3  | 477.3  | 529.6  | 581.0  | 640.4  | 703.9  | 769.1  | 843.0  | 915.2  |
| -65°   | 312.2  | 344.0  | 379.5  | 418.5  | 460.1  | 504.0  | 549.6  | 596.6  | 652.1  | 706.2  | 758.7  |
| -67.5° | 272.9  | 300.2  | 328.9  | 359.6  | 394.5  | 428.9  | 463.3  | 503.0  | 543.8  | 584.0  | 625.5  |
| -70°   | 229.4  | 255.2  | 279.1  | 304.0  | 329.9  | 356.9  | 386.3  | 415.4  | 444.2  | 474.2  | 507.6  |
| -72.5° | 185.2  | 208.9  | 229.9  | 248.3  | 269.7  | 292.1  | 313.5  | 334.0  | 355.7  | 378.5  | 401.1  |
| -75°   | 147.7  | 163.4  | 182.2  | 199.3  | 216.3  | 232.0  | 246.2  | 263.5  | 281.7  | 298.2  | 311.9  |
| -77.5° | 115.3  | 129.5  | 142.4  | 153.9  | 167.4  | 183.2  | 197.0  | 208.8  | 220.3  | 232.8  | 246.1  |
| -80°   | 83.9   | 95.7   | 107.4  | 118.0  | 125.8  | 134.7  | 145.3  | 157.4  | 167.8  | 176.4  | 184.1  |
| -82.5° | 54.1   | 62.7   | 71.4   | 80.2   | 83.8   | 86.3   | 88.6   | 92.8   | 99.3   | 105.7  | 111.8  |
| -85°   | 27.0   | 29.5   | 34.8   | 40.2   | 42.1   | 43.4   | 44.3   | 44.8   | 47.0   | 49.0   | 50.8   |
| -87.5° | 13.5   | 14.7   | 16.0   | 17.2   | 16.6   | 15.7   | 14.6   | 13.2   | 12.9   | 12.5   | 12.0   |
| -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: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-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°  | 0.7    | 0.8    | 0.8    | 0.8    | 0.8    | 0.6    | 0.4    | 0.2    | 0.0    | 0.0    | 0.0    |
| 85°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.8    | 0.8    | 0.8    | 0.6    | 0.4    |
| 82.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 80°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 77.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 75°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 72.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 67.5°  | 1.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.8    | 0.6    |
| 65°    | 1.3    | 1.3    | 1.3    | 1.3    | 1.1    | 1.1    | 1.1    | 1.1    | 1.0    | 0.8    | 0.5    |
| 62.5°  | 2.4    | 2.7    | 2.1    | 2.1    | 2.0    | 2.0    | 1.9    | 1.8    | 1.7    | 1.6    | 1.7    |
| 60°    | 14.7   | 8.7    | 5.1    | 5.9    | 5.3    | 3.5    | 4.5    | 5.3    | 5.4    | 4.9    | 4.3    |
| 57.5°  | 81.4   | 60.8   | 45.0   | 107.5  | 107.8  | 51.5   | 62.0   | 97.5   | 80.3   | 26.4   | 24.5   |
| 55°    | 226.5  | 270.9  | 356.5  | 338.6  | 344.1  | 395.8  | 432.2  | 382.6  | 375.1  | 399.7  | 461.8  |
| 52.5°  | 406.9  | 449.2  | 478.0  | 504.9  | 537.8  | 573.0  | 609.3  | 632.5  | 654.1  | 677.1  | 690.8  |
| 50°    | 519.6  | 579.2  | 620.2  | 605.1  | 690.0  | 724.8  | 689.5  | 721.0  | 759.5  | 770.0  | 774.9  |
| 47.5°  | 767.2  | 854.7  | 872.1  | 928.5  | 979.1  | 978.0  | 935.0  | 937.5  | 1051.9 | 1152.9 | 1202.4 |
| 45°    | 1102.6 | 1105.6 | 1160.6 | 1260.1 | 1331.2 | 1308.9 | 1368.9 | 1505.4 | 1550.8 | 1594.7 | 1630.7 |
| 42.5°  | 1233.3 | 1287.4 | 1375.2 | 1463.2 | 1516.2 | 1562.2 | 1606.7 | 1656.8 | 1715.8 | 1763.7 | 1801.9 |
| 40°    | 1359.8 | 1403.4 | 1493.3 | 1564.2 | 1608.1 | 1651.0 | 1702.8 | 1758.4 | 1812.4 | 1854.5 | 1883.2 |
| 37.5°  | 1554.5 | 1588.3 | 1610.2 | 1676.0 | 1759.1 | 1720.7 | 1819.0 | 1889.5 | 1921.7 | 1964.4 | 1968.2 |
| 35°    | 1849.2 | 1826.6 | 1797.5 | 2059.4 | 2075.0 | 1986.6 | 2078.5 | 2187.7 | 2130.2 | 2250.1 | 2314.5 |
| 32.5°  | 2110.3 | 2107.0 | 2335.5 | 2473.2 | 2394.0 | 2458.7 | 2670.5 | 2661.1 | 2802.3 | 2867.8 | 2849.1 |
| 30°    | 2356.4 | 2440.3 | 2572.5 | 2675.0 | 2688.8 | 2790.7 | 2884.8 | 2967.2 | 3052.5 | 3128.9 | 3134.2 |
| 27.5°  | 2481.3 | 2590.9 | 2680.6 | 2739.9 | 2806.1 | 2891.9 | 2977.3 | 3070.1 | 3142.6 | 3190.5 | 3202.2 |
| 25°    | 2556.8 | 2668.8 | 2736.7 | 2800.6 | 2873.7 | 2947.7 | 3043.3 | 3144.4 | 3202.6 | 3232.2 | 3241.6 |
| 22.5°  | 2623.5 | 2724.1 | 2797.1 | 2849.0 | 2927.6 | 3007.2 | 3096.3 | 3181.9 | 3245.1 | 3258.0 | 3262.8 |
| 20°    | 2687.6 | 2784.2 | 2906.2 | 2982.5 | 2978.7 | 3068.4 | 3154.3 | 3222.4 | 3275.1 | 3274.8 | 3276.0 |
| 17.5°  | 2873.1 | 2907.6 | 3129.0 | 3297.0 | 3213.8 | 3169.9 | 3406.1 | 3410.6 | 3424.6 | 3396.7 | 3336.4 |
| 15°    | 3147.8 | 3210.5 | 3482.5 | 3664.7 | 3607.4 | 3604.3 | 3945.5 | 3860.9 | 3933.7 | 3914.7 | 3996.6 |
| 12.5°  | 3438.7 | 3513.0 | 3716.3 | 3895.2 | 3980.4 | 4001.4 | 4115.4 | 4222.1 | 4244.1 | 4235.4 | 4219.3 |
| 10°    | 3636.9 | 3742.8 | 3824.5 | 3933.1 | 4019.0 | 4106.8 | 4172.8 | 4249.4 | 4274.6 | 4260.0 | 4239.5 |
| 7.5°   | 3662.7 | 3767.4 | 3863.3 | 3958.5 | 4040.4 | 4111.1 | 4179.6 | 4242.0 | 4267.5 | 4259.1 | 4245.0 |
| 5°     | 3679.1 | 3774.0 | 3866.9 | 3963.5 | 4041.9 | 4107.3 | 4175.6 | 4238.8 | 4253.9 | 4243.8 | 4230.0 |
| 2.5°   | 3689.2 | 3777.0 | 3866.5 | 3962.8 | 4033.9 | 4096.3 | 4165.4 | 4232.8 | 4232.7 | 4228.3 | 4220.2 |
| 0°     | 3694.1 | 3782.2 | 3886.1 | 3973.3 | 4052.9 | 4111.9 | 4180.3 | 4245.8 | 4241.1 | 4229.0 | 4214.9 |
| -2.5°  | 3704.6 | 3793.9 | 3900.0 | 3972.1 | 4061.9 | 4115.9 | 4186.7 | 4243.4 | 4241.2 | 4235.3 | 4228.3 |
| -5°    | 3714.0 | 3814.4 | 3913.7 | 3989.6 | 4079.5 | 4150.2 | 4220.5 | 4264.9 | 4267.3 | 4258.9 | 4247.2 |
| -7.5°  | 3719.8 | 3831.0 | 3925.7 | 4002.0 | 4089.2 | 4171.4 | 4242.7 | 4289.2 | 4290.3 | 4279.2 | 4265.2 |
| -10°   | 3717.9 | 3835.3 | 3932.7 | 4011.5 | 4100.9 | 4182.1 | 4256.6 | 4315.6 | 4313.7 | 4303.2 | 4291.2 |
| -12.5° | 3710.9 | 3828.1 | 3928.2 | 4007.2 | 4108.7 | 4192.3 | 4276.1 | 4334.8 | 4338.0 | 4330.0 | 4317.1 |
| -15°   | 3695.4 | 3816.5 | 3913.8 | 4000.1 | 4099.6 | 4197.3 | 4283.4 | 4348.2 | 4359.8 | 4353.3 | 4343.1 |
| -17.5° | 3664.9 | 3792.7 | 3895.9 | 3988.9 | 4084.3 | 4188.5 | 4286.4 | 4357.3 | 4373.1 | 4370.5 | 4362.1 |
| -20°   | 3624.8 | 3756.7 | 3861.5 | 3959.0 | 4062.8 | 4170.1 | 4284.1 | 4348.9 | 4371.8 | 4373.2 | 4367.5 |



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | -35°   | -32.5° | -30°   | -27.5° | -25°   | -22.5° | -20°   | -17.5° | -15°   | -12.5° | -10°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 3579.9 | 3708.9 | 3820.1 | 3915.9 | 4028.6 | 4137.1 | 4240.3 | 4316.2 | 4354.7 | 4361.9 | 4362.4 |
| -25°   | 3525.9 | 3658.5 | 3769.0 | 3871.1 | 3975.8 | 4087.9 | 4192.2 | 4276.9 | 4316.0 | 4334.6 | 4340.5 |
| -27.5° | 3449.7 | 3586.8 | 3695.5 | 3803.3 | 3909.9 | 4025.8 | 4135.3 | 4227.4 | 4259.2 | 4284.9 | 4295.2 |
| -30°   | 3360.4 | 3496.0 | 3606.8 | 3705.4 | 3827.3 | 3945.4 | 4058.5 | 4138.9 | 4186.8 | 4216.2 | 4232.2 |
| -32.5° | 3257.7 | 3394.6 | 3510.9 | 3613.9 | 3729.8 | 3847.8 | 3954.2 | 4039.0 | 4105.1 | 4139.0 | 4156.1 |
| -35°   | 3146.4 | 3286.1 | 3407.9 | 3516.4 | 3625.5 | 3738.0 | 3848.3 | 3936.9 | 4012.3 | 4041.3 | 4062.8 |
| -37.5° | 3012.1 | 3166.3 | 3291.1 | 3403.0 | 3506.7 | 3612.4 | 3727.2 | 3828.6 | 3901.7 | 3930.0 | 3952.6 |
| -40°   | 2874.4 | 3023.4 | 3149.3 | 3268.6 | 3371.2 | 3486.7 | 3597.2 | 3703.5 | 3766.9 | 3799.9 | 3825.5 |
| -42.5° | 2729.0 | 2863.6 | 2983.4 | 3099.3 | 3213.4 | 3332.3 | 3442.9 | 3553.2 | 3608.1 | 3647.8 | 3679.3 |
| -45°   | 2561.2 | 2686.4 | 2802.8 | 2911.3 | 3028.9 | 3145.9 | 3256.5 | 3354.0 | 3419.3 | 3471.0 | 3511.2 |
| -47.5° | 2337.5 | 2490.0 | 2606.9 | 2710.1 | 2826.7 | 2939.5 | 3046.7 | 3138.4 | 3210.0 | 3270.4 | 3317.1 |
| -50°   | 2110.2 | 2256.7 | 2388.5 | 2504.4 | 2612.6 | 2716.9 | 2818.9 | 2908.7 | 2984.4 | 3049.9 | 3097.2 |
| -52.5° | 1886.5 | 2023.7 | 2154.5 | 2274.1 | 2378.2 | 2476.6 | 2569.9 | 2660.2 | 2740.1 | 2810.1 | 2855.9 |
| -55°   | 1633.6 | 1775.8 | 1905.2 | 2016.7 | 2120.7 | 2218.0 | 2310.2 | 2395.8 | 2474.4 | 2545.7 | 2589.5 |
| -57.5° | 1396.5 | 1521.1 | 1641.5 | 1744.5 | 1842.6 | 1935.3 | 2022.6 | 2104.6 | 2180.3 | 2247.5 | 2289.7 |
| -60°   | 1178.4 | 1269.3 | 1372.9 | 1468.0 | 1555.0 | 1633.9 | 1715.4 | 1791.8 | 1861.4 | 1920.4 | 1959.8 |
| -62.5° | 985.7  | 1061.0 | 1135.9 | 1208.2 | 1278.7 | 1349.6 | 1417.8 | 1481.2 | 1539.3 | 1587.7 | 1622.2 |
| -65°   | 814.0  | 874.5  | 928.6  | 979.9  | 1028.7 | 1084.6 | 1136.5 | 1185.3 | 1230.5 | 1267.6 | 1293.9 |
| -67.5° | 670.3  | 712.8  | 750.2  | 785.4  | 823.9  | 863.4  | 900.4  | 932.7  | 960.3  | 982.2  | 999.6  |
| -70°   | 540.5  | 571.8  | 600.0  | 628.1  | 656.2  | 681.9  | 706.4  | 730.1  | 752.6  | 771.0  | 784.8  |
| -72.5° | 423.3  | 444.7  | 463.9  | 485.5  | 505.8  | 525.2  | 542.2  | 555.9  | 566.5  | 576.8  | 585.9  |
| -75°   | 322.7  | 338.8  | 360.5  | 378.8  | 393.9  | 407.3  | 419.5  | 430.4  | 440.0  | 448.5  | 456.0  |
| -77.5° | 259.5  | 273.2  | 287.0  | 300.4  | 313.3  | 322.9  | 331.8  | 340.7  | 349.5  | 357.0  | 363.6  |
| -80°   | 192.3  | 202.5  | 213.2  | 223.9  | 234.6  | 239.9  | 244.1  | 248.0  | 251.5  | 256.0  | 260.2  |
| -82.5° | 117.6  | 123.4  | 129.3  | 135.3  | 141.3  | 142.8  | 143.3  | 143.2  | 142.4  | 140.8  | 138.3  |
| -85°   | 52.3   | 52.6   | 52.5   | 51.9   | 50.9   | 48.8   | 46.2   | 43.3   | 40.0   | 39.5   | 38.9   |
| -87.5° | 11.5   | 11.2   | 10.9   | 10.6   | 10.2   | 10.1   | 10.1   | 10.0   | 10.0   | 10.3   | 10.6   |
| -90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-722-U-LAM-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    | 0.2    |
| 85°    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.4    | 0.6    | 0.8    | 0.8    |
| 82.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 80°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 77.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 75°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 72.5°  | 0.9    | 0.9    | 0.5    | 0.0    | 0.5    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°    | 0.9    | 0.9    | 0.5    | 0.0    | 0.5    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 67.5°  | 0.3    | 0.1    | 0.0    | 0.0    | 0.0    | 0.1    | 0.3    | 0.6    | 0.8    | 0.9    | 0.9    |
| 65°    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    | 0.5    | 0.8    | 1.0    | 1.1    |
| 62.5°  | 1.7    | 1.8    | 1.9    | 1.9    | 1.9    | 1.8    | 1.7    | 1.7    | 1.6    | 1.7    | 1.8    |
| 60°    | 3.4    | 2.2    | 1.9    | 1.9    | 1.9    | 2.2    | 3.4    | 4.3    | 4.9    | 5.4    | 5.3    |
| 57.5°  | 20.7   | 15.4   | 13.1   | 12.2   | 13.1   | 15.4   | 20.7   | 24.5   | 26.4   | 80.3   | 97.5   |
| 55°    | 506.2  | 532.0  | 551.2  | 560.1  | 551.2  | 532.0  | 506.2  | 461.8  | 399.7  | 375.1  | 382.6  |
| 52.5°  | 702.9  | 714.1  | 720.5  | 720.3  | 720.5  | 714.1  | 702.9  | 690.8  | 677.1  | 654.1  | 632.5  |
| 50°    | 783.4  | 788.8  | 790.8  | 789.6  | 790.8  | 788.8  | 783.4  | 774.9  | 770.0  | 759.5  | 721.0  |
| 47.5°  | 1157.1 | 1057.0 | 983.4  | 965.7  | 983.4  | 1057.0 | 1157.1 | 1202.4 | 1152.9 | 1051.9 | 937.5  |
| 45°    | 1648.0 | 1686.0 | 1723.9 | 1735.6 | 1723.9 | 1686.0 | 1648.0 | 1630.7 | 1594.7 | 1550.8 | 1505.4 |
| 42.5°  | 1818.0 | 1830.4 | 1837.4 | 1837.7 | 1837.4 | 1830.4 | 1818.0 | 1801.9 | 1763.7 | 1715.8 | 1656.8 |
| 40°    | 1899.2 | 1910.8 | 1917.6 | 1918.3 | 1917.6 | 1910.8 | 1899.2 | 1883.2 | 1854.5 | 1812.4 | 1758.4 |
| 37.5°  | 1972.9 | 1982.8 | 1989.4 | 1996.0 | 1989.4 | 1982.8 | 1972.9 | 1968.2 | 1964.4 | 1921.7 | 1889.5 |
| 35°    | 2305.8 | 2230.4 | 2121.9 | 2138.4 | 2121.9 | 2230.4 | 2305.8 | 2314.5 | 2250.1 | 2130.2 | 2187.7 |
| 32.5°  | 2878.3 | 2910.0 | 2929.8 | 2963.5 | 2929.8 | 2910.0 | 2878.3 | 2849.1 | 2867.8 | 2802.3 | 2661.1 |
| 30°    | 3142.5 | 3153.0 | 3168.8 | 3185.5 | 3168.8 | 3153.0 | 3142.5 | 3134.2 | 3128.9 | 3052.5 | 2967.2 |
| 27.5°  | 3208.4 | 3219.3 | 3228.9 | 3236.1 | 3228.9 | 3219.3 | 3208.4 | 3202.2 | 3190.5 | 3142.6 | 3070.1 |
| 25°    | 3242.9 | 3249.7 | 3259.9 | 3268.9 | 3259.9 | 3249.7 | 3242.9 | 3241.6 | 3232.2 | 3202.6 | 3144.4 |
| 22.5°  | 3260.0 | 3260.8 | 3268.8 | 3280.1 | 3268.8 | 3260.8 | 3260.0 | 3262.8 | 3258.0 | 3245.1 | 3181.9 |
| 20°    | 3271.8 | 3265.4 | 3273.7 | 3281.1 | 3273.7 | 3265.4 | 3271.8 | 3276.0 | 3274.8 | 3275.1 | 3222.4 |
| 17.5°  | 3421.6 | 3336.1 | 3301.0 | 3301.7 | 3301.0 | 3336.1 | 3421.6 | 3336.4 | 3396.7 | 3424.6 | 3410.6 |
| 15°    | 3904.6 | 3936.7 | 4059.6 | 4125.9 | 4059.6 | 3936.7 | 3904.6 | 3996.6 | 3914.7 | 3933.7 | 3860.9 |
| 12.5°  | 4216.3 | 4204.9 | 4190.4 | 4210.2 | 4190.4 | 4204.9 | 4216.3 | 4219.3 | 4235.4 | 4244.1 | 4222.1 |
| 10°    | 4230.7 | 4229.5 | 4203.5 | 4231.8 | 4203.5 | 4229.5 | 4230.7 | 4239.5 | 4260.0 | 4274.6 | 4249.4 |
| 7.5°   | 4221.9 | 4222.7 | 4211.7 | 4239.3 | 4211.7 | 4222.7 | 4221.9 | 4245.0 | 4259.1 | 4267.5 | 4242.0 |
| 5°     | 4227.7 | 4208.7 | 4215.9 | 4231.8 | 4215.9 | 4208.7 | 4227.7 | 4230.0 | 4243.8 | 4253.9 | 4238.8 |
| 2.5°   | 4211.4 | 4209.4 | 4195.4 | 4206.5 | 4195.4 | 4209.4 | 4211.4 | 4220.2 | 4228.3 | 4232.7 | 4232.8 |
| 0°     | 4199.0 | 4188.7 | 4188.7 | 4198.0 | 4188.7 | 4188.7 | 4199.0 | 4214.9 | 4229.0 | 4241.1 | 4245.8 |
| -2.5°  | 4221.1 | 4219.0 | 4217.6 | 4211.2 | 4217.6 | 4219.0 | 4221.1 | 4228.3 | 4235.3 | 4241.2 | 4243.4 |
| -5°    | 4239.4 | 4233.8 | 4218.4 | 4239.3 | 4218.4 | 4233.8 | 4239.4 | 4247.2 | 4258.9 | 4267.3 | 4264.9 |
| -7.5°  | 4258.9 | 4244.7 | 4230.1 | 4262.7 | 4230.1 | 4244.7 | 4258.9 | 4265.2 | 4279.2 | 4290.3 | 4289.2 |
| -10°   | 4276.9 | 4256.3 | 4242.1 | 4273.9 | 4242.1 | 4256.3 | 4276.9 | 4291.2 | 4303.2 | 4313.7 | 4315.6 |
| -12.5° | 4300.5 | 4276.4 | 4267.0 | 4284.2 | 4267.0 | 4276.4 | 4300.5 | 4317.1 | 4330.0 | 4338.0 | 4334.8 |
| -15°   | 4325.7 | 4309.0 | 4306.8 | 4317.0 | 4306.8 | 4309.0 | 4325.7 | 4343.1 | 4353.3 | 4359.8 | 4348.2 |
| -17.5° | 4347.8 | 4336.1 | 4341.9 | 4353.5 | 4341.9 | 4336.1 | 4347.8 | 4362.1 | 4370.5 | 4373.1 | 4357.3 |
| -20°   | 4358.4 | 4351.9 | 4358.4 | 4387.3 | 4358.4 | 4351.9 | 4358.4 | 4367.5 | 4373.2 | 4371.8 | 4348.9 |



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|        | -7.5°  | -5°    | -2.5°  | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 4357.5 | 4357.9 | 4369.4 | 4378.8 | 4369.4 | 4357.9 | 4357.5 | 4362.4 | 4361.9 | 4354.7 | 4316.2 |
| -25°   | 4340.9 | 4349.6 | 4362.8 | 4381.6 | 4362.8 | 4349.6 | 4340.9 | 4340.5 | 4334.6 | 4316.0 | 4276.9 |
| -27.5° | 4300.8 | 4315.3 | 4329.1 | 4348.8 | 4329.1 | 4315.3 | 4300.8 | 4295.2 | 4284.9 | 4259.2 | 4227.4 |
| -30°   | 4242.8 | 4260.1 | 4272.4 | 4293.6 | 4272.4 | 4260.1 | 4242.8 | 4232.2 | 4216.2 | 4186.8 | 4138.9 |
| -32.5° | 4172.2 | 4191.9 | 4206.4 | 4221.5 | 4206.4 | 4191.9 | 4172.2 | 4156.1 | 4139.0 | 4105.1 | 4039.0 |
| -35°   | 4084.0 | 4105.1 | 4120.6 | 4134.4 | 4120.6 | 4105.1 | 4084.0 | 4062.8 | 4041.3 | 4012.3 | 3936.9 |
| -37.5° | 3978.1 | 4000.8 | 4018.3 | 4034.1 | 4018.3 | 4000.8 | 3978.1 | 3952.6 | 3930.0 | 3901.7 | 3828.6 |
| -40°   | 3854.6 | 3877.9 | 3896.6 | 3914.2 | 3896.6 | 3877.9 | 3854.6 | 3825.5 | 3799.9 | 3766.9 | 3703.5 |
| -42.5° | 3710.3 | 3733.8 | 3753.1 | 3770.9 | 3753.1 | 3733.8 | 3710.3 | 3679.3 | 3647.8 | 3608.1 | 3553.2 |
| -45°   | 3543.5 | 3567.8 | 3588.2 | 3607.0 | 3588.2 | 3567.8 | 3543.5 | 3511.2 | 3471.0 | 3419.3 | 3354.0 |
| -47.5° | 3351.5 | 3377.5 | 3395.0 | 3403.8 | 3395.0 | 3377.5 | 3351.5 | 3317.1 | 3270.4 | 3210.0 | 3138.4 |
| -50°   | 3131.5 | 3157.4 | 3178.5 | 3194.0 | 3178.5 | 3157.4 | 3131.5 | 3097.2 | 3049.9 | 2984.4 | 2908.7 |
| -52.5° | 2889.3 | 2913.9 | 2932.0 | 2942.9 | 2932.0 | 2913.9 | 2889.3 | 2855.9 | 2810.1 | 2740.1 | 2660.2 |
| -55°   | 2624.0 | 2649.9 | 2667.0 | 2675.1 | 2667.0 | 2649.9 | 2624.0 | 2589.5 | 2545.7 | 2474.4 | 2395.8 |
| -57.5° | 2323.2 | 2347.8 | 2366.0 | 2376.3 | 2366.0 | 2347.8 | 2323.2 | 2289.7 | 2247.5 | 2180.3 | 2104.6 |
| -60°   | 1990.4 | 2012.4 | 2026.2 | 2031.6 | 2026.2 | 2012.4 | 1990.4 | 1959.8 | 1920.4 | 1861.4 | 1791.8 |
| -62.5° | 1650.0 | 1670.8 | 1683.7 | 1688.8 | 1683.7 | 1670.8 | 1650.0 | 1622.2 | 1587.7 | 1539.3 | 1481.2 |
| -65°   | 1313.5 | 1326.5 | 1333.7 | 1334.7 | 1333.7 | 1326.5 | 1313.5 | 1293.9 | 1267.6 | 1230.5 | 1185.3 |
| -67.5° | 1013.3 | 1023.2 | 1029.2 | 1031.2 | 1029.2 | 1023.2 | 1013.3 | 999.6  | 982.2  | 960.3  | 932.7  |
| -70°   | 795.1  | 801.9  | 805.8  | 806.5  | 805.8  | 801.9  | 795.1  | 784.8  | 771.0  | 752.6  | 730.1  |
| -72.5° | 592.8  | 597.7  | 596.0  | 592.0  | 596.0  | 597.7  | 592.8  | 585.9  | 576.8  | 566.5  | 555.9  |
| -75°   | 462.4  | 467.8  | 465.6  | 461.8  | 465.6  | 467.8  | 462.4  | 456.0  | 448.5  | 440.0  | 430.4  |
| -77.5° | 369.4  | 374.3  | 371.9  | 368.1  | 371.9  | 374.3  | 369.4  | 363.6  | 357.0  | 349.5  | 340.7  |
| -80°   | 263.8  | 266.7  | 268.8  | 269.8  | 268.8  | 266.7  | 263.8  | 260.2  | 256.0  | 251.5  | 248.0  |
| -82.5° | 135.1  | 131.1  | 128.6  | 125.5  | 128.6  | 131.1  | 135.1  | 138.3  | 140.8  | 142.4  | 143.2  |
| -85°   | 38.2   | 37.3   | 37.9   | 38.4   | 37.9   | 37.3   | 38.2   | 38.9   | 39.5   | 40.0   | 43.3   |
| -87.5° | 10.9   | 11.2   | 11.2   | 11.2   | 11.2   | 11.2   | 10.9   | 10.6   | 10.3   | 10.0   | 10.0   |
| -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: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

|        | 20°    | 22.5°  | 25°    | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 0.4    | 0.6    | 0.8    | 0.8    | 0.8    | 0.8    | 0.7    | 0.7    | 0.7    | 0.7    | 0.6    |
| 85°    | 0.8    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 82.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 80°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 77.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 75°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 72.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 70°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.0    |
| 67.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.0    | 0.9    | 0.9    | 0.9    | 1.1    |
| 65°    | 1.1    | 1.1    | 1.1    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    | 1.2    |
| 62.5°  | 1.9    | 2.0    | 2.0    | 2.1    | 2.1    | 2.7    | 2.4    | 2.4    | 2.2    | 2.7    | 3.6    |
| 60°    | 4.5    | 3.5    | 5.3    | 5.9    | 5.1    | 8.7    | 14.7   | 13.2   | 3.9    | 21.2   | 24.5   |
| 57.5°  | 62.0   | 51.5   | 107.8  | 107.5  | 45.0   | 60.8   | 81.4   | 53.6   | 35.1   | 60.1   | 79.4   |
| 55°    | 432.2  | 395.8  | 344.1  | 338.6  | 356.5  | 270.9  | 226.5  | 218.0  | 170.6  | 110.9  | 131.7  |
| 52.5°  | 609.3  | 573.0  | 537.8  | 504.9  | 478.0  | 449.2  | 406.9  | 361.2  | 346.5  | 279.0  | 215.2  |
| 50°    | 689.5  | 724.8  | 690.0  | 605.1  | 620.2  | 579.2  | 519.6  | 471.0  | 481.0  | 439.6  | 354.5  |
| 47.5°  | 935.0  | 978.0  | 979.1  | 928.5  | 872.1  | 854.7  | 767.2  | 615.3  | 625.5  | 623.7  | 533.5  |
| 45°    | 1368.9 | 1308.9 | 1331.2 | 1260.1 | 1160.6 | 1105.6 | 1102.6 | 940.1  | 789.5  | 765.1  | 756.3  |
| 42.5°  | 1606.7 | 1562.2 | 1516.2 | 1463.2 | 1375.2 | 1287.4 | 1233.3 | 1141.8 | 1020.8 | 913.6  | 875.6  |
| 40°    | 1702.8 | 1651.0 | 1608.1 | 1564.2 | 1493.3 | 1403.4 | 1359.8 | 1239.8 | 1148.7 | 1056.0 | 1025.1 |
| 37.5°  | 1819.0 | 1720.7 | 1759.1 | 1676.0 | 1610.2 | 1588.3 | 1554.5 | 1429.6 | 1227.9 | 1211.0 | 1195.3 |
| 35°    | 2078.5 | 1986.6 | 2075.0 | 2059.4 | 1797.5 | 1826.6 | 1849.2 | 1695.6 | 1484.5 | 1370.0 | 1372.4 |
| 32.5°  | 2670.5 | 2458.7 | 2394.0 | 2473.2 | 2335.5 | 2107.0 | 2110.3 | 2063.6 | 1775.4 | 1608.8 | 1535.9 |
| 30°    | 2884.8 | 2790.7 | 2688.8 | 2675.0 | 2572.5 | 2440.3 | 2356.4 | 2244.0 | 2034.3 | 1844.2 | 1719.2 |
| 27.5°  | 2977.3 | 2891.9 | 2806.1 | 2739.9 | 2680.6 | 2590.9 | 2481.3 | 2349.3 | 2200.1 | 2029.7 | 1908.3 |
| 25°    | 3043.3 | 2947.7 | 2873.7 | 2800.6 | 2736.7 | 2668.8 | 2556.8 | 2428.3 | 2289.0 | 2151.7 | 2021.4 |
| 22.5°  | 3096.3 | 3007.2 | 2927.6 | 2849.0 | 2797.1 | 2724.1 | 2623.5 | 2490.7 | 2397.2 | 2309.9 | 2140.5 |
| 20°    | 3154.3 | 3068.4 | 2978.7 | 2982.5 | 2906.2 | 2784.2 | 2687.6 | 2621.5 | 2608.7 | 2510.4 | 2291.7 |
| 17.5°  | 3406.1 | 3169.9 | 3213.8 | 3297.0 | 3129.0 | 2907.6 | 2873.1 | 2876.8 | 2836.2 | 2744.9 | 2472.9 |
| 15°    | 3945.5 | 3604.3 | 3607.4 | 3664.7 | 3482.5 | 3210.5 | 3147.8 | 3140.1 | 3076.2 | 2975.2 | 2664.2 |
| 12.5°  | 4115.4 | 4001.4 | 3980.4 | 3895.2 | 3716.3 | 3513.0 | 3438.7 | 3398.4 | 3281.1 | 3085.7 | 2801.8 |
| 10°    | 4172.8 | 4106.8 | 4019.0 | 3933.1 | 3824.5 | 3742.8 | 3636.9 | 3490.4 | 3324.0 | 3135.4 | 2904.4 |
| 7.5°   | 4179.6 | 4111.1 | 4040.4 | 3958.5 | 3863.3 | 3767.4 | 3662.7 | 3517.1 | 3356.2 | 3171.2 | 2976.6 |
| 5°     | 4175.6 | 4107.3 | 4041.9 | 3963.5 | 3866.9 | 3774.0 | 3679.1 | 3535.1 | 3377.9 | 3194.6 | 3024.1 |
| 2.5°   | 4165.4 | 4096.3 | 4033.9 | 3962.8 | 3866.5 | 3777.0 | 3689.2 | 3554.4 | 3393.5 | 3213.9 | 3040.0 |
| 0°     | 4180.3 | 4111.9 | 4052.9 | 3973.3 | 3886.1 | 3782.2 | 3694.1 | 3574.2 | 3401.0 | 3226.7 | 3046.0 |
| -2.5°  | 4186.7 | 4115.9 | 4061.9 | 3972.1 | 3900.0 | 3793.9 | 3704.6 | 3588.8 | 3415.2 | 3249.3 | 3060.4 |
| -5°    | 4220.5 | 4150.2 | 4079.5 | 3989.6 | 3913.7 | 3814.4 | 3714.0 | 3594.8 | 3425.8 | 3261.6 | 3066.9 |
| -7.5°  | 4242.7 | 4171.4 | 4089.2 | 4002.0 | 3925.7 | 3831.0 | 3719.8 | 3595.3 | 3435.5 | 3261.4 | 3070.1 |
| -10°   | 4256.6 | 4182.1 | 4100.9 | 4011.5 | 3932.7 | 3835.3 | 3717.9 | 3592.2 | 3433.5 | 3253.8 | 3063.2 |
| -12.5° | 4276.1 | 4192.3 | 4108.7 | 4007.2 | 3928.2 | 3828.1 | 3710.9 | 3585.1 | 3418.8 | 3239.6 | 3045.7 |
| -15°   | 4283.4 | 4197.3 | 4099.6 | 4000.1 | 3913.8 | 3816.5 | 3695.4 | 3563.8 | 3393.1 | 3217.6 | 3017.1 |
| -17.5° | 4286.4 | 4188.5 | 4084.3 | 3988.9 | 3895.9 | 3792.7 | 3664.9 | 3525.0 | 3360.2 | 3178.8 | 2979.3 |
| -20°   | 4284.1 | 4170.1 | 4062.8 | 3959.0 | 3861.5 | 3756.7 | 3624.8 | 3486.3 | 3313.1 | 3128.6 | 2930.4 |



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 20°    | 22.5°  | 25°    | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 4240.3 | 4137.1 | 4028.6 | 3915.9 | 3820.1 | 3708.9 | 3579.9 | 3436.4 | 3251.9 | 3073.5 | 2868.1 |
| -25°   | 4192.2 | 4087.9 | 3975.8 | 3871.1 | 3769.0 | 3658.5 | 3525.9 | 3363.3 | 3188.0 | 3002.4 | 2792.5 |
| -27.5° | 4135.3 | 4025.8 | 3909.9 | 3803.3 | 3695.5 | 3586.8 | 3449.7 | 3285.8 | 3117.1 | 2914.2 | 2710.4 |
| -30°   | 4058.5 | 3945.4 | 3827.3 | 3705.4 | 3606.8 | 3496.0 | 3360.4 | 3201.3 | 3020.1 | 2819.7 | 2625.7 |
| -32.5° | 3954.2 | 3847.8 | 3729.8 | 3613.9 | 3510.9 | 3394.6 | 3257.7 | 3099.8 | 2909.6 | 2720.0 | 2518.3 |
| -35°   | 3848.3 | 3738.0 | 3625.5 | 3516.4 | 3407.9 | 3286.1 | 3146.4 | 2974.4 | 2792.7 | 2605.0 | 2395.6 |
| -37.5° | 3727.2 | 3612.4 | 3506.7 | 3403.0 | 3291.1 | 3166.3 | 3012.1 | 2845.9 | 2668.8 | 2462.4 | 2263.1 |
| -40°   | 3597.2 | 3486.7 | 3371.2 | 3268.6 | 3149.3 | 3023.4 | 2874.4 | 2712.9 | 2518.1 | 2314.1 | 2126.7 |
| -42.5° | 3442.9 | 3332.3 | 3213.4 | 3099.3 | 2983.4 | 2863.6 | 2729.0 | 2554.3 | 2361.2 | 2168.8 | 1974.2 |
| -45°   | 3256.5 | 3145.9 | 3028.9 | 2911.3 | 2802.8 | 2686.4 | 2561.2 | 2375.0 | 2184.3 | 2000.8 | 1814.2 |
| -47.5° | 3046.7 | 2939.5 | 2826.7 | 2710.1 | 2606.9 | 2490.0 | 2337.5 | 2164.2 | 1995.4 | 1820.9 | 1629.8 |
| -50°   | 2818.9 | 2716.9 | 2612.6 | 2504.4 | 2388.5 | 2256.7 | 2110.2 | 1959.1 | 1791.9 | 1612.8 | 1438.2 |
| -52.5° | 2569.9 | 2476.6 | 2378.2 | 2274.1 | 2154.5 | 2023.7 | 1886.5 | 1726.0 | 1559.2 | 1407.2 | 1248.4 |
| -55°   | 2310.2 | 2218.0 | 2120.7 | 2016.7 | 1905.2 | 1775.8 | 1633.6 | 1487.7 | 1351.5 | 1210.9 | 1089.8 |
| -57.5° | 2022.6 | 1935.3 | 1842.6 | 1744.5 | 1641.5 | 1521.1 | 1396.5 | 1272.6 | 1164.8 | 1055.5 | 945.6  |
| -60°   | 1715.4 | 1633.9 | 1555.0 | 1468.0 | 1372.9 | 1269.3 | 1178.4 | 1087.0 | 995.6  | 908.3  | 819.8  |
| -62.5° | 1417.8 | 1349.6 | 1278.7 | 1208.2 | 1135.9 | 1061.0 | 985.7  | 915.2  | 843.0  | 769.1  | 703.9  |
| -65°   | 1136.5 | 1084.6 | 1028.7 | 979.9  | 928.6  | 874.5  | 814.0  | 758.7  | 706.2  | 652.1  | 596.6  |
| -67.5° | 900.4  | 863.4  | 823.9  | 785.4  | 750.2  | 712.8  | 670.3  | 625.5  | 584.0  | 543.8  | 503.0  |
| -70°   | 706.4  | 681.9  | 656.2  | 628.1  | 600.0  | 571.8  | 540.5  | 507.6  | 474.2  | 444.2  | 415.4  |
| -72.5° | 542.2  | 525.2  | 505.8  | 485.5  | 463.9  | 444.7  | 423.3  | 401.1  | 378.5  | 355.7  | 334.0  |
| -75°   | 419.5  | 407.3  | 393.9  | 378.8  | 360.5  | 338.8  | 322.7  | 311.9  | 298.2  | 281.7  | 263.5  |
| -77.5° | 331.8  | 322.9  | 313.3  | 300.4  | 287.0  | 273.2  | 259.5  | 246.1  | 232.8  | 220.3  | 208.8  |
| -80°   | 244.1  | 239.9  | 234.6  | 223.9  | 213.2  | 202.5  | 192.3  | 184.1  | 176.4  | 167.8  | 157.4  |
| -82.5° | 143.3  | 142.8  | 141.3  | 135.3  | 129.3  | 123.4  | 117.6  | 111.8  | 105.7  | 99.3   | 92.8   |
| -85°   | 46.2   | 48.8   | 50.9   | 51.9   | 52.5   | 52.6   | 52.3   | 50.8   | 49.0   | 47.0   | 44.8   |
| -87.5° | 10.1   | 10.1   | 10.2   | 10.6   | 10.9   | 11.2   | 11.5   | 12.0   | 12.5   | 12.9   | 13.2   |
| -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: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-722-U-LAM-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°  | 0.6    | 0.6    | 0.5    | 0.5    | 0.5    | 0.4    | 0.4    | 0.4   | 0.4   | 0.5   | 0.5   |
| 85°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.8    | 0.8   | 0.9   | 1.0   | 1.0   |
| 82.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   | 1.2   | 1.4   | 1.5   |
| 80°    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9   | 1.2   | 1.4   | 1.7   |
| 77.5°  | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 1.0   | 1.2   | 1.4   | 1.7   |
| 75°    | 0.9    | 0.9    | 0.9    | 0.9    | 1.0    | 0.9    | 0.9    | 1.0   | 1.2   | 1.5   | 1.7   |
| 72.5°  | 0.9    | 0.9    | 0.9    | 1.0    | 1.2    | 1.2    | 1.1    | 1.0   | 1.2   | 1.5   | 1.7   |
| 70°    | 1.0    | 1.0    | 0.9    | 1.1    | 1.3    | 1.5    | 1.5    | 1.5   | 1.3   | 1.5   | 1.7   |
| 67.5°  | 1.4    | 1.4    | 1.3    | 1.3    | 1.4    | 1.6    | 1.8    | 2.1   | 2.1   | 1.6   | 1.8   |
| 65°    | 1.4    | 1.7    | 2.0    | 2.6    | 2.3    | 1.6    | 1.9    | 3.7   | 2.9   | 2.5   | 1.8   |
| 62.5°  | 3.1    | 1.7    | 5.9    | 7.9    | 4.5    | 3.5    | 2.8    | 8.2   | 5.1   | 3.5   | 2.5   |
| 60°    | 7.3    | 6.0    | 16.5   | 26.5   | 18.5   | 6.2    | 9.2    | 14.2  | 13.0  | 4.5   | 3.5   |
| 57.5°  | 68.7   | 23.6   | 34.2   | 49.5   | 48.6   | 26.4   | 19.2   | 25.7  | 22.1  | 12.7  | 5.0   |
| 55°    | 146.7  | 123.4  | 81.5   | 74.6   | 80.6   | 65.1   | 42.3   | 41.6  | 34.1  | 23.6  | 8.1   |
| 52.5°  | 201.2  | 210.0  | 182.7  | 127.7  | 111.2  | 105.9  | 82.7   | 60.3  | 53.5  | 35.5  | 20.5  |
| 50°    | 291.2  | 271.2  | 268.5  | 225.4  | 155.9  | 141.1  | 122.1  | 94.2  | 75.1  | 50.7  | 34.7  |
| 47.5°  | 411.4  | 361.4  | 334.9  | 315.5  | 248.7  | 179.9  | 160.2  | 128.8 | 98.9  | 73.1  | 49.5  |
| 45°    | 587.9  | 467.1  | 415.8  | 384.4  | 340.9  | 253.0  | 200.5  | 162.4 | 128.9 | 98.1  | 65.0  |
| 42.5°  | 765.1  | 603.9  | 508.2  | 457.5  | 412.2  | 335.5  | 243.6  | 201.2 | 158.1 | 123.6 | 84.7  |
| 40°    | 921.6  | 745.0  | 605.3  | 540.1  | 482.2  | 415.3  | 313.4  | 242.7 | 186.8 | 149.8 | 107.1 |
| 37.5°  | 1110.0 | 905.7  | 717.2  | 626.7  | 556.9  | 481.8  | 384.1  | 286.0 | 221.2 | 177.3 | 129.6 |
| 35°    | 1292.2 | 1113.6 | 842.3  | 731.4  | 640.0  | 550.1  | 452.3  | 337.2 | 263.5 | 205.2 | 152.0 |
| 32.5°  | 1487.8 | 1309.2 | 1031.2 | 848.2  | 726.0  | 619.9  | 516.0  | 399.5 | 306.1 | 233.5 | 174.3 |
| 30°    | 1641.9 | 1437.9 | 1197.0 | 965.2  | 819.6  | 697.8  | 579.7  | 459.2 | 348.7 | 262.1 | 196.9 |
| 27.5°  | 1723.5 | 1549.3 | 1327.9 | 1095.6 | 924.9  | 777.6  | 645.2  | 516.3 | 391.3 | 293.4 | 220.4 |
| 25°    | 1808.0 | 1627.8 | 1421.4 | 1209.5 | 1028.9 | 862.1  | 710.5  | 570.8 | 437.8 | 328.8 | 243.6 |
| 22.5°  | 1909.0 | 1694.5 | 1500.3 | 1299.9 | 1136.1 | 947.8  | 778.9  | 625.9 | 484.3 | 363.5 | 266.5 |
| 20°    | 2010.5 | 1756.5 | 1578.1 | 1422.8 | 1241.4 | 1040.5 | 850.5  | 679.7 | 528.1 | 397.3 | 288.9 |
| 17.5°  | 2117.0 | 1869.0 | 1710.2 | 1542.7 | 1346.3 | 1130.4 | 921.0  | 731.7 | 569.3 | 430.0 | 310.6 |
| 15°    | 2302.3 | 2037.5 | 1843.3 | 1659.4 | 1450.7 | 1216.8 | 989.8  | 781.8 | 607.6 | 461.4 | 330.8 |
| 12.5°  | 2470.5 | 2194.3 | 1976.5 | 1772.2 | 1553.4 | 1299.2 | 1056.2 | 829.4 | 643.2 | 486.5 | 348.8 |
| 10°    | 2609.7 | 2339.7 | 2108.1 | 1880.5 | 1653.1 | 1377.0 | 1119.5 | 868.2 | 664.5 | 505.2 | 365.4 |
| 7.5°   | 2723.7 | 2474.2 | 2236.5 | 1983.5 | 1738.7 | 1427.8 | 1151.4 | 890.8 | 681.0 | 521.1 | 380.6 |
| 5°     | 2806.1 | 2563.8 | 2304.7 | 2019.5 | 1765.4 | 1448.7 | 1173.1 | 909.2 | 694.4 | 534.4 | 394.2 |
| 2.5°   | 2829.9 | 2591.4 | 2330.3 | 2039.2 | 1783.5 | 1462.3 | 1188.6 | 923.3 | 704.6 | 545.2 | 406.3 |
| 0°     | 2843.7 | 2609.5 | 2346.3 | 2051.3 | 1792.7 | 1468.7 | 1198.0 | 932.9 | 711.9 | 553.6 | 416.8 |
| -2.5°  | 2863.0 | 2625.1 | 2361.8 | 2082.4 | 1798.9 | 1488.3 | 1203.3 | 939.2 | 721.1 | 556.6 | 422.9 |
| -5°    | 2872.6 | 2631.2 | 2369.2 | 2103.2 | 1797.2 | 1500.0 | 1202.6 | 941.2 | 727.0 | 557.6 | 427.4 |
| -7.5°  | 2868.4 | 2629.2 | 2369.5 | 2109.8 | 1789.1 | 1502.7 | 1196.1 | 939.1 | 729.5 | 556.9 | 430.2 |
| -10°   | 2855.4 | 2618.5 | 2360.5 | 2092.8 | 1781.6 | 1492.1 | 1184.4 | 933.1 | 728.0 | 554.5 | 431.3 |
| -12.5° | 2835.8 | 2598.6 | 2342.0 | 2068.5 | 1766.0 | 1470.2 | 1170.7 | 922.9 | 722.1 | 550.6 | 430.6 |
| -15°   | 2810.2 | 2569.6 | 2313.8 | 2037.5 | 1740.4 | 1441.1 | 1150.1 | 908.0 | 710.7 | 546.3 | 428.0 |
| -17.5° | 2777.5 | 2531.8 | 2276.0 | 2000.8 | 1704.3 | 1405.0 | 1122.4 | 888.7 | 696.4 | 540.9 | 422.9 |
| -20°   | 2719.1 | 2481.0 | 2227.9 | 1959.0 | 1657.4 | 1362.2 | 1087.5 | 864.9 | 679.3 | 533.4 | 415.5 |



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 47.5°  | 50°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°   | 67.5° | 70°   | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| -22.5° | 2653.4 | 2418.2 | 2167.9 | 1902.7 | 1600.9 | 1313.1 | 1045.3 | 836.5 | 659.7 | 523.5 | 406.7 |
| -25°   | 2583.3 | 2347.4 | 2098.2 | 1824.7 | 1538.4 | 1261.1 | 1003.1 | 803.8 | 637.5 | 511.4 | 396.4 |
| -27.5° | 2501.0 | 2267.3 | 2019.3 | 1738.8 | 1466.0 | 1200.8 | 962.6  | 774.7 | 616.1 | 496.9 | 384.8 |
| -30°   | 2408.5 | 2173.1 | 1920.5 | 1647.1 | 1386.6 | 1131.1 | 917.2  | 743.7 | 598.0 | 481.0 | 371.8 |
| -32.5° | 2302.5 | 2069.2 | 1811.1 | 1553.3 | 1302.7 | 1057.1 | 867.1  | 710.5 | 577.0 | 464.2 | 359.7 |
| -35°   | 2181.9 | 1948.5 | 1695.2 | 1452.6 | 1213.8 | 997.3  | 818.1  | 675.3 | 553.2 | 446.0 | 347.1 |
| -37.5° | 2056.2 | 1818.8 | 1579.3 | 1347.4 | 1119.3 | 932.6  | 774.0  | 640.6 | 526.7 | 426.6 | 333.0 |
| -40°   | 1912.7 | 1685.4 | 1457.6 | 1239.1 | 1037.5 | 863.2  | 726.4  | 606.2 | 501.7 | 405.9 | 317.7 |
| -42.5° | 1764.9 | 1545.4 | 1330.7 | 1124.5 | 956.7  | 806.6  | 676.4  | 569.3 | 475.2 | 385.9 | 301.1 |
| -45°   | 1605.5 | 1397.7 | 1195.8 | 1027.8 | 874.6  | 746.7  | 632.7  | 530.9 | 447.0 | 365.4 | 283.9 |
| -47.5° | 1437.4 | 1242.0 | 1073.1 | 927.1  | 804.8  | 686.5  | 586.1  | 497.8 | 417.4 | 343.4 | 266.7 |
| -50°   | 1259.3 | 1097.0 | 960.1  | 839.7  | 729.5  | 632.3  | 539.8  | 463.1 | 390.2 | 319.1 | 248.7 |
| -52.5° | 1101.5 | 971.4  | 858.2  | 755.1  | 663.1  | 575.3  | 499.9  | 427.6 | 362.3 | 295.9 | 229.8 |
| -55°   | 966.2  | 859.7  | 764.1  | 678.3  | 597.3  | 526.5  | 458.4  | 396.0 | 333.5 | 272.6 | 210.8 |
| -57.5° | 849.5  | 756.3  | 679.8  | 605.3  | 538.4  | 478.0  | 420.6  | 363.7 | 305.9 | 248.5 | 195.6 |
| -60°   | 737.3  | 667.8  | 599.7  | 539.8  | 483.1  | 431.9  | 385.0  | 331.4 | 278.1 | 224.4 | 178.8 |
| -62.5° | 640.4  | 581.0  | 529.6  | 477.3  | 430.3  | 388.5  | 349.1  | 299.8 | 249.5 | 202.1 | 160.6 |
| -65°   | 549.6  | 504.0  | 460.1  | 418.5  | 379.5  | 344.0  | 312.2  | 267.5 | 220.8 | 178.5 | 141.7 |
| -67.5° | 463.3  | 428.9  | 394.5  | 359.6  | 328.9  | 300.2  | 272.9  | 232.5 | 190.8 | 153.6 | 122.9 |
| -70°   | 386.3  | 356.9  | 329.9  | 304.0  | 279.1  | 255.2  | 229.4  | 195.3 | 159.4 | 131.3 | 103.7 |
| -72.5° | 313.5  | 292.1  | 269.7  | 248.3  | 229.9  | 208.9  | 185.2  | 158.6 | 133.5 | 108.6 | 84.1  |
| -75°   | 246.2  | 232.0  | 216.3  | 199.3  | 182.2  | 163.4  | 147.7  | 129.1 | 107.2 | 85.5  | 67.8  |
| -77.5° | 197.0  | 183.2  | 167.4  | 153.9  | 142.4  | 129.5  | 115.3  | 99.1  | 81.7  | 66.5  | 52.4  |
| -80°   | 145.3  | 134.7  | 125.8  | 118.0  | 107.4  | 95.7   | 83.9   | 72.1  | 59.4  | 47.6  | 36.7  |
| -82.5° | 88.6   | 86.3   | 83.8   | 80.2   | 71.4   | 62.7   | 54.1   | 45.7  | 36.8  | 28.4  | 23.5  |
| -85°   | 44.3   | 43.4   | 42.1   | 40.2   | 34.8   | 29.5   | 27.0   | 24.5  | 21.4  | 18.5  | 15.7  |
| -87.5° | 14.6   | 15.7   | 16.6   | 17.2   | 16.0   | 14.7   | 13.5   | 12.2  | 10.7  | 9.3   | 7.9   |
| -90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |

Classified

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

Scaled Data Report



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-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°  | 0.5   | 0.4   | 0.3   | 0.2   | 0.2 | 0.1   | 0.0 |
| 85°    | 1.0   | 0.8   | 0.7   | 0.5   | 0.3 | 0.2   | 0.0 |
| 82.5°  | 1.5   | 1.2   | 1.0   | 0.7   | 0.5 | 0.3   | 0.0 |
| 80°    | 1.9   | 1.6   | 1.3   | 1.0   | 0.7 | 0.4   | 0.0 |
| 77.5°  | 1.9   | 1.9   | 1.6   | 1.2   | 0.8 | 0.5   | 0.0 |
| 75°    | 1.9   | 2.0   | 1.9   | 1.5   | 1.0 | 0.6   | 0.0 |
| 72.5°  | 1.9   | 2.0   | 2.0   | 1.7   | 1.2 | 0.7   | 0.0 |
| 70°    | 2.0   | 2.1   | 2.1   | 1.9   | 1.3 | 0.8   | 0.0 |
| 67.5°  | 2.2   | 2.2   | 2.2   | 2.0   | 1.5 | 0.9   | 0.0 |
| 65°    | 2.5   | 2.5   | 2.3   | 2.1   | 1.7 | 1.0   | 0.0 |
| 62.5°  | 3.0   | 3.1   | 2.4   | 2.2   | 1.8 | 1.1   | 0.0 |
| 60°    | 3.5   | 3.8   | 2.5   | 2.3   | 2.0 | 1.2   | 0.0 |
| 57.5°  | 6.4   | 4.5   | 3.2   | 2.4   | 2.1 | 1.3   | 0.0 |
| 55°    | 10.2  | 5.3   | 4.0   | 2.5   | 2.2 | 1.4   | 0.0 |
| 52.5°  | 14.7  | 6.8   | 4.8   | 2.6   | 2.3 | 1.5   | 0.0 |
| 50°    | 19.7  | 11.6  | 5.6   | 2.7   | 2.4 | 1.6   | 0.0 |
| 47.5°  | 26.6  | 16.8  | 6.5   | 2.9   | 2.5 | 1.7   | 0.0 |
| 45°    | 40.1  | 22.3  | 7.5   | 3.6   | 2.7 | 1.8   | 0.0 |
| 42.5°  | 53.9  | 28.2  | 8.4   | 4.3   | 2.8 | 1.8   | 0.0 |
| 40°    | 68.1  | 34.5  | 11.4  | 5.3   | 2.9 | 1.9   | 0.0 |
| 37.5°  | 82.5  | 41.1  | 16.2  | 6.4   | 3.0 | 2.0   | 0.0 |
| 35°    | 97.2  | 51.0  | 21.2  | 7.6   | 3.1 | 2.1   | 0.0 |
| 32.5°  | 113.0 | 62.6  | 26.2  | 9.0   | 3.2 | 2.2   | 0.0 |
| 30°    | 131.2 | 74.0  | 31.3  | 10.5  | 3.4 | 2.2   | 0.0 |
| 27.5°  | 149.0 | 85.3  | 37.5  | 12.1  | 3.5 | 2.3   | 0.0 |
| 25°    | 166.4 | 96.5  | 44.0  | 13.7  | 3.6 | 2.4   | 0.0 |
| 22.5°  | 183.2 | 107.8 | 50.3  | 15.5  | 3.7 | 2.4   | 0.0 |
| 20°    | 199.5 | 120.0 | 56.7  | 17.3  | 3.9 | 2.5   | 0.0 |
| 17.5°  | 215.6 | 131.8 | 62.9  | 19.1  | 4.0 | 2.5   | 0.0 |
| 15°    | 231.1 | 143.2 | 69.0  | 20.9  | 4.1 | 2.6   | 0.0 |
| 12.5°  | 245.6 | 154.0 | 74.9  | 22.7  | 4.2 | 2.6   | 0.0 |
| 10°    | 259.1 | 164.2 | 80.5  | 24.5  | 4.3 | 2.7   | 0.0 |
| 7.5°   | 271.4 | 173.7 | 85.8  | 26.3  | 4.4 | 2.7   | 0.0 |
| 5°     | 282.6 | 182.5 | 90.7  | 27.9  | 4.5 | 2.8   | 0.0 |
| 2.5°   | 292.7 | 190.5 | 95.2  | 29.5  | 4.6 | 2.8   | 0.0 |
| 0°     | 301.6 | 197.6 | 99.3  | 30.9  | 4.7 | 2.8   | 0.0 |
| -2.5°  | 306.0 | 202.1 | 103.1 | 32.9  | 5.4 | 3.0   | 0.0 |
| -5°    | 309.3 | 205.7 | 106.3 | 34.8  | 6.1 | 3.1   | 0.0 |
| -7.5°  | 311.3 | 208.3 | 108.9 | 36.4  | 6.8 | 3.3   | 0.0 |
| -10°   | 312.3 | 209.9 | 110.9 | 37.9  | 7.5 | 3.4   | 0.0 |
| -12.5° | 312.1 | 210.6 | 112.2 | 39.1  | 8.2 | 3.5   | 0.0 |
| -15°   | 310.9 | 210.3 | 112.9 | 40.1  | 8.8 | 3.6   | 0.0 |
| -17.5° | 308.6 | 209.0 | 112.8 | 40.8  | 9.3 | 3.7   | 0.0 |
| -20°   | 305.1 | 206.8 | 112.0 | 41.2  | 9.8 | 3.8   | 0.0 |

Classified

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

Scaled Data Report



REPORT NUMBER: P645451 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

|        | 75°   | 77.5° | 80°   | 82.5° | 85°  | 87.5° | 90° |
|--------|-------|-------|-------|-------|------|-------|-----|
| -22.5° | 300.0 | 203.6 | 110.4 | 41.3  | 10.3 | 3.9   | 0.0 |
| -25°   | 293.7 | 198.7 | 108.0 | 41.1  | 10.7 | 4.0   | 0.0 |
| -27.5° | 286.2 | 192.6 | 104.9 | 40.6  | 11.1 | 4.0   | 0.0 |
| -30°   | 277.6 | 185.7 | 101.0 | 39.8  | 11.4 | 4.0   | 0.0 |
| -32.5° | 267.8 | 177.9 | 96.4  | 38.6  | 11.6 | 4.1   | 0.0 |
| -35°   | 257.2 | 169.4 | 91.3  | 37.1  | 11.7 | 4.1   | 0.0 |
| -37.5° | 245.8 | 160.8 | 85.7  | 35.2  | 11.8 | 4.0   | 0.0 |
| -40°   | 233.6 | 152.9 | 79.5  | 33.0  | 11.8 | 4.0   | 0.0 |
| -42.5° | 220.5 | 144.6 | 74.9  | 30.6  | 11.8 | 3.9   | 0.0 |
| -45°   | 206.5 | 135.7 | 71.7  | 28.2  | 11.6 | 3.9   | 0.0 |
| -47.5° | 191.8 | 126.3 | 68.0  | 25.5  | 11.4 | 3.8   | 0.0 |
| -50°   | 179.5 | 116.4 | 63.7  | 24.6  | 11.1 | 3.6   | 0.0 |
| -52.5° | 167.2 | 106.0 | 58.8  | 24.1  | 10.8 | 3.5   | 0.0 |
| -55°   | 154.4 | 98.1  | 53.4  | 23.3  | 10.3 | 3.4   | 0.0 |
| -57.5° | 141.1 | 90.1  | 47.5  | 22.3  | 9.8  | 3.2   | 0.0 |
| -60°   | 127.6 | 81.4  | 41.3  | 21.1  | 9.3  | 3.0   | 0.0 |
| -62.5° | 115.3 | 72.0  | 38.4  | 19.6  | 8.7  | 2.8   | 0.0 |
| -65°   | 102.1 | 62.0  | 35.1  | 17.9  | 8.1  | 2.6   | 0.0 |
| -67.5° | 88.1  | 53.6  | 31.3  | 15.9  | 7.4  | 2.4   | 0.0 |
| -70°   | 73.3  | 46.9  | 27.3  | 13.8  | 6.7  | 2.2   | 0.0 |
| -72.5° | 62.0  | 39.7  | 22.9  | 12.2  | 6.0  | 1.9   | 0.0 |
| -75°   | 50.7  | 32.1  | 18.2  | 10.6  | 5.2  | 1.7   | 0.0 |
| -77.5° | 38.8  | 24.1  | 15.0  | 8.9   | 4.4  | 1.4   | 0.0 |
| -80°   | 26.5  | 18.3  | 12.1  | 7.2   | 3.5  | 1.1   | 0.0 |
| -82.5° | 19.4  | 13.9  | 9.2   | 5.4   | 2.7  | 0.9   | 0.0 |
| -85°   | 13.0  | 9.3   | 6.2   | 3.7   | 1.8  | 0.6   | 0.0 |
| -87.5° | 6.5   | 4.7   | 3.1   | 1.8   | 0.9  | 0.3   | 0.0 |
| -90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0 |

(END OF REPORT)