

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-NR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-727-U-NR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW SYMMETRICAL ROUND N87
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27227.4 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 3H x 3V
Max Intensity: 256414.2 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.7°H x 13.6°V
Beam Lumens: 8049.9 lumens
Beam Efficiency: 29.6%

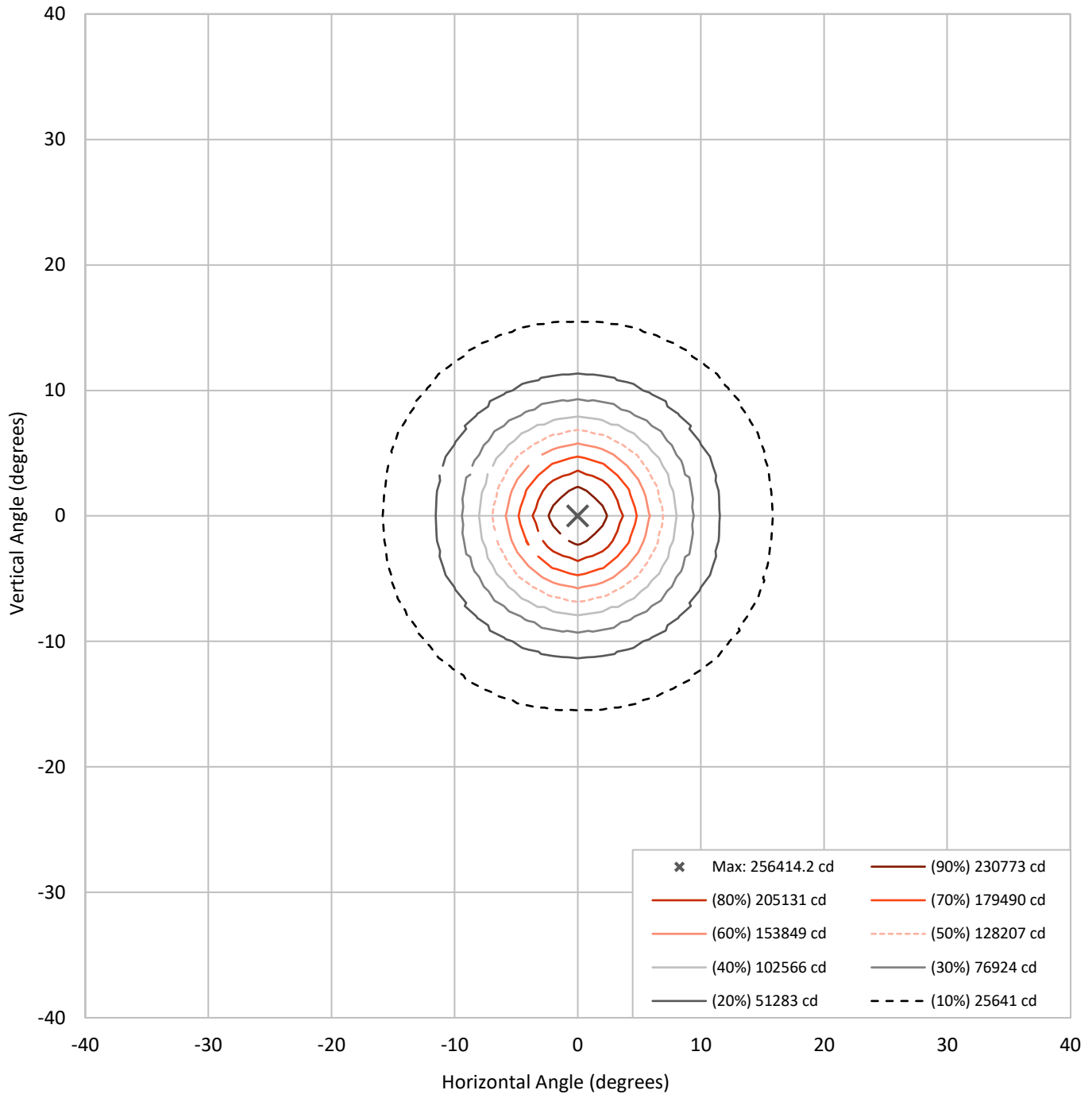
Field Angle (10%): 31.6°H x 30.6°V
Field Lumens: 18115.7 lumens
Field Efficiency: 66.5%

Input Watts (W): 221.4
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: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

Iso-Candela Plot





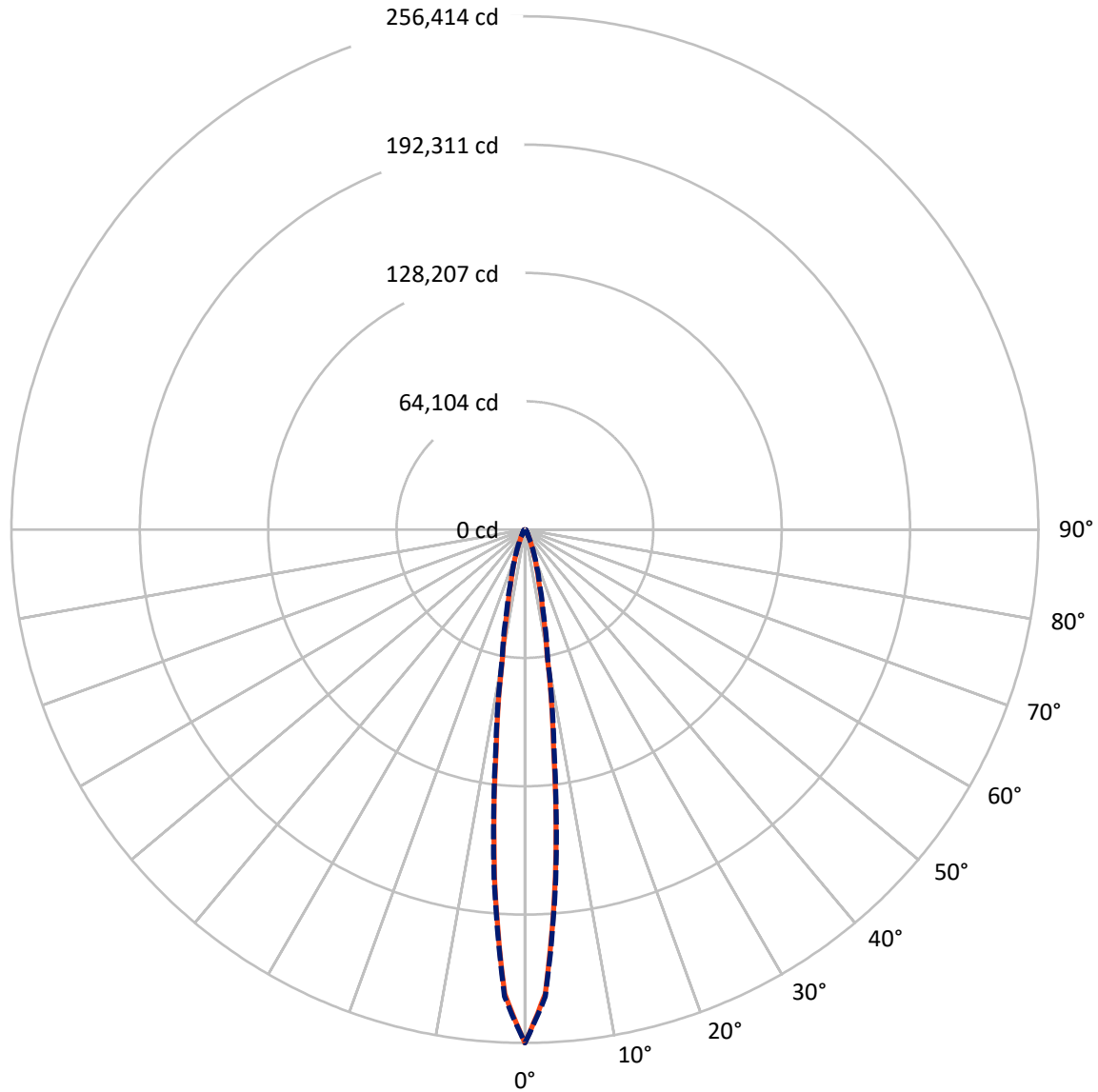
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Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|------|-------|-------|--------|--------|-------|-------|------|------|------|-----|-----|----|----|----|
| 90 | | | | | | | | | | | | | | | | | | | |
| 80 | 0.5 | 3.7 | | 9.8 | | 15.8 | | 17.3 | | 15.8 | | 9.8 | | 3.7 | | 0.5 | | | |
| 70 | | | | | | | | | | | | | | | | | | | |
| 60 | 1.7 | 1.9 | 3.9 | 6.4 | 9.1 | 11.2 | 12.6 | 13.1 | 13.1 | 12.6 | 11.2 | 9.1 | 6.4 | 3.9 | 1.9 | 1.7 | | | |
| 50 | | 2.9 | 5.9 | 9.6 | 12.9 | 15.7 | 17.6 | 18.3 | 18.3 | 17.6 | 15.7 | 12.9 | 9.6 | 5.9 | 2.9 | | | | |
| 40 | 3.0 | 3.8 | 7.6 | 11.8 | 15.7 | 19.8 | 23.3 | 25.1 | 25.1 | 23.3 | 19.8 | 15.7 | 11.8 | 7.6 | 3.8 | 3.0 | | | |
| 30 | | 4.6 | 9.0 | 13.7 | 19.4 | 27.8 | 39.2 | 48.6 | 48.6 | 39.2 | 27.8 | 19.4 | 13.7 | 9.0 | 4.6 | | | | |
| 20 | 3.9 | 5.1 | 9.8 | 15.4 | 25.1 | 49.8 | 113.3 | 187.5 | 187.5 | 113.3 | 49.8 | 25.1 | 15.4 | 9.8 | 5.1 | 3.9 | | | |
| 10 | | 5.5 | 10.3 | 17.0 | 33.3 | 105.6 | 375.1 | 807.9 | 807.9 | 375.1 | 105.6 | 33.3 | 17.0 | 10.3 | 5.5 | | | | |
| 0 | 4.1 | 5.7 | 10.6 | 18.0 | 40.2 | 174.1 | 815.4 | 3522.5 | 3522.5 | 815.4 | 174.1 | 40.2 | 18.0 | 10.6 | 5.7 | 4.1 | | | |
| -10 | | 5.7 | 10.6 | 18.0 | 40.2 | 174.1 | 815.4 | 3522.5 | 3522.5 | 815.4 | 174.1 | 40.2 | 18.0 | 10.6 | 5.7 | | | | |
| -20 | 3.9 | 5.5 | 10.3 | 17.0 | 33.3 | 105.6 | 375.1 | 807.9 | 807.9 | 375.1 | 105.6 | 33.3 | 17.0 | 10.3 | 5.5 | 3.9 | | | |
| -30 | | 5.1 | 9.8 | 15.4 | 25.1 | 49.8 | 113.3 | 187.5 | 187.5 | 113.3 | 49.8 | 25.1 | 15.4 | 9.8 | 5.1 | | | | |
| -40 | 3.0 | 4.6 | 9.0 | 13.7 | 19.4 | 27.8 | 39.2 | 48.6 | 48.6 | 39.2 | 27.8 | 19.4 | 13.7 | 9.0 | 4.6 | 3.0 | | | |
| -50 | | 3.8 | 7.6 | 11.8 | 15.7 | 19.8 | 23.3 | 25.1 | 25.1 | 23.3 | 19.8 | 15.7 | 11.8 | 7.6 | 3.8 | | | | |
| -60 | 1.7 | 2.9 | 5.9 | 9.6 | 12.9 | 15.7 | 17.6 | 18.3 | 18.3 | 17.6 | 15.7 | 12.9 | 9.6 | 5.9 | 2.9 | 1.7 | | | |
| -70 | | 1.9 | 3.9 | 6.4 | 9.1 | 11.2 | 12.6 | 13.1 | 13.1 | 12.6 | 11.2 | 9.1 | 6.4 | 3.9 | 1.9 | | | | |
| -80 | | | | | | | | | | | | | | | | | | | |
| -90 | 0.5 | 3.7 | | 9.8 | | 15.8 | | 17.3 | | 15.8 | | 9.8 | | 3.7 | | 0.5 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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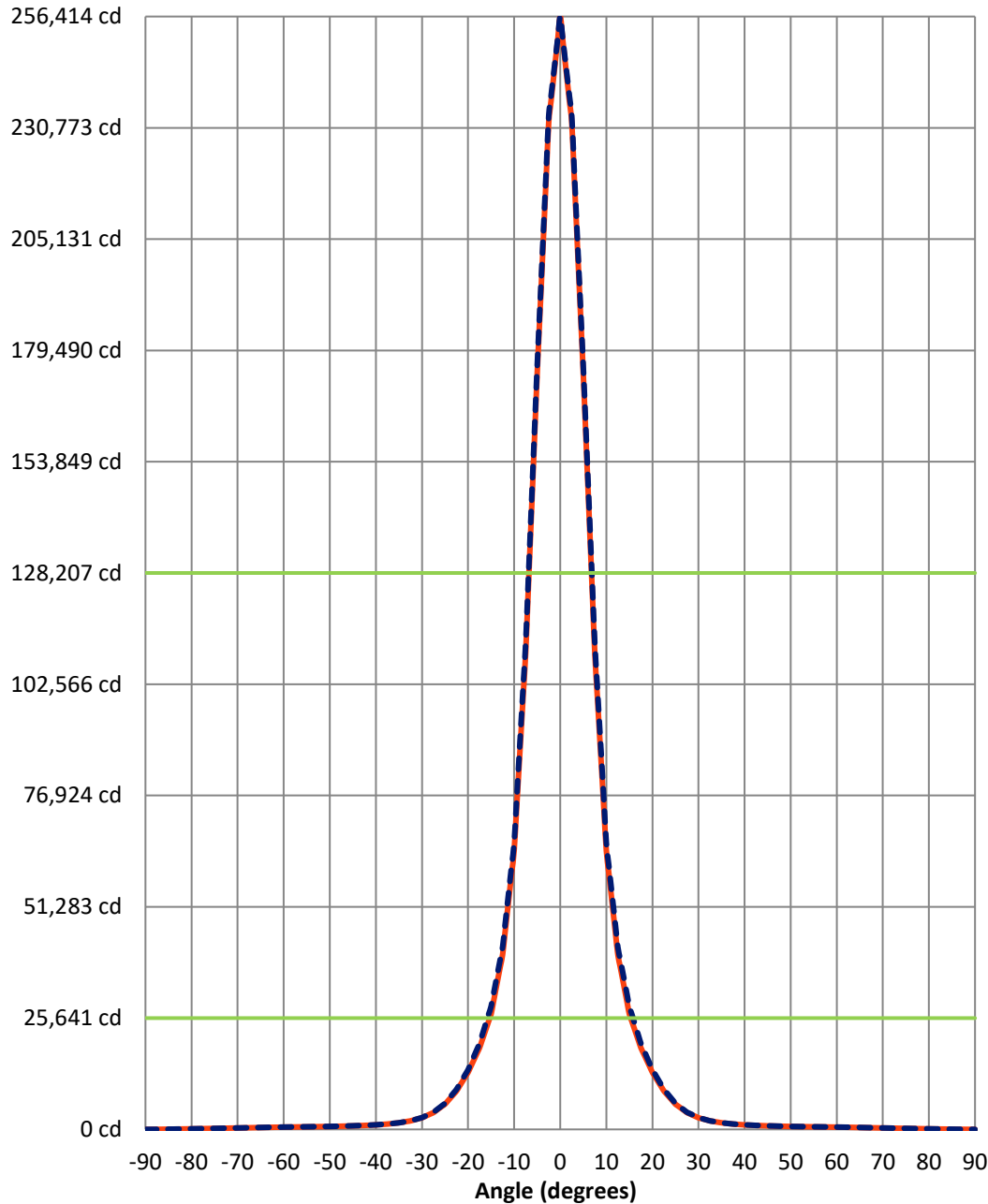
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 13.7°
 V Angle: 13.6°
 Lumens: 8049.9
 Efficiency: 29.6%

Field:
 H Angle: 31.6°
 V Angle: 30.6°
 Lumens: 18115.7
 Efficiency: 66.5%

Spill:
 Lumens: 9111.7
 Efficiency: 33.5%

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

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Scaled Data Report



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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 | 0.8 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.6 | 7.5 | 8.4 | 9.3 |
| 85° | 0.0 | 1.7 | 3.8 | 5.7 | 7.6 | 9.5 | 11.4 | 13.2 | 15.0 | 16.8 | 18.6 |
| 82.5° | 0.0 | 2.5 | 5.7 | 8.6 | 11.4 | 14.2 | 17.0 | 19.8 | 22.8 | 26.8 | 30.7 |
| 80° | 0.0 | 3.3 | 7.6 | 11.4 | 15.2 | 19.0 | 23.0 | 28.5 | 33.9 | 39.2 | 44.5 |
| 77.5° | 0.0 | 4.2 | 9.5 | 14.2 | 19.0 | 24.3 | 31.3 | 38.2 | 45.0 | 51.6 | 58.7 |
| 75° | 0.0 | 5.0 | 11.3 | 17.0 | 22.9 | 30.9 | 39.5 | 47.8 | 56.1 | 65.4 | 74.6 |
| 72.5° | 0.0 | 5.7 | 13.1 | 19.8 | 27.9 | 37.4 | 47.6 | 57.8 | 68.8 | 79.7 | 90.3 |
| 70° | 0.0 | 6.5 | 14.8 | 22.7 | 32.8 | 43.7 | 55.6 | 68.8 | 81.4 | 93.8 | 107.6 |
| 67.5° | 0.0 | 7.3 | 16.5 | 26.1 | 37.6 | 49.9 | 64.8 | 79.7 | 93.8 | 109.6 | 125.1 |
| 65° | 0.0 | 8.0 | 18.1 | 29.5 | 42.3 | 56.7 | 73.9 | 90.3 | 107.6 | 125.1 | 143.5 |
| 62.5° | 0.0 | 8.7 | 19.7 | 32.8 | 46.8 | 64.1 | 82.7 | 101.9 | 121.3 | 141.0 | 164.2 |
| 60° | 0.0 | 9.4 | 21.2 | 36.0 | 51.2 | 71.3 | 91.3 | 113.5 | 134.6 | 158.8 | 184.2 |
| 57.5° | 0.0 | 10.1 | 23.2 | 39.1 | 56.7 | 78.3 | 100.8 | 124.9 | 149.2 | 176.0 | 203.6 |
| 55° | 0.0 | 10.8 | 25.2 | 42.1 | 62.2 | 85.1 | 110.2 | 135.8 | 163.8 | 192.6 | 222.2 |
| 52.5° | 0.0 | 11.4 | 27.0 | 45.0 | 67.5 | 91.9 | 119.2 | 147.6 | 177.7 | 208.4 | 240.1 |
| 50° | 0.0 | 12.0 | 28.9 | 47.7 | 72.6 | 99.2 | 128.0 | 159.2 | 191.1 | 223.6 | 257.3 |
| 47.5° | 0.0 | 12.5 | 30.7 | 50.6 | 77.5 | 106.2 | 136.6 | 170.3 | 203.8 | 238.0 | 274.2 |
| 45° | 0.0 | 13.0 | 32.4 | 54.1 | 82.2 | 112.9 | 145.7 | 181.0 | 216.0 | 252.9 | 290.6 |
| 42.5° | 0.0 | 13.5 | 34.0 | 57.5 | 86.7 | 119.4 | 154.5 | 191.3 | 227.8 | 267.2 | 306.6 |
| 40° | 0.0 | 14.0 | 35.6 | 60.8 | 91.2 | 125.5 | 162.9 | 201.0 | 239.3 | 281.1 | 322.1 |
| 37.5° | 0.0 | 14.4 | 37.2 | 63.9 | 95.9 | 131.3 | 170.8 | 210.3 | 250.8 | 294.1 | 337.2 |
| 35° | 0.0 | 14.8 | 38.6 | 66.9 | 100.2 | 137.2 | 178.2 | 219.0 | 261.5 | 306.3 | 351.7 |
| 32.5° | 0.0 | 15.2 | 40.0 | 69.7 | 104.3 | 143.0 | 185.2 | 227.1 | 271.4 | 317.7 | 364.2 |
| 30° | 0.0 | 15.5 | 41.3 | 72.4 | 108.1 | 148.4 | 191.7 | 234.8 | 280.4 | 328.3 | 375.7 |
| 27.5° | 0.0 | 15.8 | 42.5 | 74.8 | 111.8 | 153.4 | 197.7 | 242.1 | 288.7 | 338.1 | 386.0 |
| 25° | 0.0 | 16.0 | 43.7 | 77.0 | 115.2 | 158.0 | 203.2 | 248.7 | 296.6 | 346.6 | 395.1 |
| 22.5° | 0.0 | 16.2 | 44.7 | 79.1 | 118.3 | 162.1 | 208.1 | 254.6 | 303.6 | 354.1 | 403.1 |
| 20° | 0.0 | 16.4 | 45.7 | 80.9 | 121.1 | 165.6 | 212.6 | 259.7 | 309.9 | 360.5 | 410.2 |
| 17.5° | 0.0 | 16.5 | 46.5 | 82.5 | 123.6 | 168.7 | 216.2 | 264.1 | 315.3 | 365.9 | 416.6 |
| 15° | 0.0 | 16.6 | 47.2 | 83.9 | 125.8 | 171.2 | 219.2 | 267.9 | 319.9 | 370.3 | 422.0 |
| 12.5° | 0.0 | 16.7 | 47.9 | 85.1 | 127.6 | 173.2 | 221.7 | 271.5 | 323.8 | 373.7 | 426.6 |
| 10° | 0.0 | 16.7 | 48.4 | 86.1 | 129.1 | 174.6 | 223.5 | 274.5 | 326.8 | 377.3 | 430.9 |
| 7.5° | 0.0 | 16.7 | 48.8 | 86.9 | 130.3 | 175.6 | 224.8 | 277.0 | 328.9 | 380.4 | 436.0 |
| 5° | 0.0 | 16.7 | 49.2 | 87.5 | 131.1 | 176.1 | 225.5 | 278.7 | 330.0 | 382.7 | 440.1 |
| 2.5° | 0.0 | 16.6 | 49.3 | 87.8 | 131.6 | 176.2 | 225.6 | 279.8 | 330.2 | 384.1 | 443.1 |
| 0° | 0.0 | 16.5 | 49.4 | 87.9 | 131.8 | 175.8 | 225.2 | 280.2 | 329.6 | 384.6 | 445.0 |
| -2.5° | 0.0 | 16.6 | 49.3 | 87.8 | 131.6 | 176.2 | 225.6 | 279.8 | 330.2 | 384.1 | 443.1 |
| -5° | 0.0 | 16.7 | 49.2 | 87.5 | 131.1 | 176.1 | 225.5 | 278.7 | 330.0 | 382.7 | 440.1 |
| -7.5° | 0.0 | 16.7 | 48.8 | 86.9 | 130.3 | 175.6 | 224.8 | 277.0 | 328.9 | 380.4 | 436.0 |
| -10° | 0.0 | 16.7 | 48.4 | 86.1 | 129.1 | 174.6 | 223.5 | 274.5 | 326.8 | 377.3 | 430.9 |
| -12.5° | 0.0 | 16.7 | 47.9 | 85.1 | 127.6 | 173.2 | 221.7 | 271.5 | 323.8 | 373.7 | 426.6 |
| -15° | 0.0 | 16.6 | 47.2 | 83.9 | 125.8 | 171.2 | 219.2 | 267.9 | 319.9 | 370.3 | 422.0 |
| -17.5° | 0.0 | 16.5 | 46.5 | 82.5 | 123.6 | 168.7 | 216.2 | 264.1 | 315.3 | 365.9 | 416.6 |
| -20° | 0.0 | 16.4 | 45.7 | 80.9 | 121.1 | 165.6 | 212.6 | 259.7 | 309.9 | 360.5 | 410.2 |

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1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|-------|--------|-------|--------|-------|--------|-------|
| -22.5° | 0.0 | 16.2 | 44.7 | 79.1 | 118.3 | 162.1 | 208.1 | 254.6 | 303.6 | 354.1 | 403.1 |
| -25° | 0.0 | 16.0 | 43.7 | 77.0 | 115.2 | 158.0 | 203.2 | 248.7 | 296.6 | 346.6 | 395.1 |
| -27.5° | 0.0 | 15.8 | 42.5 | 74.8 | 111.8 | 153.4 | 197.7 | 242.1 | 288.7 | 338.1 | 386.0 |
| -30° | 0.0 | 15.5 | 41.3 | 72.4 | 108.1 | 148.4 | 191.7 | 234.8 | 280.4 | 328.3 | 375.7 |
| -32.5° | 0.0 | 15.2 | 40.0 | 69.7 | 104.3 | 143.0 | 185.2 | 227.1 | 271.4 | 317.7 | 364.2 |
| -35° | 0.0 | 14.8 | 38.6 | 66.9 | 100.2 | 137.2 | 178.2 | 219.0 | 261.5 | 306.3 | 351.7 |
| -37.5° | 0.0 | 14.4 | 37.2 | 63.9 | 95.9 | 131.3 | 170.8 | 210.3 | 250.8 | 294.1 | 337.2 |
| -40° | 0.0 | 14.0 | 35.6 | 60.8 | 91.2 | 125.5 | 162.9 | 201.0 | 239.3 | 281.1 | 322.1 |
| -42.5° | 0.0 | 13.5 | 34.0 | 57.5 | 86.7 | 119.4 | 154.5 | 191.3 | 227.8 | 267.2 | 306.6 |
| -45° | 0.0 | 13.0 | 32.4 | 54.1 | 82.2 | 112.9 | 145.7 | 181.0 | 216.0 | 252.9 | 290.6 |
| -47.5° | 0.0 | 12.5 | 30.7 | 50.6 | 77.5 | 106.2 | 136.6 | 170.3 | 203.8 | 238.0 | 274.2 |
| -50° | 0.0 | 12.0 | 28.9 | 47.7 | 72.6 | 99.2 | 128.0 | 159.2 | 191.1 | 223.6 | 257.3 |
| -52.5° | 0.0 | 11.4 | 27.0 | 45.0 | 67.5 | 91.9 | 119.2 | 147.6 | 177.7 | 208.4 | 240.1 |
| -55° | 0.0 | 10.8 | 25.2 | 42.1 | 62.2 | 85.1 | 110.2 | 135.8 | 163.8 | 192.6 | 222.2 |
| -57.5° | 0.0 | 10.1 | 23.2 | 39.1 | 56.7 | 78.3 | 100.8 | 124.9 | 149.2 | 176.0 | 203.6 |
| -60° | 0.0 | 9.4 | 21.2 | 36.0 | 51.2 | 71.3 | 91.3 | 113.5 | 134.6 | 158.8 | 184.2 |
| -62.5° | 0.0 | 8.7 | 19.7 | 32.8 | 46.8 | 64.1 | 82.7 | 101.9 | 121.3 | 141.0 | 164.2 |
| -65° | 0.0 | 8.0 | 18.1 | 29.5 | 42.3 | 56.7 | 73.9 | 90.3 | 107.6 | 125.1 | 143.5 |
| -67.5° | 0.0 | 7.3 | 16.5 | 26.1 | 37.6 | 49.9 | 64.8 | 79.7 | 93.8 | 109.6 | 125.1 |
| -70° | 0.0 | 6.5 | 14.8 | 22.7 | 32.8 | 43.7 | 55.6 | 68.8 | 81.4 | 93.8 | 107.6 |
| -72.5° | 0.0 | 5.7 | 13.1 | 19.8 | 27.9 | 37.4 | 47.6 | 57.8 | 68.8 | 79.7 | 90.3 |
| -75° | 0.0 | 5.0 | 11.3 | 17.0 | 22.9 | 30.9 | 39.5 | 47.8 | 56.1 | 65.4 | 74.6 |
| -77.5° | 0.0 | 4.2 | 9.5 | 14.2 | 19.0 | 24.3 | 31.3 | 38.2 | 45.0 | 51.6 | 58.7 |
| -80° | 0.0 | 3.3 | 7.6 | 11.4 | 15.2 | 19.0 | 23.0 | 28.5 | 33.9 | 39.2 | 44.5 |
| -82.5° | 0.0 | 2.5 | 5.7 | 8.6 | 11.4 | 14.2 | 17.0 | 19.8 | 22.8 | 26.8 | 30.7 |
| -85° | 0.0 | 1.7 | 3.8 | 5.7 | 7.6 | 9.5 | 11.4 | 13.2 | 15.0 | 16.8 | 18.6 |
| -87.5° | 0.0 | 0.8 | 1.9 | 2.9 | 3.8 | 4.8 | 5.7 | 6.6 | 7.5 | 8.4 | 9.3 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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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° | 10.2 | 11.0 | 11.8 | 12.6 | 13.4 | 14.1 | 14.9 | 15.6 | 16.2 | 16.9 | 17.5 |
| 85° | 20.3 | 22.0 | 24.4 | 26.8 | 28.8 | 30.6 | 32.1 | 33.3 | 35.6 | 38.0 | 40.4 |
| 82.5° | 34.6 | 38.3 | 42.0 | 45.6 | 48.1 | 50.0 | 51.9 | 54.7 | 59.6 | 64.2 | 68.5 |
| 80° | 49.6 | 54.6 | 60.3 | 65.9 | 70.7 | 75.5 | 80.5 | 85.6 | 90.9 | 95.9 | 100.7 |
| 77.5° | 66.2 | 73.6 | 80.7 | 87.7 | 94.7 | 102.1 | 109.3 | 116.3 | 122.9 | 129.3 | 135.3 |
| 75° | 83.6 | 92.4 | 102.1 | 111.6 | 120.9 | 129.9 | 138.7 | 148.1 | 157.1 | 165.7 | 173.9 |
| 72.5° | 101.9 | 113.5 | 125.0 | 136.1 | 148.1 | 160.0 | 171.4 | 182.4 | 193.1 | 204.3 | 216.1 |
| 70° | 121.3 | 134.6 | 149.5 | 163.8 | 177.2 | 191.3 | 205.4 | 217.5 | 229.1 | 244.5 | 260.3 |
| 67.5° | 141.2 | 159.3 | 176.1 | 192.2 | 210.1 | 226.7 | 241.1 | 256.5 | 273.0 | 290.8 | 306.4 |
| 65° | 164.8 | 184.4 | 204.0 | 224.3 | 245.0 | 262.3 | 280.3 | 299.4 | 318.0 | 335.8 | 352.7 |
| 62.5° | 188.0 | 210.2 | 232.6 | 254.8 | 276.1 | 296.9 | 318.6 | 339.8 | 360.3 | 380.9 | 399.1 |
| 60° | 210.4 | 235.5 | 259.3 | 282.5 | 306.6 | 332.3 | 356.4 | 379.9 | 404.5 | 427.8 | 440.1 |
| 57.5° | 232.0 | 258.9 | 283.7 | 309.7 | 338.1 | 367.1 | 392.3 | 419.0 | 440.1 | 456.3 | 472.2 |
| 55° | 252.3 | 280.3 | 307.5 | 336.7 | 367.5 | 397.7 | 425.8 | 449.6 | 469.0 | 483.9 | 500.6 |
| 52.5° | 271.4 | 300.9 | 330.4 | 362.4 | 395.0 | 427.2 | 456.7 | 479.0 | 496.4 | 511.6 | 527.4 |
| 50° | 290.1 | 321.0 | 352.3 | 387.3 | 422.3 | 456.6 | 485.4 | 505.8 | 522.3 | 537.9 | 554.1 |
| 47.5° | 308.5 | 340.9 | 374.6 | 411.9 | 449.8 | 482.9 | 510.2 | 528.9 | 545.5 | 563.9 | 581.6 |
| 45° | 326.5 | 361.6 | 397.3 | 437.3 | 475.5 | 507.3 | 530.5 | 549.3 | 569.8 | 589.6 | 608.6 |
| 42.5° | 344.1 | 381.9 | 420.6 | 462.2 | 499.0 | 527.8 | 549.4 | 571.5 | 593.6 | 614.8 | 636.2 |
| 40° | 361.8 | 401.5 | 442.5 | 483.9 | 520.9 | 545.7 | 568.6 | 592.4 | 616.8 | 639.8 | 663.5 |
| 37.5° | 378.8 | 419.9 | 462.2 | 503.9 | 537.6 | 562.8 | 586.5 | 612.8 | 638.5 | 663.6 | 694.5 |
| 35° | 395.0 | 436.7 | 479.3 | 519.7 | 552.2 | 578.1 | 604.8 | 632.4 | 659.4 | 691.8 | 727.1 |
| 32.5° | 409.4 | 451.7 | 494.9 | 532.6 | 564.3 | 592.3 | 622.2 | 651.0 | 683.5 | 720.2 | 762.5 |
| 30° | 421.6 | 464.9 | 508.2 | 545.0 | 576.0 | 605.7 | 638.1 | 669.9 | 707.9 | 751.9 | 802.2 |
| 27.5° | 432.3 | 476.7 | 518.9 | 555.7 | 587.1 | 616.7 | 650.8 | 691.0 | 734.5 | 783.9 | 843.1 |
| 25° | 442.3 | 488.6 | 528.9 | 565.4 | 596.1 | 627.0 | 663.5 | 707.9 | 760.3 | 819.8 | 892.2 |
| 22.5° | 451.8 | 500.1 | 539.1 | 574.6 | 603.0 | 636.4 | 677.6 | 725.9 | 782.8 | 852.6 | 940.7 |
| 20° | 460.8 | 508.7 | 547.2 | 581.9 | 608.3 | 644.7 | 690.0 | 741.5 | 806.3 | 889.5 | 991.4 |
| 17.5° | 469.1 | 516.0 | 553.5 | 586.2 | 615.2 | 653.5 | 700.9 | 754.3 | 826.7 | 923.0 | 1038.0 |
| 15° | 476.6 | 522.2 | 558.7 | 589.7 | 621.3 | 662.7 | 712.3 | 770.2 | 849.3 | 954.9 | 1079.2 |
| 12.5° | 483.3 | 527.2 | 562.6 | 592.4 | 626.2 | 670.2 | 722.4 | 786.7 | 873.5 | 986.3 | 1131.6 |
| 10° | 489.0 | 531.0 | 565.3 | 594.2 | 629.9 | 676.0 | 730.9 | 800.2 | 892.8 | 1010.6 | 1171.8 |
| 7.5° | 493.9 | 534.0 | 567.2 | 595.3 | 632.3 | 680.0 | 737.5 | 810.4 | 906.3 | 1027.9 | 1200.9 |
| 5° | 497.3 | 536.5 | 569.5 | 598.7 | 636.0 | 683.2 | 742.3 | 817.4 | 914.2 | 1038.2 | 1218.9 |
| 2.5° | 499.3 | 537.9 | 570.8 | 601.9 | 640.0 | 685.9 | 745.9 | 825.1 | 920.6 | 1048.2 | 1232.7 |
| 0° | 499.9 | 538.4 | 571.3 | 604.3 | 642.8 | 686.7 | 747.1 | 829.6 | 922.9 | 1054.8 | 1241.6 |
| -2.5° | 499.3 | 537.9 | 570.8 | 601.9 | 640.0 | 685.9 | 745.9 | 825.1 | 920.6 | 1048.2 | 1232.7 |
| -5° | 497.3 | 536.5 | 569.5 | 598.7 | 636.0 | 683.2 | 742.3 | 817.4 | 914.2 | 1038.2 | 1218.9 |
| -7.5° | 493.9 | 534.0 | 567.2 | 595.3 | 632.3 | 680.0 | 737.5 | 810.4 | 906.3 | 1027.9 | 1200.9 |
| -10° | 489.0 | 531.0 | 565.3 | 594.2 | 629.9 | 676.0 | 730.9 | 800.2 | 892.8 | 1010.6 | 1171.8 |
| -12.5° | 483.3 | 527.2 | 562.6 | 592.4 | 626.2 | 670.2 | 722.4 | 786.7 | 873.5 | 986.3 | 1131.6 |
| -15° | 476.6 | 522.2 | 558.7 | 589.7 | 621.3 | 662.7 | 712.3 | 770.2 | 849.3 | 954.9 | 1079.2 |
| -17.5° | 469.1 | 516.0 | 553.5 | 586.2 | 615.2 | 653.5 | 700.9 | 754.3 | 826.7 | 923.0 | 1038.0 |
| -20° | 460.8 | 508.7 | 547.2 | 581.9 | 608.3 | 644.7 | 690.0 | 741.5 | 806.3 | 889.5 | 991.4 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| -22.5° | 451.8 | 500.1 | 539.1 | 574.6 | 603.0 | 636.4 | 677.6 | 725.9 | 782.8 | 852.6 | 940.7 |
| -25° | 442.3 | 488.6 | 528.9 | 565.4 | 596.1 | 627.0 | 663.5 | 707.9 | 760.3 | 819.8 | 892.2 |
| -27.5° | 432.3 | 476.7 | 518.9 | 555.7 | 587.1 | 616.7 | 650.8 | 691.0 | 734.5 | 783.9 | 843.1 |
| -30° | 421.6 | 464.9 | 508.2 | 545.0 | 576.0 | 605.7 | 638.1 | 669.9 | 707.9 | 751.9 | 802.2 |
| -32.5° | 409.4 | 451.7 | 494.9 | 532.6 | 564.3 | 592.3 | 622.2 | 651.0 | 683.5 | 720.2 | 762.5 |
| -35° | 395.0 | 436.7 | 479.3 | 519.7 | 552.2 | 578.1 | 604.8 | 632.4 | 659.4 | 691.8 | 727.1 |
| -37.5° | 378.8 | 419.9 | 462.2 | 503.9 | 537.6 | 562.8 | 586.5 | 612.8 | 638.5 | 663.6 | 694.5 |
| -40° | 361.8 | 401.5 | 442.5 | 483.9 | 520.9 | 545.7 | 568.6 | 592.4 | 616.8 | 639.8 | 663.5 |
| -42.5° | 344.1 | 381.9 | 420.6 | 462.2 | 499.0 | 527.8 | 549.4 | 571.5 | 593.6 | 614.8 | 636.2 |
| -45° | 326.5 | 361.6 | 397.3 | 437.3 | 475.5 | 507.3 | 530.5 | 549.3 | 569.8 | 589.6 | 608.6 |
| -47.5° | 308.5 | 340.9 | 374.6 | 411.9 | 449.8 | 482.9 | 510.2 | 528.9 | 545.5 | 563.9 | 581.6 |
| -50° | 290.1 | 321.0 | 352.3 | 387.3 | 422.3 | 456.6 | 485.4 | 505.8 | 522.3 | 537.9 | 554.1 |
| -52.5° | 271.4 | 300.9 | 330.4 | 362.4 | 395.0 | 427.2 | 456.7 | 479.0 | 496.4 | 511.6 | 527.4 |
| -55° | 252.3 | 280.3 | 307.5 | 336.7 | 367.5 | 397.7 | 425.8 | 449.6 | 469.0 | 483.9 | 500.6 |
| -57.5° | 232.0 | 258.9 | 283.7 | 309.7 | 338.1 | 367.1 | 392.3 | 419.0 | 440.1 | 456.3 | 472.2 |
| -60° | 210.4 | 235.5 | 259.3 | 282.5 | 306.6 | 332.3 | 356.4 | 379.9 | 404.5 | 427.8 | 440.1 |
| -62.5° | 188.0 | 210.2 | 232.6 | 254.8 | 276.1 | 296.9 | 318.6 | 339.8 | 360.3 | 380.9 | 399.1 |
| -65° | 164.8 | 184.4 | 204.0 | 224.3 | 245.0 | 262.3 | 280.3 | 299.4 | 318.0 | 335.8 | 352.7 |
| -67.5° | 141.2 | 159.3 | 176.1 | 192.2 | 210.1 | 226.7 | 241.1 | 256.5 | 273.0 | 290.8 | 306.4 |
| -70° | 121.3 | 134.6 | 149.5 | 163.8 | 177.2 | 191.3 | 205.4 | 217.5 | 229.1 | 244.5 | 260.3 |
| -72.5° | 101.9 | 113.5 | 125.0 | 136.1 | 148.1 | 160.0 | 171.4 | 182.4 | 193.1 | 204.3 | 216.1 |
| -75° | 83.6 | 92.4 | 102.1 | 111.6 | 120.9 | 129.9 | 138.7 | 148.1 | 157.1 | 165.7 | 173.9 |
| -77.5° | 66.2 | 73.6 | 80.7 | 87.7 | 94.7 | 102.1 | 109.3 | 116.3 | 122.9 | 129.3 | 135.3 |
| -80° | 49.6 | 54.6 | 60.3 | 65.9 | 70.7 | 75.5 | 80.5 | 85.6 | 90.9 | 95.9 | 100.7 |
| -82.5° | 34.6 | 38.3 | 42.0 | 45.6 | 48.1 | 50.0 | 51.9 | 54.7 | 59.6 | 64.2 | 68.5 |
| -85° | 20.3 | 22.0 | 24.4 | 26.8 | 28.8 | 30.6 | 32.1 | 33.3 | 35.6 | 38.0 | 40.4 |
| -87.5° | 10.2 | 11.0 | 11.8 | 12.6 | 13.4 | 14.1 | 14.9 | 15.6 | 16.2 | 16.9 | 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 |



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-NR-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° | 18.0 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.2 | 20.1 | 19.0 |
| 85° | 42.9 | 44.6 | 46.1 | 47.4 | 48.7 | 49.9 | 50.9 | 51.8 | 52.7 | 52.0 | 51.2 |
| 82.5° | 72.4 | 75.2 | 77.9 | 80.3 | 82.5 | 84.6 | 86.4 | 88.0 | 89.4 | 89.3 | 88.9 |
| 80° | 105.3 | 110.0 | 114.7 | 119.4 | 124.0 | 126.8 | 128.8 | 130.3 | 131.4 | 131.8 | 131.9 |
| 77.5° | 141.5 | 148.8 | 156.4 | 163.9 | 171.2 | 175.5 | 178.5 | 181.0 | 183.0 | 183.4 | 183.0 |
| 75° | 181.7 | 191.1 | 201.5 | 210.5 | 218.4 | 223.2 | 226.5 | 229.4 | 231.7 | 232.2 | 232.0 |
| 72.5° | 228.3 | 239.9 | 249.2 | 256.9 | 263.5 | 268.7 | 272.9 | 276.5 | 279.4 | 280.6 | 280.8 |
| 70° | 274.2 | 285.7 | 294.6 | 302.3 | 308.8 | 314.2 | 319.2 | 323.5 | 327.1 | 329.7 | 331.6 |
| 67.5° | 320.8 | 333.9 | 342.9 | 350.0 | 355.5 | 361.1 | 367.8 | 373.6 | 378.4 | 381.7 | 383.3 |
| 65° | 368.5 | 382.0 | 390.7 | 398.4 | 405.2 | 412.3 | 419.8 | 425.3 | 428.9 | 431.1 | 432.6 |
| 62.5° | 414.7 | 427.3 | 438.3 | 448.5 | 458.3 | 466.5 | 471.6 | 476.2 | 480.1 | 483.4 | 485.8 |
| 60° | 454.4 | 470.5 | 482.8 | 492.6 | 502.2 | 511.4 | 517.7 | 522.7 | 526.6 | 529.4 | 531.2 |
| 57.5° | 488.3 | 504.7 | 519.2 | 528.7 | 539.1 | 550.2 | 557.5 | 561.6 | 565.5 | 568.8 | 570.3 |
| 55° | 517.9 | 533.0 | 546.4 | 559.4 | 571.1 | 581.0 | 588.7 | 594.4 | 599.1 | 602.9 | 604.1 |
| 52.5° | 544.6 | 561.0 | 576.7 | 590.5 | 602.0 | 611.5 | 619.2 | 626.2 | 631.5 | 635.2 | 636.8 |
| 50° | 572.5 | 590.2 | 607.1 | 622.2 | 634.0 | 644.7 | 654.2 | 662.5 | 670.4 | 676.6 | 681.1 |
| 47.5° | 600.1 | 619.0 | 637.6 | 654.2 | 668.3 | 683.8 | 697.7 | 709.4 | 720.9 | 730.2 | 736.7 |
| 45° | 627.9 | 649.7 | 669.9 | 691.3 | 710.5 | 730.7 | 749.6 | 765.8 | 782.5 | 795.1 | 803.6 |
| 42.5° | 658.7 | 683.5 | 707.9 | 734.5 | 760.6 | 787.0 | 815.5 | 841.0 | 860.7 | 879.1 | 894.1 |
| 40° | 691.8 | 720.2 | 751.9 | 784.6 | 823.0 | 857.9 | 896.2 | 929.2 | 958.9 | 990.4 | 1015.4 |
| 37.5° | 727.1 | 762.5 | 804.2 | 848.0 | 897.7 | 945.4 | 995.5 | 1044.7 | 1087.7 | 1138.3 | 1177.0 |
| 35° | 766.0 | 813.3 | 864.7 | 923.9 | 985.8 | 1054.1 | 1122.6 | 1201.8 | 1269.9 | 1344.8 | 1410.1 |
| 32.5° | 812.1 | 868.6 | 936.0 | 1014.1 | 1093.6 | 1197.3 | 1294.2 | 1420.2 | 1529.2 | 1648.1 | 1767.8 |
| 30° | 859.6 | 933.4 | 1020.5 | 1118.8 | 1245.2 | 1387.8 | 1546.8 | 1734.2 | 1927.5 | 2114.4 | 2339.9 |
| 27.5° | 918.4 | 1007.5 | 1112.9 | 1256.6 | 1442.6 | 1635.3 | 1908.7 | 2190.1 | 2545.3 | 2839.0 | 3253.2 |
| 25° | 979.5 | 1084.4 | 1234.1 | 1429.5 | 1672.3 | 2006.9 | 2421.7 | 2871.4 | 3496.3 | 4045.3 | 4689.2 |
| 22.5° | 1046.0 | 1187.5 | 1373.8 | 1615.1 | 1983.3 | 2496.8 | 3124.9 | 3971.3 | 4893.1 | 5871.7 | 6845.1 |
| 20° | 1115.3 | 1286.5 | 1530.7 | 1880.4 | 2385.6 | 3081.1 | 4159.4 | 5466.1 | 6782.8 | 8397.5 | 9827.3 |
| 17.5° | 1195.5 | 1413.4 | 1714.4 | 2151.7 | 2825.8 | 3891.2 | 5387.1 | 7211.3 | 9254.2 | 11575.8 | 13637.1 |
| 15° | 1262.4 | 1522.2 | 1902.1 | 2513.9 | 3441.1 | 4809.2 | 6695.6 | 9205.2 | 12275.0 | 15393.0 | 18556.4 |
| 12.5° | 1340.0 | 1640.5 | 2086.7 | 2816.2 | 3980.6 | 5798.9 | 8366.7 | 11543.1 | 15376.9 | 19701.7 | 24800.1 |
| 10° | 1408.9 | 1756.7 | 2311.3 | 3214.3 | 4637.4 | 6831.2 | 9947.5 | 13768.9 | 18716.5 | 24938.9 | 32834.1 |
| 7.5° | 1459.9 | 1849.2 | 2484.8 | 3517.3 | 5205.2 | 7823.6 | 11441.0 | 16206.2 | 22493.0 | 30709.7 | 41545.2 |
| 5° | 1493.1 | 1916.1 | 2607.4 | 3751.1 | 5649.6 | 8562.2 | 12535.6 | 17934.9 | 25519.5 | 37140.6 | 55489.2 |
| 2.5° | 1513.0 | 1955.7 | 2677.5 | 3888.2 | 5919.8 | 9051.5 | 13368.3 | 19242.1 | 27481.0 | 41114.9 | 64457.7 |
| 0° | 1521.8 | 1966.8 | 2719.4 | 3961.0 | 6010.1 | 9240.4 | 13750.8 | 19837.8 | 28358.6 | 42043.5 | 66034.6 |
| -2.5° | 1513.0 | 1955.7 | 2677.5 | 3888.2 | 5919.8 | 9051.5 | 13368.3 | 19242.1 | 27481.0 | 41114.9 | 64457.7 |
| -5° | 1493.1 | 1916.1 | 2607.4 | 3751.1 | 5649.6 | 8562.2 | 12535.6 | 17934.9 | 25519.5 | 37140.6 | 55489.2 |
| -7.5° | 1459.9 | 1849.2 | 2484.8 | 3517.3 | 5205.2 | 7823.6 | 11441.0 | 16206.2 | 22493.0 | 30709.7 | 41545.2 |
| -10° | 1408.9 | 1756.7 | 2311.3 | 3214.3 | 4637.4 | 6831.2 | 9947.5 | 13768.9 | 18716.5 | 24938.9 | 32834.1 |
| -12.5° | 1340.0 | 1640.5 | 2086.7 | 2816.2 | 3980.6 | 5798.9 | 8366.7 | 11543.1 | 15376.9 | 19701.7 | 24800.1 |
| -15° | 1262.4 | 1522.2 | 1902.1 | 2513.9 | 3441.1 | 4809.2 | 6695.6 | 9205.2 | 12275.0 | 15393.0 | 18556.4 |
| -17.5° | 1195.5 | 1413.4 | 1714.4 | 2151.7 | 2825.8 | 3891.2 | 5387.1 | 7211.3 | 9254.2 | 11575.8 | 13637.1 |
| -20° | 1115.3 | 1286.5 | 1530.7 | 1880.4 | 2385.6 | 3081.1 | 4159.4 | 5466.1 | 6782.8 | 8397.5 | 9827.3 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 1046.0 | 1187.5 | 1373.8 | 1615.1 | 1983.3 | 2496.8 | 3124.9 | 3971.3 | 4893.1 | 5871.7 | 6845.1 |
| -25° | 979.5 | 1084.4 | 1234.1 | 1429.5 | 1672.3 | 2006.9 | 2421.7 | 2871.4 | 3496.3 | 4045.3 | 4689.2 |
| -27.5° | 918.4 | 1007.5 | 1112.9 | 1256.6 | 1442.6 | 1635.3 | 1908.7 | 2190.1 | 2545.3 | 2839.0 | 3253.2 |
| -30° | 859.6 | 933.4 | 1020.5 | 1118.8 | 1245.2 | 1387.8 | 1546.8 | 1734.2 | 1927.5 | 2114.4 | 2339.9 |
| -32.5° | 812.1 | 868.6 | 936.0 | 1014.1 | 1093.6 | 1197.3 | 1294.2 | 1420.2 | 1529.2 | 1648.1 | 1767.8 |
| -35° | 766.0 | 813.3 | 864.7 | 923.9 | 985.8 | 1054.1 | 1122.6 | 1201.8 | 1269.9 | 1344.8 | 1410.1 |
| -37.5° | 727.1 | 762.5 | 804.2 | 848.0 | 897.7 | 945.4 | 995.5 | 1044.7 | 1087.7 | 1138.3 | 1177.0 |
| -40° | 691.8 | 720.2 | 751.9 | 784.6 | 823.0 | 857.9 | 896.2 | 929.2 | 958.9 | 990.4 | 1015.4 |
| -42.5° | 658.7 | 683.5 | 707.9 | 734.5 | 760.6 | 787.0 | 815.5 | 841.0 | 860.7 | 879.1 | 894.1 |
| -45° | 627.9 | 649.7 | 669.9 | 691.3 | 710.5 | 730.7 | 749.6 | 765.8 | 782.5 | 795.1 | 803.6 |
| -47.5° | 600.1 | 619.0 | 637.6 | 654.2 | 668.3 | 683.8 | 697.7 | 709.4 | 720.9 | 730.2 | 736.7 |
| -50° | 572.5 | 590.2 | 607.1 | 622.2 | 634.0 | 644.7 | 654.2 | 662.5 | 670.4 | 676.6 | 681.1 |
| -52.5° | 544.6 | 561.0 | 576.7 | 590.5 | 602.0 | 611.5 | 619.2 | 626.2 | 631.5 | 635.2 | 636.8 |
| -55° | 517.9 | 533.0 | 546.4 | 559.4 | 571.1 | 581.0 | 588.7 | 594.4 | 599.1 | 602.9 | 604.1 |
| -57.5° | 488.3 | 504.7 | 519.2 | 528.7 | 539.1 | 550.2 | 557.5 | 561.6 | 565.5 | 568.8 | 570.3 |
| -60° | 454.4 | 470.5 | 482.8 | 492.6 | 502.2 | 511.4 | 517.7 | 522.7 | 526.6 | 529.4 | 531.2 |
| -62.5° | 414.7 | 427.3 | 438.3 | 448.5 | 458.3 | 466.5 | 471.6 | 476.2 | 480.1 | 483.4 | 485.8 |
| -65° | 368.5 | 382.0 | 390.7 | 398.4 | 405.2 | 412.3 | 419.8 | 425.3 | 428.9 | 431.1 | 432.6 |
| -67.5° | 320.8 | 333.9 | 342.9 | 350.0 | 355.5 | 361.1 | 367.8 | 373.6 | 378.4 | 381.7 | 383.3 |
| -70° | 274.2 | 285.7 | 294.6 | 302.3 | 308.8 | 314.2 | 319.2 | 323.5 | 327.1 | 329.7 | 331.6 |
| -72.5° | 228.3 | 239.9 | 249.2 | 256.9 | 263.5 | 268.7 | 272.9 | 276.5 | 279.4 | 280.6 | 280.8 |
| -75° | 181.7 | 191.1 | 201.5 | 210.5 | 218.4 | 223.2 | 226.5 | 229.4 | 231.7 | 232.2 | 232.0 |
| -77.5° | 141.5 | 148.8 | 156.4 | 163.9 | 171.2 | 175.5 | 178.5 | 181.0 | 183.0 | 183.4 | 183.0 |
| -80° | 105.3 | 110.0 | 114.7 | 119.4 | 124.0 | 126.8 | 128.8 | 130.3 | 131.4 | 131.8 | 131.9 |
| -82.5° | 72.4 | 75.2 | 77.9 | 80.3 | 82.5 | 84.6 | 86.4 | 88.0 | 89.4 | 89.3 | 88.9 |
| -85° | 42.9 | 44.6 | 46.1 | 47.4 | 48.7 | 49.9 | 50.9 | 51.8 | 52.7 | 52.0 | 51.2 |
| -87.5° | 18.0 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.2 | 20.1 | 19.0 |
| -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: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-NR-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° | 17.7 | 16.4 | 16.5 | 16.5 | 16.5 | 16.4 | 17.7 | 19.0 | 20.1 | 21.2 | 21.0 |
| 85° | 50.2 | 49.2 | 49.3 | 49.4 | 49.3 | 49.2 | 50.2 | 51.2 | 52.0 | 52.7 | 51.8 |
| 82.5° | 88.3 | 87.5 | 87.8 | 87.9 | 87.8 | 87.5 | 88.3 | 88.9 | 89.3 | 89.4 | 88.0 |
| 80° | 131.7 | 131.2 | 129.0 | 126.4 | 129.0 | 131.2 | 131.7 | 131.9 | 131.8 | 131.4 | 130.3 |
| 77.5° | 182.0 | 180.5 | 178.4 | 175.8 | 178.4 | 180.5 | 182.0 | 183.0 | 183.4 | 183.0 | 181.0 |
| 75° | 231.1 | 229.7 | 230.4 | 230.7 | 230.4 | 229.7 | 231.1 | 232.0 | 232.2 | 231.7 | 229.4 |
| 72.5° | 280.3 | 279.1 | 279.9 | 280.2 | 279.9 | 279.1 | 280.3 | 280.8 | 280.6 | 279.4 | 276.5 |
| 70° | 332.9 | 333.5 | 332.1 | 329.6 | 332.1 | 333.5 | 332.9 | 331.6 | 329.7 | 327.1 | 323.5 |
| 67.5° | 383.8 | 383.3 | 381.6 | 379.1 | 381.6 | 383.3 | 383.8 | 383.3 | 381.7 | 378.4 | 373.6 |
| 65° | 433.1 | 432.6 | 433.5 | 434.0 | 433.5 | 432.6 | 433.1 | 432.6 | 431.1 | 428.9 | 425.3 |
| 62.5° | 487.1 | 487.1 | 485.9 | 483.4 | 485.9 | 487.1 | 487.1 | 485.8 | 483.4 | 480.1 | 476.2 |
| 60° | 531.9 | 531.5 | 530.0 | 527.4 | 530.0 | 531.5 | 531.9 | 531.2 | 529.4 | 526.6 | 522.7 |
| 57.5° | 570.8 | 570.2 | 568.6 | 565.9 | 568.6 | 570.2 | 570.8 | 570.3 | 568.8 | 565.5 | 561.6 |
| 55° | 604.3 | 603.5 | 601.7 | 598.8 | 601.7 | 603.5 | 604.3 | 604.1 | 602.9 | 599.1 | 594.4 |
| 52.5° | 637.2 | 636.5 | 636.7 | 637.3 | 636.7 | 636.5 | 637.2 | 636.8 | 635.2 | 631.5 | 626.2 |
| 50° | 683.8 | 684.8 | 683.9 | 681.2 | 683.9 | 684.8 | 683.8 | 681.1 | 676.6 | 670.4 | 662.5 |
| 47.5° | 739.8 | 740.1 | 738.8 | 736.2 | 738.8 | 740.1 | 739.8 | 736.7 | 730.2 | 720.9 | 709.4 |
| 45° | 810.3 | 814.3 | 815.3 | 813.1 | 815.3 | 814.3 | 810.3 | 803.6 | 795.1 | 782.5 | 765.8 |
| 42.5° | 905.6 | 911.9 | 913.7 | 912.0 | 913.7 | 911.9 | 905.6 | 894.1 | 879.1 | 860.7 | 841.0 |
| 40° | 1030.9 | 1038.0 | 1039.3 | 1038.3 | 1039.3 | 1038.0 | 1030.9 | 1015.4 | 990.4 | 958.9 | 929.2 |
| 37.5° | 1204.2 | 1221.5 | 1229.7 | 1230.6 | 1229.7 | 1221.5 | 1204.2 | 1177.0 | 1138.3 | 1087.7 | 1044.7 |
| 35° | 1459.9 | 1494.4 | 1512.9 | 1521.8 | 1512.9 | 1494.4 | 1459.9 | 1410.1 | 1344.8 | 1269.9 | 1201.8 |
| 32.5° | 1858.6 | 1927.7 | 1965.9 | 1961.3 | 1965.9 | 1927.7 | 1858.6 | 1767.8 | 1648.1 | 1529.2 | 1420.2 |
| 30° | 2509.9 | 2630.7 | 2691.5 | 2675.4 | 2691.5 | 2630.7 | 2509.9 | 2339.9 | 2114.4 | 1927.5 | 1734.2 |
| 27.5° | 3550.6 | 3769.0 | 3895.2 | 3878.6 | 3895.2 | 3769.0 | 3550.6 | 3253.2 | 2839.0 | 2545.3 | 2190.1 |
| 25° | 5227.4 | 5625.9 | 5881.0 | 5817.9 | 5881.0 | 5625.9 | 5227.4 | 4689.2 | 4045.3 | 3496.3 | 2871.4 |
| 22.5° | 7778.2 | 8453.3 | 8900.0 | 8844.9 | 8900.0 | 8453.3 | 7778.2 | 6845.1 | 5871.7 | 4893.1 | 3971.3 |
| 20° | 11277.2 | 12304.6 | 13038.3 | 13135.5 | 13038.3 | 12304.6 | 11277.2 | 9827.3 | 8397.5 | 6782.8 | 5466.1 |
| 17.5° | 15863.6 | 17492.7 | 18626.8 | 18816.0 | 18626.8 | 17492.7 | 15863.6 | 13637.1 | 11575.8 | 9254.2 | 7211.3 |
| 15° | 21824.3 | 24487.0 | 26414.1 | 26573.2 | 26414.1 | 24487.0 | 21824.3 | 18556.4 | 15393.0 | 12275.0 | 9205.2 |
| 12.5° | 29918.1 | 35273.5 | 38768.7 | 40307.5 | 38768.7 | 35273.5 | 29918.1 | 24800.1 | 19701.7 | 15376.9 | 11543.1 |
| 10° | 41119.5 | 53420.6 | 61298.5 | 64260.1 | 61298.5 | 53420.6 | 41119.5 | 32834.1 | 24938.9 | 18716.5 | 13768.9 |
| 7.5° | 59829.1 | 79142.3 | 100613.5 | 109764.7 | 100613.5 | 79142.3 | 59829.1 | 41545.2 | 30709.7 | 22493.0 | 16206.2 |
| 5° | 81016.3 | 121099.0 | 159224.6 | 174112.6 | 159224.6 | 121099.0 | 81016.3 | 55489.2 | 37140.6 | 25519.5 | 17934.9 |
| 2.5° | 103310.6 | 159180.0 | 211533.9 | 232008.3 | 211533.9 | 159180.0 | 103310.6 | 64457.7 | 41114.9 | 27481.0 | 19242.1 |
| 0° | 112017.1 | 175854.2 | 233455.9 | 256414.2 | 233455.9 | 175854.2 | 112017.1 | 66034.6 | 42043.5 | 28358.6 | 19837.8 |
| -2.5° | 103310.6 | 159180.0 | 211533.9 | 232008.3 | 211533.9 | 159180.0 | 103310.6 | 64457.7 | 41114.9 | 27481.0 | 19242.1 |
| -5° | 81016.3 | 121099.0 | 159224.6 | 174112.6 | 159224.6 | 121099.0 | 81016.3 | 55489.2 | 37140.6 | 25519.5 | 17934.9 |
| -7.5° | 59829.1 | 79142.3 | 100613.5 | 109764.7 | 100613.5 | 79142.3 | 59829.1 | 41545.2 | 30709.7 | 22493.0 | 16206.2 |
| -10° | 41119.5 | 53420.6 | 61298.5 | 64260.1 | 61298.5 | 53420.6 | 41119.5 | 32834.1 | 24938.9 | 18716.5 | 13768.9 |
| -12.5° | 29918.1 | 35273.5 | 38768.7 | 40307.5 | 38768.7 | 35273.5 | 29918.1 | 24800.1 | 19701.7 | 15376.9 | 11543.1 |
| -15° | 21824.3 | 24487.0 | 26414.1 | 26573.2 | 26414.1 | 24487.0 | 21824.3 | 18556.4 | 15393.0 | 12275.0 | 9205.2 |
| -17.5° | 15863.6 | 17492.7 | 18626.8 | 18816.0 | 18626.8 | 17492.7 | 15863.6 | 13637.1 | 11575.8 | 9254.2 | 7211.3 |
| -20° | 11277.2 | 12304.6 | 13038.3 | 13135.5 | 13038.3 | 12304.6 | 11277.2 | 9827.3 | 8397.5 | 6782.8 | 5466.1 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 7778.2 | 8453.3 | 8900.0 | 8844.9 | 8900.0 | 8453.3 | 7778.2 | 6845.1 | 5871.7 | 4893.1 | 3971.3 |
| -25° | 5227.4 | 5625.9 | 5881.0 | 5817.9 | 5881.0 | 5625.9 | 5227.4 | 4689.2 | 4045.3 | 3496.3 | 2871.4 |
| -27.5° | 3550.6 | 3769.0 | 3895.2 | 3878.6 | 3895.2 | 3769.0 | 3550.6 | 3253.2 | 2839.0 | 2545.3 | 2190.1 |
| -30° | 2509.9 | 2630.7 | 2691.5 | 2675.4 | 2691.5 | 2630.7 | 2509.9 | 2339.9 | 2114.4 | 1927.5 | 1734.2 |
| -32.5° | 1858.6 | 1927.7 | 1965.9 | 1961.3 | 1965.9 | 1927.7 | 1858.6 | 1767.8 | 1648.1 | 1529.2 | 1420.2 |
| -35° | 1459.9 | 1494.4 | 1512.9 | 1521.8 | 1512.9 | 1494.4 | 1459.9 | 1410.1 | 1344.8 | 1269.9 | 1201.8 |
| -37.5° | 1204.2 | 1221.5 | 1229.7 | 1230.6 | 1229.7 | 1221.5 | 1204.2 | 1177.0 | 1138.3 | 1087.7 | 1044.7 |
| -40° | 1030.9 | 1038.0 | 1039.3 | 1038.3 | 1039.3 | 1038.0 | 1030.9 | 1015.4 | 990.4 | 958.9 | 929.2 |
| -42.5° | 905.6 | 911.9 | 913.7 | 912.0 | 913.7 | 911.9 | 905.6 | 894.1 | 879.1 | 860.7 | 841.0 |
| -45° | 810.3 | 814.3 | 815.3 | 813.1 | 815.3 | 814.3 | 810.3 | 803.6 | 795.1 | 782.5 | 765.8 |
| -47.5° | 739.8 | 740.1 | 738.8 | 736.2 | 738.8 | 740.1 | 739.8 | 736.7 | 730.2 | 720.9 | 709.4 |
| -50° | 683.8 | 684.8 | 683.9 | 681.2 | 683.9 | 684.8 | 683.8 | 681.1 | 676.6 | 670.4 | 662.5 |
| -52.5° | 637.2 | 636.5 | 636.7 | 637.3 | 636.7 | 636.5 | 637.2 | 636.8 | 635.2 | 631.5 | 626.2 |
| -55° | 604.3 | 603.5 | 601.7 | 598.8 | 601.7 | 603.5 | 604.3 | 604.1 | 602.9 | 599.1 | 594.4 |
| -57.5° | 570.8 | 570.2 | 568.6 | 565.9 | 568.6 | 570.2 | 570.8 | 570.3 | 568.8 | 565.5 | 561.6 |
| -60° | 531.9 | 531.5 | 530.0 | 527.4 | 530.0 | 531.5 | 531.9 | 531.2 | 529.4 | 526.6 | 522.7 |
| -62.5° | 487.1 | 487.1 | 485.9 | 483.4 | 485.9 | 487.1 | 487.1 | 485.8 | 483.4 | 480.1 | 476.2 |
| -65° | 433.1 | 432.6 | 433.5 | 434.0 | 433.5 | 432.6 | 433.1 | 432.6 | 431.1 | 428.9 | 425.3 |
| -67.5° | 383.8 | 383.3 | 381.6 | 379.1 | 381.6 | 383.3 | 383.8 | 383.3 | 381.7 | 378.4 | 373.6 |
| -70° | 332.9 | 333.5 | 332.1 | 329.6 | 332.1 | 333.5 | 332.9 | 331.6 | 329.7 | 327.1 | 323.5 |
| -72.5° | 280.3 | 279.1 | 279.9 | 280.2 | 279.9 | 279.1 | 280.3 | 280.8 | 280.6 | 279.4 | 276.5 |
| -75° | 231.1 | 229.7 | 230.4 | 230.7 | 230.4 | 229.7 | 231.1 | 232.0 | 232.2 | 231.7 | 229.4 |
| -77.5° | 182.0 | 180.5 | 178.4 | 175.8 | 178.4 | 180.5 | 182.0 | 183.0 | 183.4 | 183.0 | 181.0 |
| -80° | 131.7 | 131.2 | 129.0 | 126.4 | 129.0 | 131.2 | 131.7 | 131.9 | 131.8 | 131.4 | 130.3 |
| -82.5° | 88.3 | 87.5 | 87.8 | 87.9 | 87.8 | 87.5 | 88.3 | 88.9 | 89.3 | 89.4 | 88.0 |
| -85° | 50.2 | 49.2 | 49.3 | 49.4 | 49.3 | 49.2 | 50.2 | 51.2 | 52.0 | 52.7 | 51.8 |
| -87.5° | 17.7 | 16.4 | 16.5 | 16.5 | 16.5 | 16.4 | 17.7 | 19.0 | 20.1 | 21.2 | 21.0 |
| -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: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 20.7 | 20.3 | 19.9 | 19.5 | 19.1 | 18.6 | 18.0 | 17.5 | 16.9 | 16.2 | 15.6 |
| 85° | 50.9 | 49.9 | 48.7 | 47.4 | 46.1 | 44.6 | 42.9 | 40.4 | 38.0 | 35.6 | 33.3 |
| 82.5° | 86.4 | 84.6 | 82.5 | 80.3 | 77.9 | 75.2 | 72.4 | 68.5 | 64.2 | 59.6 | 54.7 |
| 80° | 128.8 | 126.8 | 124.0 | 119.4 | 114.7 | 110.0 | 105.3 | 100.7 | 95.9 | 90.9 | 85.6 |
| 77.5° | 178.5 | 175.5 | 171.2 | 163.9 | 156.4 | 148.8 | 141.5 | 135.3 | 129.3 | 122.9 | 116.3 |
| 75° | 226.5 | 223.2 | 218.4 | 210.5 | 201.5 | 191.1 | 181.7 | 173.9 | 165.7 | 157.1 | 148.1 |
| 72.5° | 272.9 | 268.7 | 263.5 | 256.9 | 249.2 | 239.9 | 228.3 | 216.1 | 204.3 | 193.1 | 182.4 |
| 70° | 319.2 | 314.2 | 308.8 | 302.3 | 294.6 | 285.7 | 274.2 | 260.3 | 244.5 | 229.1 | 217.5 |
| 67.5° | 367.8 | 361.1 | 355.5 | 350.0 | 342.9 | 333.9 | 320.8 | 306.4 | 290.8 | 273.0 | 256.5 |
| 65° | 419.8 | 412.3 | 405.2 | 398.4 | 390.7 | 382.0 | 368.5 | 352.7 | 335.8 | 318.0 | 299.4 |
| 62.5° | 471.6 | 466.5 | 458.3 | 448.5 | 438.3 | 427.3 | 414.7 | 399.1 | 380.9 | 360.3 | 339.8 |
| 60° | 517.7 | 511.4 | 502.2 | 492.6 | 482.8 | 470.5 | 454.4 | 440.1 | 427.8 | 404.5 | 379.9 |
| 57.5° | 557.5 | 550.2 | 539.1 | 528.7 | 519.2 | 504.7 | 488.3 | 472.2 | 456.3 | 440.1 | 419.0 |
| 55° | 588.7 | 581.0 | 571.1 | 559.4 | 546.4 | 533.0 | 517.9 | 500.6 | 483.9 | 469.0 | 449.6 |
| 52.5° | 619.2 | 611.5 | 602.0 | 590.5 | 576.7 | 561.0 | 544.6 | 527.4 | 511.6 | 496.4 | 479.0 |
| 50° | 654.2 | 644.7 | 634.0 | 622.2 | 607.1 | 590.2 | 572.5 | 554.1 | 537.9 | 522.3 | 505.8 |
| 47.5° | 697.7 | 683.8 | 668.3 | 654.2 | 637.6 | 619.0 | 600.1 | 581.6 | 563.9 | 545.5 | 528.9 |
| 45° | 749.6 | 730.7 | 710.5 | 691.3 | 669.9 | 649.7 | 627.9 | 608.6 | 589.6 | 569.8 | 549.3 |
| 42.5° | 815.5 | 787.0 | 760.6 | 734.5 | 707.9 | 683.5 | 658.7 | 636.2 | 614.8 | 593.6 | 571.5 |
| 40° | 896.2 | 857.9 | 823.0 | 784.6 | 751.9 | 720.2 | 691.8 | 663.5 | 639.8 | 616.8 | 592.4 |
| 37.5° | 995.5 | 945.4 | 897.7 | 848.0 | 804.2 | 762.5 | 727.1 | 694.5 | 663.6 | 638.5 | 612.8 |
| 35° | 1122.6 | 1054.1 | 985.8 | 923.9 | 864.7 | 813.3 | 766.0 | 727.1 | 691.8 | 659.4 | 632.4 |
| 32.5° | 1294.2 | 1197.3 | 1093.6 | 1014.1 | 936.0 | 868.6 | 812.1 | 762.5 | 720.2 | 683.5 | 651.0 |
| 30° | 1546.8 | 1387.8 | 1245.2 | 1118.8 | 1020.5 | 933.4 | 859.6 | 802.2 | 751.9 | 707.9 | 669.9 |
| 27.5° | 1908.7 | 1635.3 | 1442.6 | 1256.6 | 1112.9 | 1007.5 | 918.4 | 843.1 | 783.9 | 734.5 | 691.0 |
| 25° | 2421.7 | 2006.9 | 1672.3 | 1429.5 | 1234.1 | 1084.4 | 979.5 | 892.2 | 819.8 | 760.3 | 707.9 |
| 22.5° | 3124.9 | 2496.8 | 1983.3 | 1615.1 | 1373.8 | 1187.5 | 1046.0 | 940.7 | 852.6 | 782.8 | 725.9 |
| 20° | 4159.4 | 3081.1 | 2385.6 | 1880.4 | 1530.7 | 1286.5 | 1115.3 | 991.4 | 889.5 | 806.3 | 741.5 |
| 17.5° | 5387.1 | 3891.2 | 2825.8 | 2151.7 | 1714.4 | 1413.4 | 1195.5 | 1038.0 | 923.0 | 826.7 | 754.3 |
| 15° | 6695.6 | 4809.2 | 3441.1 | 2513.9 | 1902.1 | 1522.2 | 1262.4 | 1079.2 | 954.9 | 849.3 | 770.2 |
| 12.5° | 8366.7 | 5798.9 | 3980.6 | 2816.2 | 2086.7 | 1640.5 | 1340.0 | 1131.6 | 986.3 | 873.5 | 786.7 |
| 10° | 9947.5 | 6831.2 | 4637.4 | 3214.3 | 2311.3 | 1756.7 | 1408.9 | 1171.8 | 1010.6 | 892.8 | 800.2 |
| 7.5° | 11441.0 | 7823.6 | 5205.2 | 3517.3 | 2484.8 | 1849.2 | 1459.9 | 1200.9 | 1027.9 | 906.3 | 810.4 |
| 5° | 12535.6 | 8562.2 | 5649.6 | 3751.1 | 2607.4 | 1916.1 | 1493.1 | 1218.9 | 1038.2 | 914.2 | 817.4 |
| 2.5° | 13368.3 | 9051.5 | 5919.8 | 3888.2 | 2677.5 | 1955.7 | 1513.0 | 1232.7 | 1048.2 | 920.6 | 825.1 |
| 0° | 13750.8 | 9240.4 | 6010.1 | 3961.0 | 2719.4 | 1966.8 | 1521.8 | 1241.6 | 1054.8 | 922.9 | 829.6 |
| -2.5° | 13368.3 | 9051.5 | 5919.8 | 3888.2 | 2677.5 | 1955.7 | 1513.0 | 1232.7 | 1048.2 | 920.6 | 825.1 |
| -5° | 12535.6 | 8562.2 | 5649.6 | 3751.1 | 2607.4 | 1916.1 | 1493.1 | 1218.9 | 1038.2 | 914.2 | 817.4 |
| -7.5° | 11441.0 | 7823.6 | 5205.2 | 3517.3 | 2484.8 | 1849.2 | 1459.9 | 1200.9 | 1027.9 | 906.3 | 810.4 |
| -10° | 9947.5 | 6831.2 | 4637.4 | 3214.3 | 2311.3 | 1756.7 | 1408.9 | 1171.8 | 1010.6 | 892.8 | 800.2 |
| -12.5° | 8366.7 | 5798.9 | 3980.6 | 2816.2 | 2086.7 | 1640.5 | 1340.0 | 1131.6 | 986.3 | 873.5 | 786.7 |
| -15° | 6695.6 | 4809.2 | 3441.1 | 2513.9 | 1902.1 | 1522.2 | 1262.4 | 1079.2 | 954.9 | 849.3 | 770.2 |
| -17.5° | 5387.1 | 3891.2 | 2825.8 | 2151.7 | 1714.4 | 1413.4 | 1195.5 | 1038.0 | 923.0 | 826.7 | 754.3 |
| -20° | 4159.4 | 3081.1 | 2385.6 | 1880.4 | 1530.7 | 1286.5 | 1115.3 | 991.4 | 889.5 | 806.3 | 741.5 |

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| -22.5° | 3124.9 | 2496.8 | 1983.3 | 1615.1 | 1373.8 | 1187.5 | 1046.0 | 940.7 | 852.6 | 782.8 | 725.9 |
| -25° | 2421.7 | 2006.9 | 1672.3 | 1429.5 | 1234.1 | 1084.4 | 979.5 | 892.2 | 819.8 | 760.3 | 707.9 |
| -27.5° | 1908.7 | 1635.3 | 1442.6 | 1256.6 | 1112.9 | 1007.5 | 918.4 | 843.1 | 783.9 | 734.5 | 691.0 |
| -30° | 1546.8 | 1387.8 | 1245.2 | 1118.8 | 1020.5 | 933.4 | 859.6 | 802.2 | 751.9 | 707.9 | 669.9 |
| -32.5° | 1294.2 | 1197.3 | 1093.6 | 1014.1 | 936.0 | 868.6 | 812.1 | 762.5 | 720.2 | 683.5 | 651.0 |
| -35° | 1122.6 | 1054.1 | 985.8 | 923.9 | 864.7 | 813.3 | 766.0 | 727.1 | 691.8 | 659.4 | 632.4 |
| -37.5° | 995.5 | 945.4 | 897.7 | 848.0 | 804.2 | 762.5 | 727.1 | 694.5 | 663.6 | 638.5 | 612.8 |
| -40° | 896.2 | 857.9 | 823.0 | 784.6 | 751.9 | 720.2 | 691.8 | 663.5 | 639.8 | 616.8 | 592.4 |
| -42.5° | 815.5 | 787.0 | 760.6 | 734.5 | 707.9 | 683.5 | 658.7 | 636.2 | 614.8 | 593.6 | 571.5 |
| -45° | 749.6 | 730.7 | 710.5 | 691.3 | 669.9 | 649.7 | 627.9 | 608.6 | 589.6 | 569.8 | 549.3 |
| -47.5° | 697.7 | 683.8 | 668.3 | 654.2 | 637.6 | 619.0 | 600.1 | 581.6 | 563.9 | 545.5 | 528.9 |
| -50° | 654.2 | 644.7 | 634.0 | 622.2 | 607.1 | 590.2 | 572.5 | 554.1 | 537.9 | 522.3 | 505.8 |
| -52.5° | 619.2 | 611.5 | 602.0 | 590.5 | 576.7 | 561.0 | 544.6 | 527.4 | 511.6 | 496.4 | 479.0 |
| -55° | 588.7 | 581.0 | 571.1 | 559.4 | 546.4 | 533.0 | 517.9 | 500.6 | 483.9 | 469.0 | 449.6 |
| -57.5° | 557.5 | 550.2 | 539.1 | 528.7 | 519.2 | 504.7 | 488.3 | 472.2 | 456.3 | 440.1 | 419.0 |
| -60° | 517.7 | 511.4 | 502.2 | 492.6 | 482.8 | 470.5 | 454.4 | 440.1 | 427.8 | 404.5 | 379.9 |
| -62.5° | 471.6 | 466.5 | 458.3 | 448.5 | 438.3 | 427.3 | 414.7 | 399.1 | 380.9 | 360.3 | 339.8 |
| -65° | 419.8 | 412.3 | 405.2 | 398.4 | 390.7 | 382.0 | 368.5 | 352.7 | 335.8 | 318.0 | 299.4 |
| -67.5° | 367.8 | 361.1 | 355.5 | 350.0 | 342.9 | 333.9 | 320.8 | 306.4 | 290.8 | 273.0 | 256.5 |
| -70° | 319.2 | 314.2 | 308.8 | 302.3 | 294.6 | 285.7 | 274.2 | 260.3 | 244.5 | 229.1 | 217.5 |
| -72.5° | 272.9 | 268.7 | 263.5 | 256.9 | 249.2 | 239.9 | 228.3 | 216.1 | 204.3 | 193.1 | 182.4 |
| -75° | 226.5 | 223.2 | 218.4 | 210.5 | 201.5 | 191.1 | 181.7 | 173.9 | 165.7 | 157.1 | 148.1 |
| -77.5° | 178.5 | 175.5 | 171.2 | 163.9 | 156.4 | 148.8 | 141.5 | 135.3 | 129.3 | 122.9 | 116.3 |
| -80° | 128.8 | 126.8 | 124.0 | 119.4 | 114.7 | 110.0 | 105.3 | 100.7 | 95.9 | 90.9 | 85.6 |
| -82.5° | 86.4 | 84.6 | 82.5 | 80.3 | 77.9 | 75.2 | 72.4 | 68.5 | 64.2 | 59.6 | 54.7 |
| -85° | 50.9 | 49.9 | 48.7 | 47.4 | 46.1 | 44.6 | 42.9 | 40.4 | 38.0 | 35.6 | 33.3 |
| -87.5° | 20.7 | 20.3 | 19.9 | 19.5 | 19.1 | 18.6 | 18.0 | 17.5 | 16.9 | 16.2 | 15.6 |
| -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: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-NR-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° | 14.9 | 14.1 | 13.4 | 12.6 | 11.8 | 11.0 | 10.2 | 9.3 | 8.4 | 7.5 | 6.6 |
| 85° | 32.1 | 30.6 | 28.8 | 26.8 | 24.4 | 22.0 | 20.3 | 18.6 | 16.8 | 15.0 | 13.2 |
| 82.5° | 51.9 | 50.0 | 48.1 | 45.6 | 42.0 | 38.3 | 34.6 | 30.7 | 26.8 | 22.8 | 19.8 |
| 80° | 80.5 | 75.5 | 70.7 | 65.9 | 60.3 | 54.6 | 49.6 | 44.5 | 39.2 | 33.9 | 28.5 |
| 77.5° | 109.3 | 102.1 | 94.7 | 87.7 | 80.7 | 73.6 | 66.2 | 58.7 | 51.6 | 45.0 | 38.2 |
| 75° | 138.7 | 129.9 | 120.9 | 111.6 | 102.1 | 92.4 | 83.6 | 74.6 | 65.4 | 56.1 | 47.8 |
| 72.5° | 171.4 | 160.0 | 148.1 | 136.1 | 125.0 | 113.5 | 101.9 | 90.3 | 79.7 | 68.8 | 57.8 |
| 70° | 205.4 | 191.3 | 177.2 | 163.8 | 149.5 | 134.6 | 121.3 | 107.6 | 93.8 | 81.4 | 68.8 |
| 67.5° | 241.1 | 226.7 | 210.1 | 192.2 | 176.1 | 159.3 | 141.2 | 125.1 | 109.6 | 93.8 | 79.7 |
| 65° | 280.3 | 262.3 | 245.0 | 224.3 | 204.0 | 184.4 | 164.8 | 143.5 | 125.1 | 107.6 | 90.3 |
| 62.5° | 318.6 | 296.9 | 276.1 | 254.8 | 232.6 | 210.2 | 188.0 | 164.2 | 141.0 | 121.3 | 101.9 |
| 60° | 356.4 | 332.3 | 306.6 | 282.5 | 259.3 | 235.5 | 210.4 | 184.2 | 158.8 | 134.6 | 113.5 |
| 57.5° | 392.3 | 367.1 | 338.1 | 309.7 | 283.7 | 258.9 | 232.0 | 203.6 | 176.0 | 149.2 | 124.9 |
| 55° | 425.8 | 397.7 | 367.5 | 336.7 | 307.5 | 280.3 | 252.3 | 222.2 | 192.6 | 163.8 | 135.8 |
| 52.5° | 456.7 | 427.2 | 395.0 | 362.4 | 330.4 | 300.9 | 271.4 | 240.1 | 208.4 | 177.7 | 147.6 |
| 50° | 485.4 | 456.6 | 422.3 | 387.3 | 352.3 | 321.0 | 290.1 | 257.3 | 223.6 | 191.1 | 159.2 |
| 47.5° | 510.2 | 482.9 | 449.8 | 411.9 | 374.6 | 340.9 | 308.5 | 274.2 | 238.0 | 203.8 | 170.3 |
| 45° | 530.5 | 507.3 | 475.5 | 437.3 | 397.3 | 361.6 | 326.5 | 290.6 | 252.9 | 216.0 | 181.0 |
| 42.5° | 549.4 | 527.8 | 499.0 | 462.2 | 420.6 | 381.9 | 344.1 | 306.6 | 267.2 | 227.8 | 191.3 |
| 40° | 568.6 | 545.7 | 520.9 | 483.9 | 442.5 | 401.5 | 361.8 | 322.1 | 281.1 | 239.3 | 201.0 |
| 37.5° | 586.5 | 562.8 | 537.6 | 503.9 | 462.2 | 419.9 | 378.8 | 337.2 | 294.1 | 250.8 | 210.3 |
| 35° | 604.8 | 578.1 | 552.2 | 519.7 | 479.3 | 436.7 | 395.0 | 351.7 | 306.3 | 261.5 | 219.0 |
| 32.5° | 622.2 | 592.3 | 564.3 | 532.6 | 494.9 | 451.7 | 409.4 | 364.2 | 317.7 | 271.4 | 227.1 |
| 30° | 638.1 | 605.7 | 576.0 | 545.0 | 508.2 | 464.9 | 421.6 | 375.7 | 328.3 | 280.4 | 234.8 |
| 27.5° | 650.8 | 616.7 | 587.1 | 555.7 | 518.9 | 476.7 | 432.3 | 386.0 | 338.1 | 288.7 | 242.1 |
| 25° | 663.5 | 627.0 | 596.1 | 565.4 | 528.9 | 488.6 | 442.3 | 395.1 | 346.6 | 296.6 | 248.7 |
| 22.5° | 677.6 | 636.4 | 603.0 | 574.6 | 539.1 | 500.1 | 451.8 | 403.1 | 354.1 | 303.6 | 254.6 |
| 20° | 690.0 | 644.7 | 608.3 | 581.9 | 547.2 | 508.7 | 460.8 | 410.2 | 360.5 | 309.9 | 259.7 |
| 17.5° | 700.9 | 653.5 | 615.2 | 586.2 | 553.5 | 516.0 | 469.1 | 416.6 | 365.9 | 315.3 | 264.1 |
| 15° | 712.3 | 662.7 | 621.3 | 589.7 | 558.7 | 522.2 | 476.6 | 422.0 | 370.3 | 319.9 | 267.9 |
| 12.5° | 722.4 | 670.2 | 626.2 | 592.4 | 562.6 | 527.2 | 483.3 | 426.6 | 373.7 | 323.8 | 271.5 |
| 10° | 730.9 | 676.0 | 629.9 | 594.2 | 565.3 | 531.0 | 489.0 | 430.9 | 377.3 | 326.8 | 274.5 |
| 7.5° | 737.5 | 680.0 | 632.3 | 595.3 | 567.2 | 534.0 | 493.9 | 436.0 | 380.4 | 328.9 | 277.0 |
| 5° | 742.3 | 683.2 | 636.0 | 598.7 | 569.5 | 536.5 | 497.3 | 440.1 | 382.7 | 330.0 | 278.7 |
| 2.5° | 745.9 | 685.9 | 640.0 | 601.9 | 570.8 | 537.9 | 499.3 | 443.1 | 384.1 | 330.2 | 279.8 |
| 0° | 747.1 | 686.7 | 642.8 | 604.3 | 571.3 | 538.4 | 499.9 | 445.0 | 384.6 | 329.6 | 280.2 |
| -2.5° | 745.9 | 685.9 | 640.0 | 601.9 | 570.8 | 537.9 | 499.3 | 443.1 | 384.1 | 330.2 | 279.8 |
| -5° | 742.3 | 683.2 | 636.0 | 598.7 | 569.5 | 536.5 | 497.3 | 440.1 | 382.7 | 330.0 | 278.7 |
| -7.5° | 737.5 | 680.0 | 632.3 | 595.3 | 567.2 | 534.0 | 493.9 | 436.0 | 380.4 | 328.9 | 277.0 |
| -10° | 730.9 | 676.0 | 629.9 | 594.2 | 565.3 | 531.0 | 489.0 | 430.9 | 377.3 | 326.8 | 274.5 |
| -12.5° | 722.4 | 670.2 | 626.2 | 592.4 | 562.6 | 527.2 | 483.3 | 426.6 | 373.7 | 323.8 | 271.5 |
| -15° | 712.3 | 662.7 | 621.3 | 589.7 | 558.7 | 522.2 | 476.6 | 422.0 | 370.3 | 319.9 | 267.9 |
| -17.5° | 700.9 | 653.5 | 615.2 | 586.2 | 553.5 | 516.0 | 469.1 | 416.6 | 365.9 | 315.3 | 264.1 |
| -20° | 690.0 | 644.7 | 608.3 | 581.9 | 547.2 | 508.7 | 460.8 | 410.2 | 360.5 | 309.9 | 259.7 |



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -22.5° | 677.6 | 636.4 | 603.0 | 574.6 | 539.1 | 500.1 | 451.8 | 403.1 | 354.1 | 303.6 | 254.6 |
| -25° | 663.5 | 627.0 | 596.1 | 565.4 | 528.9 | 488.6 | 442.3 | 395.1 | 346.6 | 296.6 | 248.7 |
| -27.5° | 650.8 | 616.7 | 587.1 | 555.7 | 518.9 | 476.7 | 432.3 | 386.0 | 338.1 | 288.7 | 242.1 |
| -30° | 638.1 | 605.7 | 576.0 | 545.0 | 508.2 | 464.9 | 421.6 | 375.7 | 328.3 | 280.4 | 234.8 |
| -32.5° | 622.2 | 592.3 | 564.3 | 532.6 | 494.9 | 451.7 | 409.4 | 364.2 | 317.7 | 271.4 | 227.1 |
| -35° | 604.8 | 578.1 | 552.2 | 519.7 | 479.3 | 436.7 | 395.0 | 351.7 | 306.3 | 261.5 | 219.0 |
| -37.5° | 586.5 | 562.8 | 537.6 | 503.9 | 462.2 | 419.9 | 378.8 | 337.2 | 294.1 | 250.8 | 210.3 |
| -40° | 568.6 | 545.7 | 520.9 | 483.9 | 442.5 | 401.5 | 361.8 | 322.1 | 281.1 | 239.3 | 201.0 |
| -42.5° | 549.4 | 527.8 | 499.0 | 462.2 | 420.6 | 381.9 | 344.1 | 306.6 | 267.2 | 227.8 | 191.3 |
| -45° | 530.5 | 507.3 | 475.5 | 437.3 | 397.3 | 361.6 | 326.5 | 290.6 | 252.9 | 216.0 | 181.0 |
| -47.5° | 510.2 | 482.9 | 449.8 | 411.9 | 374.6 | 340.9 | 308.5 | 274.2 | 238.0 | 203.8 | 170.3 |
| -50° | 485.4 | 456.6 | 422.3 | 387.3 | 352.3 | 321.0 | 290.1 | 257.3 | 223.6 | 191.1 | 159.2 |
| -52.5° | 456.7 | 427.2 | 395.0 | 362.4 | 330.4 | 300.9 | 271.4 | 240.1 | 208.4 | 177.7 | 147.6 |
| -55° | 425.8 | 397.7 | 367.5 | 336.7 | 307.5 | 280.3 | 252.3 | 222.2 | 192.6 | 163.8 | 135.8 |
| -57.5° | 392.3 | 367.1 | 338.1 | 309.7 | 283.7 | 258.9 | 232.0 | 203.6 | 176.0 | 149.2 | 124.9 |
| -60° | 356.4 | 332.3 | 306.6 | 282.5 | 259.3 | 235.5 | 210.4 | 184.2 | 158.8 | 134.6 | 113.5 |
| -62.5° | 318.6 | 296.9 | 276.1 | 254.8 | 232.6 | 210.2 | 188.0 | 164.2 | 141.0 | 121.3 | 101.9 |
| -65° | 280.3 | 262.3 | 245.0 | 224.3 | 204.0 | 184.4 | 164.8 | 143.5 | 125.1 | 107.6 | 90.3 |
| -67.5° | 241.1 | 226.7 | 210.1 | 192.2 | 176.1 | 159.3 | 141.2 | 125.1 | 109.6 | 93.8 | 79.7 |
| -70° | 205.4 | 191.3 | 177.2 | 163.8 | 149.5 | 134.6 | 121.3 | 107.6 | 93.8 | 81.4 | 68.8 |
| -72.5° | 171.4 | 160.0 | 148.1 | 136.1 | 125.0 | 113.5 | 101.9 | 90.3 | 79.7 | 68.8 | 57.8 |
| -75° | 138.7 | 129.9 | 120.9 | 111.6 | 102.1 | 92.4 | 83.6 | 74.6 | 65.4 | 56.1 | 47.8 |
| -77.5° | 109.3 | 102.1 | 94.7 | 87.7 | 80.7 | 73.6 | 66.2 | 58.7 | 51.6 | 45.0 | 38.2 |
| -80° | 80.5 | 75.5 | 70.7 | 65.9 | 60.3 | 54.6 | 49.6 | 44.5 | 39.2 | 33.9 | 28.5 |
| -82.5° | 51.9 | 50.0 | 48.1 | 45.6 | 42.0 | 38.3 | 34.6 | 30.7 | 26.8 | 22.8 | 19.8 |
| -85° | 32.1 | 30.6 | 28.8 | 26.8 | 24.4 | 22.0 | 20.3 | 18.6 | 16.8 | 15.0 | 13.2 |
| -87.5° | 14.9 | 14.1 | 13.4 | 12.6 | 11.8 | 11.0 | 10.2 | 9.3 | 8.4 | 7.5 | 6.6 |
| -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: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-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° | 5.7 | 4.8 | 3.8 | 2.9 | 1.9 | 0.8 | 0.0 |
| 85° | 11.4 | 9.5 | 7.6 | 5.7 | 3.8 | 1.7 | 0.0 |
| 82.5° | 17.0 | 14.2 | 11.4 | 8.6 | 5.7 | 2.5 | 0.0 |
| 80° | 23.0 | 19.0 | 15.2 | 11.4 | 7.6 | 3.3 | 0.0 |
| 77.5° | 31.3 | 24.3 | 19.0 | 14.2 | 9.5 | 4.2 | 0.0 |
| 75° | 39.5 | 30.9 | 22.9 | 17.0 | 11.3 | 5.0 | 0.0 |
| 72.5° | 47.6 | 37.4 | 27.9 | 19.8 | 13.1 | 5.7 | 0.0 |
| 70° | 55.6 | 43.7 | 32.8 | 22.7 | 14.8 | 6.5 | 0.0 |
| 67.5° | 64.8 | 49.9 | 37.6 | 26.1 | 16.5 | 7.3 | 0.0 |
| 65° | 73.9 | 56.7 | 42.3 | 29.5 | 18.1 | 8.0 | 0.0 |
| 62.5° | 82.7 | 64.1 | 46.8 | 32.8 | 19.7 | 8.7 | 0.0 |
| 60° | 91.3 | 71.3 | 51.2 | 36.0 | 21.2 | 9.4 | 0.0 |
| 57.5° | 100.8 | 78.3 | 56.7 | 39.1 | 23.2 | 10.1 | 0.0 |
| 55° | 110.2 | 85.1 | 62.2 | 42.1 | 25.2 | 10.8 | 0.0 |
| 52.5° | 119.2 | 91.9 | 67.5 | 45.0 | 27.0 | 11.4 | 0.0 |
| 50° | 128.0 | 99.2 | 72.6 | 47.7 | 28.9 | 12.0 | 0.0 |
| 47.5° | 136.6 | 106.2 | 77.5 | 50.6 | 30.7 | 12.5 | 0.0 |
| 45° | 145.7 | 112.9 | 82.2 | 54.1 | 32.4 | 13.0 | 0.0 |
| 42.5° | 154.5 | 119.4 | 86.7 | 57.5 | 34.0 | 13.5 | 0.0 |
| 40° | 162.9 | 125.5 | 91.2 | 60.8 | 35.6 | 14.0 | 0.0 |
| 37.5° | 170.8 | 131.3 | 95.9 | 63.9 | 37.2 | 14.4 | 0.0 |
| 35° | 178.2 | 137.2 | 100.2 | 66.9 | 38.6 | 14.8 | 0.0 |
| 32.5° | 185.2 | 143.0 | 104.3 | 69.7 | 40.0 | 15.2 | 0.0 |
| 30° | 191.7 | 148.4 | 108.1 | 72.4 | 41.3 | 15.5 | 0.0 |
| 27.5° | 197.7 | 153.4 | 111.8 | 74.8 | 42.5 | 15.8 | 0.0 |
| 25° | 203.2 | 158.0 | 115.2 | 77.0 | 43.7 | 16.0 | 0.0 |
| 22.5° | 208.1 | 162.1 | 118.3 | 79.1 | 44.7 | 16.2 | 0.0 |
| 20° | 212.6 | 165.6 | 121.1 | 80.9 | 45.7 | 16.4 | 0.0 |
| 17.5° | 216.2 | 168.7 | 123.6 | 82.5 | 46.5 | 16.5 | 0.0 |
| 15° | 219.2 | 171.2 | 125.8 | 83.9 | 47.2 | 16.6 | 0.0 |
| 12.5° | 221.7 | 173.2 | 127.6 | 85.1 | 47.9 | 16.7 | 0.0 |
| 10° | 223.5 | 174.6 | 129.1 | 86.1 | 48.4 | 16.7 | 0.0 |
| 7.5° | 224.8 | 175.6 | 130.3 | 86.9 | 48.8 | 16.7 | 0.0 |
| 5° | 225.5 | 176.1 | 131.1 | 87.5 | 49.2 | 16.7 | 0.0 |
| 2.5° | 225.6 | 176.2 | 131.6 | 87.8 | 49.3 | 16.6 | 0.0 |
| 0° | 225.2 | 175.8 | 131.8 | 87.9 | 49.4 | 16.5 | 0.0 |
| -2.5° | 225.6 | 176.2 | 131.6 | 87.8 | 49.3 | 16.6 | 0.0 |
| -5° | 225.5 | 176.1 | 131.1 | 87.5 | 49.2 | 16.7 | 0.0 |
| -7.5° | 224.8 | 175.6 | 130.3 | 86.9 | 48.8 | 16.7 | 0.0 |
| -10° | 223.5 | 174.6 | 129.1 | 86.1 | 48.4 | 16.7 | 0.0 |
| -12.5° | 221.7 | 173.2 | 127.6 | 85.1 | 47.9 | 16.7 | 0.0 |
| -15° | 219.2 | 171.2 | 125.8 | 83.9 | 47.2 | 16.6 | 0.0 |
| -17.5° | 216.2 | 168.7 | 123.6 | 82.5 | 46.5 | 16.5 | 0.0 |
| -20° | 212.6 | 165.6 | 121.1 | 80.9 | 45.7 | 16.4 | 0.0 |

Classified

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

Scaled Data Report



REPORT NUMBER: P627439 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|-------|-------|------|-------|-----|
| -22.5° | 208.1 | 162.1 | 118.3 | 79.1 | 44.7 | 16.2 | 0.0 |
| -25° | 203.2 | 158.0 | 115.2 | 77.0 | 43.7 | 16.0 | 0.0 |
| -27.5° | 197.7 | 153.4 | 111.8 | 74.8 | 42.5 | 15.8 | 0.0 |
| -30° | 191.7 | 148.4 | 108.1 | 72.4 | 41.3 | 15.5 | 0.0 |
| -32.5° | 185.2 | 143.0 | 104.3 | 69.7 | 40.0 | 15.2 | 0.0 |
| -35° | 178.2 | 137.2 | 100.2 | 66.9 | 38.6 | 14.8 | 0.0 |
| -37.5° | 170.8 | 131.3 | 95.9 | 63.9 | 37.2 | 14.4 | 0.0 |
| -40° | 162.9 | 125.5 | 91.2 | 60.8 | 35.6 | 14.0 | 0.0 |
| -42.5° | 154.5 | 119.4 | 86.7 | 57.5 | 34.0 | 13.5 | 0.0 |
| -45° | 145.7 | 112.9 | 82.2 | 54.1 | 32.4 | 13.0 | 0.0 |
| -47.5° | 136.6 | 106.2 | 77.5 | 50.6 | 30.7 | 12.5 | 0.0 |
| -50° | 128.0 | 99.2 | 72.6 | 47.7 | 28.9 | 12.0 | 0.0 |
| -52.5° | 119.2 | 91.9 | 67.5 | 45.0 | 27.0 | 11.4 | 0.0 |
| -55° | 110.2 | 85.1 | 62.2 | 42.1 | 25.2 | 10.8 | 0.0 |
| -57.5° | 100.8 | 78.3 | 56.7 | 39.1 | 23.2 | 10.1 | 0.0 |
| -60° | 91.3 | 71.3 | 51.2 | 36.0 | 21.2 | 9.4 | 0.0 |
| -62.5° | 82.7 | 64.1 | 46.8 | 32.8 | 19.7 | 8.7 | 0.0 |
| -65° | 73.9 | 56.7 | 42.3 | 29.5 | 18.1 | 8.0 | 0.0 |
| -67.5° | 64.8 | 49.9 | 37.6 | 26.1 | 16.5 | 7.3 | 0.0 |
| -70° | 55.6 | 43.7 | 32.8 | 22.7 | 14.8 | 6.5 | 0.0 |
| -72.5° | 47.6 | 37.4 | 27.9 | 19.8 | 13.1 | 5.7 | 0.0 |
| -75° | 39.5 | 30.9 | 22.9 | 17.0 | 11.3 | 5.0 | 0.0 |
| -77.5° | 31.3 | 24.3 | 19.0 | 14.2 | 9.5 | 4.2 | 0.0 |
| -80° | 23.0 | 19.0 | 15.2 | 11.4 | 7.6 | 3.3 | 0.0 |
| -82.5° | 17.0 | 14.2 | 11.4 | 8.6 | 5.7 | 2.5 | 0.0 |
| -85° | 11.4 | 9.5 | 7.6 | 5.7 | 3.8 | 1.7 | 0.0 |
| -87.5° | 5.7 | 4.8 | 3.8 | 2.9 | 1.9 | 0.8 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)