

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: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645349 (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: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1E-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

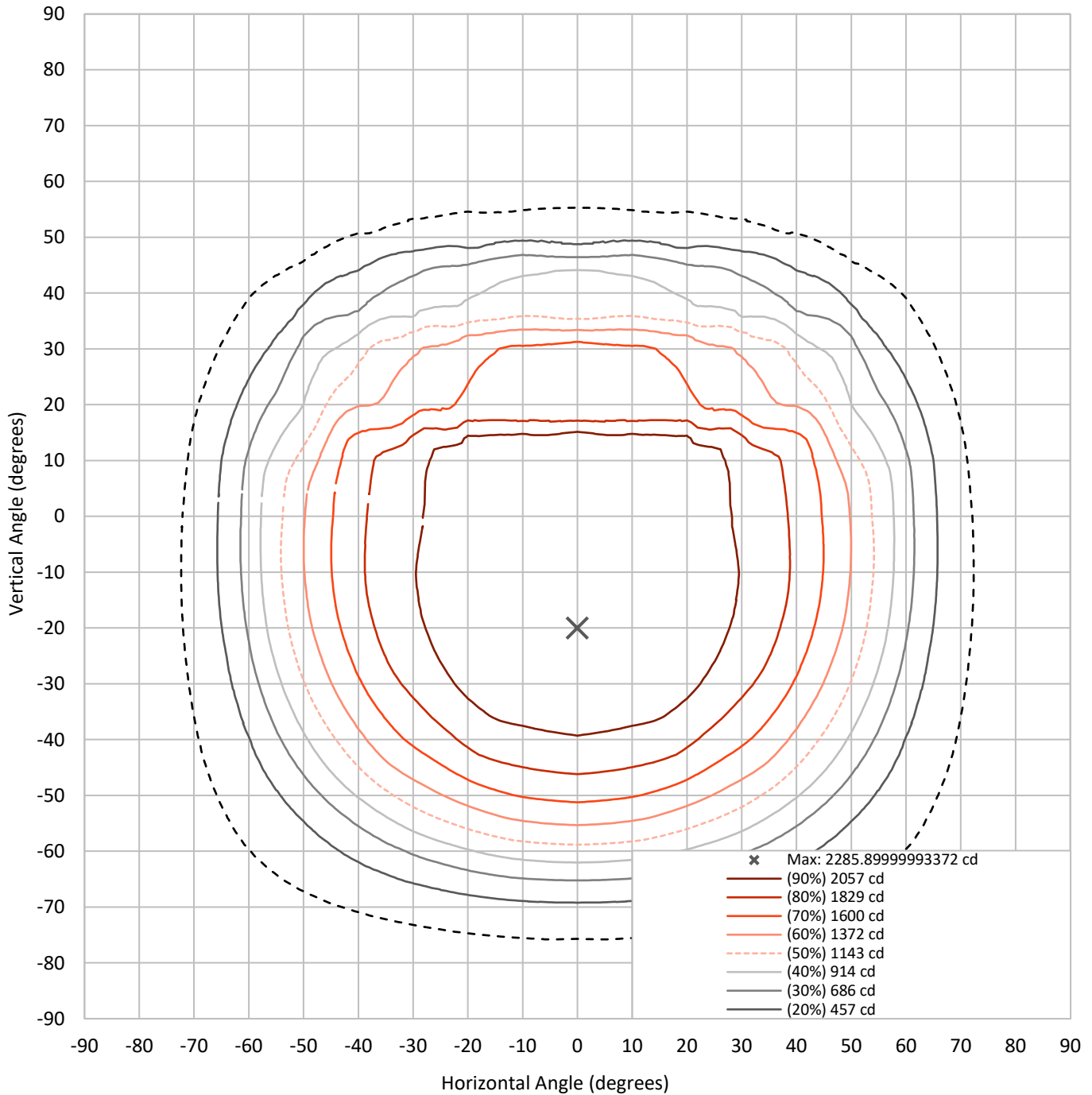
Summary

| | | | |
|-----------------------------------|--|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 7H x 7V |
| Luminaire Lumens: | 5360 lumens | Max Intensity: | 2285.9 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x -20°V |
| Efficacy: | 81.0 lumens/watt | | |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') | | |
| Beam Angle (50%): | 105.6°H x 93.7°V | Field Angle (10%): | 144°H x 131.2°V |
| Beam Lumens: | 4190.1 lumens | Field Lumens: | 5253.6 lumens |
| Beam Efficiency: | 78.2% | Field Efficiency: | 98.0% |
| Input Watts (W): | 66.2 | | |
| 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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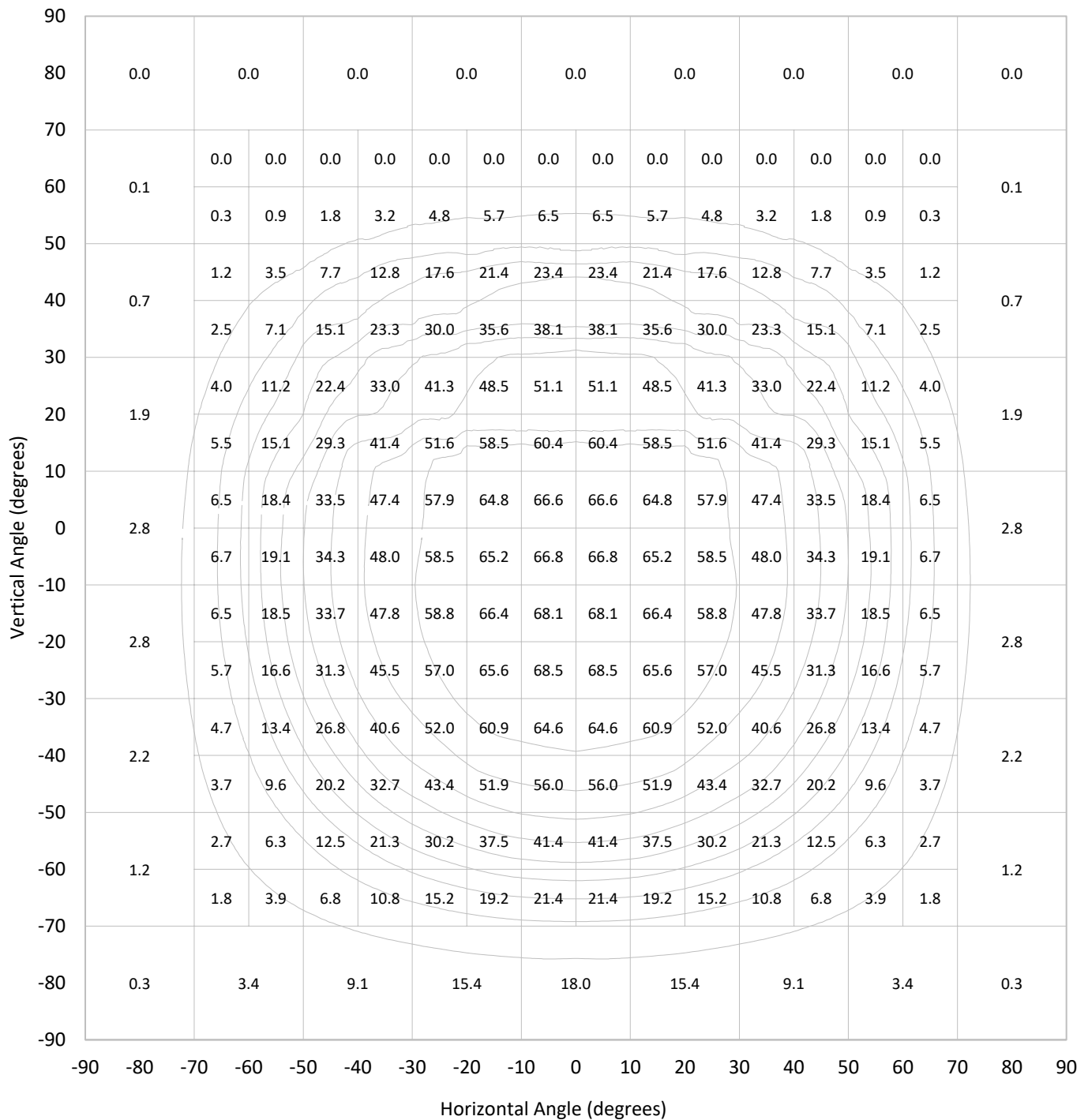
Iso-Candela Plot





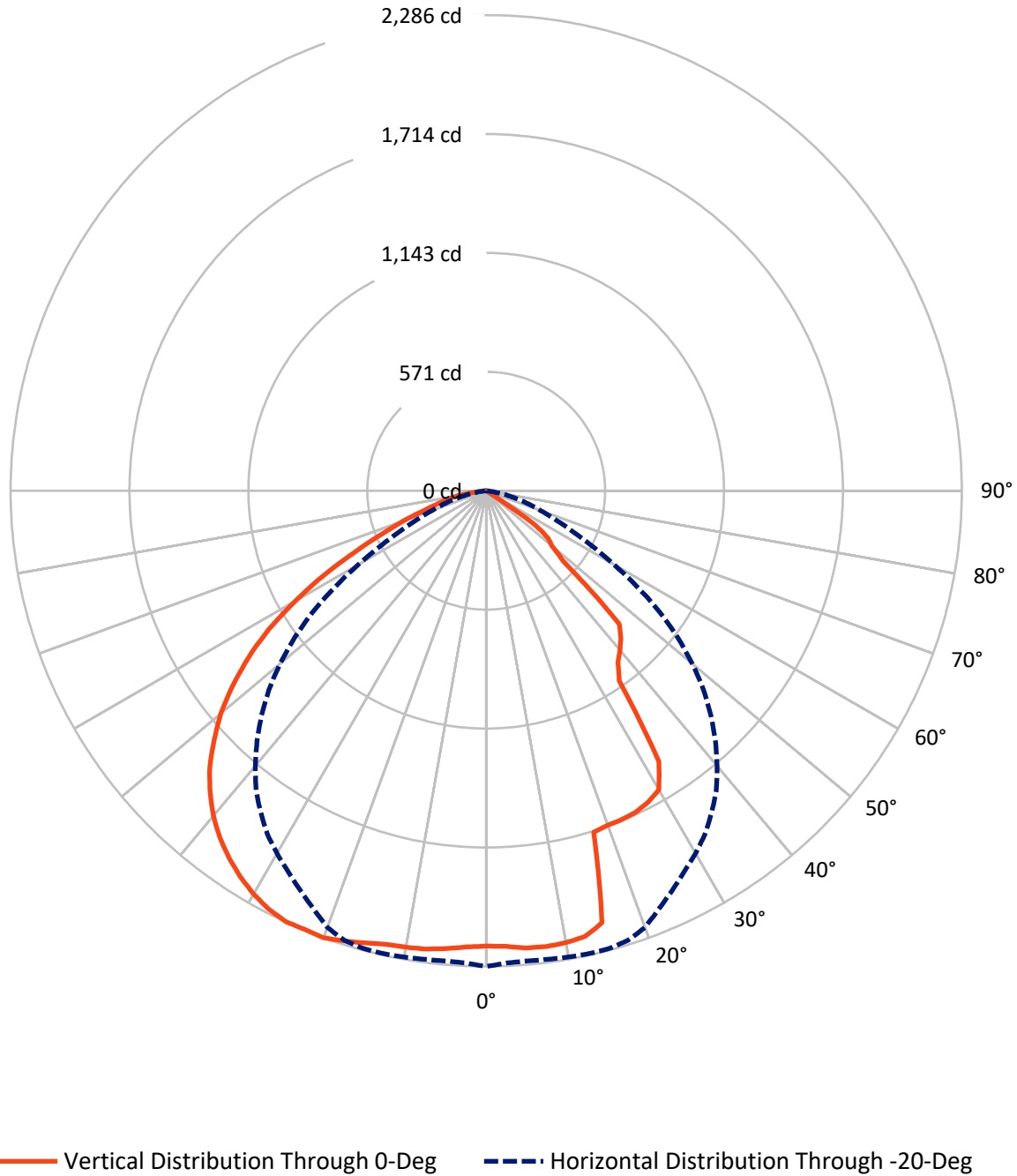
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Lumen Table



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
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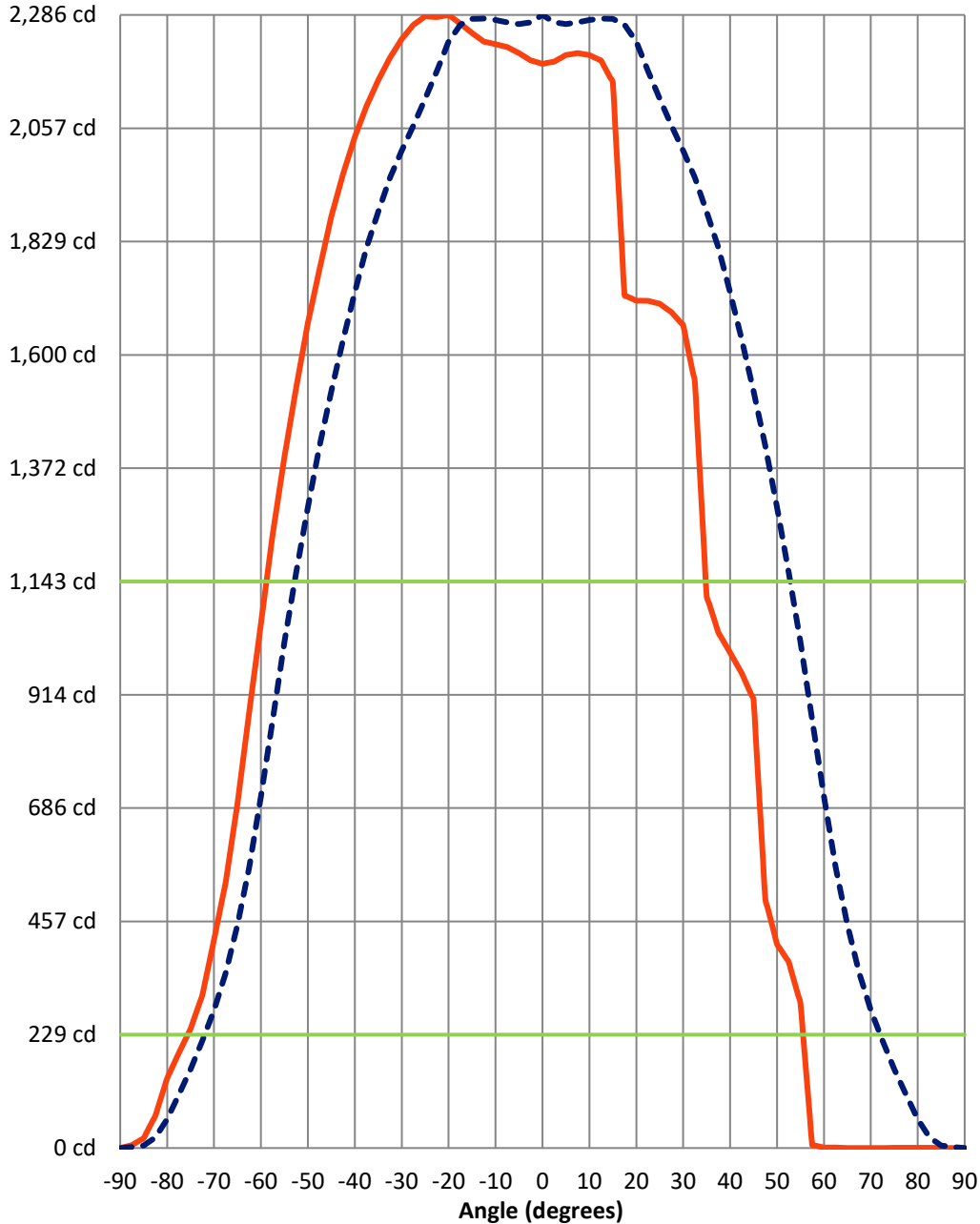
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 4190.1
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 5253.6
 Efficiency: 98.0%

Spill:
 Lumens: 106.5
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 85° | 0.0 | 0.1 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 |
| 82.5° | 0.0 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.8 | 0.8 | 0.8 | 0.6 | 0.5 |
| 80° | 0.0 | 0.2 | 0.3 | 0.5 | 0.7 | 0.9 | 1.0 | 0.9 | 0.8 | 0.6 | 0.5 |
| 77.5° | 0.0 | 0.3 | 0.4 | 0.6 | 0.9 | 1.0 | 1.0 | 0.9 | 0.8 | 0.6 | 0.5 |
| 75° | 0.0 | 0.3 | 0.5 | 0.8 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.7 | 0.5 |
| 72.5° | 0.0 | 0.4 | 0.6 | 0.9 | 1.1 | 1.1 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 |
| 70° | 0.0 | 0.4 | 0.7 | 1.0 | 1.1 | 1.1 | 1.1 | 0.9 | 0.8 | 0.7 | 0.8 |
| 67.5° | 0.0 | 0.5 | 0.8 | 1.1 | 1.2 | 1.2 | 1.2 | 0.9 | 0.8 | 1.1 | 1.1 |
| 65° | 0.0 | 0.5 | 0.9 | 1.1 | 1.2 | 1.3 | 1.3 | 1.0 | 1.3 | 1.5 | 1.9 |
| 62.5° | 0.0 | 0.6 | 1.0 | 1.2 | 1.3 | 1.6 | 1.6 | 1.3 | 1.8 | 2.7 | 4.3 |
| 60° | 0.0 | 0.6 | 1.1 | 1.2 | 1.3 | 2.0 | 1.8 | 1.8 | 2.3 | 6.8 | 7.4 |
| 57.5° | 0.0 | 0.7 | 1.1 | 1.3 | 1.7 | 2.4 | 3.4 | 2.6 | 6.6 | 11.5 | 13.4 |
| 55° | 0.0 | 0.7 | 1.2 | 1.3 | 2.1 | 2.8 | 5.3 | 4.2 | 12.3 | 17.8 | 21.7 |
| 52.5° | 0.0 | 0.8 | 1.2 | 1.4 | 2.5 | 3.6 | 7.6 | 10.7 | 18.5 | 27.9 | 31.4 |
| 50° | 0.0 | 0.8 | 1.3 | 1.4 | 3.0 | 6.1 | 10.3 | 18.1 | 26.4 | 39.1 | 49.0 |
| 47.5° | 0.0 | 0.9 | 1.3 | 1.6 | 3.4 | 8.8 | 13.8 | 25.8 | 38.1 | 51.5 | 67.1 |
| 45° | 0.0 | 0.9 | 1.4 | 1.9 | 3.9 | 11.7 | 20.9 | 33.9 | 51.1 | 67.1 | 84.6 |
| 42.5° | 0.0 | 1.0 | 1.5 | 2.3 | 4.4 | 14.7 | 28.1 | 44.1 | 64.3 | 82.3 | 104.8 |
| 40° | 0.0 | 1.0 | 1.5 | 2.8 | 5.9 | 18.0 | 35.5 | 55.8 | 78.0 | 97.3 | 126.4 |
| 37.5° | 0.0 | 1.1 | 1.6 | 3.4 | 8.5 | 21.4 | 43.0 | 67.5 | 92.3 | 115.2 | 149.0 |
| 35° | 0.0 | 1.1 | 1.6 | 4.0 | 11.1 | 26.6 | 50.6 | 79.1 | 106.9 | 137.3 | 175.6 |
| 32.5° | 0.0 | 1.2 | 1.7 | 4.7 | 13.7 | 32.6 | 58.9 | 90.8 | 121.6 | 159.4 | 208.1 |
| 30° | 0.0 | 1.2 | 1.8 | 5.5 | 16.3 | 38.6 | 68.3 | 102.5 | 136.5 | 181.6 | 239.2 |
| 27.5° | 0.0 | 1.2 | 1.8 | 6.3 | 19.6 | 44.5 | 77.6 | 114.8 | 152.9 | 203.8 | 269.0 |
| 25° | 0.0 | 1.3 | 1.9 | 7.2 | 22.9 | 50.3 | 86.6 | 126.9 | 171.3 | 228.1 | 297.4 |
| 22.5° | 0.0 | 1.3 | 1.9 | 8.1 | 26.2 | 56.2 | 95.4 | 138.8 | 189.4 | 252.3 | 326.1 |
| 20° | 0.0 | 1.3 | 2.0 | 9.0 | 29.5 | 62.5 | 103.9 | 150.5 | 207.0 | 275.1 | 354.1 |
| 17.5° | 0.0 | 1.4 | 2.1 | 10.0 | 32.8 | 68.7 | 112.3 | 161.8 | 224.0 | 296.6 | 381.3 |
| 15° | 0.0 | 1.4 | 2.1 | 10.9 | 35.9 | 74.6 | 120.4 | 172.4 | 240.4 | 316.6 | 407.3 |
| 12.5° | 0.0 | 1.4 | 2.2 | 11.9 | 39.0 | 80.2 | 127.9 | 181.8 | 253.4 | 335.1 | 432.1 |
| 10° | 0.0 | 1.4 | 2.2 | 12.8 | 41.9 | 85.5 | 134.9 | 190.4 | 263.2 | 346.2 | 452.4 |
| 7.5° | 0.0 | 1.5 | 2.3 | 13.7 | 44.7 | 90.5 | 141.4 | 198.3 | 271.5 | 354.8 | 464.1 |
| 5° | 0.0 | 1.5 | 2.3 | 14.6 | 47.2 | 95.1 | 147.2 | 205.4 | 278.4 | 361.8 | 473.7 |
| 2.5° | 0.0 | 1.5 | 2.4 | 15.4 | 49.6 | 99.3 | 152.5 | 211.7 | 284.0 | 367.1 | 481.1 |
| 0° | 0.0 | 1.5 | 2.4 | 16.1 | 51.7 | 103.0 | 157.1 | 217.2 | 288.4 | 370.9 | 486.1 |
| -2.5° | 0.0 | 1.6 | 2.8 | 17.2 | 53.7 | 105.3 | 159.4 | 220.4 | 290.0 | 375.7 | 489.4 |
| -5° | 0.0 | 1.7 | 3.2 | 18.1 | 55.3 | 107.2 | 161.1 | 222.7 | 290.5 | 378.8 | 490.4 |
| -7.5° | 0.0 | 1.7 | 3.5 | 19.0 | 56.7 | 108.5 | 162.2 | 224.2 | 290.1 | 380.0 | 489.3 |
| -10° | 0.0 | 1.8 | 3.9 | 19.7 | 57.7 | 109.4 | 162.7 | 224.7 | 288.9 | 379.3 | 486.2 |
| -12.5° | 0.0 | 1.9 | 4.2 | 20.4 | 58.4 | 109.7 | 162.6 | 224.4 | 286.9 | 376.2 | 480.8 |
| -15° | 0.0 | 1.9 | 4.5 | 20.9 | 58.8 | 109.6 | 162.0 | 223.0 | 284.6 | 370.3 | 473.1 |
| -17.5° | 0.0 | 2.0 | 4.8 | 21.2 | 58.7 | 108.9 | 160.8 | 220.4 | 281.8 | 362.8 | 463.0 |
| -20° | 0.0 | 2.0 | 5.1 | 21.4 | 58.3 | 107.7 | 159.0 | 216.5 | 277.9 | 353.9 | 450.6 |

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CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| -22.5° | 0.0 | 2.1 | 5.4 | 21.5 | 57.5 | 106.1 | 156.3 | 211.9 | 272.8 | 343.7 | 435.8 |
| -25° | 0.0 | 2.1 | 5.6 | 21.4 | 56.3 | 103.5 | 153.0 | 206.6 | 266.4 | 332.2 | 418.7 |
| -27.5° | 0.0 | 2.1 | 5.8 | 21.1 | 54.6 | 100.3 | 149.1 | 200.5 | 258.9 | 321.0 | 403.6 |
| -30° | 0.0 | 2.1 | 5.9 | 20.7 | 52.6 | 96.7 | 144.6 | 193.7 | 250.6 | 311.6 | 387.5 |
| -32.5° | 0.0 | 2.1 | 6.0 | 20.1 | 50.2 | 92.7 | 139.5 | 187.4 | 241.9 | 300.6 | 370.2 |
| -35° | 0.0 | 2.1 | 6.1 | 19.3 | 47.5 | 88.2 | 134.0 | 180.8 | 232.4 | 288.3 | 351.9 |
| -37.5° | 0.0 | 2.1 | 6.2 | 18.3 | 44.6 | 83.7 | 128.1 | 173.5 | 222.3 | 274.4 | 333.8 |
| -40° | 0.0 | 2.1 | 6.2 | 17.2 | 41.4 | 79.6 | 121.7 | 165.6 | 211.5 | 261.4 | 315.9 |
| -42.5° | 0.0 | 2.1 | 6.1 | 16.0 | 39.0 | 75.3 | 114.8 | 156.9 | 201.1 | 247.6 | 296.6 |
| -45° | 0.0 | 2.0 | 6.1 | 14.7 | 37.3 | 70.7 | 107.6 | 147.9 | 190.4 | 232.9 | 276.6 |
| -47.5° | 0.0 | 2.0 | 6.0 | 13.3 | 35.4 | 65.8 | 99.9 | 139.0 | 178.9 | 217.5 | 259.4 |
| -50° | 0.0 | 1.9 | 5.8 | 12.8 | 33.1 | 60.6 | 93.5 | 129.6 | 166.3 | 203.3 | 241.3 |
| -52.5° | 0.0 | 1.9 | 5.6 | 12.5 | 30.6 | 55.2 | 87.1 | 119.7 | 154.2 | 188.8 | 222.8 |
| -55° | 0.0 | 1.8 | 5.4 | 12.2 | 27.8 | 51.1 | 80.4 | 109.8 | 142.0 | 173.8 | 206.3 |
| -57.5° | 0.0 | 1.7 | 5.2 | 11.6 | 24.7 | 46.9 | 73.5 | 101.9 | 129.5 | 159.4 | 189.5 |
| -60° | 0.0 | 1.6 | 4.9 | 11.0 | 21.5 | 42.4 | 66.4 | 93.1 | 116.9 | 144.9 | 172.7 |
| -62.5° | 0.0 | 1.5 | 4.6 | 10.2 | 20.0 | 37.5 | 60.0 | 83.6 | 105.3 | 130.0 | 156.2 |
| -65° | 0.0 | 1.4 | 4.3 | 9.3 | 18.3 | 32.3 | 53.1 | 73.8 | 93.0 | 115.0 | 139.4 |
| -67.5° | 0.0 | 1.3 | 3.9 | 8.3 | 16.3 | 27.9 | 45.8 | 64.0 | 80.0 | 99.4 | 121.2 |
| -70° | 0.0 | 1.1 | 3.5 | 7.2 | 14.2 | 24.4 | 38.1 | 54.0 | 68.4 | 83.1 | 101.8 |
| -72.5° | 0.0 | 1.0 | 3.1 | 6.4 | 11.9 | 20.7 | 32.3 | 43.8 | 56.6 | 69.5 | 82.7 |
| -75° | 0.0 | 0.9 | 2.7 | 5.5 | 9.5 | 16.7 | 26.4 | 35.3 | 44.5 | 55.8 | 67.3 |
| -77.5° | 0.0 | 0.7 | 2.3 | 4.7 | 7.9 | 12.5 | 20.2 | 27.3 | 34.6 | 42.6 | 51.7 |
| -80° | 0.0 | 0.6 | 1.9 | 3.8 | 6.3 | 9.6 | 13.8 | 19.1 | 24.8 | 31.0 | 37.6 |
| -82.5° | 0.0 | 0.4 | 1.4 | 2.9 | 4.8 | 7.2 | 10.1 | 12.3 | 14.8 | 19.1 | 23.8 |
| -85° | 0.0 | 0.3 | 0.9 | 1.9 | 3.2 | 4.8 | 6.8 | 8.2 | 9.7 | 11.2 | 12.7 |
| -87.5° | 0.0 | 0.2 | 0.5 | 1.0 | 1.6 | 2.4 | 3.4 | 4.1 | 4.8 | 5.6 | 6.4 |
| -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° | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.8 | 0.8 | 0.7 | 0.6 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 |
| 67.5° | 1.0 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 | 0.6 | 0.5 | 0.5 | 0.5 |
| 65° | 1.0 | 0.9 | 1.2 | 1.4 | 1.0 | 0.9 | 0.8 | 0.6 | 0.7 | 0.7 | 0.7 |
| 62.5° | 1.5 | 1.8 | 2.3 | 4.1 | 3.1 | 0.9 | 1.6 | 1.9 | 1.4 | 1.2 | 1.3 |
| 60° | 4.8 | 3.3 | 9.6 | 13.8 | 8.6 | 3.2 | 3.9 | 12.8 | 11.1 | 2.1 | 6.9 |
| 57.5° | 10.0 | 13.8 | 25.4 | 25.8 | 17.9 | 12.3 | 35.8 | 41.4 | 31.3 | 18.3 | 27.9 |
| 55° | 22.1 | 33.9 | 42.0 | 38.9 | 42.5 | 64.3 | 76.4 | 68.6 | 57.8 | 88.9 | 113.5 |
| 52.5° | 43.1 | 55.2 | 57.9 | 66.5 | 95.2 | 109.4 | 104.8 | 112.1 | 145.4 | 180.5 | 188.1 |
| 50° | 63.6 | 73.5 | 81.2 | 117.4 | 139.9 | 141.3 | 151.7 | 184.7 | 229.1 | 250.6 | 245.4 |
| 47.5° | 83.5 | 93.7 | 129.6 | 164.4 | 174.5 | 188.3 | 214.4 | 278.0 | 325.0 | 325.9 | 320.6 |
| 45° | 104.4 | 131.8 | 177.6 | 200.3 | 216.7 | 243.4 | 306.3 | 394.1 | 398.6 | 411.4 | 489.8 |
| 42.5° | 126.9 | 174.8 | 214.7 | 238.4 | 264.8 | 314.7 | 398.7 | 456.2 | 476.1 | 531.9 | 594.9 |
| 40° | 163.2 | 216.3 | 251.3 | 281.4 | 315.4 | 388.2 | 480.2 | 534.1 | 550.2 | 598.5 | 646.0 |
| 37.5° | 200.1 | 251.0 | 290.2 | 326.6 | 373.7 | 471.9 | 578.4 | 622.8 | 630.9 | 639.8 | 744.9 |
| 35° | 235.6 | 286.6 | 333.4 | 381.1 | 438.8 | 580.3 | 673.3 | 715.1 | 713.8 | 773.5 | 883.5 |
| 32.5° | 268.8 | 323.0 | 378.3 | 442.0 | 537.3 | 682.2 | 775.2 | 800.3 | 838.3 | 925.0 | 1075.2 |
| 30° | 302.0 | 363.5 | 427.0 | 502.9 | 623.7 | 749.2 | 855.5 | 895.8 | 960.9 | 1059.9 | 1169.2 |
| 27.5° | 336.1 | 405.2 | 481.9 | 570.8 | 691.9 | 807.3 | 898.0 | 994.3 | 1057.6 | 1146.3 | 1224.1 |
| 25° | 370.2 | 449.2 | 536.1 | 630.2 | 740.6 | 848.2 | 942.0 | 1053.2 | 1121.1 | 1192.7 | 1265.2 |
| 22.5° | 405.8 | 493.9 | 592.0 | 677.3 | 781.7 | 882.9 | 994.7 | 1115.3 | 1203.6 | 1249.1 | 1297.8 |
| 20° | 443.1 | 542.2 | 646.8 | 741.3 | 822.3 | 915.2 | 1047.5 | 1194.1 | 1308.0 | 1359.2 | 1365.9 |
| 17.5° | 479.9 | 589.0 | 701.5 | 803.8 | 891.1 | 973.9 | 1103.0 | 1288.5 | 1430.2 | 1477.8 | 1498.9 |
| 15° | 515.7 | 634.0 | 755.9 | 864.6 | 960.4 | 1061.6 | 1199.6 | 1388.1 | 1550.2 | 1602.8 | 1636.1 |
| 12.5° | 550.3 | 676.9 | 809.4 | 923.4 | 1029.8 | 1143.3 | 1287.2 | 1459.8 | 1607.7 | 1709.6 | 1770.6 |
| 10° | 583.3 | 717.5 | 861.3 | 979.8 | 1098.4 | 1219.1 | 1359.8 | 1513.3 | 1633.7 | 1731.9 | 1818.6 |
| 7.5° | 599.9 | 744.0 | 905.9 | 1033.5 | 1165.3 | 1289.1 | 1419.2 | 1550.9 | 1652.3 | 1748.7 | 1832.5 |
| 5° | 611.2 | 754.8 | 919.9 | 1052.2 | 1200.8 | 1335.8 | 1462.1 | 1575.7 | 1664.5 | 1760.0 | 1841.9 |
| 2.5° | 619.3 | 761.9 | 929.3 | 1062.5 | 1214.2 | 1350.1 | 1474.4 | 1584.0 | 1674.5 | 1768.1 | 1852.0 |
| 0° | 624.2 | 765.2 | 934.1 | 1068.8 | 1222.5 | 1359.6 | 1481.6 | 1587.1 | 1681.2 | 1772.0 | 1862.3 |
| -2.5° | 627.0 | 775.5 | 937.3 | 1085.0 | 1230.6 | 1367.8 | 1491.7 | 1594.6 | 1693.0 | 1779.4 | 1869.9 |
| -5° | 626.6 | 781.6 | 936.5 | 1095.9 | 1234.4 | 1370.9 | 1496.7 | 1598.0 | 1699.4 | 1784.9 | 1873.0 |
| -7.5° | 623.2 | 783.0 | 932.2 | 1099.3 | 1234.6 | 1369.9 | 1494.5 | 1599.7 | 1699.3 | 1790.0 | 1873.3 |
| -10° | 617.1 | 777.5 | 928.3 | 1090.5 | 1229.8 | 1364.3 | 1487.8 | 1596.1 | 1695.3 | 1789.0 | 1871.7 |
| -12.5° | 610.0 | 766.0 | 920.2 | 1077.8 | 1220.2 | 1353.9 | 1477.5 | 1586.9 | 1687.9 | 1781.3 | 1867.9 |
| -15° | 599.2 | 750.9 | 906.8 | 1061.6 | 1205.6 | 1338.8 | 1464.2 | 1572.0 | 1676.5 | 1767.9 | 1856.9 |
| -17.5° | 584.8 | 732.1 | 888.0 | 1042.5 | 1185.8 | 1319.1 | 1447.1 | 1552.3 | 1656.3 | 1750.8 | 1836.6 |
| -20° | 566.6 | 709.8 | 863.6 | 1020.7 | 1160.8 | 1292.7 | 1416.7 | 1526.8 | 1630.1 | 1726.2 | 1816.4 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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° | 544.6 | 684.2 | 834.1 | 991.3 | 1129.5 | 1259.9 | 1382.5 | 1494.4 | 1601.4 | 1694.3 | 1790.4 |
| -25° | 522.6 | 657.1 | 801.6 | 950.7 | 1093.2 | 1223.1 | 1346.0 | 1455.0 | 1564.4 | 1661.1 | 1752.3 |
| -27.5° | 501.5 | 625.7 | 763.9 | 906.0 | 1052.1 | 1181.3 | 1303.1 | 1412.2 | 1518.4 | 1624.1 | 1712.0 |
| -30° | 477.9 | 589.3 | 722.5 | 858.2 | 1000.7 | 1132.3 | 1255.0 | 1368.1 | 1469.2 | 1573.6 | 1667.9 |
| -32.5° | 451.8 | 550.8 | 678.8 | 809.4 | 943.7 | 1078.2 | 1199.7 | 1312.1 | 1417.3 | 1516.0 | 1615.0 |
| -35° | 426.2 | 519.6 | 632.4 | 756.9 | 883.3 | 1015.2 | 1136.9 | 1248.2 | 1357.3 | 1455.1 | 1549.8 |
| -37.5° | 403.3 | 485.9 | 583.2 | 702.1 | 822.9 | 947.7 | 1071.4 | 1179.2 | 1283.0 | 1390.5 | 1482.8 |
| -40° | 378.4 | 449.7 | 540.6 | 645.7 | 759.5 | 878.2 | 996.6 | 1108.1 | 1205.7 | 1312.0 | 1413.5 |
| -42.5° | 352.4 | 420.3 | 498.5 | 585.9 | 693.4 | 805.3 | 919.6 | 1028.6 | 1130.0 | 1230.3 | 1330.9 |
| -45° | 329.6 | 389.0 | 455.7 | 535.5 | 623.0 | 728.3 | 836.5 | 945.2 | 1042.5 | 1138.1 | 1237.5 |
| -47.5° | 305.4 | 357.7 | 419.3 | 483.1 | 559.1 | 647.1 | 749.0 | 849.2 | 948.8 | 1039.7 | 1127.6 |
| -50° | 281.3 | 329.5 | 380.1 | 437.5 | 500.3 | 571.6 | 656.1 | 749.4 | 840.3 | 933.7 | 1020.8 |
| -52.5° | 260.5 | 299.8 | 345.5 | 393.4 | 447.1 | 506.2 | 573.9 | 650.5 | 733.2 | 812.4 | 899.3 |
| -55° | 238.9 | 274.3 | 311.2 | 353.4 | 398.1 | 447.9 | 503.5 | 567.8 | 630.9 | 704.2 | 775.1 |
| -57.5° | 219.2 | 249.1 | 280.6 | 315.4 | 354.2 | 394.0 | 442.6 | 492.7 | 549.9 | 606.9 | 663.1 |
| -60° | 200.6 | 225.0 | 251.8 | 281.3 | 312.5 | 347.9 | 384.1 | 427.1 | 473.2 | 518.7 | 566.4 |
| -62.5° | 181.8 | 202.4 | 224.2 | 248.7 | 275.9 | 302.8 | 333.7 | 366.7 | 400.7 | 439.2 | 476.8 |
| -65° | 162.6 | 179.2 | 197.7 | 218.0 | 239.8 | 262.6 | 286.4 | 310.9 | 339.7 | 367.9 | 395.3 |
| -67.5° | 142.2 | 156.4 | 171.3 | 187.3 | 205.6 | 223.5 | 241.4 | 262.1 | 283.4 | 304.3 | 325.9 |
| -70° | 119.6 | 133.0 | 145.4 | 158.4 | 171.9 | 185.9 | 201.2 | 216.5 | 231.4 | 247.1 | 264.5 |
| -72.5° | 96.5 | 108.9 | 119.8 | 129.4 | 140.5 | 152.1 | 163.3 | 174.0 | 185.3 | 197.2 | 209.0 |
| -75° | 77.0 | 85.1 | 94.9 | 103.8 | 112.7 | 120.9 | 128.2 | 137.3 | 146.7 | 155.4 | 162.5 |
| -77.5° | 60.1 | 67.5 | 74.2 | 80.2 | 87.2 | 95.4 | 102.6 | 108.8 | 114.8 | 121.3 | 128.3 |
| -80° | 43.7 | 49.8 | 55.9 | 61.5 | 65.5 | 70.2 | 75.7 | 82.0 | 87.5 | 91.9 | 95.9 |
| -82.5° | 28.2 | 32.6 | 37.2 | 41.8 | 43.7 | 45.0 | 46.2 | 48.4 | 51.8 | 55.1 | 58.3 |
| -85° | 14.0 | 15.3 | 18.1 | 20.9 | 21.9 | 22.6 | 23.1 | 23.4 | 24.5 | 25.6 | 26.5 |
| -87.5° | 7.0 | 7.7 | 8.3 | 8.9 | 8.6 | 8.2 | 7.6 | 6.9 | 6.8 | 6.6 | 6.3 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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° | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.2 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.4 | 0.3 |
| 62.5° | 1.3 | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 0.9 | 0.8 | 0.9 |
| 60° | 7.7 | 4.6 | 2.7 | 3.1 | 2.8 | 1.9 | 2.4 | 2.8 | 2.8 | 2.5 | 2.2 |
| 57.5° | 42.4 | 31.7 | 23.4 | 56.0 | 56.2 | 26.8 | 32.3 | 50.7 | 41.8 | 13.7 | 12.7 |
| 55° | 118.0 | 141.1 | 185.7 | 176.4 | 179.3 | 206.2 | 225.2 | 199.4 | 195.4 | 208.2 | 240.6 |
| 52.5° | 212.0 | 234.1 | 249.1 | 263.1 | 280.2 | 298.6 | 317.5 | 329.5 | 340.8 | 352.8 | 359.9 |
| 50° | 270.7 | 301.8 | 323.2 | 315.3 | 359.5 | 377.6 | 359.2 | 375.7 | 395.7 | 401.2 | 403.8 |
| 47.5° | 399.8 | 445.3 | 454.4 | 483.7 | 510.1 | 509.5 | 487.1 | 488.4 | 548.1 | 600.7 | 626.5 |
| 45° | 574.5 | 576.1 | 604.7 | 656.6 | 693.6 | 682.0 | 713.2 | 784.4 | 808.0 | 830.9 | 849.7 |
| 42.5° | 642.6 | 670.8 | 716.5 | 762.4 | 790.0 | 814.0 | 837.1 | 863.3 | 894.0 | 918.9 | 938.8 |
| 40° | 708.5 | 731.3 | 778.1 | 815.0 | 837.9 | 860.3 | 887.2 | 916.2 | 944.3 | 966.2 | 981.2 |
| 37.5° | 810.0 | 827.6 | 839.0 | 873.3 | 916.6 | 896.6 | 947.8 | 984.5 | 1001.2 | 1023.5 | 1025.5 |
| 35° | 963.5 | 951.8 | 936.6 | 1073.0 | 1081.2 | 1035.1 | 1083.0 | 1139.9 | 1109.9 | 1172.4 | 1206.0 |
| 32.5° | 1099.6 | 1097.8 | 1216.9 | 1288.6 | 1247.4 | 1281.1 | 1391.4 | 1386.5 | 1460.1 | 1494.2 | 1484.5 |
| 30° | 1227.7 | 1271.5 | 1340.4 | 1393.8 | 1401.0 | 1454.1 | 1503.1 | 1546.0 | 1590.5 | 1630.3 | 1633.0 |
| 27.5° | 1292.8 | 1349.9 | 1396.7 | 1427.6 | 1462.1 | 1506.8 | 1551.3 | 1599.7 | 1637.4 | 1662.4 | 1668.5 |
| 25° | 1332.2 | 1390.6 | 1425.9 | 1459.2 | 1497.3 | 1535.9 | 1585.7 | 1638.3 | 1668.7 | 1684.1 | 1689.0 |
| 22.5° | 1367.0 | 1419.3 | 1457.3 | 1484.4 | 1525.4 | 1566.9 | 1613.3 | 1657.9 | 1690.8 | 1697.5 | 1700.0 |
| 20° | 1400.4 | 1450.7 | 1514.2 | 1554.0 | 1552.0 | 1598.8 | 1643.5 | 1678.9 | 1706.4 | 1706.3 | 1706.9 |
| 17.5° | 1497.0 | 1514.9 | 1630.3 | 1717.9 | 1674.5 | 1651.6 | 1774.7 | 1777.1 | 1784.4 | 1769.8 | 1738.3 |
| 15° | 1640.1 | 1672.8 | 1814.5 | 1909.4 | 1879.6 | 1878.0 | 2055.7 | 2011.7 | 2049.6 | 2039.6 | 2082.3 |
| 12.5° | 1791.7 | 1830.4 | 1936.3 | 2029.5 | 2074.0 | 2084.9 | 2144.2 | 2199.8 | 2211.3 | 2206.8 | 2198.4 |
| 10° | 1894.9 | 1950.2 | 1992.7 | 2049.3 | 2094.1 | 2139.8 | 2174.1 | 2214.1 | 2227.2 | 2219.6 | 2208.9 |
| 7.5° | 1908.4 | 1963.0 | 2012.9 | 2062.5 | 2105.2 | 2142.0 | 2177.7 | 2210.2 | 2223.5 | 2219.1 | 2211.8 |
| 5° | 1917.0 | 1966.4 | 2014.8 | 2065.1 | 2106.0 | 2140.1 | 2175.6 | 2208.5 | 2216.4 | 2211.1 | 2204.0 |
| 2.5° | 1922.2 | 1968.0 | 2014.6 | 2064.8 | 2101.8 | 2134.3 | 2170.3 | 2205.5 | 2205.4 | 2203.1 | 2198.9 |
| 0° | 1924.8 | 1970.6 | 2024.8 | 2070.2 | 2111.7 | 2142.4 | 2178.1 | 2212.2 | 2209.8 | 2203.4 | 2196.1 |
| -2.5° | 1930.2 | 1976.7 | 2032.0 | 2069.6 | 2116.4 | 2144.5 | 2181.4 | 2211.0 | 2209.8 | 2206.7 | 2203.1 |
| -5° | 1935.1 | 1987.4 | 2039.1 | 2078.7 | 2125.6 | 2162.4 | 2199.0 | 2222.1 | 2223.4 | 2219.0 | 2212.9 |
| -7.5° | 1938.1 | 1996.1 | 2045.4 | 2085.1 | 2130.6 | 2173.4 | 2210.6 | 2234.8 | 2235.4 | 2229.6 | 2222.3 |
| -10° | 1937.1 | 1998.3 | 2049.1 | 2090.1 | 2136.7 | 2179.0 | 2217.8 | 2248.6 | 2247.6 | 2242.1 | 2235.8 |
| -12.5° | 1933.5 | 1994.6 | 2046.7 | 2087.9 | 2140.8 | 2184.3 | 2228.0 | 2258.6 | 2260.2 | 2256.1 | 2249.4 |
| -15° | 1925.4 | 1988.5 | 2039.2 | 2084.2 | 2136.0 | 2186.9 | 2231.8 | 2265.6 | 2271.6 | 2268.2 | 2262.9 |
| -17.5° | 1909.5 | 1976.1 | 2029.9 | 2078.4 | 2128.1 | 2182.4 | 2233.4 | 2270.3 | 2278.5 | 2277.2 | 2272.8 |
| -20° | 1888.7 | 1957.4 | 2012.0 | 2062.7 | 2116.8 | 2172.7 | 2232.1 | 2265.9 | 2277.9 | 2278.6 | 2275.6 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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° | 1865.2 | 1932.5 | 1990.4 | 2040.3 | 2099.0 | 2155.6 | 2209.3 | 2248.9 | 2269.0 | 2272.7 | 2272.9 |
| -25° | 1837.1 | 1906.3 | 1963.8 | 2017.0 | 2071.5 | 2130.0 | 2184.3 | 2228.4 | 2248.8 | 2258.5 | 2261.5 |
| -27.5° | 1797.4 | 1868.9 | 1925.5 | 1981.7 | 2037.2 | 2097.6 | 2154.6 | 2202.6 | 2219.2 | 2232.5 | 2237.9 |
| -30° | 1750.8 | 1821.5 | 1879.3 | 1930.7 | 1994.2 | 2055.7 | 2114.7 | 2156.5 | 2181.5 | 2196.8 | 2205.1 |
| -32.5° | 1697.3 | 1768.7 | 1829.3 | 1883.0 | 1943.4 | 2004.9 | 2060.3 | 2104.5 | 2138.9 | 2156.5 | 2165.5 |
| -35° | 1639.3 | 1712.2 | 1775.7 | 1832.2 | 1889.0 | 1947.7 | 2005.1 | 2051.3 | 2090.5 | 2105.7 | 2116.9 |
| -37.5° | 1569.4 | 1649.7 | 1714.8 | 1773.1 | 1827.1 | 1882.2 | 1942.0 | 1994.9 | 2032.9 | 2047.6 | 2059.4 |
| -40° | 1497.6 | 1575.2 | 1640.9 | 1703.1 | 1756.5 | 1816.6 | 1874.3 | 1929.7 | 1962.7 | 1979.9 | 1993.2 |
| -42.5° | 1421.9 | 1492.0 | 1554.5 | 1614.8 | 1674.3 | 1736.3 | 1793.8 | 1851.4 | 1880.0 | 1900.7 | 1917.1 |
| -45° | 1334.5 | 1399.7 | 1460.4 | 1516.9 | 1578.2 | 1639.1 | 1696.7 | 1747.5 | 1781.6 | 1808.5 | 1829.4 |
| -47.5° | 1217.9 | 1297.4 | 1358.3 | 1412.1 | 1472.8 | 1531.6 | 1587.4 | 1635.2 | 1672.5 | 1704.0 | 1728.3 |
| -50° | 1099.5 | 1175.8 | 1244.5 | 1304.9 | 1361.3 | 1415.6 | 1468.7 | 1515.5 | 1555.0 | 1589.1 | 1613.7 |
| -52.5° | 983.0 | 1054.4 | 1122.6 | 1184.9 | 1239.1 | 1290.4 | 1339.0 | 1386.1 | 1427.7 | 1464.2 | 1488.0 |
| -55° | 851.2 | 925.2 | 992.7 | 1050.8 | 1104.9 | 1155.6 | 1203.6 | 1248.3 | 1289.3 | 1326.4 | 1349.3 |
| -57.5° | 727.6 | 792.5 | 855.3 | 908.9 | 960.1 | 1008.4 | 1053.9 | 1096.6 | 1136.0 | 1171.0 | 1193.0 |
| -60° | 614.0 | 661.4 | 715.3 | 764.9 | 810.2 | 851.3 | 893.8 | 933.6 | 969.9 | 1000.6 | 1021.1 |
| -62.5° | 513.6 | 552.8 | 591.8 | 629.5 | 666.3 | 703.2 | 738.8 | 771.8 | 802.0 | 827.2 | 845.2 |
| -65° | 424.1 | 455.6 | 483.9 | 510.6 | 536.1 | 565.2 | 592.2 | 617.6 | 641.2 | 660.5 | 674.2 |
| -67.5° | 349.2 | 371.4 | 390.9 | 409.2 | 429.3 | 449.9 | 469.2 | 486.0 | 500.3 | 511.8 | 520.8 |
| -70° | 281.6 | 297.9 | 312.6 | 327.2 | 341.9 | 355.3 | 368.0 | 380.4 | 392.2 | 401.7 | 408.9 |
| -72.5° | 220.6 | 231.7 | 241.7 | 252.9 | 263.5 | 273.6 | 282.5 | 289.6 | 295.1 | 300.5 | 305.2 |
| -75° | 168.2 | 176.5 | 187.8 | 197.3 | 205.2 | 212.2 | 218.6 | 224.2 | 229.2 | 233.7 | 237.6 |
| -77.5° | 135.3 | 142.4 | 149.5 | 156.5 | 163.2 | 168.2 | 172.9 | 177.5 | 182.1 | 186.0 | 189.5 |
| -80° | 100.2 | 105.5 | 111.1 | 116.7 | 122.2 | 125.0 | 127.2 | 129.2 | 131.1 | 133.4 | 135.6 |
| -82.5° | 61.3 | 64.3 | 67.4 | 70.5 | 73.6 | 74.4 | 74.7 | 74.6 | 74.2 | 73.3 | 72.0 |
| -85° | 27.3 | 27.5 | 27.4 | 27.0 | 26.5 | 25.4 | 24.1 | 22.6 | 20.9 | 20.6 | 20.3 |
| -87.5° | 6.0 | 5.9 | 5.7 | 5.5 | 5.3 | 5.3 | 5.3 | 5.3 | 5.2 | 5.4 | 5.6 |
| -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: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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 | 0.1 |
| 85° | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.4 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.3 | 0.0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.3 | 0.0 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 |
| 65° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 |
| 62.5° | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.8 | 0.9 | 1.0 |
| 60° | 1.8 | 1.2 | 1.0 | 1.0 | 1.0 | 1.2 | 1.8 | 2.2 | 2.5 | 2.8 | 2.8 |
| 57.5° | 10.8 | 8.0 | 6.8 | 6.3 | 6.8 | 8.0 | 10.8 | 12.7 | 13.7 | 41.8 | 50.7 |
| 55° | 263.8 | 277.2 | 287.2 | 291.8 | 287.2 | 277.2 | 263.8 | 240.6 | 208.2 | 195.4 | 199.4 |
| 52.5° | 366.2 | 372.0 | 375.4 | 375.3 | 375.4 | 372.0 | 366.2 | 359.9 | 352.8 | 340.8 | 329.5 |
| 50° | 408.2 | 411.0 | 412.0 | 411.4 | 412.0 | 411.0 | 408.2 | 403.8 | 401.2 | 395.7 | 375.7 |
| 47.5° | 602.9 | 550.7 | 512.4 | 503.2 | 512.4 | 550.7 | 602.9 | 626.5 | 600.7 | 548.1 | 488.4 |
| 45° | 858.7 | 878.4 | 898.2 | 904.3 | 898.2 | 878.4 | 858.7 | 849.7 | 830.9 | 808.0 | 784.4 |
| 42.5° | 947.3 | 953.7 | 957.4 | 957.5 | 957.4 | 953.7 | 947.3 | 938.8 | 918.9 | 894.0 | 863.3 |
| 40° | 989.5 | 995.6 | 999.1 | 999.5 | 999.1 | 995.6 | 989.5 | 981.2 | 966.2 | 944.3 | 916.2 |
| 37.5° | 1027.9 | 1033.1 | 1036.6 | 1040.0 | 1036.6 | 1033.1 | 1027.9 | 1025.5 | 1023.5 | 1001.2 | 984.5 |
| 35° | 1201.4 | 1162.1 | 1105.6 | 1114.2 | 1105.6 | 1162.1 | 1201.4 | 1206.0 | 1172.4 | 1109.9 | 1139.9 |
| 32.5° | 1499.7 | 1516.3 | 1526.6 | 1544.1 | 1526.6 | 1516.3 | 1499.7 | 1484.5 | 1494.2 | 1460.1 | 1386.5 |
| 30° | 1637.4 | 1642.8 | 1651.1 | 1659.8 | 1651.1 | 1642.8 | 1637.4 | 1633.0 | 1630.3 | 1590.5 | 1546.0 |
| 27.5° | 1671.7 | 1677.4 | 1682.4 | 1686.1 | 1682.4 | 1677.4 | 1671.7 | 1668.5 | 1662.4 | 1637.4 | 1599.7 |
| 25° | 1689.7 | 1693.2 | 1698.5 | 1703.2 | 1698.5 | 1693.2 | 1689.7 | 1689.0 | 1684.1 | 1668.7 | 1638.3 |
| 22.5° | 1698.6 | 1698.9 | 1703.2 | 1709.1 | 1703.2 | 1698.9 | 1698.6 | 1700.0 | 1697.5 | 1690.8 | 1657.9 |
| 20° | 1704.7 | 1701.4 | 1705.7 | 1709.5 | 1705.7 | 1701.4 | 1704.7 | 1706.9 | 1706.3 | 1706.4 | 1678.9 |
| 17.5° | 1782.7 | 1738.2 | 1720.0 | 1720.3 | 1720.0 | 1738.2 | 1782.7 | 1738.3 | 1769.8 | 1784.4 | 1777.1 |
| 15° | 2034.4 | 2051.2 | 2115.2 | 2149.7 | 2115.2 | 2051.2 | 2034.4 | 2082.3 | 2039.6 | 2049.6 | 2011.7 |
| 12.5° | 2196.9 | 2190.9 | 2183.3 | 2193.7 | 2183.3 | 2190.9 | 2196.9 | 2198.4 | 2206.8 | 2211.3 | 2199.8 |
| 10° | 2204.4 | 2203.7 | 2190.2 | 2204.9 | 2190.2 | 2203.7 | 2204.4 | 2208.9 | 2219.6 | 2227.2 | 2214.1 |
| 7.5° | 2199.8 | 2200.2 | 2194.4 | 2208.8 | 2194.4 | 2200.2 | 2199.8 | 2211.8 | 2219.1 | 2223.5 | 2210.2 |
| 5° | 2202.8 | 2192.9 | 2196.7 | 2204.9 | 2196.7 | 2192.9 | 2202.8 | 2204.0 | 2211.1 | 2216.4 | 2208.5 |
| 2.5° | 2194.3 | 2193.2 | 2185.9 | 2191.7 | 2185.9 | 2193.2 | 2194.3 | 2198.9 | 2203.1 | 2205.4 | 2205.5 |
| 0° | 2187.8 | 2182.4 | 2182.4 | 2187.3 | 2182.4 | 2182.4 | 2187.8 | 2196.1 | 2203.4 | 2209.8 | 2212.2 |
| -2.5° | 2199.3 | 2198.2 | 2197.5 | 2194.2 | 2197.5 | 2198.2 | 2199.3 | 2203.1 | 2206.7 | 2209.8 | 2211.0 |
| -5° | 2208.8 | 2205.9 | 2197.9 | 2208.8 | 2197.9 | 2205.9 | 2208.8 | 2212.9 | 2219.0 | 2223.4 | 2222.1 |
| -7.5° | 2219.0 | 2211.6 | 2204.1 | 2221.0 | 2204.1 | 2211.6 | 2219.0 | 2222.3 | 2229.6 | 2235.4 | 2234.8 |
| -10° | 2228.4 | 2217.7 | 2210.3 | 2226.9 | 2210.3 | 2217.7 | 2228.4 | 2235.8 | 2242.1 | 2247.6 | 2248.6 |
| -12.5° | 2240.7 | 2228.2 | 2223.2 | 2232.2 | 2223.2 | 2228.2 | 2240.7 | 2249.4 | 2256.1 | 2260.2 | 2258.6 |
| -15° | 2253.8 | 2245.2 | 2244.0 | 2249.3 | 2244.0 | 2245.2 | 2253.8 | 2262.9 | 2268.2 | 2271.6 | 2265.6 |
| -17.5° | 2265.4 | 2259.3 | 2262.3 | 2268.3 | 2262.3 | 2259.3 | 2265.4 | 2272.8 | 2277.2 | 2278.5 | 2270.3 |
| -20° | 2270.9 | 2267.5 | 2270.9 | 2285.9 | 2270.9 | 2267.5 | 2270.9 | 2275.6 | 2278.6 | 2277.9 | 2265.9 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 2270.4 | 2270.6 | 2276.6 | 2281.5 | 2276.6 | 2270.6 | 2270.4 | 2272.9 | 2272.7 | 2269.0 | 2248.9 |
| -25° | 2261.8 | 2266.3 | 2273.2 | 2283.0 | 2273.2 | 2266.3 | 2261.8 | 2261.5 | 2258.5 | 2248.8 | 2228.4 |
| -27.5° | 2240.9 | 2248.4 | 2255.6 | 2265.9 | 2255.6 | 2248.4 | 2240.9 | 2237.9 | 2232.5 | 2219.2 | 2202.6 |
| -30° | 2210.7 | 2219.7 | 2226.0 | 2237.1 | 2226.0 | 2219.7 | 2210.7 | 2205.1 | 2196.8 | 2181.5 | 2156.5 |
| -32.5° | 2173.9 | 2184.1 | 2191.6 | 2199.5 | 2191.6 | 2184.1 | 2173.9 | 2165.5 | 2156.5 | 2138.9 | 2104.5 |
| -35° | 2127.9 | 2138.9 | 2147.0 | 2154.1 | 2147.0 | 2138.9 | 2127.9 | 2116.9 | 2105.7 | 2090.5 | 2051.3 |
| -37.5° | 2072.7 | 2084.6 | 2093.7 | 2101.9 | 2093.7 | 2084.6 | 2072.7 | 2059.4 | 2047.6 | 2032.9 | 1994.9 |
| -40° | 2008.4 | 2020.5 | 2030.3 | 2039.5 | 2030.3 | 2020.5 | 2008.4 | 1993.2 | 1979.9 | 1962.7 | 1929.7 |
| -42.5° | 1933.2 | 1945.4 | 1955.5 | 1964.8 | 1955.5 | 1945.4 | 1933.2 | 1917.1 | 1900.7 | 1880.0 | 1851.4 |
| -45° | 1846.3 | 1858.9 | 1869.6 | 1879.4 | 1869.6 | 1858.9 | 1846.3 | 1829.4 | 1808.5 | 1781.6 | 1747.5 |
| -47.5° | 1746.3 | 1759.8 | 1768.9 | 1773.5 | 1768.9 | 1759.8 | 1746.3 | 1728.3 | 1704.0 | 1672.5 | 1635.2 |
| -50° | 1631.6 | 1645.1 | 1656.1 | 1664.2 | 1656.1 | 1645.1 | 1631.6 | 1613.7 | 1589.1 | 1555.0 | 1515.5 |
| -52.5° | 1505.4 | 1518.3 | 1527.7 | 1533.4 | 1527.7 | 1518.3 | 1505.4 | 1488.0 | 1464.2 | 1427.7 | 1386.1 |
| -55° | 1367.2 | 1380.7 | 1389.6 | 1393.8 | 1389.6 | 1380.7 | 1367.2 | 1349.3 | 1326.4 | 1289.3 | 1248.3 |
| -57.5° | 1210.5 | 1223.2 | 1232.7 | 1238.1 | 1232.7 | 1223.2 | 1210.5 | 1193.0 | 1171.0 | 1136.0 | 1096.6 |
| -60° | 1037.1 | 1048.5 | 1055.7 | 1058.5 | 1055.7 | 1048.5 | 1037.1 | 1021.1 | 1000.6 | 969.9 | 933.6 |
| -62.5° | 859.7 | 870.5 | 877.3 | 879.9 | 877.3 | 870.5 | 859.7 | 845.2 | 827.2 | 802.0 | 771.8 |
| -65° | 684.4 | 691.2 | 694.9 | 695.4 | 694.9 | 691.2 | 684.4 | 674.2 | 660.5 | 641.2 | 617.6 |
| -67.5° | 528.0 | 533.1 | 536.2 | 537.3 | 536.2 | 533.1 | 528.0 | 520.8 | 511.8 | 500.3 | 486.0 |
| -70° | 414.3 | 417.9 | 419.9 | 420.2 | 419.9 | 417.9 | 414.3 | 408.9 | 401.7 | 392.2 | 380.4 |
| -72.5° | 308.8 | 311.4 | 310.5 | 308.4 | 310.5 | 311.4 | 308.8 | 305.2 | 300.5 | 295.1 | 289.6 |
| -75° | 241.0 | 243.8 | 242.6 | 240.6 | 242.6 | 243.8 | 241.0 | 237.6 | 233.7 | 229.2 | 224.2 |
| -77.5° | 192.5 | 195.1 | 193.8 | 191.8 | 193.8 | 195.1 | 192.5 | 189.5 | 186.0 | 182.1 | 177.5 |
| -80° | 137.5 | 139.0 | 140.1 | 140.6 | 140.1 | 139.0 | 137.5 | 135.6 | 133.4 | 131.1 | 129.2 |
| -82.5° | 70.3 | 68.3 | 67.0 | 65.4 | 67.0 | 68.3 | 70.3 | 72.0 | 73.3 | 74.2 | 74.6 |
| -85° | 19.9 | 19.4 | 19.7 | 20.0 | 19.7 | 19.4 | 19.9 | 20.3 | 20.6 | 20.9 | 22.6 |
| -87.5° | 5.7 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.7 | 5.6 | 5.4 | 5.2 | 5.3 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.2 | 0.3 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 |
| 65° | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 |
| 62.5° | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.4 | 1.3 | 1.3 | 1.2 | 1.4 | 1.9 |
| 60° | 2.4 | 1.9 | 2.8 | 3.1 | 2.7 | 4.6 | 7.7 | 6.9 | 2.1 | 11.1 | 12.8 |
| 57.5° | 32.3 | 26.8 | 56.2 | 56.0 | 23.4 | 31.7 | 42.4 | 27.9 | 18.3 | 31.3 | 41.4 |
| 55° | 225.2 | 206.2 | 179.3 | 176.4 | 185.7 | 141.1 | 118.0 | 113.5 | 88.9 | 57.8 | 68.6 |
| 52.5° | 317.5 | 298.6 | 280.2 | 263.1 | 249.1 | 234.1 | 212.0 | 188.1 | 180.5 | 145.4 | 112.1 |
| 50° | 359.2 | 377.6 | 359.5 | 315.3 | 323.2 | 301.8 | 270.7 | 245.4 | 250.6 | 229.1 | 184.7 |
| 47.5° | 487.1 | 509.5 | 510.1 | 483.7 | 454.4 | 445.3 | 399.8 | 320.6 | 325.9 | 325.0 | 278.0 |
| 45° | 713.2 | 682.0 | 693.6 | 656.6 | 604.7 | 576.1 | 574.5 | 489.8 | 411.4 | 398.6 | 394.1 |
| 42.5° | 837.1 | 814.0 | 790.0 | 762.4 | 716.5 | 670.8 | 642.6 | 594.9 | 531.9 | 476.1 | 456.2 |
| 40° | 887.2 | 860.3 | 837.9 | 815.0 | 778.1 | 731.3 | 708.5 | 646.0 | 598.5 | 550.2 | 534.1 |
| 37.5° | 947.8 | 896.6 | 916.6 | 873.3 | 839.0 | 827.6 | 810.0 | 744.9 | 639.8 | 630.9 | 622.8 |
| 35° | 1083.0 | 1035.1 | 1081.2 | 1073.0 | 936.6 | 951.8 | 963.5 | 883.5 | 773.5 | 713.8 | 715.1 |
| 32.5° | 1391.4 | 1281.1 | 1247.4 | 1288.6 | 1216.9 | 1097.8 | 1099.6 | 1075.2 | 925.0 | 838.3 | 800.3 |
| 30° | 1503.1 | 1454.1 | 1401.0 | 1393.8 | 1340.4 | 1271.5 | 1227.7 | 1169.2 | 1059.9 | 960.9 | 895.8 |
| 27.5° | 1551.3 | 1506.8 | 1462.1 | 1427.6 | 1396.7 | 1349.9 | 1292.8 | 1224.1 | 1146.3 | 1057.6 | 994.3 |
| 25° | 1585.7 | 1535.9 | 1497.3 | 1459.2 | 1425.9 | 1390.6 | 1332.2 | 1265.2 | 1192.7 | 1121.1 | 1053.2 |
| 22.5° | 1613.3 | 1566.9 | 1525.4 | 1484.4 | 1457.3 | 1419.3 | 1367.0 | 1297.8 | 1249.1 | 1203.6 | 1115.3 |
| 20° | 1643.5 | 1598.8 | 1552.0 | 1554.0 | 1514.2 | 1450.7 | 1400.4 | 1365.9 | 1359.2 | 1308.0 | 1194.1 |
| 17.5° | 1774.7 | 1651.6 | 1674.5 | 1717.9 | 1630.3 | 1514.9 | 1497.0 | 1498.9 | 1477.8 | 1430.2 | 1288.5 |
| 15° | 2055.7 | 1878.0 | 1879.6 | 1909.4 | 1814.5 | 1672.8 | 1640.1 | 1636.1 | 1602.8 | 1550.2 | 1388.1 |
| 12.5° | 2144.2 | 2084.9 | 2074.0 | 2029.5 | 1936.3 | 1830.4 | 1791.7 | 1770.6 | 1709.6 | 1607.7 | 1459.8 |
| 10° | 2174.1 | 2139.8 | 2094.1 | 2049.3 | 1992.7 | 1950.2 | 1894.9 | 1818.6 | 1731.9 | 1633.7 | 1513.3 |
| 7.5° | 2177.7 | 2142.0 | 2105.2 | 2062.5 | 2012.9 | 1963.0 | 1908.4 | 1832.5 | 1748.7 | 1652.3 | 1550.9 |
| 5° | 2175.6 | 2140.1 | 2106.0 | 2065.1 | 2014.8 | 1966.4 | 1917.0 | 1841.9 | 1760.0 | 1664.5 | 1575.7 |
| 2.5° | 2170.3 | 2134.3 | 2101.8 | 2064.8 | 2014.6 | 1968.0 | 1922.2 | 1852.0 | 1768.1 | 1674.5 | 1584.0 |
| 0° | 2178.1 | 2142.4 | 2111.7 | 2070.2 | 2024.8 | 1970.6 | 1924.8 | 1862.3 | 1772.0 | 1681.2 | 1587.1 |
| -2.5° | 2181.4 | 2144.5 | 2116.4 | 2069.6 | 2032.0 | 1976.7 | 1930.2 | 1869.9 | 1779.4 | 1693.0 | 1594.6 |
| -5° | 2199.0 | 2162.4 | 2125.6 | 2078.7 | 2039.1 | 1987.4 | 1935.1 | 1873.0 | 1784.9 | 1699.4 | 1598.0 |
| -7.5° | 2210.6 | 2173.4 | 2130.6 | 2085.1 | 2045.4 | 1996.1 | 1938.1 | 1873.3 | 1790.0 | 1699.3 | 1599.7 |
| -10° | 2217.8 | 2179.0 | 2136.7 | 2090.1 | 2049.1 | 1998.3 | 1937.1 | 1871.7 | 1789.0 | 1695.3 | 1596.1 |
| -12.5° | 2228.0 | 2184.3 | 2140.8 | 2087.9 | 2046.7 | 1994.6 | 1933.5 | 1867.9 | 1781.3 | 1687.9 | 1586.9 |
| -15° | 2231.8 | 2186.9 | 2136.0 | 2084.2 | 2039.2 | 1988.5 | 1925.4 | 1856.9 | 1767.9 | 1676.5 | 1572.0 |
| -17.5° | 2233.4 | 2182.4 | 2128.1 | 2078.4 | 2029.9 | 1976.1 | 1909.5 | 1836.6 | 1750.8 | 1656.3 | 1552.3 |
| -20° | 2232.1 | 2172.7 | 2116.8 | 2062.7 | 2012.0 | 1957.4 | 1888.7 | 1816.4 | 1726.2 | 1630.1 | 1526.8 |

Classified

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

Scaled Data Report



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-735-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° | 2209.3 | 2155.6 | 2099.0 | 2040.3 | 1990.4 | 1932.5 | 1865.2 | 1790.4 | 1694.3 | 1601.4 | 1494.4 |
| -25° | 2184.3 | 2130.0 | 2071.5 | 2017.0 | 1963.8 | 1906.3 | 1837.1 | 1752.3 | 1661.1 | 1564.4 | 1455.0 |
| -27.5° | 2154.6 | 2097.6 | 2037.2 | 1981.7 | 1925.5 | 1868.9 | 1797.4 | 1712.0 | 1624.1 | 1518.4 | 1412.2 |
| -30° | 2114.7 | 2055.7 | 1994.2 | 1930.7 | 1879.3 | 1821.5 | 1750.8 | 1667.9 | 1573.6 | 1469.2 | 1368.1 |
| -32.5° | 2060.3 | 2004.9 | 1943.4 | 1883.0 | 1829.3 | 1768.7 | 1697.3 | 1615.0 | 1516.0 | 1417.3 | 1312.1 |
| -35° | 2005.1 | 1947.7 | 1889.0 | 1832.2 | 1775.7 | 1712.2 | 1639.3 | 1549.8 | 1455.1 | 1357.3 | 1248.2 |
| -37.5° | 1942.0 | 1882.2 | 1827.1 | 1773.1 | 1714.8 | 1649.7 | 1569.4 | 1482.8 | 1390.5 | 1283.0 | 1179.2 |
| -40° | 1874.3 | 1816.6 | 1756.5 | 1703.1 | 1640.9 | 1575.2 | 1497.6 | 1413.5 | 1312.0 | 1205.7 | 1108.1 |
| -42.5° | 1793.8 | 1736.3 | 1674.3 | 1614.8 | 1554.5 | 1492.0 | 1421.9 | 1330.9 | 1230.3 | 1130.0 | 1028.6 |
| -45° | 1696.7 | 1639.1 | 1578.2 | 1516.9 | 1460.4 | 1399.7 | 1334.5 | 1237.5 | 1138.1 | 1042.5 | 945.2 |
| -47.5° | 1587.4 | 1531.6 | 1472.8 | 1412.1 | 1358.3 | 1297.4 | 1217.9 | 1127.6 | 1039.7 | 948.8 | 849.2 |
| -50° | 1468.7 | 1415.6 | 1361.3 | 1304.9 | 1244.5 | 1175.8 | 1099.5 | 1020.8 | 933.7 | 840.3 | 749.4 |
| -52.5° | 1339.0 | 1290.4 | 1239.1 | 1184.9 | 1122.6 | 1054.4 | 983.0 | 899.3 | 812.4 | 733.2 | 650.5 |
| -55° | 1203.6 | 1155.6 | 1104.9 | 1050.8 | 992.7 | 925.2 | 851.2 | 775.1 | 704.2 | 630.9 | 567.8 |
| -57.5° | 1053.9 | 1008.4 | 960.1 | 908.9 | 855.3 | 792.5 | 727.6 | 663.1 | 606.9 | 549.9 | 492.7 |
| -60° | 893.8 | 851.3 | 810.2 | 764.9 | 715.3 | 661.4 | 614.0 | 566.4 | 518.7 | 473.2 | 427.1 |
| -62.5° | 738.8 | 703.2 | 666.3 | 629.5 | 591.8 | 552.8 | 513.6 | 476.8 | 439.2 | 400.7 | 366.7 |
| -65° | 592.2 | 565.2 | 536.1 | 510.6 | 483.9 | 455.6 | 424.1 | 395.3 | 367.9 | 339.7 | 310.9 |
| -67.5° | 469.2 | 449.9 | 429.3 | 409.2 | 390.9 | 371.4 | 349.2 | 325.9 | 304.3 | 283.4 | 262.1 |
| -70° | 368.0 | 355.3 | 341.9 | 327.2 | 312.6 | 297.9 | 281.6 | 264.5 | 247.1 | 231.4 | 216.5 |
| -72.5° | 282.5 | 273.6 | 263.5 | 252.9 | 241.7 | 231.7 | 220.6 | 209.0 | 197.2 | 185.3 | 174.0 |
| -75° | 218.6 | 212.2 | 205.2 | 197.3 | 187.8 | 176.5 | 168.2 | 162.5 | 155.4 | 146.7 | 137.3 |
| -77.5° | 172.9 | 168.2 | 163.2 | 156.5 | 149.5 | 142.4 | 135.3 | 128.3 | 121.3 | 114.8 | 108.8 |
| -80° | 127.2 | 125.0 | 122.2 | 116.7 | 111.1 | 105.5 | 100.2 | 95.9 | 91.9 | 87.5 | 82.0 |
| -82.5° | 74.7 | 74.4 | 73.6 | 70.5 | 67.4 | 64.3 | 61.3 | 58.3 | 55.1 | 51.8 | 48.4 |
| -85° | 24.1 | 25.4 | 26.5 | 27.0 | 27.4 | 27.5 | 27.3 | 26.5 | 25.6 | 24.5 | 23.4 |
| -87.5° | 5.3 | 5.3 | 5.3 | 5.5 | 5.7 | 5.9 | 6.0 | 6.3 | 6.6 | 6.8 | 6.9 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 |
| 82.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 0.8 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 0.9 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 0.9 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.7 | 0.8 | 0.9 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.8 | 0.9 |
| 70° | 0.6 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 |
| 67.5° | 0.7 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 | 1.0 | 1.1 | 1.1 | 0.8 | 0.9 |
| 65° | 0.8 | 0.9 | 1.0 | 1.4 | 1.2 | 0.9 | 1.0 | 1.9 | 1.5 | 1.3 | 1.0 |
| 62.5° | 1.6 | 0.9 | 3.1 | 4.1 | 2.3 | 1.8 | 1.5 | 4.3 | 2.7 | 1.8 | 1.3 |
| 60° | 3.9 | 3.2 | 8.6 | 13.8 | 9.6 | 3.3 | 4.8 | 7.4 | 6.8 | 2.3 | 1.8 |
| 57.5° | 35.8 | 12.3 | 17.9 | 25.8 | 25.4 | 13.8 | 10.0 | 13.4 | 11.5 | 6.6 | 2.6 |
| 55° | 76.4 | 64.3 | 42.5 | 38.9 | 42.0 | 33.9 | 22.1 | 21.7 | 17.8 | 12.3 | 4.2 |
| 52.5° | 104.8 | 109.4 | 95.2 | 66.5 | 57.9 | 55.2 | 43.1 | 31.4 | 27.9 | 18.5 | 10.7 |
| 50° | 151.7 | 141.3 | 139.9 | 117.4 | 81.2 | 73.5 | 63.6 | 49.0 | 39.1 | 26.4 | 18.1 |
| 47.5° | 214.4 | 188.3 | 174.5 | 164.4 | 129.6 | 93.7 | 83.5 | 67.1 | 51.5 | 38.1 | 25.8 |
| 45° | 306.3 | 243.4 | 216.7 | 200.3 | 177.6 | 131.8 | 104.4 | 84.6 | 67.1 | 51.1 | 33.9 |
| 42.5° | 398.7 | 314.7 | 264.8 | 238.4 | 214.7 | 174.8 | 126.9 | 104.8 | 82.3 | 64.3 | 44.1 |
| 40° | 480.2 | 388.2 | 315.4 | 281.4 | 251.3 | 216.3 | 163.2 | 126.4 | 97.3 | 78.0 | 55.8 |
| 37.5° | 578.4 | 471.9 | 373.7 | 326.6 | 290.2 | 251.0 | 200.1 | 149.0 | 115.2 | 92.3 | 67.5 |
| 35° | 673.3 | 580.3 | 438.8 | 381.1 | 333.4 | 286.6 | 235.6 | 175.6 | 137.3 | 106.9 | 79.1 |
| 32.5° | 775.2 | 682.2 | 537.3 | 442.0 | 378.3 | 323.0 | 268.8 | 208.1 | 159.4 | 121.6 | 90.8 |
| 30° | 855.5 | 749.2 | 623.7 | 502.9 | 427.0 | 363.5 | 302.0 | 239.2 | 181.6 | 136.5 | 102.5 |
| 27.5° | 898.0 | 807.3 | 691.9 | 570.8 | 481.9 | 405.2 | 336.1 | 269.0 | 203.8 | 152.9 | 114.8 |
| 25° | 942.0 | 848.2 | 740.6 | 630.2 | 536.1 | 449.2 | 370.2 | 297.4 | 228.1 | 171.3 | 126.9 |
| 22.5° | 994.7 | 882.9 | 781.7 | 677.3 | 592.0 | 493.9 | 405.8 | 326.1 | 252.3 | 189.4 | 138.8 |
| 20° | 1047.5 | 915.2 | 822.3 | 741.3 | 646.8 | 542.2 | 443.1 | 354.1 | 275.1 | 207.0 | 150.5 |
| 17.5° | 1103.0 | 973.9 | 891.1 | 803.8 | 701.5 | 589.0 | 479.9 | 381.3 | 296.6 | 224.0 | 161.8 |
| 15° | 1199.6 | 1061.6 | 960.4 | 864.6 | 755.9 | 634.0 | 515.7 | 407.3 | 316.6 | 240.4 | 172.4 |
| 12.5° | 1287.2 | 1143.3 | 1029.8 | 923.4 | 809.4 | 676.9 | 550.3 | 432.1 | 335.1 | 253.4 | 181.8 |
| 10° | 1359.8 | 1219.1 | 1098.4 | 979.8 | 861.3 | 717.5 | 583.3 | 452.4 | 346.2 | 263.2 | 190.4 |
| 7.5° | 1419.2 | 1289.1 | 1165.3 | 1033.5 | 905.9 | 744.0 | 599.9 | 464.1 | 354.8 | 271.5 | 198.3 |
| 5° | 1462.1 | 1335.8 | 1200.8 | 1052.2 | 919.9 | 754.8 | 611.2 | 473.7 | 361.8 | 278.4 | 205.4 |
| 2.5° | 1474.4 | 1350.1 | 1214.2 | 1062.5 | 929.3 | 761.9 | 619.3 | 481.1 | 367.1 | 284.0 | 211.7 |
| 0° | 1481.6 | 1359.6 | 1222.5 | 1068.8 | 934.1 | 765.2 | 624.2 | 486.1 | 370.9 | 288.4 | 217.2 |
| -2.5° | 1491.7 | 1367.8 | 1230.6 | 1085.0 | 937.3 | 775.5 | 627.0 | 489.4 | 375.7 | 290.0 | 220.4 |
| -5° | 1496.7 | 1370.9 | 1234.4 | 1095.9 | 936.5 | 781.6 | 626.6 | 490.4 | 378.8 | 290.5 | 222.7 |
| -7.5° | 1494.5 | 1369.9 | 1234.6 | 1099.3 | 932.2 | 783.0 | 623.2 | 489.3 | 380.0 | 290.1 | 224.2 |
| -10° | 1487.8 | 1364.3 | 1229.8 | 1090.5 | 928.3 | 777.5 | 617.1 | 486.2 | 379.3 | 288.9 | 224.7 |
| -12.5° | 1477.5 | 1353.9 | 1220.2 | 1077.8 | 920.2 | 766.0 | 610.0 | 480.8 | 376.2 | 286.9 | 224.4 |
| -15° | 1464.2 | 1338.8 | 1205.6 | 1061.6 | 906.8 | 750.9 | 599.2 | 473.1 | 370.3 | 284.6 | 223.0 |
| -17.5° | 1447.1 | 1319.1 | 1185.8 | 1042.5 | 888.0 | 732.1 | 584.8 | 463.0 | 362.8 | 281.8 | 220.4 |
| -20° | 1416.7 | 1292.7 | 1160.8 | 1020.7 | 863.6 | 709.8 | 566.6 | 450.6 | 353.9 | 277.9 | 216.5 |



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-735-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° | 1382.5 | 1259.9 | 1129.5 | 991.3 | 834.1 | 684.2 | 544.6 | 435.8 | 343.7 | 272.8 | 211.9 |
| -25° | 1346.0 | 1223.1 | 1093.2 | 950.7 | 801.6 | 657.1 | 522.6 | 418.7 | 332.2 | 266.4 | 206.6 |
| -27.5° | 1303.1 | 1181.3 | 1052.1 | 906.0 | 763.9 | 625.7 | 501.5 | 403.6 | 321.0 | 258.9 | 200.5 |
| -30° | 1255.0 | 1132.3 | 1000.7 | 858.2 | 722.5 | 589.3 | 477.9 | 387.5 | 311.6 | 250.6 | 193.7 |
| -32.5° | 1199.7 | 1078.2 | 943.7 | 809.4 | 678.8 | 550.8 | 451.8 | 370.2 | 300.6 | 241.9 | 187.4 |
| -35° | 1136.9 | 1015.2 | 883.3 | 756.9 | 632.4 | 519.6 | 426.2 | 351.9 | 288.3 | 232.4 | 180.8 |
| -37.5° | 1071.4 | 947.7 | 822.9 | 702.1 | 583.2 | 485.9 | 403.3 | 333.8 | 274.4 | 222.3 | 173.5 |
| -40° | 996.6 | 878.2 | 759.5 | 645.7 | 540.6 | 449.7 | 378.4 | 315.9 | 261.4 | 211.5 | 165.6 |
| -42.5° | 919.6 | 805.3 | 693.4 | 585.9 | 498.5 | 420.3 | 352.4 | 296.6 | 247.6 | 201.1 | 156.9 |
| -45° | 836.5 | 728.3 | 623.0 | 535.5 | 455.7 | 389.0 | 329.6 | 276.6 | 232.9 | 190.4 | 147.9 |
| -47.5° | 749.0 | 647.1 | 559.1 | 483.1 | 419.3 | 357.7 | 305.4 | 259.4 | 217.5 | 178.9 | 139.0 |
| -50° | 656.1 | 571.6 | 500.3 | 437.5 | 380.1 | 329.5 | 281.3 | 241.3 | 203.3 | 166.3 | 129.6 |
| -52.5° | 573.9 | 506.2 | 447.1 | 393.4 | 345.5 | 299.8 | 260.5 | 222.8 | 188.8 | 154.2 | 119.7 |
| -55° | 503.5 | 447.9 | 398.1 | 353.4 | 311.2 | 274.3 | 238.9 | 206.3 | 173.8 | 142.0 | 109.8 |
| -57.5° | 442.6 | 394.0 | 354.2 | 315.4 | 280.6 | 249.1 | 219.2 | 189.5 | 159.4 | 129.5 | 101.9 |
| -60° | 384.1 | 347.9 | 312.5 | 281.3 | 251.8 | 225.0 | 200.6 | 172.7 | 144.9 | 116.9 | 93.1 |
| -62.5° | 333.7 | 302.8 | 275.9 | 248.7 | 224.2 | 202.4 | 181.8 | 156.2 | 130.0 | 105.3 | 83.6 |
| -65° | 286.4 | 262.6 | 239.8 | 218.0 | 197.7 | 179.2 | 162.6 | 139.4 | 115.0 | 93.0 | 73.8 |
| -67.5° | 241.4 | 223.5 | 205.6 | 187.3 | 171.3 | 156.4 | 142.2 | 121.2 | 99.4 | 80.0 | 64.0 |
| -70° | 201.2 | 185.9 | 171.9 | 158.4 | 145.4 | 133.0 | 119.6 | 101.8 | 83.1 | 68.4 | 54.0 |
| -72.5° | 163.3 | 152.1 | 140.5 | 129.4 | 119.8 | 108.9 | 96.5 | 82.7 | 69.5 | 56.6 | 43.8 |
| -75° | 128.2 | 120.9 | 112.7 | 103.8 | 94.9 | 85.1 | 77.0 | 67.3 | 55.8 | 44.5 | 35.3 |
| -77.5° | 102.6 | 95.4 | 87.2 | 80.2 | 74.2 | 67.5 | 60.1 | 51.7 | 42.6 | 34.6 | 27.3 |
| -80° | 75.7 | 70.2 | 65.5 | 61.5 | 55.9 | 49.8 | 43.7 | 37.6 | 31.0 | 24.8 | 19.1 |
| -82.5° | 46.2 | 45.0 | 43.7 | 41.8 | 37.2 | 32.6 | 28.2 | 23.8 | 19.1 | 14.8 | 12.3 |
| -85° | 23.1 | 22.6 | 21.9 | 20.9 | 18.1 | 15.3 | 14.0 | 12.7 | 11.2 | 9.7 | 8.2 |
| -87.5° | 7.6 | 8.2 | 8.6 | 8.9 | 8.3 | 7.7 | 7.0 | 6.4 | 5.6 | 4.8 | 4.1 |
| -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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-735-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° | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 |
| 85° | 0.5 | 0.4 | 0.3 | 0.3 | 0.2 | 0.1 | 0.0 |
| 82.5° | 0.8 | 0.6 | 0.5 | 0.4 | 0.3 | 0.2 | 0.0 |
| 80° | 1.0 | 0.9 | 0.7 | 0.5 | 0.3 | 0.2 | 0.0 |
| 77.5° | 1.0 | 1.0 | 0.9 | 0.6 | 0.4 | 0.3 | 0.0 |
| 75° | 1.0 | 1.0 | 1.0 | 0.8 | 0.5 | 0.3 | 0.0 |
| 72.5° | 1.0 | 1.1 | 1.1 | 0.9 | 0.6 | 0.4 | 0.0 |
| 70° | 1.1 | 1.1 | 1.1 | 1.0 | 0.7 | 0.4 | 0.0 |
| 67.5° | 1.2 | 1.2 | 1.2 | 1.1 | 0.8 | 0.5 | 0.0 |
| 65° | 1.3 | 1.3 | 1.2 | 1.1 | 0.9 | 0.5 | 0.0 |
| 62.5° | 1.6 | 1.6 | 1.3 | 1.2 | 1.0 | 0.6 | 0.0 |
| 60° | 1.8 | 2.0 | 1.3 | 1.2 | 1.1 | 0.6 | 0.0 |
| 57.5° | 3.4 | 2.4 | 1.7 | 1.3 | 1.1 | 0.7 | 0.0 |
| 55° | 5.3 | 2.8 | 2.1 | 1.3 | 1.2 | 0.7 | 0.0 |
| 52.5° | 7.6 | 3.6 | 2.5 | 1.4 | 1.2 | 0.8 | 0.0 |
| 50° | 10.3 | 6.1 | 3.0 | 1.4 | 1.3 | 0.8 | 0.0 |
| 47.5° | 13.8 | 8.8 | 3.4 | 1.6 | 1.3 | 0.9 | 0.0 |
| 45° | 20.9 | 11.7 | 3.9 | 1.9 | 1.4 | 0.9 | 0.0 |
| 42.5° | 28.1 | 14.7 | 4.4 | 2.3 | 1.5 | 1.0 | 0.0 |
| 40° | 35.5 | 18.0 | 5.9 | 2.8 | 1.5 | 1.0 | 0.0 |
| 37.5° | 43.0 | 21.4 | 8.5 | 3.4 | 1.6 | 1.1 | 0.0 |
| 35° | 50.6 | 26.6 | 11.1 | 4.0 | 1.6 | 1.1 | 0.0 |
| 32.5° | 58.9 | 32.6 | 13.7 | 4.7 | 1.7 | 1.2 | 0.0 |
| 30° | 68.3 | 38.6 | 16.3 | 5.5 | 1.8 | 1.2 | 0.0 |
| 27.5° | 77.6 | 44.5 | 19.6 | 6.3 | 1.8 | 1.2 | 0.0 |
| 25° | 86.6 | 50.3 | 22.9 | 7.2 | 1.9 | 1.3 | 0.0 |
| 22.5° | 95.4 | 56.2 | 26.2 | 8.1 | 1.9 | 1.3 | 0.0 |
| 20° | 103.9 | 62.5 | 29.5 | 9.0 | 2.0 | 1.3 | 0.0 |
| 17.5° | 112.3 | 68.7 | 32.8 | 10.0 | 2.1 | 1.4 | 0.0 |
| 15° | 120.4 | 74.6 | 35.9 | 10.9 | 2.1 | 1.4 | 0.0 |
| 12.5° | 127.9 | 80.2 | 39.0 | 11.9 | 2.2 | 1.4 | 0.0 |
| 10° | 134.9 | 85.5 | 41.9 | 12.8 | 2.2 | 1.4 | 0.0 |
| 7.5° | 141.4 | 90.5 | 44.7 | 13.7 | 2.3 | 1.5 | 0.0 |
| 5° | 147.2 | 95.1 | 47.2 | 14.6 | 2.3 | 1.5 | 0.0 |
| 2.5° | 152.5 | 99.3 | 49.6 | 15.4 | 2.4 | 1.5 | 0.0 |
| 0° | 157.1 | 103.0 | 51.7 | 16.1 | 2.4 | 1.5 | 0.0 |
| -2.5° | 159.4 | 105.3 | 53.7 | 17.2 | 2.8 | 1.6 | 0.0 |
| -5° | 161.1 | 107.2 | 55.3 | 18.1 | 3.2 | 1.7 | 0.0 |
| -7.5° | 162.2 | 108.5 | 56.7 | 19.0 | 3.5 | 1.7 | 0.0 |
| -10° | 162.7 | 109.4 | 57.7 | 19.7 | 3.9 | 1.8 | 0.0 |
| -12.5° | 162.6 | 109.7 | 58.4 | 20.4 | 4.2 | 1.9 | 0.0 |
| -15° | 162.0 | 109.6 | 58.8 | 20.9 | 4.5 | 1.9 | 0.0 |
| -17.5° | 160.8 | 108.9 | 58.7 | 21.2 | 4.8 | 2.0 | 0.0 |
| -20° | 159.0 | 107.7 | 58.3 | 21.4 | 5.1 | 2.0 | 0.0 |

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

Scaled Data Report



REPORT NUMBER: P645349 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|------|-------|-----|-------|-----|
| -22.5° | 156.3 | 106.1 | 57.5 | 21.5 | 5.4 | 2.1 | 0.0 |
| -25° | 153.0 | 103.5 | 56.3 | 21.4 | 5.6 | 2.1 | 0.0 |
| -27.5° | 149.1 | 100.3 | 54.6 | 21.1 | 5.8 | 2.1 | 0.0 |
| -30° | 144.6 | 96.7 | 52.6 | 20.7 | 5.9 | 2.1 | 0.0 |
| -32.5° | 139.5 | 92.7 | 50.2 | 20.1 | 6.0 | 2.1 | 0.0 |
| -35° | 134.0 | 88.2 | 47.5 | 19.3 | 6.1 | 2.1 | 0.0 |
| -37.5° | 128.1 | 83.7 | 44.6 | 18.3 | 6.2 | 2.1 | 0.0 |
| -40° | 121.7 | 79.6 | 41.4 | 17.2 | 6.2 | 2.1 | 0.0 |
| -42.5° | 114.8 | 75.3 | 39.0 | 16.0 | 6.1 | 2.1 | 0.0 |
| -45° | 107.6 | 70.7 | 37.3 | 14.7 | 6.1 | 2.0 | 0.0 |
| -47.5° | 99.9 | 65.8 | 35.4 | 13.3 | 6.0 | 2.0 | 0.0 |
| -50° | 93.5 | 60.6 | 33.1 | 12.8 | 5.8 | 1.9 | 0.0 |
| -52.5° | 87.1 | 55.2 | 30.6 | 12.5 | 5.6 | 1.9 | 0.0 |
| -55° | 80.4 | 51.1 | 27.8 | 12.2 | 5.4 | 1.8 | 0.0 |
| -57.5° | 73.5 | 46.9 | 24.7 | 11.6 | 5.2 | 1.7 | 0.0 |
| -60° | 66.4 | 42.4 | 21.5 | 11.0 | 4.9 | 1.6 | 0.0 |
| -62.5° | 60.0 | 37.5 | 20.0 | 10.2 | 4.6 | 1.5 | 0.0 |
| -65° | 53.1 | 32.3 | 18.3 | 9.3 | 4.3 | 1.4 | 0.0 |
| -67.5° | 45.8 | 27.9 | 16.3 | 8.3 | 3.9 | 1.3 | 0.0 |
| -70° | 38.1 | 24.4 | 14.2 | 7.2 | 3.5 | 1.1 | 0.0 |
| -72.5° | 32.3 | 20.7 | 11.9 | 6.4 | 3.1 | 1.0 | 0.0 |
| -75° | 26.4 | 16.7 | 9.5 | 5.5 | 2.7 | 0.9 | 0.0 |
| -77.5° | 20.2 | 12.5 | 7.9 | 4.7 | 2.3 | 0.7 | 0.0 |
| -80° | 13.8 | 9.6 | 6.3 | 3.8 | 1.9 | 0.6 | 0.0 |
| -82.5° | 10.1 | 7.2 | 4.8 | 2.9 | 1.4 | 0.4 | 0.0 |
| -85° | 6.8 | 4.8 | 3.2 | 1.9 | 0.9 | 0.3 | 0.0 |
| -87.5° | 3.4 | 2.4 | 1.6 | 1.0 | 0.5 | 0.2 | 0.0 |
| -90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)