

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: HALO

Report Number: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLXL150FSUNVDBZSF-100W-5000K

Issue Date: 4/3/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( )  
Test Lab: INNOVATION CENTER  
Issue Date: 4/3/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: GFLXL150FSUNVDBZSF-100W-5000K  
Description: SLIM LED FLOODLIGHT  
Light Source:  
Ballast/Driver: -

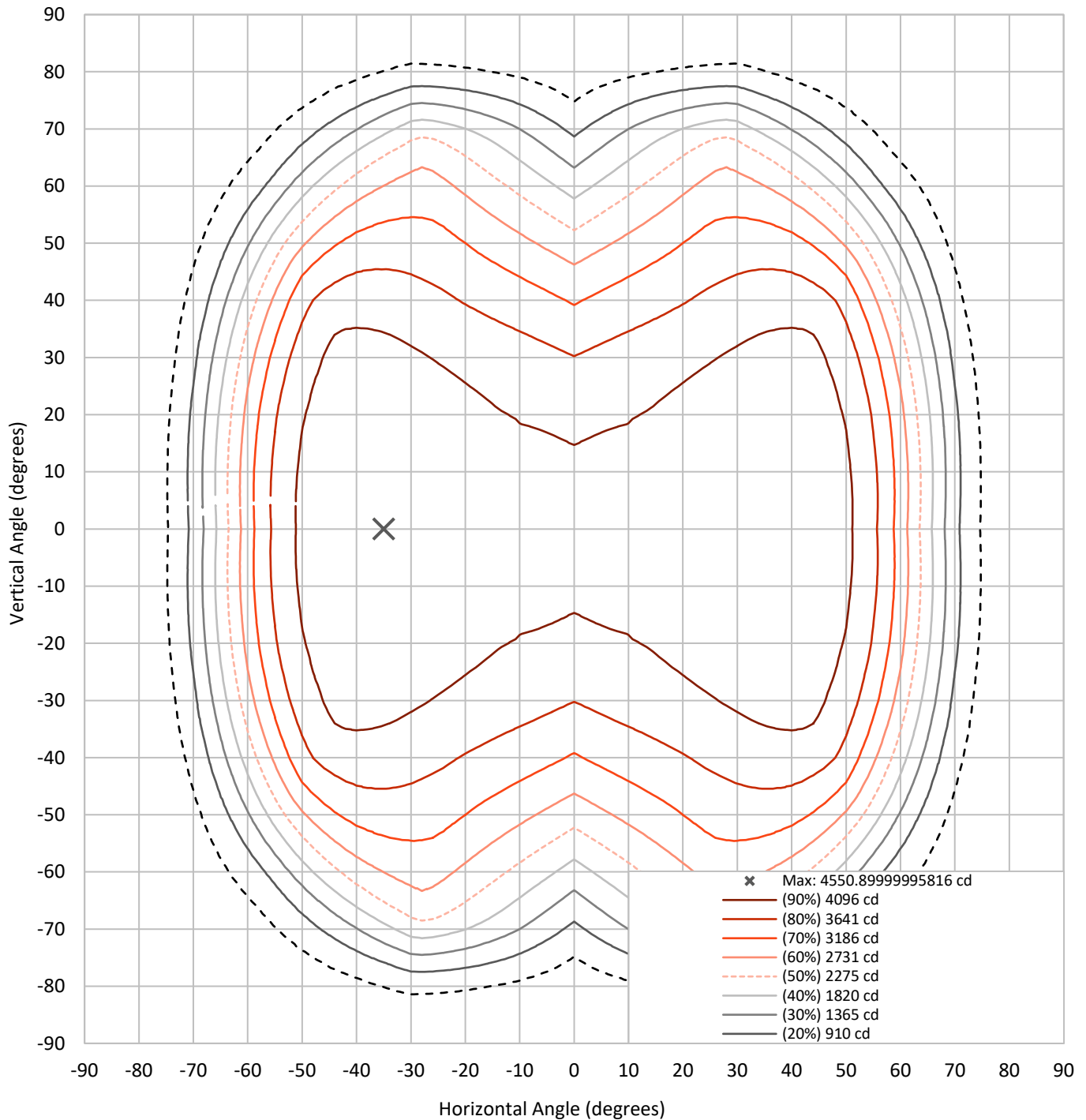
**Summary**

|                                   |   |                      |                   |
|-----------------------------------|---|----------------------|-------------------|
| Lumens per Lamp:                  | N/A   | NEMA Type:           | 7H x 7V           |
| Luminaire Lumens:                 | 15654.2 lumens  | Max Intensity:       | 4550.9 candela    |
| Efficiency:                       | N/A   | Max Intensity Angle: | -35°H x 0°V       |
| Efficacy:                         | 153.8 lumens/watt                                     |                      |                   |
| Luminous Opening:                 | Rectangular w/ Sides (W: 0.48' x L: 0.66' x H: 0.26') |                      |                   |
| Beam Angle (50%):                 | 127°H x 130.8°V                                       | Field Angle (10%):   | 149.3°H x 160.3°V |
| Beam Lumens:                      | 13587.4 lumens  | Field Lumens:        | 15463.6 lumens    |
| Beam Efficiency:                  | 86.8%   | Field Efficiency:    | 98.8%             |
| Input Watts (W):                  | 101.8   |                      |                   |
| Input Voltage (V):                | 120   |                      |                   |
| Input Current (Ain):              | NR  |                      |                   |
| Voltage Rise (V):                 | NR  |                      |                   |
| Power Factor:                     | NR  |                      |                   |
| Total Harmonic Distortion (THDi): | NR  |                      |                   |
| Frequency (hertz):                | 60  |                      |                   |
| Stabilization Time:               | NR  |                      |                   |
| Operation Time:                   | NR  |                      |                   |
| Ambient Temperature (°C):         | NR  |                      |                   |
| Test Distance:                    | 25 FT   |                      |                   |



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CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

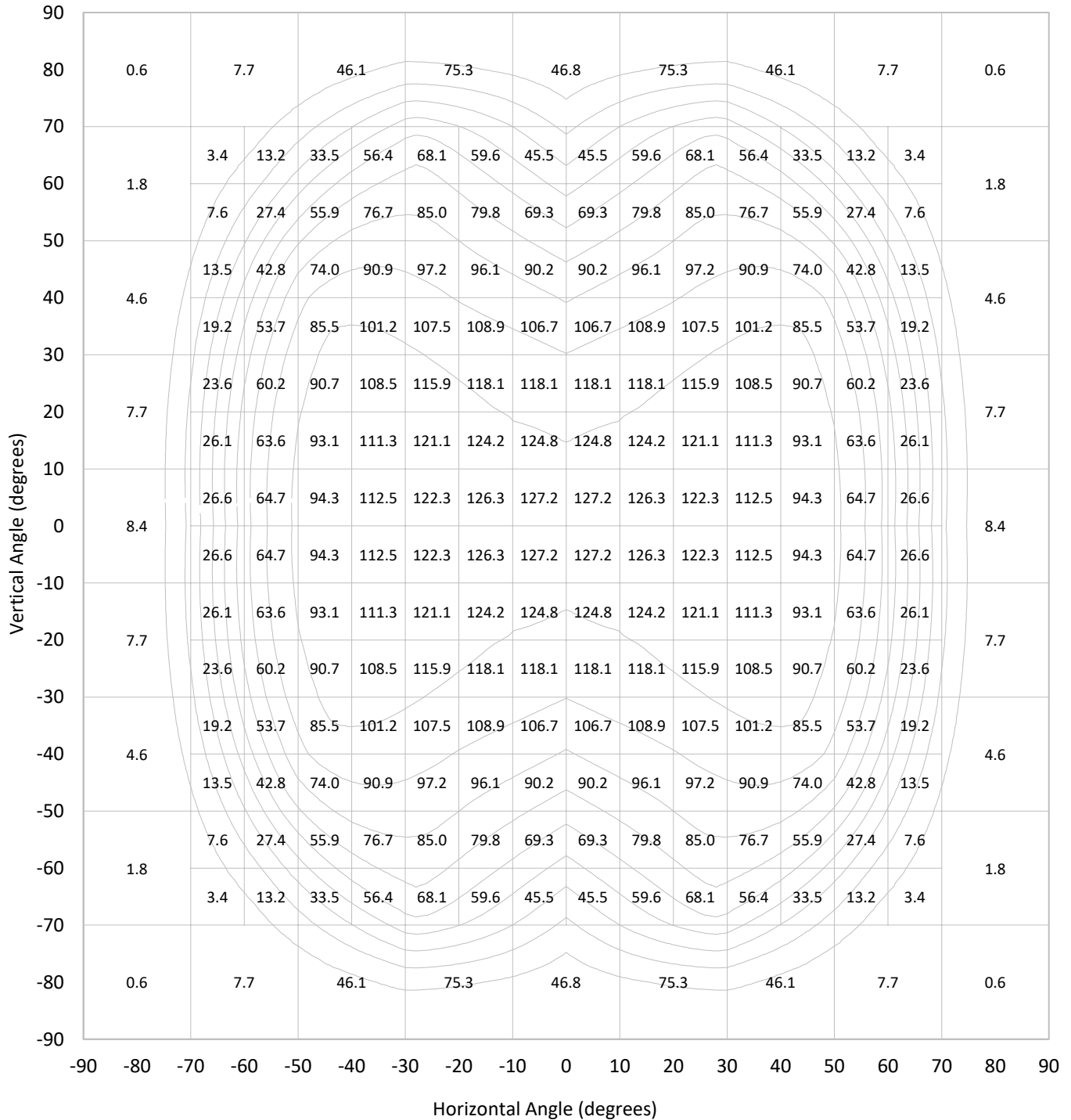
### Iso-Candela Plot





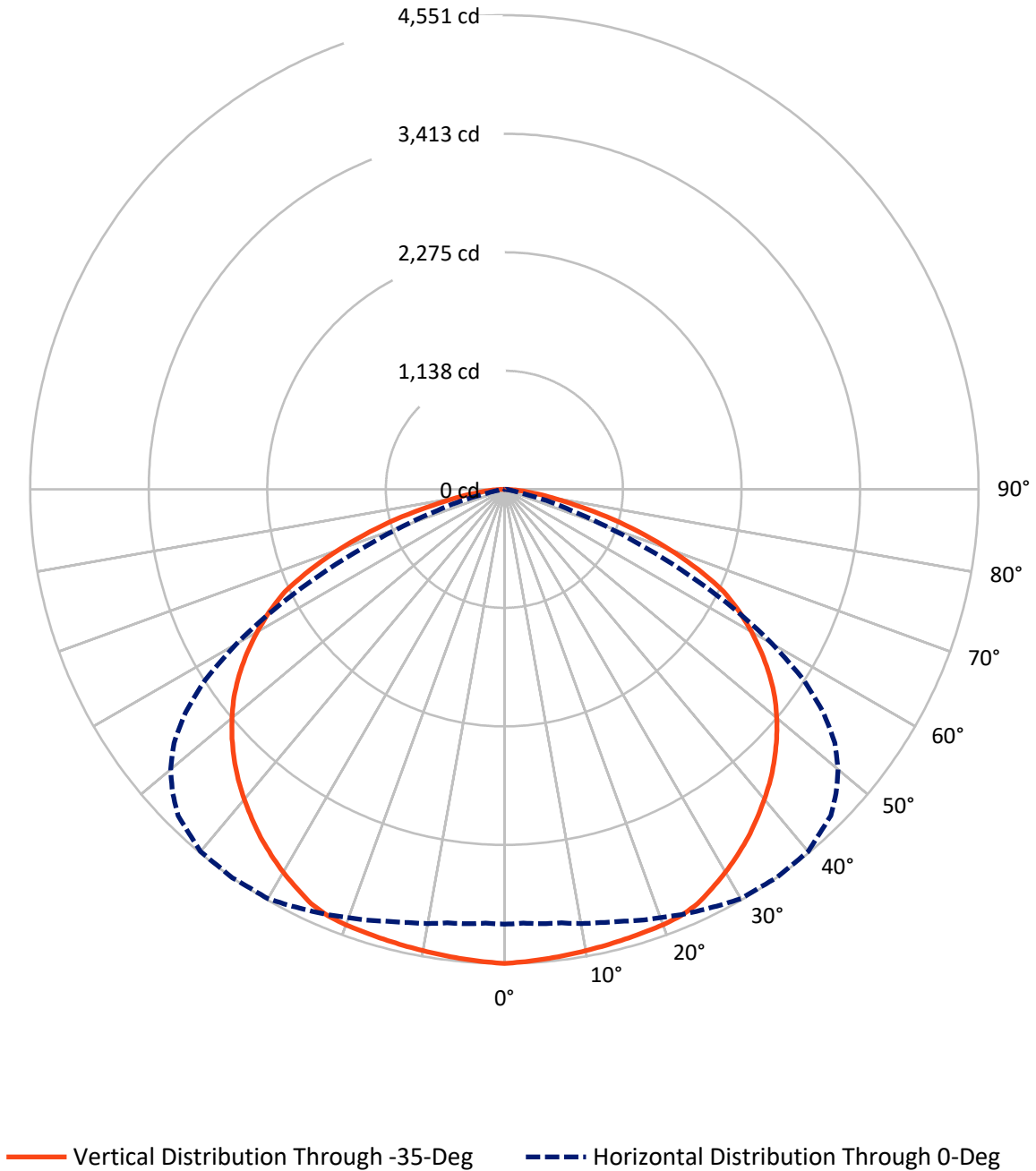
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 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

### Lumen Table



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

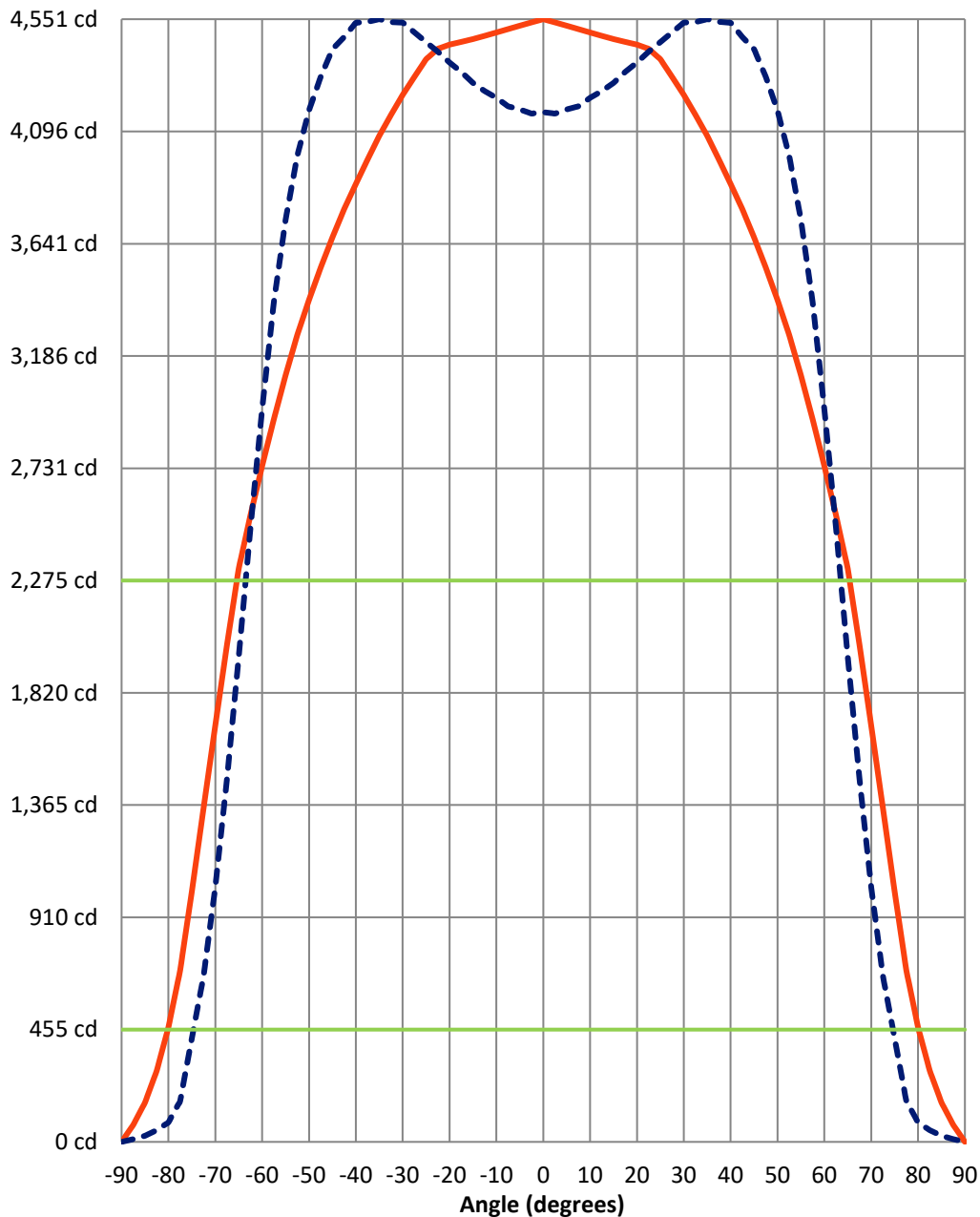
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 127°  
 V Angle: 130.8°  
 Lumens: 13587.4  
 Efficiency: 86.8%

**Field:**  
 H Angle: 149.3°  
 V Angle: 160.3°  
 Lumens: 15463.6  
 Efficiency: 98.8%

**Spill:**  
 Lumens: 190.6  
 Efficiency: 1.2%

— Vertical Distribution through -35-Deg  
 - - - Horizontal Distribution through 0-Deg

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Scaled Data Report



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

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  | 0.6    | 1.6  | 2.9    | 4.5  | 6.5    | 8.7   | 11.2   | 14.1   | 17.2   | 20.6   |
| 85°    | 0.0  | 1.3    | 3.2  | 5.8    | 9.0  | 12.9   | 17.4  | 22.4   | 28.1   | 34.3   | 41.0   |
| 82.5°  | 0.0  | 1.9    | 4.8  | 8.7    | 13.5 | 19.3   | 26.0  | 33.5   | 41.7   | 49.3   | 57.3   |
| 80°    | 0.0  | 2.6    | 6.4  | 11.5   | 17.9 | 25.5   | 34.1  | 42.4   | 51.4   | 60.9   | 71.0   |
| 77.5°  | 0.0  | 3.2    | 8.0  | 14.3   | 22.2 | 31.2   | 40.4  | 50.3   | 61.0   | 72.3   | 84.7   |
| 75°    | 0.0  | 3.8    | 9.5  | 17.0   | 26.3 | 35.9   | 46.5  | 57.9   | 70.4   | 84.4   | 99.0   |
| 72.5°  | 0.0  | 4.4    | 11.0 | 19.7   | 29.6 | 40.5   | 52.4  | 65.7   | 80.8   | 96.6   | 112.9  |
| 70°    | 0.0  | 5.0    | 12.4 | 22.2   | 32.9 | 44.9   | 58.3  | 74.2   | 90.9   | 108.8  | 146.2  |
| 67.5°  | 0.0  | 5.6    | 13.8 | 24.3   | 36.1 | 49.2   | 65.1  | 82.5   | 101.1  | 140.0  | 183.0  |
| 65°    | 0.0  | 6.1    | 15.1 | 26.4   | 39.1 | 53.8   | 71.7  | 90.4   | 126.0  | 169.8  | 229.3  |
| 62.5°  | 0.0  | 6.6    | 16.4 | 28.4   | 41.9 | 58.9   | 77.9  | 106.3  | 149.7  | 204.6  | 299.4  |
| 60°    | 0.0  | 7.2    | 17.6 | 30.3   | 44.6 | 63.7   | 83.9  | 124.8  | 172.1  | 262.2  | 366.1  |
| 57.5°  | 0.0  | 7.6    | 18.7 | 32.1   | 48.1 | 68.3   | 96.9  | 142.1  | 213.3  | 316.7  | 451.8  |
| 55°    | 0.0  | 8.1    | 19.7 | 33.7   | 51.5 | 72.7   | 110.0 | 158.3  | 257.1  | 375.2  | 545.0  |
| 52.5°  | 0.0  | 8.5    | 20.7 | 35.3   | 54.7 | 77.6   | 122.1 | 190.7  | 298.2  | 455.5  | 634.7  |
| 50°    | 0.0  | 9.0    | 21.6 | 36.7   | 57.6 | 86.5   | 133.3 | 223.0  | 345.2  | 532.6  | 751.0  |
| 47.5°  | 0.0  | 9.3    | 22.5 | 38.2   | 60.4 | 94.7   | 145.5 | 253.0  | 410.3  | 606.2  | 863.8  |
| 45°    | 0.0  | 9.7    | 23.2 | 40.1   | 62.9 | 102.1  | 168.7 | 280.4  | 472.2  | 699.2  | 969.0  |
| 42.5°  | 0.0  | 10.0   | 23.9 | 41.8   | 65.3 | 108.8  | 189.9 | 320.5  | 530.8  | 786.0  | 1090.2 |
| 40°    | 0.0  | 10.3   | 24.6 | 43.4   | 68.7 | 114.7  | 209.1 | 368.6  | 590.9  | 866.0  | 1206.4 |
| 37.5°  | 0.0  | 10.6   | 25.1 | 44.8   | 73.0 | 119.8  | 226.2 | 413.6  | 656.1  | 945.3  | 1313.4 |
| 35°    | 0.0  | 10.8   | 25.6 | 46.1   | 76.8 | 129.8  | 241.3 | 455.4  | 715.3  | 1033.6 | 1416.9 |
| 32.5°  | 0.0  | 11.0   | 26.0 | 47.3   | 80.0 | 141.5  | 260.3 | 494.0  | 768.4  | 1113.5 | 1520.0 |
| 30°    | 0.0  | 11.2   | 26.4 | 48.2   | 82.7 | 151.6  | 290.5 | 530.9  | 815.4  | 1185.0 | 1612.8 |
| 27.5°  | 0.0  | 11.4   | 26.6 | 49.0   | 84.9 | 160.3  | 317.9 | 568.7  | 862.6  | 1247.9 | 1695.3 |
| 25°    | 0.0  | 11.5   | 26.8 | 49.7   | 86.6 | 167.4  | 342.4 | 601.5  | 913.0  | 1310.1 | 1767.4 |
| 22.5°  | 0.0  | 11.6   | 26.9 | 50.1   | 87.7 | 173.1  | 363.8 | 629.4  | 956.3  | 1367.1 | 1833.4 |
| 20°    | 0.0  | 11.6   | 26.9 | 50.4   | 88.4 | 177.3  | 382.3 | 652.3  | 992.3  | 1414.8 | 1889.4 |
| 17.5°  | 0.0  | 11.6   | 26.9 | 50.6   | 88.6 | 180.1  | 397.7 | 670.4  | 1021.1 | 1453.4 | 1935.1 |
| 15°    | 0.0  | 11.6   | 26.8 | 50.6   | 88.4 | 181.6  | 410.1 | 683.8  | 1042.8 | 1482.7 | 1970.5 |
| 12.5°  | 0.0  | 11.6   | 26.6 | 50.5   | 87.7 | 181.8  | 419.4 | 692.5  | 1057.5 | 1502.9 | 1995.5 |
| 10°    | 0.0  | 11.6   | 26.4 | 50.1   | 86.7 | 180.8  | 425.7 | 696.8  | 1065.5 | 1514.1 | 2010.2 |
| 7.5°   | 0.0  | 11.5   | 26.1 | 49.7   | 85.3 | 178.7  | 428.8 | 696.8  | 1066.7 | 1516.5 | 2014.4 |
| 5°     | 0.0  | 11.4   | 25.7 | 49.1   | 83.5 | 175.4  | 429.0 | 692.7  | 1061.6 | 1510.2 | 2008.3 |
| 2.5°   | 0.0  | 11.3   | 25.3 | 48.4   | 81.4 | 171.2  | 426.0 | 684.7  | 1050.2 | 1495.4 | 1991.9 |
| 0°     | 0.0  | 11.1   | 24.8 | 47.5   | 79.1 | 166.0  | 420.1 | 673.0  | 1032.9 | 1472.4 | 1965.3 |
| -2.5°  | 0.0  | 11.3   | 25.3 | 48.4   | 81.4 | 171.2  | 426.0 | 684.7  | 1050.2 | 1495.4 | 1991.9 |
| -5°    | 0.0  | 11.4   | 25.7 | 49.1   | 83.5 | 175.4  | 429.0 | 692.7  | 1061.6 | 1510.2 | 2008.3 |
| -7.5°  | 0.0  | 11.5   | 26.1 | 49.7   | 85.3 | 178.7  | 428.8 | 696.8  | 1066.7 | 1516.5 | 2014.4 |
| -10°   | 0.0  | 11.6   | 26.4 | 50.1   | 86.7 | 180.8  | 425.7 | 696.8  | 1065.5 | 1514.1 | 2010.2 |
| -12.5° | 0.0  | 11.6   | 26.6 | 50.5   | 87.7 | 181.8  | 419.4 | 692.5  | 1057.5 | 1502.9 | 1995.5 |
| -15°   | 0.0  | 11.6   | 26.8 | 50.6   | 88.4 | 181.6  | 410.1 | 683.8  | 1042.8 | 1482.7 | 1970.5 |
| -17.5° | 0.0  | 11.6   | 26.9 | 50.6   | 88.6 | 180.1  | 397.7 | 670.4  | 1021.1 | 1453.4 | 1935.1 |
| -20°   | 0.0  | 11.6   | 26.9 | 50.4   | 88.4 | 177.3  | 382.3 | 652.3  | 992.3  | 1414.8 | 1889.4 |



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 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75°  | -72.5° | -70°  | -67.5° | -65°   |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|--------|
| -22.5° | 0.0  | 11.6   | 26.9 | 50.1   | 87.7 | 173.1  | 363.8 | 629.4  | 956.3 | 1367.1 | 1833.4 |
| -25°   | 0.0  | 11.5   | 26.8 | 49.7   | 86.6 | 167.4  | 342.4 | 601.5  | 913.0 | 1310.1 | 1767.4 |
| -27.5° | 0.0  | 11.4   | 26.6 | 49.0   | 84.9 | 160.3  | 317.9 | 568.7  | 862.6 | 1247.9 | 1695.3 |
| -30°   | 0.0  | 11.2   | 26.4 | 48.2   | 82.7 | 151.6  | 290.5 | 530.9  | 815.4 | 1185.0 | 1612.8 |
| -32.5° | 0.0  | 11.0   | 26.0 | 47.3   | 80.0 | 141.5  | 260.3 | 494.0  | 768.4 | 1113.5 | 1520.0 |
| -35°   | 0.0  | 10.8   | 25.6 | 46.1   | 76.8 | 129.8  | 241.3 | 455.4  | 715.3 | 1033.6 | 1416.9 |
| -37.5° | 0.0  | 10.6   | 25.1 | 44.8   | 73.0 | 119.8  | 226.2 | 413.6  | 656.1 | 945.3  | 1313.4 |
| -40°   | 0.0  | 10.3   | 24.6 | 43.4   | 68.7 | 114.7  | 209.1 | 368.6  | 590.9 | 866.0  | 1206.4 |
| -42.5° | 0.0  | 10.0   | 23.9 | 41.8   | 65.3 | 108.8  | 189.9 | 320.5  | 530.8 | 786.0  | 1090.2 |
| -45°   | 0.0  | 9.7    | 23.2 | 40.1   | 62.9 | 102.1  | 168.7 | 280.4  | 472.2 | 699.2  | 969.0  |
| -47.5° | 0.0  | 9.3    | 22.5 | 38.2   | 60.4 | 94.7   | 145.5 | 253.0  | 410.3 | 606.2  | 863.8  |
| -50°   | 0.0  | 9.0    | 21.6 | 36.7   | 57.6 | 86.5   | 133.3 | 223.0  | 345.2 | 532.6  | 751.0  |
| -52.5° | 0.0  | 8.5    | 20.7 | 35.3   | 54.7 | 77.6   | 122.1 | 190.7  | 298.2 | 455.5  | 634.7  |
| -55°   | 0.0  | 8.1    | 19.7 | 33.7   | 51.5 | 72.7   | 110.0 | 158.3  | 257.1 | 375.2  | 545.0  |
| -57.5° | 0.0  | 7.6    | 18.7 | 32.1   | 48.1 | 68.3   | 96.9  | 142.1  | 213.3 | 316.7  | 451.8  |
| -60°   | 0.0  | 7.2    | 17.6 | 30.3   | 44.6 | 63.7   | 83.9  | 124.8  | 172.1 | 262.2  | 366.1  |
| -62.5° | 0.0  | 6.6    | 16.4 | 28.4   | 41.9 | 58.9   | 77.9  | 106.3  | 149.7 | 204.6  | 299.4  |
| -65°   | 0.0  | 6.1    | 15.1 | 26.4   | 39.1 | 53.8   | 71.7  | 90.4   | 126.0 | 169.8  | 229.3  |
| -67.5° | 0.0  | 5.6    | 13.8 | 24.3   | 36.1 | 49.2   | 65.1  | 82.5   | 101.1 | 140.0  | 183.0  |
| -70°   | 0.0  | 5.0    | 12.4 | 22.2   | 32.9 | 44.9   | 58.3  | 74.2   | 90.9  | 108.8  | 146.2  |
| -72.5° | 0.0  | 4.4    | 11.0 | 19.7   | 29.6 | 40.5   | 52.4  | 65.7   | 80.8  | 96.6   | 112.9  |
| -75°   | 0.0  | 3.8    | 9.5  | 17.0   | 26.3 | 35.9   | 46.5  | 57.9   | 70.4  | 84.4   | 99.0   |
| -77.5° | 0.0  | 3.2    | 8.0  | 14.3   | 22.2 | 31.2   | 40.4  | 50.3   | 61.0  | 72.3   | 84.7   |
| -80°   | 0.0  | 2.6    | 6.4  | 11.5   | 17.9 | 25.5   | 34.1  | 42.4   | 51.4  | 60.9   | 71.0   |
| -82.5° | 0.0  | 1.9    | 4.8  | 8.7    | 13.5 | 19.3   | 26.0  | 33.5   | 41.7  | 49.3   | 57.3   |
| -85°   | 0.0  | 1.3    | 3.2  | 5.8    | 9.0  | 12.9   | 17.4  | 22.4   | 28.1  | 34.3   | 41.0   |
| -87.5° | 0.0  | 0.6    | 1.6  | 2.9    | 4.5  | 6.5    | 8.7   | 11.2   | 14.1  | 17.2   | 20.6   |
| -90°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0    |





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 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 24.2   | 28.1   | 31.7   | 35.5   | 39.4   | 43.4   | 47.5   | 51.8   | 56.1   | 60.5   | 64.9   |
| 85°    | 48.3   | 56.1   | 62.3   | 69.6   | 78.0   | 87.2   | 97.4   | 108.5  | 120.3  | 132.9  | 146.0  |
| 82.5°  | 65.7   | 74.5   | 86.2   | 99.6   | 114.7  | 131.2  | 149.9  | 173.4  | 199.2  | 227.2  | 257.0  |
| 80°    | 81.5   | 92.6   | 110.3  | 133.1  | 159.9  | 190.5  | 224.8  | 262.5  | 303.3  | 351.7  | 407.3  |
| 77.5°  | 97.8   | 111.3  | 136.0  | 168.9  | 209.1  | 265.4  | 326.1  | 391.1  | 459.7  | 531.8  | 606.8  |
| 75°    | 114.0  | 129.5  | 174.4  | 234.0  | 299.7  | 371.2  | 451.5  | 556.4  | 665.9  | 779.2  | 895.9  |
| 72.5°  | 142.7  | 180.5  | 234.5  | 306.8  | 411.3  | 525.8  | 646.8  | 773.8  | 911.3  | 1056.2 | 1203.7 |
| 70°    | 187.3  | 231.8  | 316.5  | 433.9  | 559.8  | 697.9  | 852.1  | 1011.4 | 1175.2 | 1345.5 | 1518.9 |
| 67.5°  | 237.3  | 324.4  | 423.9  | 562.0  | 722.7  | 890.6  | 1065.0 | 1264.6 | 1460.3 | 1651.1 | 1837.1 |
| 65°    | 321.3  | 420.0  | 540.2  | 710.1  | 888.7  | 1107.2 | 1325.8 | 1539.7 | 1755.0 | 1960.5 | 2154.6 |
| 62.5°  | 401.7  | 535.3  | 674.5  | 870.9  | 1112.4 | 1349.5 | 1594.4 | 1832.1 | 2057.4 | 2243.7 | 2403.2 |
| 60°    | 505.6  | 655.6  | 839.6  | 1079.2 | 1340.9 | 1614.9 | 1875.8 | 2110.0 | 2313.7 | 2489.9 | 2627.8 |
| 57.5°  | 612.1  | 803.1  | 1034.3 | 1295.8 | 1595.8 | 1881.7 | 2142.8 | 2373.5 | 2562.7 | 2719.8 | 2843.6 |
| 55°    | 731.8  | 970.7  | 1235.0 | 1534.6 | 1850.5 | 2147.6 | 2408.1 | 2624.7 | 2808.2 | 2938.0 | 3040.5 |
| 52.5°  | 874.5  | 1137.2 | 1449.2 | 1776.1 | 2113.4 | 2410.9 | 2664.1 | 2869.5 | 3025.9 | 3144.8 | 3218.6 |
| 50°    | 1009.1 | 1322.3 | 1656.3 | 2018.8 | 2372.5 | 2668.5 | 2907.0 | 3096.1 | 3229.9 | 3325.1 | 3383.5 |
| 47.5°  | 1159.1 | 1497.1 | 1868.2 | 2246.9 | 2615.6 | 2909.7 | 3137.4 | 3296.4 | 3417.9 | 3487.8 | 3534.9 |
| 45°    | 1307.9 | 1675.2 | 2068.5 | 2456.5 | 2827.5 | 3138.7 | 3335.8 | 3488.0 | 3578.1 | 3640.4 | 3662.1 |
| 42.5°  | 1446.7 | 1847.3 | 2252.9 | 2655.1 | 3011.4 | 3324.6 | 3526.6 | 3646.9 | 3730.5 | 3769.1 | 3784.0 |
| 40°    | 1590.8 | 2007.7 | 2425.9 | 2819.1 | 3177.0 | 3467.2 | 3687.3 | 3802.2 | 3860.0 | 3889.9 | 3900.1 |
| 37.5°  | 1726.3 | 2156.1 | 2583.6 | 2975.7 | 3306.8 | 3587.5 | 3817.7 | 3929.8 | 3980.7 | 4005.9 | 3999.5 |
| 35°    | 1850.6 | 2294.0 | 2719.7 | 3106.4 | 3432.8 | 3692.2 | 3894.1 | 4047.8 | 4094.6 | 4104.3 | 4097.4 |
| 32.5°  | 1965.4 | 2420.9 | 2847.5 | 3217.1 | 3529.7 | 3784.7 | 3968.5 | 4105.3 | 4195.2 | 4202.2 | 4190.6 |
| 30°    | 2070.6 | 2529.1 | 2959.5 | 3322.5 | 3621.9 | 3852.5 | 4027.3 | 4159.7 | 4249.8 | 4291.8 | 4275.1 |
| 27.5°  | 2165.3 | 2627.6 | 3047.9 | 3407.0 | 3704.7 | 3919.7 | 4081.4 | 4199.4 | 4284.8 | 4346.2 | 4355.3 |
| 25°    | 2249.1 | 2716.9 | 3129.8 | 3481.7 | 3761.8 | 3971.7 | 4130.2 | 4239.7 | 4317.5 | 4370.2 | 4399.4 |
| 22.5°  | 2320.7 | 2796.1 | 3204.6 | 3551.6 | 3816.4 | 4017.4 | 4164.9 | 4270.3 | 4346.1 | 4396.0 | 4415.9 |
| 20°    | 2381.2 | 2852.8 | 3263.9 | 3611.9 | 3867.9 | 4061.3 | 4198.9 | 4298.8 | 4370.1 | 4411.5 | 4433.5 |
| 17.5°  | 2432.0 | 2901.3 | 3311.0 | 3649.7 | 3903.5 | 4095.3 | 4229.8 | 4326.7 | 4394.9 | 4427.5 | 4452.5 |
| 15°    | 2472.7 | 2941.3 | 3351.1 | 3682.7 | 3933.0 | 4119.2 | 4251.1 | 4347.4 | 4413.4 | 4444.0 | 4472.7 |
| 12.5°  | 2502.8 | 2972.1 | 3383.4 | 3710.1 | 3958.3 | 4140.3 | 4270.3 | 4366.4 | 4426.7 | 4461.2 | 4483.6 |
| 10°    | 2522.2 | 2993.2 | 3407.4 | 3731.2 | 3978.8 | 4157.9 | 4287.0 | 4384.3 | 4439.6 | 4478.4 | 4494.8 |
| 7.5°   | 2530.6 | 3004.0 | 3422.2 | 3745.2 | 3993.6 | 4171.4 | 4300.7 | 4400.2 | 4451.6 | 4495.1 | 4506.1 |
| 5°     | 2527.6 | 3004.1 | 3427.0 | 3751.3 | 4002.0 | 4180.2 | 4310.7 | 4413.4 | 4462.3 | 4510.8 | 4517.6 |
| 2.5°   | 2513.1 | 2992.9 | 3421.2 | 3748.8 | 4003.2 | 4183.6 | 4316.4 | 4423.3 | 4471.5 | 4524.8 | 4529.0 |
| 0°     | 2486.9 | 2970.0 | 3404.0 | 3736.9 | 3996.5 | 4180.8 | 4317.2 | 4429.1 | 4478.6 | 4536.3 | 4540.3 |
| -2.5°  | 2513.1 | 2992.9 | 3421.2 | 3748.8 | 4003.2 | 4183.6 | 4316.4 | 4423.3 | 4471.5 | 4524.8 | 4529.0 |
| -5°    | 2527.6 | 3004.1 | 3427.0 | 3751.3 | 4002.0 | 4180.2 | 4310.7 | 4413.4 | 4462.3 | 4510.8 | 4517.6 |
| -7.5°  | 2530.6 | 3004.0 | 3422.2 | 3745.2 | 3993.6 | 4171.4 | 4300.7 | 4400.2 | 4451.6 | 4495.1 | 4506.1 |
| -10°   | 2522.2 | 2993.2 | 3407.4 | 3731.2 | 3978.8 | 4157.9 | 4287.0 | 4384.3 | 4439.6 | 4478.4 | 4494.8 |
| -12.5° | 2502.8 | 2972.1 | 3383.4 | 3710.1 | 3958.3 | 4140.3 | 4270.3 | 4366.4 | 4426.7 | 4461.2 | 4483.6 |
| -15°   | 2472.7 | 2941.3 | 3351.1 | 3682.7 | 3933.0 | 4119.2 | 4251.1 | 4347.4 | 4413.4 | 4444.0 | 4472.7 |
| -17.5° | 2432.0 | 2901.3 | 3311.0 | 3649.7 | 3903.5 | 4095.3 | 4229.8 | 4326.7 | 4394.9 | 4427.5 | 4452.5 |
| -20°   | 2381.2 | 2852.8 | 3263.9 | 3611.9 | 3867.9 | 4061.3 | 4198.9 | 4298.8 | 4370.1 | 4411.5 | 4433.5 |



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | -62.5° | -60°   | -57.5° | -55°   | -52.5° | -50°   | -47.5° | -45°   | -42.5° | -40°   | -37.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 2320.7 | 2796.1 | 3204.6 | 3551.6 | 3816.4 | 4017.4 | 4164.9 | 4270.3 | 4346.1 | 4396.0 | 4415.9 |
| -25°   | 2249.1 | 2716.9 | 3129.8 | 3481.7 | 3761.8 | 3971.7 | 4130.2 | 4239.7 | 4317.5 | 4370.2 | 4399.4 |
| -27.5° | 2165.3 | 2627.6 | 3047.9 | 3407.0 | 3704.7 | 3919.7 | 4081.4 | 4199.4 | 4284.8 | 4346.2 | 4355.3 |
| -30°   | 2070.6 | 2529.1 | 2959.5 | 3322.5 | 3621.9 | 3852.5 | 4027.3 | 4159.7 | 4249.8 | 4291.8 | 4275.1 |
| -32.5° | 1965.4 | 2420.9 | 2847.5 | 3217.1 | 3529.7 | 3784.7 | 3968.5 | 4105.3 | 4195.2 | 4202.2 | 4190.6 |
| -35°   | 1850.6 | 2294.0 | 2719.7 | 3106.4 | 3432.8 | 3692.2 | 3894.1 | 4047.8 | 4094.6 | 4104.3 | 4097.4 |
| -37.5° | 1726.3 | 2156.1 | 2583.6 | 2975.7 | 3306.8 | 3587.5 | 3817.7 | 3929.8 | 3980.7 | 4005.9 | 3999.5 |
| -40°   | 1590.8 | 2007.7 | 2425.9 | 2819.1 | 3177.0 | 3467.2 | 3687.3 | 3802.2 | 3860.0 | 3889.9 | 3900.1 |
| -42.5° | 1446.7 | 1847.3 | 2252.9 | 2655.1 | 3011.4 | 3324.6 | 3526.6 | 3646.9 | 3730.5 | 3769.1 | 3784.0 |
| -45°   | 1307.9 | 1675.2 | 2068.5 | 2456.5 | 2827.5 | 3138.7 | 3335.8 | 3488.0 | 3578.1 | 3640.4 | 3662.1 |
| -47.5° | 1159.1 | 1497.1 | 1868.2 | 2246.9 | 2615.6 | 2909.7 | 3137.4 | 3296.4 | 3417.9 | 3487.8 | 3534.9 |
| -50°   | 1009.1 | 1322.3 | 1656.3 | 2018.8 | 2372.5 | 2668.5 | 2907.0 | 3096.1 | 3229.9 | 3325.1 | 3383.5 |
| -52.5° | 874.5  | 1137.2 | 1449.2 | 1776.1 | 2113.4 | 2410.9 | 2664.1 | 2869.5 | 3025.9 | 3144.8 | 3218.6 |
| -55°   | 731.8  | 970.7  | 1235.0 | 1534.6 | 1850.5 | 2147.6 | 2408.1 | 2624.7 | 2808.2 | 2938.0 | 3040.5 |
| -57.5° | 612.1  | 803.1  | 1034.3 | 1295.8 | 1595.8 | 1881.7 | 2142.8 | 2373.5 | 2562.7 | 2719.8 | 2843.6 |
| -60°   | 505.6  | 655.6  | 839.6  | 1079.2 | 1340.9 | 1614.9 | 1875.8 | 2110.0 | 2313.7 | 2489.9 | 2627.8 |
| -62.5° | 401.7  | 535.3  | 674.5  | 870.9  | 1112.4 | 1349.5 | 1594.4 | 1832.1 | 2057.4 | 2243.7 | 2403.2 |
| -65°   | 321.3  | 420.0  | 540.2  | 710.1  | 888.7  | 1107.2 | 1325.8 | 1539.7 | 1755.0 | 1960.5 | 2154.6 |
| -67.5° | 237.3  | 324.4  | 423.9  | 562.0  | 722.7  | 890.6  | 1065.0 | 1264.6 | 1460.3 | 1651.1 | 1837.1 |
| -70°   | 187.3  | 231.8  | 316.5  | 433.9  | 559.8  | 697.9  | 852.1  | 1011.4 | 1175.2 | 1345.5 | 1518.9 |
| -72.5° | 142.7  | 180.5  | 234.5  | 306.8  | 411.3  | 525.8  | 646.8  | 773.8  | 911.3  | 1056.2 | 1203.7 |
| -75°   | 114.0  | 129.5  | 174.4  | 234.0  | 299.7  | 371.2  | 451.5  | 556.4  | 665.9  | 779.2  | 895.9  |
| -77.5° | 97.8   | 111.3  | 136.0  | 168.9  | 209.1  | 265.4  | 326.1  | 391.1  | 459.7  | 531.8  | 606.8  |
| -80°   | 81.5   | 92.6   | 110.3  | 133.1  | 159.9  | 190.5  | 224.8  | 262.5  | 303.3  | 351.7  | 407.3  |
| -82.5° | 65.7   | 74.5   | 86.2   | 99.6   | 114.7  | 131.2  | 149.9  | 173.4  | 199.2  | 227.2  | 257.0  |
| -85°   | 48.3   | 56.1   | 62.3   | 69.6   | 78.0   | 87.2   | 97.4   | 108.5  | 120.3  | 132.9  | 146.0  |
| -87.5° | 24.2   | 28.1   | 31.7   | 35.5   | 39.4   | 43.4   | 47.5   | 51.8   | 56.1   | 60.5   | 64.9   |
| -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: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 69.3   | 73.8   | 78.2   | 76.7   | 74.9   | 72.7   | 70.3   | 67.6   | 64.7   | 61.6   | 58.3   |
| 85°    | 159.6  | 173.8  | 188.2  | 184.2  | 178.5  | 171.7  | 164.0  | 155.5  | 146.1  | 136.1  | 125.4  |
| 82.5°  | 288.4  | 321.4  | 355.5  | 350.8  | 339.7  | 326.0  | 309.7  | 291.2  | 270.6  | 248.3  | 224.4  |
| 80°    | 464.8  | 524.0  | 584.5  | 583.0  | 565.3  | 542.8  | 515.6  | 484.3  | 449.2  | 410.7  | 369.4  |
| 77.5°  | 695.4  | 791.5  | 888.7  | 901.3  | 879.3  | 848.5  | 809.6  | 763.2  | 710.1  | 651.0  | 586.8  |
| 75°    | 1015.4 | 1138.4 | 1265.5 | 1291.5 | 1255.9 | 1209.2 | 1152.4 | 1086.3 | 1011.7 | 929.5  | 840.7  |
| 72.5°  | 1353.3 | 1504.2 | 1654.4 | 1696.4 | 1640.4 | 1573.2 | 1495.3 | 1407.8 | 1311.2 | 1206.7 | 1095.0 |
| 70°    | 1687.5 | 1851.1 | 2009.5 | 2077.8 | 2005.5 | 1922.2 | 1828.6 | 1725.5 | 1613.4 | 1493.0 | 1365.2 |
| 67.5°  | 2015.2 | 2183.3 | 2341.5 | 2440.1 | 2339.1 | 2222.5 | 2102.6 | 1979.3 | 1852.3 | 1721.7 | 1587.3 |
| 65°    | 2323.4 | 2453.1 | 2564.0 | 2648.2 | 2538.9 | 2419.8 | 2298.3 | 2174.1 | 2047.2 | 1917.2 | 1784.0 |
| 62.5°  | 2539.7 | 2647.6 | 2730.7 | 2794.2 | 2707.6 | 2591.7 | 2472.3 | 2351.3 | 2228.2 | 2102.7 | 1974.3 |
| 60°    | 2740.0 | 2827.6 | 2883.9 | 2920.6 | 2860.6 | 2749.4 | 2635.0 | 2519.5 | 2402.3 | 2282.9 | 2160.8 |
| 57.5°  | 2929.2 | 2991.5 | 3029.0 | 3043.3 | 3003.9 | 2897.8 | 2789.0 | 2678.4 | 2567.5 | 2455.1 | 2340.8 |
| 55°    | 3107.2 | 3145.7 | 3165.7 | 3161.8 | 3132.4 | 3030.0 | 2928.3 | 2825.9 | 2723.3 | 2619.8 | 2514.4 |
| 52.5°  | 3270.8 | 3288.4 | 3288.5 | 3272.0 | 3239.7 | 3153.4 | 3059.8 | 2966.5 | 2873.0 | 2778.5 | 2682.0 |
| 50°    | 3412.9 | 3420.0 | 3404.5 | 3377.8 | 3339.3 | 3271.9 | 3186.8 | 3101.1 | 3014.5 | 2927.7 | 2839.8 |
| 47.5°  | 3544.0 | 3538.7 | 3516.4 | 3483.6 | 3440.5 | 3380.4 | 3300.3 | 3223.0 | 3148.2 | 3072.5 | 2994.8 |
| 45°    | 3666.3 | 3651.6 | 3625.0 | 3582.5 | 3533.3 | 3481.3 | 3415.5 | 3349.4 | 3279.5 | 3209.5 | 3138.9 |
| 42.5°  | 3780.8 | 3757.1 | 3722.2 | 3681.0 | 3635.6 | 3582.0 | 3518.3 | 3455.2 | 3395.2 | 3335.3 | 3273.5 |
| 40°    | 3882.9 | 3856.5 | 3822.1 | 3780.6 | 3726.8 | 3669.5 | 3613.8 | 3561.6 | 3509.6 | 3456.0 | 3400.9 |
| 37.5°  | 3981.9 | 3954.8 | 3914.8 | 3866.5 | 3815.7 | 3764.4 | 3710.8 | 3662.1 | 3616.3 | 3567.6 | 3518.0 |
| 35°    | 4078.0 | 4042.5 | 3999.7 | 3952.6 | 3904.9 | 3855.3 | 3803.6 | 3752.4 | 3710.7 | 3668.7 | 3625.8 |
| 32.5°  | 4162.8 | 4125.2 | 4081.0 | 4036.2 | 3990.6 | 3939.3 | 3888.0 | 3835.6 | 3797.7 | 3761.4 | 3723.0 |
| 30°    | 4244.1 | 4202.2 | 4159.8 | 4116.2 | 4066.1 | 4017.3 | 3968.7 | 3918.3 | 3875.6 | 3843.9 | 3811.9 |
| 27.5°  | 4317.1 | 4276.9 | 4235.4 | 4186.0 | 4138.9 | 4092.9 | 4043.1 | 3995.0 | 3948.2 | 3922.1 | 3893.1 |
| 25°    | 4388.6 | 4350.0 | 4301.1 | 4254.5 | 4209.1 | 4159.3 | 4111.4 | 4066.3 | 4019.8 | 3984.1 | 3959.6 |
| 22.5°  | 4430.8 | 4413.4 | 4365.8 | 4321.7 | 4270.2 | 4220.3 | 4173.6 | 4128.7 | 4082.0 | 4037.2 | 4017.1 |
| 20°    | 4447.8 | 4443.2 | 4430.2 | 4379.0 | 4326.1 | 4275.9 | 4231.4 | 4180.5 | 4134.5 | 4100.0 | 4074.4 |
| 17.5°  | 4458.8 | 4456.7 | 4450.7 | 4433.4 | 4376.9 | 4330.8 | 4275.6 | 4225.0 | 4190.7 | 4149.8 | 4110.5 |
| 15°    | 4470.3 | 4470.9 | 4458.5 | 4438.9 | 4419.0 | 4375.3 | 4311.7 | 4274.7 | 4228.6 | 4189.1 | 4161.9 |
| 12.5°  | 4483.4 | 4482.6 | 4467.0 | 4447.8 | 4427.9 | 4387.2 | 4357.8 | 4309.1 | 4261.2 | 4229.3 | 4195.1 |
| 10°    | 4497.0 | 4492.0 | 4477.0 | 4457.4 | 4428.0 | 4388.6 | 4366.9 | 4329.8 | 4294.4 | 4254.4 | 4220.9 |
| 7.5°   | 4510.8 | 4502.4 | 4489.5 | 4466.3 | 4429.2 | 4395.5 | 4363.3 | 4329.4 | 4303.2 | 4275.9 | 4240.5 |
| 5°     | 4524.5 | 4513.7 | 4504.1 | 4475.3 | 4434.5 | 4402.0 | 4363.0 | 4329.8 | 4296.9 | 4268.5 | 4244.3 |
| 2.5°   | 4537.9 | 4526.0 | 4520.1 | 4485.3 | 4444.3 | 4409.4 | 4366.8 | 4331.8 | 4292.5 | 4261.9 | 4235.4 |
| 0°     | 4550.9 | 4539.1 | 4537.0 | 4497.6 | 4458.0 | 4419.2 | 4375.3 | 4337.2 | 4292.6 | 4259.6 | 4232.1 |
| -2.5°  | 4537.9 | 4526.0 | 4520.1 | 4485.3 | 4444.3 | 4409.4 | 4366.8 | 4331.8 | 4292.5 | 4261.9 | 4235.4 |
| -5°    | 4524.5 | 4513.7 | 4504.1 | 4475.3 | 4434.5 | 4402.0 | 4363.0 | 4329.8 | 4296.9 | 4268.5 | 4244.3 |
| -7.5°  | 4510.8 | 4502.4 | 4489.5 | 4466.3 | 4429.2 | 4395.5 | 4363.3 | 4329.4 | 4303.2 | 4275.9 | 4240.5 |
| -10°   | 4497.0 | 4492.0 | 4477.0 | 4457.4 | 4428.0 | 4388.6 | 4366.9 | 4329.8 | 4294.4 | 4254.4 | 4220.9 |
| -12.5° | 4483.4 | 4482.6 | 4467.0 | 4447.8 | 4427.9 | 4387.2 | 4357.8 | 4309.1 | 4261.2 | 4229.3 | 4195.1 |
| -15°   | 4470.3 | 4470.9 | 4458.5 | 4438.9 | 4419.0 | 4375.3 | 4311.7 | 4274.7 | 4228.6 | 4189.1 | 4161.9 |
| -17.5° | 4458.8 | 4456.7 | 4450.7 | 4433.4 | 4376.9 | 4330.8 | 4275.6 | 4225.0 | 4190.7 | 4149.8 | 4110.5 |
| -20°   | 4447.8 | 4443.2 | 4430.2 | 4379.0 | 4326.1 | 4275.9 | 4231.4 | 4180.5 | 4134.5 | 4100.0 | 4074.4 |



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | -35°   | -32.5° | -30°   | -27.5° | -25°   | -22.5° | -20°   | -17.5° | -15°   | -12.5° | -10°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 4430.8 | 4413.4 | 4365.8 | 4321.7 | 4270.2 | 4220.3 | 4173.6 | 4128.7 | 4082.0 | 4037.2 | 4017.1 |
| -25°   | 4388.6 | 4350.0 | 4301.1 | 4254.5 | 4209.1 | 4159.3 | 4111.4 | 4066.3 | 4019.8 | 3984.1 | 3959.6 |
| -27.5° | 4317.1 | 4276.9 | 4235.4 | 4186.0 | 4138.9 | 4092.9 | 4043.1 | 3995.0 | 3948.2 | 3922.1 | 3893.1 |
| -30°   | 4244.1 | 4202.2 | 4159.8 | 4116.2 | 4066.1 | 4017.3 | 3968.7 | 3918.3 | 3875.6 | 3843.9 | 3811.9 |
| -32.5° | 4162.8 | 4125.2 | 4081.0 | 4036.2 | 3990.6 | 3939.3 | 3888.0 | 3835.6 | 3797.7 | 3761.4 | 3723.0 |
| -35°   | 4078.0 | 4042.5 | 3999.7 | 3952.6 | 3904.9 | 3855.3 | 3803.6 | 3752.4 | 3710.7 | 3668.7 | 3625.8 |
| -37.5° | 3981.9 | 3954.8 | 3914.8 | 3866.5 | 3815.7 | 3764.4 | 3710.8 | 3662.1 | 3616.3 | 3567.6 | 3518.0 |
| -40°   | 3882.9 | 3856.5 | 3822.1 | 3780.6 | 3726.8 | 3669.5 | 3613.8 | 3561.6 | 3509.6 | 3456.0 | 3400.9 |
| -42.5° | 3780.8 | 3757.1 | 3722.2 | 3681.0 | 3635.6 | 3582.0 | 3518.3 | 3455.2 | 3395.2 | 3335.3 | 3273.5 |
| -45°   | 3666.3 | 3651.6 | 3625.0 | 3582.5 | 3533.3 | 3481.3 | 3415.5 | 3349.4 | 3279.5 | 3209.5 | 3138.9 |
| -47.5° | 3544.0 | 3538.7 | 3516.4 | 3483.6 | 3440.5 | 3380.4 | 3300.3 | 3223.0 | 3148.2 | 3072.5 | 2994.8 |
| -50°   | 3412.9 | 3420.0 | 3404.5 | 3377.8 | 3339.3 | 3271.9 | 3186.8 | 3101.1 | 3014.5 | 2927.7 | 2839.8 |
| -52.5° | 3270.8 | 3288.4 | 3288.5 | 3272.0 | 3239.7 | 3153.4 | 3059.8 | 2966.5 | 2873.0 | 2778.5 | 2682.0 |
| -55°   | 3107.2 | 3145.7 | 3165.7 | 3161.8 | 3132.4 | 3030.0 | 2928.3 | 2825.9 | 2723.3 | 2619.8 | 2514.4 |
| -57.5° | 2929.2 | 2991.5 | 3029.0 | 3043.3 | 3003.9 | 2897.8 | 2789.0 | 2678.4 | 2567.5 | 2455.1 | 2340.8 |
| -60°   | 2740.0 | 2827.6 | 2883.9 | 2920.6 | 2860.6 | 2749.4 | 2635.0 | 2519.5 | 2402.3 | 2282.9 | 2160.8 |
| -62.5° | 2539.7 | 2647.6 | 2730.7 | 2794.2 | 2707.6 | 2591.7 | 2472.3 | 2351.3 | 2228.2 | 2102.7 | 1974.3 |
| -65°   | 2323.4 | 2453.1 | 2564.0 | 2648.2 | 2538.9 | 2419.8 | 2298.3 | 2174.1 | 2047.2 | 1917.2 | 1784.0 |
| -67.5° | 2015.2 | 2183.3 | 2341.5 | 2440.1 | 2339.1 | 2222.5 | 2102.6 | 1979.3 | 1852.3 | 1721.7 | 1587.3 |
| -70°   | 1687.5 | 1851.1 | 2009.5 | 2077.8 | 2005.5 | 1922.2 | 1828.6 | 1725.5 | 1613.4 | 1493.0 | 1365.2 |
| -72.5° | 1353.3 | 1504.2 | 1654.4 | 1696.4 | 1640.4 | 1573.2 | 1495.3 | 1407.8 | 1311.2 | 1206.7 | 1095.0 |
| -75°   | 1015.4 | 1138.4 | 1265.5 | 1291.5 | 1255.9 | 1209.2 | 1152.4 | 1086.3 | 1011.7 | 929.5  | 840.7  |
| -77.5° | 695.4  | 791.5  | 888.7  | 901.3  | 879.3  | 848.5  | 809.6  | 763.2  | 710.1  | 651.0  | 586.8  |
| -80°   | 464.8  | 524.0  | 584.5  | 583.0  | 565.3  | 542.8  | 515.6  | 484.3  | 449.2  | 410.7  | 369.4  |
| -82.5° | 288.4  | 321.4  | 355.5  | 350.8  | 339.7  | 326.0  | 309.7  | 291.2  | 270.6  | 248.3  | 224.4  |
| -85°   | 159.6  | 173.8  | 188.2  | 184.2  | 178.5  | 171.7  | 164.0  | 155.5  | 146.1  | 136.1  | 125.4  |
| -87.5° | 69.3   | 73.8   | 78.2   | 76.7   | 74.9   | 72.7   | 70.3   | 67.6   | 64.7   | 61.6   | 58.3   |
| -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: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 54.9   | 51.3   | 47.6   | 43.7   | 47.6   | 51.3   | 54.9   | 58.3   | 61.6   | 64.7   | 67.6   |
| 85°    | 114.3  | 102.7  | 90.9   | 78.7   | 90.9   | 102.7  | 114.3  | 125.4  | 136.1  | 146.1  | 155.5  |
| 82.5°  | 199.3  | 173.1  | 146.2  | 118.7  | 146.2  | 173.1  | 199.3  | 224.4  | 248.3  | 270.6  | 291.2  |
| 80°    | 325.8  | 280.1  | 233.0  | 184.9  | 233.0  | 280.1  | 325.8  | 369.4  | 410.7  | 449.2  | 484.3  |
| 77.5°  | 518.3  | 446.0  | 371.2  | 294.3  | 371.2  | 446.0  | 518.3  | 586.8  | 651.0  | 710.1  | 763.2  |
| 75°    | 746.2  | 646.9  | 544.0  | 438.3  | 544.0  | 646.9  | 746.2  | 840.7  | 929.5  | 1011.7 | 1086.3 |
| 72.5°  | 977.2  | 854.1  | 726.8  | 596.4  | 726.8  | 854.1  | 977.2  | 1095.0 | 1206.7 | 1311.2 | 1407.8 |
| 70°    | 1230.7 | 1090.5 | 945.3  | 796.0  | 945.3  | 1090.5 | 1230.7 | 1365.2 | 1493.0 | 1613.4 | 1725.5 |
| 67.5°  | 1449.2 | 1307.2 | 1161.4 | 1011.7 | 1161.4 | 1307.2 | 1449.2 | 1587.3 | 1721.7 | 1852.3 | 1979.3 |
| 65°    | 1647.3 | 1507.0 | 1362.9 | 1214.8 | 1362.9 | 1507.0 | 1647.3 | 1784.0 | 1917.2 | 2047.2 | 2174.1 |
| 62.5°  | 1842.6 | 1707.4 | 1568.1 | 1424.3 | 1568.1 | 1707.4 | 1842.6 | 1974.3 | 2102.7 | 2228.2 | 2351.3 |
| 60°    | 2035.5 | 1906.4 | 1773.1 | 1634.8 | 1773.1 | 1906.4 | 2035.5 | 2160.8 | 2282.9 | 2402.3 | 2519.5 |
| 57.5°  | 2223.7 | 2103.0 | 1978.0 | 1847.8 | 1978.0 | 2103.0 | 2223.7 | 2340.8 | 2455.1 | 2567.5 | 2678.4 |
| 55°    | 2406.4 | 2294.7 | 2178.3 | 2056.6 | 2178.3 | 2294.7 | 2406.4 | 2514.4 | 2619.8 | 2723.3 | 2825.9 |
| 52.5°  | 2582.7 | 2479.5 | 2371.6 | 2257.8 | 2371.6 | 2479.5 | 2582.7 | 2682.0 | 2778.5 | 2873.0 | 2966.5 |
| 50°    | 2749.4 | 2655.6 | 2557.1 | 2452.5 | 2557.1 | 2655.6 | 2749.4 | 2839.8 | 2927.7 | 3014.5 | 3101.1 |
| 47.5°  | 2914.0 | 2829.1 | 2738.7 | 2641.9 | 2738.7 | 2829.1 | 2914.0 | 2994.8 | 3072.5 | 3148.2 | 3223.0 |
| 45°    | 3066.4 | 2990.4 | 2909.5 | 2822.3 | 2909.5 | 2990.4 | 3066.4 | 3138.9 | 3209.5 | 3279.5 | 3349.4 |
| 42.5°  | 3208.8 | 3139.9 | 3065.7 | 2985.0 | 3065.7 | 3139.9 | 3208.8 | 3273.5 | 3335.3 | 3395.2 | 3455.2 |
| 40°    | 3342.9 | 3280.9 | 3213.4 | 3139.2 | 3213.4 | 3280.9 | 3342.9 | 3400.9 | 3456.0 | 3509.6 | 3561.6 |
| 37.5°  | 3466.2 | 3410.8 | 3350.1 | 3282.8 | 3350.1 | 3410.8 | 3466.2 | 3518.0 | 3567.6 | 3616.3 | 3662.1 |
| 35°    | 3581.0 | 3532.7 | 3479.2 | 3418.8 | 3479.2 | 3532.7 | 3581.0 | 3625.8 | 3668.7 | 3710.7 | 3752.4 |
| 32.5°  | 3682.4 | 3638.3 | 3589.3 | 3533.8 | 3589.3 | 3638.3 | 3682.4 | 3723.0 | 3761.4 | 3797.7 | 3835.6 |
| 30°    | 3778.5 | 3741.8 | 3700.3 | 3651.6 | 3700.3 | 3741.8 | 3778.5 | 3811.9 | 3843.9 | 3875.6 | 3918.3 |
| 27.5°  | 3864.2 | 3833.5 | 3798.6 | 3757.4 | 3798.6 | 3833.5 | 3864.2 | 3893.1 | 3922.1 | 3948.2 | 3995.0 |
| 25°    | 3932.9 | 3903.7 | 3870.5 | 3831.7 | 3870.5 | 3903.7 | 3932.9 | 3959.6 | 3984.1 | 4019.8 | 4066.3 |
| 22.5°  | 3998.3 | 3977.2 | 3951.7 | 3919.4 | 3951.7 | 3977.2 | 3998.3 | 4017.1 | 4037.2 | 4082.0 | 4128.7 |
| 20°    | 4056.0 | 4040.2 | 4023.7 | 4001.9 | 4023.7 | 4040.2 | 4056.0 | 4074.4 | 4100.0 | 4134.5 | 4180.5 |
| 17.5°  | 4100.9 | 4088.6 | 4071.1 | 4047.5 | 4071.1 | 4088.6 | 4100.9 | 4110.5 | 4149.8 | 4190.7 | 4225.0 |
| 15°    | 4139.1 | 4124.1 | 4108.5 | 4089.3 | 4108.5 | 4124.1 | 4139.1 | 4161.9 | 4189.1 | 4228.6 | 4274.7 |
| 12.5°  | 4166.5 | 4156.9 | 4149.1 | 4136.7 | 4149.1 | 4156.9 | 4166.5 | 4195.1 | 4229.3 | 4261.2 | 4309.1 |
| 10°    | 4197.6 | 4173.2 | 4158.8 | 4144.5 | 4158.8 | 4173.2 | 4197.6 | 4220.9 | 4254.4 | 4294.4 | 4329.8 |
| 7.5°   | 4207.7 | 4185.4 | 4180.3 | 4180.0 | 4180.3 | 4185.4 | 4207.7 | 4240.5 | 4275.9 | 4303.2 | 4329.4 |
| 5°     | 4219.7 | 4198.6 | 4191.3 | 4181.7 | 4191.3 | 4198.6 | 4219.7 | 4244.3 | 4268.5 | 4296.9 | 4329.8 |
| 2.5°   | 4211.8 | 4194.4 | 4185.2 | 4190.5 | 4185.2 | 4194.4 | 4211.8 | 4235.4 | 4261.9 | 4292.5 | 4331.8 |
| 0°     | 4197.9 | 4185.1 | 4168.4 | 4173.9 | 4168.4 | 4185.1 | 4197.9 | 4232.1 | 4259.6 | 4292.6 | 4337.2 |
| -2.5°  | 4211.8 | 4194.4 | 4185.2 | 4190.5 | 4185.2 | 4194.4 | 4211.8 | 4235.4 | 4261.9 | 4292.5 | 4331.8 |
| -5°    | 4219.7 | 4198.6 | 4191.3 | 4181.7 | 4191.3 | 4198.6 | 4219.7 | 4244.3 | 4268.5 | 4296.9 | 4329.8 |
| -7.5°  | 4207.7 | 4185.4 | 4180.3 | 4180.0 | 4180.3 | 4185.4 | 4207.7 | 4240.5 | 4275.9 | 4303.2 | 4329.4 |
| -10°   | 4197.6 | 4173.2 | 4158.8 | 4144.5 | 4158.8 | 4173.2 | 4197.6 | 4220.9 | 4254.4 | 4294.4 | 4329.8 |
| -12.5° | 4166.5 | 4156.9 | 4149.1 | 4136.7 | 4149.1 | 4156.9 | 4166.5 | 4195.1 | 4229.3 | 4261.2 | 4309.1 |
| -15°   | 4139.1 | 4124.1 | 4108.5 | 4089.3 | 4108.5 | 4124.1 | 4139.1 | 4161.9 | 4189.1 | 4228.6 | 4274.7 |
| -17.5° | 4100.9 | 4088.6 | 4071.1 | 4047.5 | 4071.1 | 4088.6 | 4100.9 | 4110.5 | 4149.8 | 4190.7 | 4225.0 |
| -20°   | 4056.0 | 4040.2 | 4023.7 | 4001.9 | 4023.7 | 4040.2 | 4056.0 | 4074.4 | 4100.0 | 4134.5 | 4180.5 |

Classified

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

Scaled Data Report



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | -7.5°  | -5°    | -2.5°  | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 3998.3 | 3977.2 | 3951.7 | 3919.4 | 3951.7 | 3977.2 | 3998.3 | 4017.1 | 4037.2 | 4082.0 | 4128.7 |
| -25°   | 3932.9 | 3903.7 | 3870.5 | 3831.7 | 3870.5 | 3903.7 | 3932.9 | 3959.6 | 3984.1 | 4019.8 | 4066.3 |
| -27.5° | 3864.2 | 3833.5 | 3798.6 | 3757.4 | 3798.6 | 3833.5 | 3864.2 | 3893.1 | 3922.1 | 3948.2 | 3995.0 |
| -30°   | 3778.5 | 3741.8 | 3700.3 | 3651.6 | 3700.3 | 3741.8 | 3778.5 | 3811.9 | 3843.9 | 3875.6 | 3918.3 |
| -32.5° | 3682.4 | 3638.3 | 3589.3 | 3533.8 | 3589.3 | 3638.3 | 3682.4 | 3723.0 | 3761.4 | 3797.7 | 3835.6 |
| -35°   | 3581.0 | 3532.7 | 3479.2 | 3418.8 | 3479.2 | 3532.7 | 3581.0 | 3625.8 | 3668.7 | 3710.7 | 3752.4 |
| -37.5° | 3466.2 | 3410.8 | 3350.1 | 3282.8 | 3350.1 | 3410.8 | 3466.2 | 3518.0 | 3567.6 | 3616.3 | 3662.1 |
| -40°   | 3342.9 | 3280.9 | 3213.4 | 3139.2 | 3213.4 | 3280.9 | 3342.9 | 3400.9 | 3456.0 | 3509.6 | 3561.6 |
| -42.5° | 3208.8 | 3139.9 | 3065.7 | 2985.0 | 3065.7 | 3139.9 | 3208.8 | 3273.5 | 3335.3 | 3395.2 | 3455.2 |
| -45°   | 3066.4 | 2990.4 | 2909.5 | 2822.3 | 2909.5 | 2990.4 | 3066.4 | 3138.9 | 3209.5 | 3279.5 | 3349.4 |
| -47.5° | 2914.0 | 2829.1 | 2738.7 | 2641.9 | 2738.7 | 2829.1 | 2914.0 | 2994.8 | 3072.5 | 3148.2 | 3223.0 |
| -50°   | 2749.4 | 2655.6 | 2557.1 | 2452.5 | 2557.1 | 2655.6 | 2749.4 | 2839.8 | 2927.7 | 3014.5 | 3101.1 |
| -52.5° | 2582.7 | 2479.5 | 2371.6 | 2257.8 | 2371.6 | 2479.5 | 2582.7 | 2682.0 | 2778.5 | 2873.0 | 2966.5 |
| -55°   | 2406.4 | 2294.7 | 2178.3 | 2056.6 | 2178.3 | 2294.7 | 2406.4 | 2514.4 | 2619.8 | 2723.3 | 2825.9 |
| -57.5° | 2223.7 | 2103.0 | 1978.0 | 1847.8 | 1978.0 | 2103.0 | 2223.7 | 2340.8 | 2455.1 | 2567.5 | 2678.4 |
| -60°   | 2035.5 | 1906.4 | 1773.1 | 1634.8 | 1773.1 | 1906.4 | 2035.5 | 2160.8 | 2282.9 | 2402.3 | 2519.5 |
| -62.5° | 1842.6 | 1707.4 | 1568.1 | 1424.3 | 1568.1 | 1707.4 | 1842.6 | 1974.3 | 2102.7 | 2228.2 | 2351.3 |
| -65°   | 1647.3 | 1507.0 | 1362.9 | 1214.8 | 1362.9 | 1507.0 | 1647.3 | 1784.0 | 1917.2 | 2047.2 | 2174.1 |
| -67.5° | 1449.2 | 1307.2 | 1161.4 | 1011.7 | 1161.4 | 1307.2 | 1449.2 | 1587.3 | 1721.7 | 1852.3 | 1979.3 |
| -70°   | 1230.7 | 1090.5 | 945.3  | 796.0  | 945.3  | 1090.5 | 1230.7 | 1365.2 | 1493.0 | 1613.4 | 1725.5 |
| -72.5° | 977.2  | 854.1  | 726.8  | 596.4  | 726.8  | 854.1  | 977.2  | 1095.0 | 1206.7 | 1311.2 | 1407.8 |
| -75°   | 746.2  | 646.9  | 544.0  | 438.3  | 544.0  | 646.9  | 746.2  | 840.7  | 929.5  | 1011.7 | 1086.3 |
| -77.5° | 518.3  | 446.0  | 371.2  | 294.3  | 371.2  | 446.0  | 518.3  | 586.8  | 651.0  | 710.1  | 763.2  |
| -80°   | 325.8  | 280.1  | 233.0  | 184.9  | 233.0  | 280.1  | 325.8  | 369.4  | 410.7  | 449.2  | 484.3  |
| -82.5° | 199.3  | 173.1  | 146.2  | 118.7  | 146.2  | 173.1  | 199.3  | 224.4  | 248.3  | 270.6  | 291.2  |
| -85°   | 114.3  | 102.7  | 90.9   | 78.7   | 90.9   | 102.7  | 114.3  | 125.4  | 136.1  | 146.1  | 155.5  |
| -87.5° | 54.9   | 51.3   | 47.6   | 43.7   | 47.6   | 51.3   | 54.9   | 58.3   | 61.6   | 64.7   | 67.6   |
| -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: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 70.3   | 72.7   | 74.9   | 76.7   | 78.2   | 73.8   | 69.3   | 64.9   | 60.5   | 56.1   | 51.8   |
| 85°    | 164.0  | 171.7  | 178.5  | 184.2  | 188.2  | 173.8  | 159.6  | 146.0  | 132.9  | 120.3  | 108.5  |
| 82.5°  | 309.7  | 326.0  | 339.7  | 350.8  | 355.5  | 321.4  | 288.4  | 257.0  | 227.2  | 199.2  | 173.4  |
| 80°    | 515.6  | 542.8  | 565.3  | 583.0  | 584.5  | 524.0  | 464.8  | 407.3  | 351.7  | 303.3  | 262.5  |
| 77.5°  | 809.6  | 848.5  | 879.3  | 901.3  | 888.7  | 791.5  | 695.4  | 606.8  | 531.8  | 459.7  | 391.1  |
| 75°    | 1152.4 | 1209.2 | 1255.9 | 1291.5 | 1265.5 | 1138.4 | 1015.4 | 895.9  | 779.2  | 665.9  | 556.4  |
| 72.5°  | 1495.3 | 1573.2 | 1640.4 | 1696.4 | 1654.4 | 1504.2 | 1353.3 | 1203.7 | 1056.2 | 911.3  | 773.8  |
| 70°    | 1828.6 | 1922.2 | 2005.5 | 2077.8 | 2009.5 | 1851.1 | 1687.5 | 1518.9 | 1345.5 | 1175.2 | 1011.4 |
| 67.5°  | 2102.6 | 2222.5 | 2339.1 | 2440.1 | 2341.5 | 2183.3 | 2015.2 | 1837.1 | 1651.1 | 1460.3 | 1264.6 |
| 65°    | 2298.3 | 2419.8 | 2538.9 | 2648.2 | 2564.0 | 2453.1 | 2323.4 | 2154.6 | 1960.5 | 1755.0 | 1539.7 |
| 62.5°  | 2472.3 | 2591.7 | 2707.6 | 2794.2 | 2730.7 | 2647.6 | 2539.7 | 2403.2 | 2243.7 | 2057.4 | 1832.1 |
| 60°    | 2635.0 | 2749.4 | 2860.6 | 2920.6 | 2883.9 | 2827.6 | 2740.0 | 2627.8 | 2489.9 | 2313.7 | 2110.0 |
| 57.5°  | 2789.0 | 2897.8 | 3003.9 | 3043.3 | 3029.0 | 2991.5 | 2929.2 | 2843.6 | 2719.8 | 2562.7 | 2373.5 |
| 55°    | 2928.3 | 3030.0 | 3132.4 | 3161.8 | 3165.7 | 3145.7 | 3107.2 | 3040.5 | 2938.0 | 2808.2 | 2624.7 |
| 52.5°  | 3059.8 | 3153.4 | 3239.7 | 3272.0 | 3288.5 | 3288.4 | 3270.8 | 3218.6 | 3144.8 | 3025.9 | 2869.5 |
| 50°    | 3186.8 | 3271.9 | 3339.3 | 3377.8 | 3404.5 | 3420.0 | 3412.9 | 3383.5 | 3325.1 | 3229.9 | 3096.1 |
| 47.5°  | 3300.3 | 3380.4 | 3440.5 | 3483.6 | 3516.4 | 3538.7 | 3544.0 | 3534.9 | 3487.8 | 3417.9 | 3296.4 |
| 45°    | 3415.5 | 3481.3 | 3533.3 | 3582.5 | 3625.0 | 3651.6 | 3666.3 | 3662.1 | 3640.4 | 3578.1 | 3488.0 |
| 42.5°  | 3518.3 | 3582.0 | 3635.6 | 3681.0 | 3722.2 | 3757.1 | 3780.8 | 3784.0 | 3769.1 | 3730.5 | 3646.9 |
| 40°    | 3613.8 | 3669.5 | 3726.8 | 3780.6 | 3822.1 | 3856.5 | 3882.9 | 3900.1 | 3889.9 | 3860.0 | 3802.2 |
| 37.5°  | 3710.8 | 3764.4 | 3815.7 | 3866.5 | 3914.8 | 3954.8 | 3981.9 | 3999.5 | 4005.9 | 3980.7 | 3929.8 |
| 35°    | 3803.6 | 3855.3 | 3904.9 | 3952.6 | 3999.7 | 4042.5 | 4078.0 | 4097.4 | 4104.3 | 4094.6 | 4047.8 |
| 32.5°  | 3888.0 | 3939.3 | 3990.6 | 4036.2 | 4081.0 | 4125.2 | 4162.8 | 4190.6 | 4202.2 | 4195.2 | 4105.3 |
| 30°    | 3968.7 | 4017.3 | 4066.1 | 4116.2 | 4159.8 | 4202.2 | 4244.1 | 4275.1 | 4291.8 | 4249.8 | 4159.7 |
| 27.5°  | 4043.1 | 4092.9 | 4138.9 | 4186.0 | 4235.4 | 4276.9 | 4317.1 | 4355.3 | 4346.2 | 4284.8 | 4199.4 |
| 25°    | 4111.4 | 4159.3 | 4209.1 | 4254.5 | 4301.1 | 4350.0 | 4388.6 | 4399.4 | 4370.2 | 4317.5 | 4239.7 |
| 22.5°  | 4173.6 | 4220.3 | 4270.2 | 4321.7 | 4365.8 | 4413.4 | 4430.8 | 4415.9 | 4396.0 | 4346.1 | 4270.3 |
| 20°    | 4231.4 | 4275.9 | 4326.1 | 4379.0 | 4430.2 | 4443.2 | 4447.8 | 4433.5 | 4411.5 | 4370.1 | 4298.8 |
| 17.5°  | 4275.6 | 4330.8 | 4376.9 | 4433.4 | 4450.7 | 4456.7 | 4458.8 | 4452.5 | 4427.5 | 4394.9 | 4326.7 |
| 15°    | 4311.7 | 4375.3 | 4419.0 | 4438.9 | 4458.5 | 4470.9 | 4470.3 | 4472.7 | 4444.0 | 4413.4 | 4347.4 |
| 12.5°  | 4357.8 | 4387.2 | 4427.9 | 4447.8 | 4467.0 | 4482.6 | 4483.4 | 4483.6 | 4461.2 | 4426.7 | 4366.4 |
| 10°    | 4366.9 | 4388.6 | 4428.0 | 4457.4 | 4477.0 | 4492.0 | 4497.0 | 4494.8 | 4478.4 | 4439.6 | 4384.3 |
| 7.5°   | 4363.3 | 4395.5 | 4429.2 | 4466.3 | 4489.5 | 4502.4 | 4510.8 | 4506.1 | 4495.1 | 4451.6 | 4400.2 |
| 5°     | 4363.0 | 4402.0 | 4434.5 | 4475.3 | 4504.1 | 4513.7 | 4524.5 | 4517.6 | 4510.8 | 4462.3 | 4413.4 |
| 2.5°   | 4366.8 | 4409.4 | 4444.3 | 4485.3 | 4520.1 | 4526.0 | 4537.9 | 4529.0 | 4524.8 | 4471.5 | 4423.3 |
| 0°     | 4375.3 | 4419.2 | 4458.0 | 4497.6 | 4537.0 | 4539.1 | 4550.9 | 4540.3 | 4536.3 | 4478.6 | 4429.1 |
| -2.5°  | 4366.8 | 4409.4 | 4444.3 | 4485.3 | 4520.1 | 4526.0 | 4537.9 | 4529.0 | 4524.8 | 4471.5 | 4423.3 |
| -5°    | 4363.0 | 4402.0 | 4434.5 | 4475.3 | 4504.1 | 4513.7 | 4524.5 | 4517.6 | 4510.8 | 4462.3 | 4413.4 |
| -7.5°  | 4363.3 | 4395.5 | 4429.2 | 4466.3 | 4489.5 | 4502.4 | 4510.8 | 4506.1 | 4495.1 | 4451.6 | 4400.2 |
| -10°   | 4366.9 | 4388.6 | 4428.0 | 4457.4 | 4477.0 | 4492.0 | 4497.0 | 4494.8 | 4478.4 | 4439.6 | 4384.3 |
| -12.5° | 4357.8 | 4387.2 | 4427.9 | 4447.8 | 4467.0 | 4482.6 | 4483.4 | 4483.6 | 4461.2 | 4426.7 | 4366.4 |
| -15°   | 4311.7 | 4375.3 | 4419.0 | 4438.9 | 4458.5 | 4470.9 | 4470.3 | 4472.7 | 4444.0 | 4413.4 | 4347.4 |
| -17.5° | 4275.6 | 4330.8 | 4376.9 | 4433.4 | 4450.7 | 4456.7 | 4458.8 | 4452.5 | 4427.5 | 4394.9 | 4326.7 |
| -20°   | 4231.4 | 4275.9 | 4326.1 | 4379.0 | 4430.2 | 4443.2 | 4447.8 | 4433.5 | 4411.5 | 4370.1 | 4298.8 |



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 20°    | 22.5°  | 25°    | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -22.5° | 4173.6 | 4220.3 | 4270.2 | 4321.7 | 4365.8 | 4413.4 | 4430.8 | 4415.9 | 4396.0 | 4346.1 | 4270.3 |
| -25°   | 4111.4 | 4159.3 | 4209.1 | 4254.5 | 4301.1 | 4350.0 | 4388.6 | 4399.4 | 4370.2 | 4317.5 | 4239.7 |
| -27.5° | 4043.1 | 4092.9 | 4138.9 | 4186.0 | 4235.4 | 4276.9 | 4317.1 | 4355.3 | 4346.2 | 4284.8 | 4199.4 |
| -30°   | 3968.7 | 4017.3 | 4066.1 | 4116.2 | 4159.8 | 4202.2 | 4244.1 | 4275.1 | 4291.8 | 4249.8 | 4159.7 |
| -32.5° | 3888.0 | 3939.3 | 3990.6 | 4036.2 | 4081.0 | 4125.2 | 4162.8 | 4190.6 | 4202.2 | 4195.2 | 4105.3 |
| -35°   | 3803.6 | 3855.3 | 3904.9 | 3952.6 | 3999.7 | 4042.5 | 4078.0 | 4097.4 | 4104.3 | 4094.6 | 4047.8 |
| -37.5° | 3710.8 | 3764.4 | 3815.7 | 3866.5 | 3914.8 | 3954.8 | 3981.9 | 3999.5 | 4005.9 | 3980.7 | 3929.8 |
| -40°   | 3613.8 | 3669.5 | 3726.8 | 3780.6 | 3822.1 | 3856.5 | 3882.9 | 3900.1 | 3889.9 | 3860.0 | 3802.2 |
| -42.5° | 3518.3 | 3582.0 | 3635.6 | 3681.0 | 3722.2 | 3757.1 | 3780.8 | 3784.0 | 3769.1 | 3730.5 | 3646.9 |
| -45°   | 3415.5 | 3481.3 | 3533.3 | 3582.5 | 3625.0 | 3651.6 | 3666.3 | 3662.1 | 3640.4 | 3578.1 | 3488.0 |
| -47.5° | 3300.3 | 3380.4 | 3440.5 | 3483.6 | 3516.4 | 3538.7 | 3544.0 | 3534.9 | 3487.8 | 3417.9 | 3296.4 |
| -50°   | 3186.8 | 3271.9 | 3339.3 | 3377.8 | 3404.5 | 3420.0 | 3412.9 | 3383.5 | 3325.1 | 3229.9 | 3096.1 |
| -52.5° | 3059.8 | 3153.4 | 3239.7 | 3272.0 | 3288.5 | 3288.4 | 3270.8 | 3218.6 | 3144.8 | 3025.9 | 2869.5 |
| -55°   | 2928.3 | 3030.0 | 3132.4 | 3161.8 | 3165.7 | 3145.7 | 3107.2 | 3040.5 | 2938.0 | 2808.2 | 2624.7 |
| -57.5° | 2789.0 | 2897.8 | 3003.9 | 3043.3 | 3029.0 | 2991.5 | 2929.2 | 2843.6 | 2719.8 | 2562.7 | 2373.5 |
| -60°   | 2635.0 | 2749.4 | 2860.6 | 2920.6 | 2883.9 | 2827.6 | 2740.0 | 2627.8 | 2489.9 | 2313.7 | 2110.0 |
| -62.5° | 2472.3 | 2591.7 | 2707.6 | 2794.2 | 2730.7 | 2647.6 | 2539.7 | 2403.2 | 2243.7 | 2057.4 | 1832.1 |
| -65°   | 2298.3 | 2419.8 | 2538.9 | 2648.2 | 2564.0 | 2453.1 | 2323.4 | 2154.6 | 1960.5 | 1755.0 | 1539.7 |
| -67.5° | 2102.6 | 2222.5 | 2339.1 | 2440.1 | 2341.5 | 2183.3 | 2015.2 | 1837.1 | 1651.1 | 1460.3 | 1264.6 |
| -70°   | 1828.6 | 1922.2 | 2005.5 | 2077.8 | 2009.5 | 1851.1 | 1687.5 | 1518.9 | 1345.5 | 1175.2 | 1011.4 |
| -72.5° | 1495.3 | 1573.2 | 1640.4 | 1696.4 | 1654.4 | 1504.2 | 1353.3 | 1203.7 | 1056.2 | 911.3  | 773.8  |
| -75°   | 1152.4 | 1209.2 | 1255.9 | 1291.5 | 1265.5 | 1138.4 | 1015.4 | 895.9  | 779.2  | 665.9  | 556.4  |
| -77.5° | 809.6  | 848.5  | 879.3  | 901.3  | 888.7  | 791.5  | 695.4  | 606.8  | 531.8  | 459.7  | 391.1  |
| -80°   | 515.6  | 542.8  | 565.3  | 583.0  | 584.5  | 524.0  | 464.8  | 407.3  | 351.7  | 303.3  | 262.5  |
| -82.5° | 309.7  | 326.0  | 339.7  | 350.8  | 355.5  | 321.4  | 288.4  | 257.0  | 227.2  | 199.2  | 173.4  |
| -85°   | 164.0  | 171.7  | 178.5  | 184.2  | 188.2  | 173.8  | 159.6  | 146.0  | 132.9  | 120.3  | 108.5  |
| -87.5° | 70.3   | 72.7   | 74.9   | 76.7   | 78.2   | 73.8   | 69.3   | 64.9   | 60.5   | 56.1   | 51.8   |
| -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: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 47.5   | 43.4   | 39.4   | 35.5   | 31.7   | 28.1   | 24.2   | 20.6   | 17.2   | 14.1   | 11.2  |
| 85°    | 97.4   | 87.2   | 78.0   | 69.6   | 62.3   | 56.1   | 48.3   | 41.0   | 34.3   | 28.1   | 22.4  |
| 82.5°  | 149.9  | 131.2  | 114.7  | 99.6   | 86.2   | 74.5   | 65.7   | 57.3   | 49.3   | 41.7   | 33.5  |
| 80°    | 224.8  | 190.5  | 159.9  | 133.1  | 110.3  | 92.6   | 81.5   | 71.0   | 60.9   | 51.4   | 42.4  |
| 77.5°  | 326.1  | 265.4  | 209.1  | 168.9  | 136.0  | 111.3  | 97.8   | 84.7   | 72.3   | 61.0   | 50.3  |
| 75°    | 451.5  | 371.2  | 299.7  | 234.0  | 174.4  | 129.5  | 114.0  | 99.0   | 84.4   | 70.4   | 57.9  |
| 72.5°  | 646.8  | 525.8  | 411.3  | 306.8  | 234.5  | 180.5  | 142.7  | 112.9  | 96.6   | 80.8   | 65.7  |
| 70°    | 852.1  | 697.9  | 559.8  | 433.9  | 316.5  | 231.8  | 187.3  | 146.2  | 108.8  | 90.9   | 74.2  |
| 67.5°  | 1065.0 | 890.6  | 722.7  | 562.0  | 423.9  | 324.4  | 237.3  | 183.0  | 140.0  | 101.1  | 82.5  |
| 65°    | 1325.8 | 1107.2 | 888.7  | 710.1  | 540.2  | 420.0  | 321.3  | 229.3  | 169.8  | 126.0  | 90.4  |
| 62.5°  | 1594.4 | 1349.5 | 1112.4 | 870.9  | 674.5  | 535.3  | 401.7  | 299.4  | 204.6  | 149.7  | 106.3 |
| 60°    | 1875.8 | 1614.9 | 1340.9 | 1079.2 | 839.6  | 655.6  | 505.6  | 366.1  | 262.2  | 172.1  | 124.8 |
| 57.5°  | 2142.8 | 1881.7 | 1595.8 | 1295.8 | 1034.3 | 803.1  | 612.1  | 451.8  | 316.7  | 213.3  | 142.1 |
| 55°    | 2408.1 | 2147.6 | 1850.5 | 1534.6 | 1235.0 | 970.7  | 731.8  | 545.0  | 375.2  | 257.1  | 158.3 |
| 52.5°  | 2664.1 | 2410.9 | 2113.4 | 1776.1 | 1449.2 | 1137.2 | 874.5  | 634.7  | 455.5  | 298.2  | 190.7 |
| 50°    | 2907.0 | 2668.5 | 2372.5 | 2018.8 | 1656.3 | 1322.3 | 1009.1 | 751.0  | 532.6  | 345.2  | 223.0 |
| 47.5°  | 3137.4 | 2909.7 | 2615.6 | 2246.9 | 1868.2 | 1497.1 | 1159.1 | 863.8  | 606.2  | 410.3  | 253.0 |
| 45°    | 3335.8 | 3138.7 | 2827.5 | 2456.5 | 2068.5 | 1675.2 | 1307.9 | 969.0  | 699.2  | 472.2  | 280.4 |
| 42.5°  | 3526.6 | 3324.6 | 3011.4 | 2655.1 | 2252.9 | 1847.3 | 1446.7 | 1090.2 | 786.0  | 530.8  | 320.5 |
| 40°    | 3687.3 | 3467.2 | 3177.0 | 2819.1 | 2425.9 | 2007.7 | 1590.8 | 1206.4 | 866.0  | 590.9  | 368.6 |
| 37.5°  | 3817.7 | 3587.5 | 3306.8 | 2975.7 | 2583.6 | 2156.1 | 1726.3 | 1313.4 | 945.3  | 656.1  | 413.6 |
| 35°    | 3894.1 | 3692.2 | 3432.8 | 3106.4 | 2719.7 | 2294.0 | 1850.6 | 1416.9 | 1033.6 | 715.3  | 455.4 |
| 32.5°  | 3968.5 | 3784.7 | 3529.7 | 3217.1 | 2847.5 | 2420.9 | 1965.4 | 1520.0 | 1113.5 | 768.4  | 494.0 |
| 30°    | 4027.3 | 3852.5 | 3621.9 | 3322.5 | 2959.5 | 2529.1 | 2070.6 | 1612.8 | 1185.0 | 815.4  | 530.9 |
| 27.5°  | 4081.4 | 3919.7 | 3704.7 | 3407.0 | 3047.9 | 2627.6 | 2165.3 | 1695.3 | 1247.9 | 862.6  | 568.7 |
| 25°    | 4130.2 | 3971.7 | 3761.8 | 3481.7 | 3129.8 | 2716.9 | 2249.1 | 1767.4 | 1310.1 | 913.0  | 601.5 |
| 22.5°  | 4164.9 | 4017.4 | 3816.4 | 3551.6 | 3204.6 | 2796.1 | 2320.7 | 1833.4 | 1367.1 | 956.3  | 629.4 |
| 20°    | 4198.9 | 4061.3 | 3867.9 | 3611.9 | 3263.9 | 2852.8 | 2381.2 | 1889.4 | 1414.8 | 992.3  | 652.3 |
| 17.5°  | 4229.8 | 4095.3 | 3903.5 | 3649.7 | 3311.0 | 2901.3 | 2432.0 | 1935.1 | 1453.4 | 1021.1 | 670.4 |
| 15°    | 4251.1 | 4119.2 | 3933.0 | 3682.7 | 3351.1 | 2941.3 | 2472.7 | 1970.5 | 1482.7 | 1042.8 | 683.8 |
| 12.5°  | 4270.3 | 4140.3 | 3958.3 | 3710.1 | 3383.4 | 2972.1 | 2502.8 | 1995.5 | 1502.9 | 1057.5 | 692.5 |
| 10°    | 4287.0 | 4157.9 | 3978.8 | 3731.2 | 3407.4 | 2993.2 | 2522.2 | 2010.2 | 1514.1 | 1065.5 | 696.8 |
| 7.5°   | 4300.7 | 4171.4 | 3993.6 | 3745.2 | 3422.2 | 3004.0 | 2530.6 | 2014.4 | 1516.5 | 1066.7 | 696.8 |
| 5°     | 4310.7 | 4180.2 | 4002.0 | 3751.3 | 3427.0 | 3004.1 | 2527.6 | 2008.3 | 1510.2 | 1061.6 | 692.7 |
| 2.5°   | 4316.4 | 4183.6 | 4003.2 | 3748.8 | 3421.2 | 2992.9 | 2513.1 | 1991.9 | 1495.4 | 1050.2 | 684.7 |
| 0°     | 4317.2 | 4180.8 | 3996.5 | 3736.9 | 3404.0 | 2970.0 | 2486.9 | 1965.3 | 1472.4 | 1032.9 | 673.0 |
| -2.5°  | 4316.4 | 4183.6 | 4003.2 | 3748.8 | 3421.2 | 2992.9 | 2513.1 | 1991.9 | 1495.4 | 1050.2 | 684.7 |
| -5°    | 4310.7 | 4180.2 | 4002.0 | 3751.3 | 3427.0 | 3004.1 | 2527.6 | 2008.3 | 1510.2 | 1061.6 | 692.7 |
| -7.5°  | 4300.7 | 4171.4 | 3993.6 | 3745.2 | 3422.2 | 3004.0 | 2530.6 | 2014.4 | 1516.5 | 1066.7 | 696.8 |
| -10°   | 4287.0 | 4157.9 | 3978.8 | 3731.2 | 3407.4 | 2993.2 | 2522.2 | 2010.2 | 1514.1 | 1065.5 | 696.8 |
| -12.5° | 4270.3 | 4140.3 | 3958.3 | 3710.1 | 3383.4 | 2972.1 | 2502.8 | 1995.5 | 1502.9 | 1057.5 | 692.5 |
| -15°   | 4251.1 | 4119.2 | 3933.0 | 3682.7 | 3351.1 | 2941.3 | 2472.7 | 1970.5 | 1482.7 | 1042.8 | 683.8 |
| -17.5° | 4229.8 | 4095.3 | 3903.5 | 3649.7 | 3311.0 | 2901.3 | 2432.0 | 1935.1 | 1453.4 | 1021.1 | 670.4 |
| -20°   | 4198.9 | 4061.3 | 3867.9 | 3611.9 | 3263.9 | 2852.8 | 2381.2 | 1889.4 | 1414.8 | 992.3  | 652.3 |



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 47.5°  | 50°    | 52.5°  | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°   | 72.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| -22.5° | 4164.9 | 4017.4 | 3816.4 | 3551.6 | 3204.6 | 2796.1 | 2320.7 | 1833.4 | 1367.1 | 956.3 | 629.4 |
| -25°   | 4130.2 | 3971.7 | 3761.8 | 3481.7 | 3129.8 | 2716.9 | 2249.1 | 1767.4 | 1310.1 | 913.0 | 601.5 |
| -27.5° | 4081.4 | 3919.7 | 3704.7 | 3407.0 | 3047.9 | 2627.6 | 2165.3 | 1695.3 | 1247.9 | 862.6 | 568.7 |
| -30°   | 4027.3 | 3852.5 | 3621.9 | 3322.5 | 2959.5 | 2529.1 | 2070.6 | 1612.8 | 1185.0 | 815.4 | 530.9 |
| -32.5° | 3968.5 | 3784.7 | 3529.7 | 3217.1 | 2847.5 | 2420.9 | 1965.4 | 1520.0 | 1113.5 | 768.4 | 494.0 |
| -35°   | 3894.1 | 3692.2 | 3432.8 | 3106.4 | 2719.7 | 2294.0 | 1850.6 | 1416.9 | 1033.6 | 715.3 | 455.4 |
| -37.5° | 3817.7 | 3587.5 | 3306.8 | 2975.7 | 2583.6 | 2156.1 | 1726.3 | 1313.4 | 945.3  | 656.1 | 413.6 |
| -40°   | 3687.3 | 3467.2 | 3177.0 | 2819.1 | 2425.9 | 2007.7 | 1590.8 | 1206.4 | 866.0  | 590.9 | 368.6 |
| -42.5° | 3526.6 | 3324.6 | 3011.4 | 2655.1 | 2252.9 | 1847.3 | 1446.7 | 1090.2 | 786.0  | 530.8 | 320.5 |
| -45°   | 3335.8 | 3138.7 | 2827.5 | 2456.5 | 2068.5 | 1675.2 | 1307.9 | 969.0  | 699.2  | 472.2 | 280.4 |
| -47.5° | 3137.4 | 2909.7 | 2615.6 | 2246.9 | 1868.2 | 1497.1 | 1159.1 | 863.8  | 606.2  | 410.3 | 253.0 |
| -50°   | 2907.0 | 2668.5 | 2372.5 | 2018.8 | 1656.3 | 1322.3 | 1009.1 | 751.0  | 532.6  | 345.2 | 223.0 |
| -52.5° | 2664.1 | 2410.9 | 2113.4 | 1776.1 | 1449.2 | 1137.2 | 874.5  | 634.7  | 455.5  | 298.2 | 190.7 |
| -55°   | 2408.1 | 2147.6 | 1850.5 | 1534.6 | 1235.0 | 970.7  | 731.8  | 545.0  | 375.2  | 257.1 | 158.3 |
| -57.5° | 2142.8 | 1881.7 | 1595.8 | 1295.8 | 1034.3 | 803.1  | 612.1  | 451.8  | 316.7  | 213.3 | 142.1 |
| -60°   | 1875.8 | 1614.9 | 1340.9 | 1079.2 | 839.6  | 655.6  | 505.6  | 366.1  | 262.2  | 172.1 | 124.8 |
| -62.5° | 1594.4 | 1349.5 | 1112.4 | 870.9  | 674.5  | 535.3  | 401.7  | 299.4  | 204.6  | 149.7 | 106.3 |
| -65°   | 1325.8 | 1107.2 | 888.7  | 710.1  | 540.2  | 420.0  | 321.3  | 229.3  | 169.8  | 126.0 | 90.4  |
| -67.5° | 1065.0 | 890.6  | 722.7  | 562.0  | 423.9  | 324.4  | 237.3  | 183.0  | 140.0  | 101.1 | 82.5  |
| -70°   | 852.1  | 697.9  | 559.8  | 433.9  | 316.5  | 231.8  | 187.3  | 146.2  | 108.8  | 90.9  | 74.2  |
| -72.5° | 646.8  | 525.8  | 411.3  | 306.8  | 234.5  | 180.5  | 142.7  | 112.9  | 96.6   | 80.8  | 65.7  |
| -75°   | 451.5  | 371.2  | 299.7  | 234.0  | 174.4  | 129.5  | 114.0  | 99.0   | 84.4   | 70.4  | 57.9  |
| -77.5° | 326.1  | 265.4  | 209.1  | 168.9  | 136.0  | 111.3  | 97.8   | 84.7   | 72.3   | 61.0  | 50.3  |
| -80°   | 224.8  | 190.5  | 159.9  | 133.1  | 110.3  | 92.6   | 81.5   | 71.0   | 60.9   | 51.4  | 42.4  |
| -82.5° | 149.9  | 131.2  | 114.7  | 99.6   | 86.2   | 74.5   | 65.7   | 57.3   | 49.3   | 41.7  | 33.5  |
| -85°   | 97.4   | 87.2   | 78.0   | 69.6   | 62.3   | 56.1   | 48.3   | 41.0   | 34.3   | 28.1  | 22.4  |
| -87.5° | 47.5   | 43.4   | 39.4   | 35.5   | 31.7   | 28.1   | 24.2   | 20.6   | 17.2   | 14.1  | 11.2  |
| -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: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**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°  | 8.7   | 6.5   | 4.5  | 2.9   | 1.6  | 0.6   | 0.0 |
| 85°    | 17.4  | 12.9  | 9.0  | 5.8   | 3.2  | 1.3   | 0.0 |
| 82.5°  | 26.0  | 19.3  | 13.5 | 8.7   | 4.8  | 1.9   | 0.0 |
| 80°    | 34.1  | 25.5  | 17.9 | 11.5  | 6.4  | 2.6   | 0.0 |
| 77.5°  | 40.4  | 31.2  | 22.2 | 14.3  | 8.0  | 3.2   | 0.0 |
| 75°    | 46.5  | 35.9  | 26.3 | 17.0  | 9.5  | 3.8   | 0.0 |
| 72.5°  | 52.4  | 40.5  | 29.6 | 19.7  | 11.0 | 4.4   | 0.0 |
| 70°    | 58.3  | 44.9  | 32.9 | 22.2  | 12.4 | 5.0   | 0.0 |
| 67.5°  | 65.1  | 49.2  | 36.1 | 24.3  | 13.8 | 5.6   | 0.0 |
| 65°    | 71.7  | 53.8  | 39.1 | 26.4  | 15.1 | 6.1   | 0.0 |
| 62.5°  | 77.9  | 58.9  | 41.9 | 28.4  | 16.4 | 6.6   | 0.0 |
| 60°    | 83.9  | 63.7  | 44.6 | 30.3  | 17.6 | 7.2   | 0.0 |
| 57.5°  | 96.9  | 68.3  | 48.1 | 32.1  | 18.7 | 7.6   | 0.0 |
| 55°    | 110.0 | 72.7  | 51.5 | 33.7  | 19.7 | 8.1   | 0.0 |
| 52.5°  | 122.1 | 77.6  | 54.7 | 35.3  | 20.7 | 8.5   | 0.0 |
| 50°    | 133.3 | 86.5  | 57.6 | 36.7  | 21.6 | 9.0   | 0.0 |
| 47.5°  | 145.5 | 94.7  | 60.4 | 38.2  | 22.5 | 9.3   | 0.0 |
| 45°    | 168.7 | 102.1 | 62.9 | 40.1  | 23.2 | 9.7   | 0.0 |
| 42.5°  | 189.9 | 108.8 | 65.3 | 41.8  | 23.9 | 10.0  | 0.0 |
| 40°    | 209.1 | 114.7 | 68.7 | 43.4  | 24.6 | 10.3  | 0.0 |
| 37.5°  | 226.2 | 119.8 | 73.0 | 44.8  | 25.1 | 10.6  | 0.0 |
| 35°    | 241.3 | 129.8 | 76.8 | 46.1  | 25.6 | 10.8  | 0.0 |
| 32.5°  | 260.3 | 141.5 | 80.0 | 47.3  | 26.0 | 11.0  | 0.0 |
| 30°    | 290.5 | 151.6 | 82.7 | 48.2  | 26.4 | 11.2  | 0.0 |
| 27.5°  | 317.9 | 160.3 | 84.9 | 49.0  | 26.6 | 11.4  | 0.0 |
| 25°    | 342.4 | 167.4 | 86.6 | 49.7  | 26.8 | 11.5  | 0.0 |
| 22.5°  | 363.8 | 173.1 | 87.7 | 50.1  | 26.9 | 11.6  | 0.0 |
| 20°    | 382.3 | 177.3 | 88.4 | 50.4  | 26.9 | 11.6  | 0.0 |
| 17.5°  | 397.7 | 180.1 | 88.6 | 50.6  | 26.9 | 11.6  | 0.0 |
| 15°    | 410.1 | 181.6 | 88.4 | 50.6  | 26.8 | 11.6  | 0.0 |
| 12.5°  | 419.4 | 181.8 | 87.7 | 50.5  | 26.6 | 11.6  | 0.0 |
| 10°    | 425.7 | 180.8 | 86.7 | 50.1  | 26.4 | 11.6  | 0.0 |
| 7.5°   | 428.8 | 178.7 | 85.3 | 49.7  | 26.1 | 11.5  | 0.0 |
| 5°     | 429.0 | 175.4 | 83.5 | 49.1  | 25.7 | 11.4  | 0.0 |
| 2.5°   | 426.0 | 171.2 | 81.4 | 48.4  | 25.3 | 11.3  | 0.0 |
| 0°     | 420.1 | 166.0 | 79.1 | 47.5  | 24.8 | 11.1  | 0.0 |
| -2.5°  | 426.0 | 171.2 | 81.4 | 48.4  | 25.3 | 11.3  | 0.0 |
| -5°    | 429.0 | 175.4 | 83.5 | 49.1  | 25.7 | 11.4  | 0.0 |
| -7.5°  | 428.8 | 178.7 | 85.3 | 49.7  | 26.1 | 11.5  | 0.0 |
| -10°   | 425.7 | 180.8 | 86.7 | 50.1  | 26.4 | 11.6  | 0.0 |
| -12.5° | 419.4 | 181.8 | 87.7 | 50.5  | 26.6 | 11.6  | 0.0 |
| -15°   | 410.1 | 181.6 | 88.4 | 50.6  | 26.8 | 11.6  | 0.0 |
| -17.5° | 397.7 | 180.1 | 88.6 | 50.6  | 26.9 | 11.6  | 0.0 |
| -20°   | 382.3 | 177.3 | 88.4 | 50.4  | 26.9 | 11.6  | 0.0 |

Classified

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

Scaled Data Report



REPORT NUMBER: P670574 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 75°   | 77.5° | 80°  | 82.5° | 85°  | 87.5° | 90° |
|--------|-------|-------|------|-------|------|-------|-----|
| -22.5° | 363.8 | 173.1 | 87.7 | 50.1  | 26.9 | 11.6  | 0.0 |
| -25°   | 342.4 | 167.4 | 86.6 | 49.7  | 26.8 | 11.5  | 0.0 |
| -27.5° | 317.9 | 160.3 | 84.9 | 49.0  | 26.6 | 11.4  | 0.0 |
| -30°   | 290.5 | 151.6 | 82.7 | 48.2  | 26.4 | 11.2  | 0.0 |
| -32.5° | 260.3 | 141.5 | 80.0 | 47.3  | 26.0 | 11.0  | 0.0 |
| -35°   | 241.3 | 129.8 | 76.8 | 46.1  | 25.6 | 10.8  | 0.0 |
| -37.5° | 226.2 | 119.8 | 73.0 | 44.8  | 25.1 | 10.6  | 0.0 |
| -40°   | 209.1 | 114.7 | 68.7 | 43.4  | 24.6 | 10.3  | 0.0 |
| -42.5° | 189.9 | 108.8 | 65.3 | 41.8  | 23.9 | 10.0  | 0.0 |
| -45°   | 168.7 | 102.1 | 62.9 | 40.1  | 23.2 | 9.7   | 0.0 |
| -47.5° | 145.5 | 94.7  | 60.4 | 38.2  | 22.5 | 9.3   | 0.0 |
| -50°   | 133.3 | 86.5  | 57.6 | 36.7  | 21.6 | 9.0   | 0.0 |
| -52.5° | 122.1 | 77.6  | 54.7 | 35.3  | 20.7 | 8.5   | 0.0 |
| -55°   | 110.0 | 72.7  | 51.5 | 33.7  | 19.7 | 8.1   | 0.0 |
| -57.5° | 96.9  | 68.3  | 48.1 | 32.1  | 18.7 | 7.6   | 0.0 |
| -60°   | 83.9  | 63.7  | 44.6 | 30.3  | 17.6 | 7.2   | 0.0 |
| -62.5° | 77.9  | 58.9  | 41.9 | 28.4  | 16.4 | 6.6   | 0.0 |
| -65°   | 71.7  | 53.8  | 39.1 | 26.4  | 15.1 | 6.1   | 0.0 |
| -67.5° | 65.1  | 49.2  | 36.1 | 24.3  | 13.8 | 5.6   | 0.0 |
| -70°   | 58.3  | 44.9  | 32.9 | 22.2  | 12.4 | 5.0   | 0.0 |
| -72.5° | 52.4  | 40.5  | 29.6 | 19.7  | 11.0 | 4.4   | 0.0 |
| -75°   | 46.5  | 35.9  | 26.3 | 17.0  | 9.5  | 3.8   | 0.0 |
| -77.5° | 40.4  | 31.2  | 22.2 | 14.3  | 8.0  | 3.2   | 0.0 |
| -80°   | 34.1  | 25.5  | 17.9 | 11.5  | 6.4  | 2.6   | 0.0 |
| -82.5° | 26.0  | 19.3  | 13.5 | 8.7   | 4.8  | 1.9   | 0.0 |
| -85°   | 17.4  | 12.9  | 9.0  | 5.8   | 3.2  | 1.3   | 0.0 |
| -87.5° | 8.7   | 6.5   | 4.5  | 2.9   | 1.6  | 0.6   | 0.0 |
| -90°   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0 |

(END OF REPORT)