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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365015

Luminaire Tested: **GSS-SB3A-750-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365015 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3A-750-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 5000K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (78) 5000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 12576.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 148.0 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G3 |

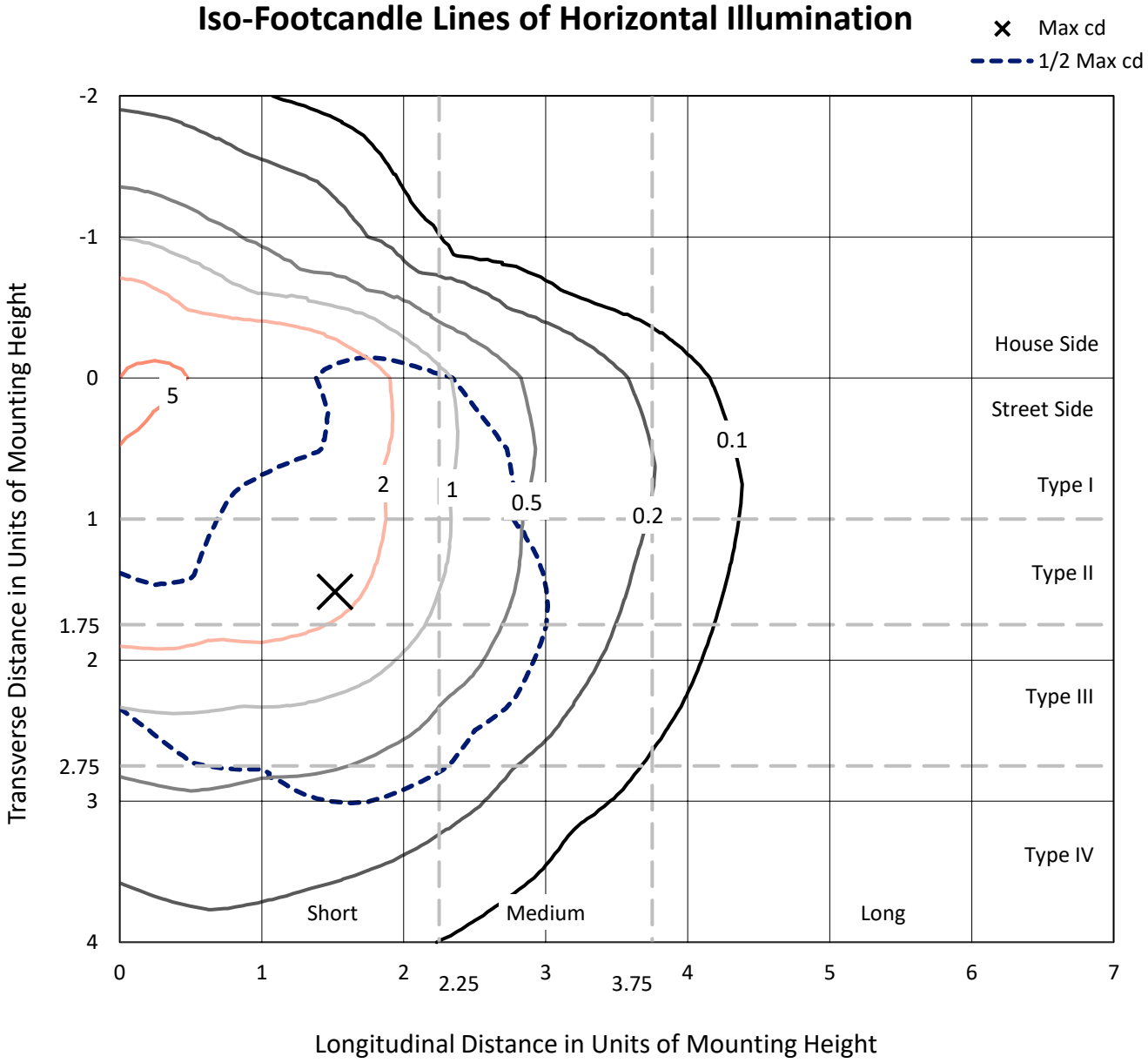
| | |
|---|---|
| Input Watts (W): | 85 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



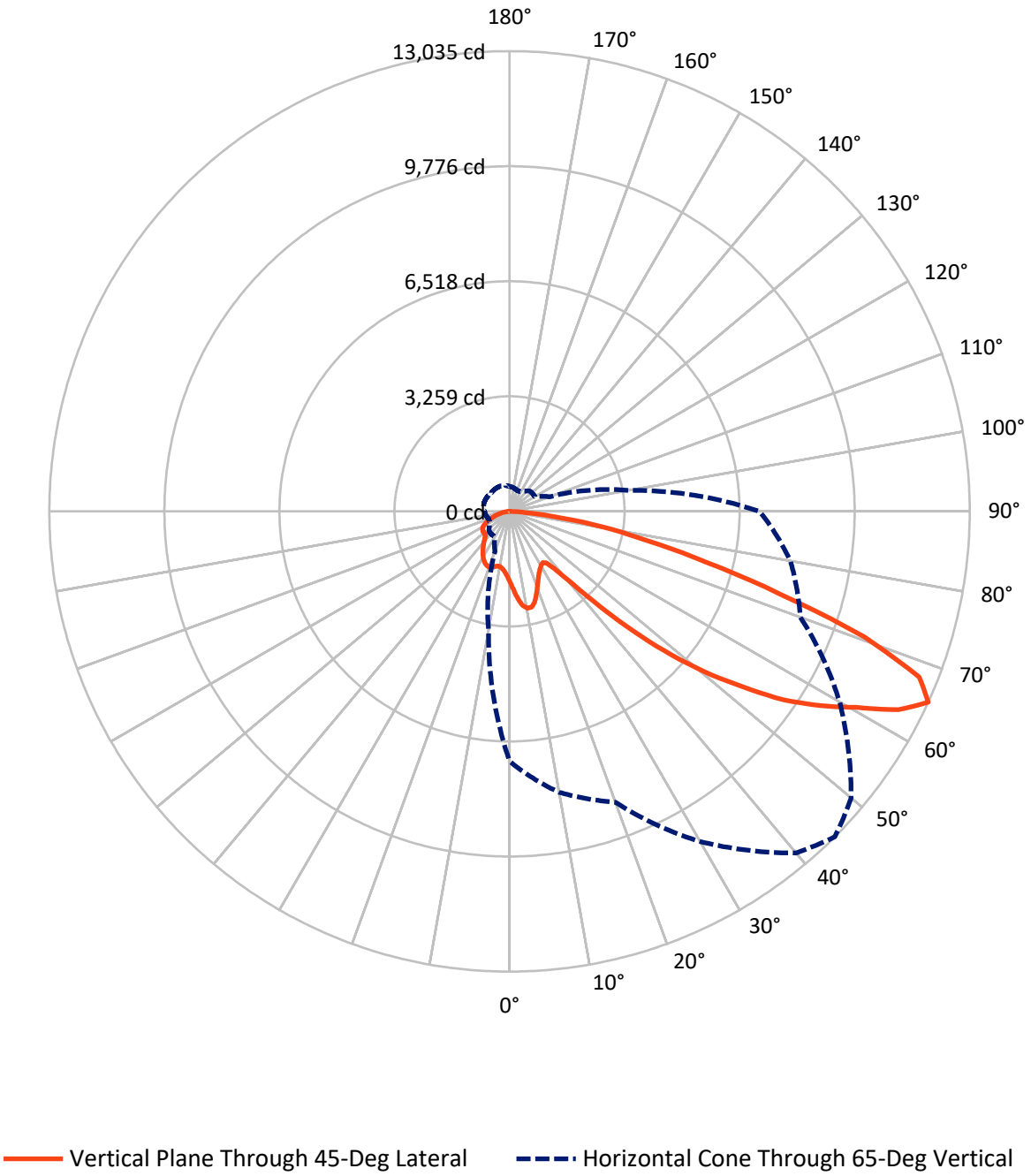

Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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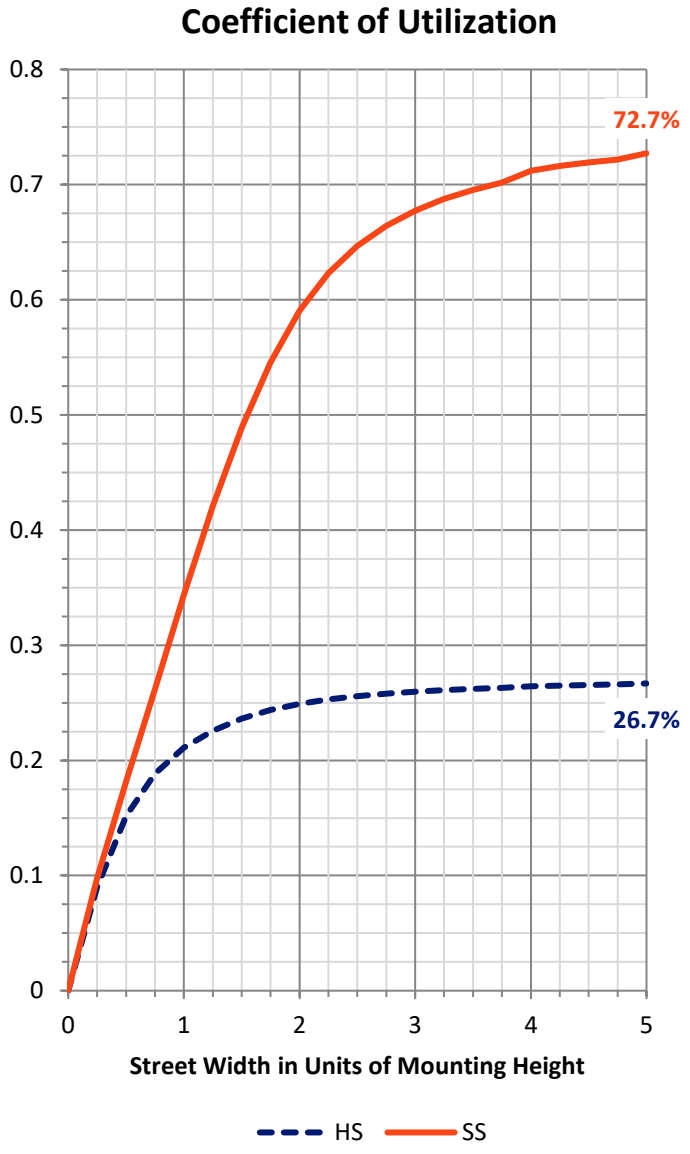
REPORT NUMBER: P1365015
CATALOG NUMBER: GSS-SB3A-750-U-SLL

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3383.5 | 0.0 | 3383.5 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 9193.5 | 0.0 | 9193.5 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 12576.9 | 0.0 | 12576.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 198.0 | 1.6 |
| 10°-20° | 606.8 | 4.8 |
| 20°-30° | 939.2 | 7.5 |
| 30°-40° | 1165.2 | 9.3 |
| 40°-50° | 1703.9 | 13.5 |
| 50°-60° | 2668.9 | 21.2 |
| 60°-70° | 3166.9 | 25.2 |
| 70°-80° | 1847.1 | 14.7 |
| 80°-90° | 281.0 | 2.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 12576.9 | 100.0 |
| 0°-180° | 12576.9 | 100.0 |



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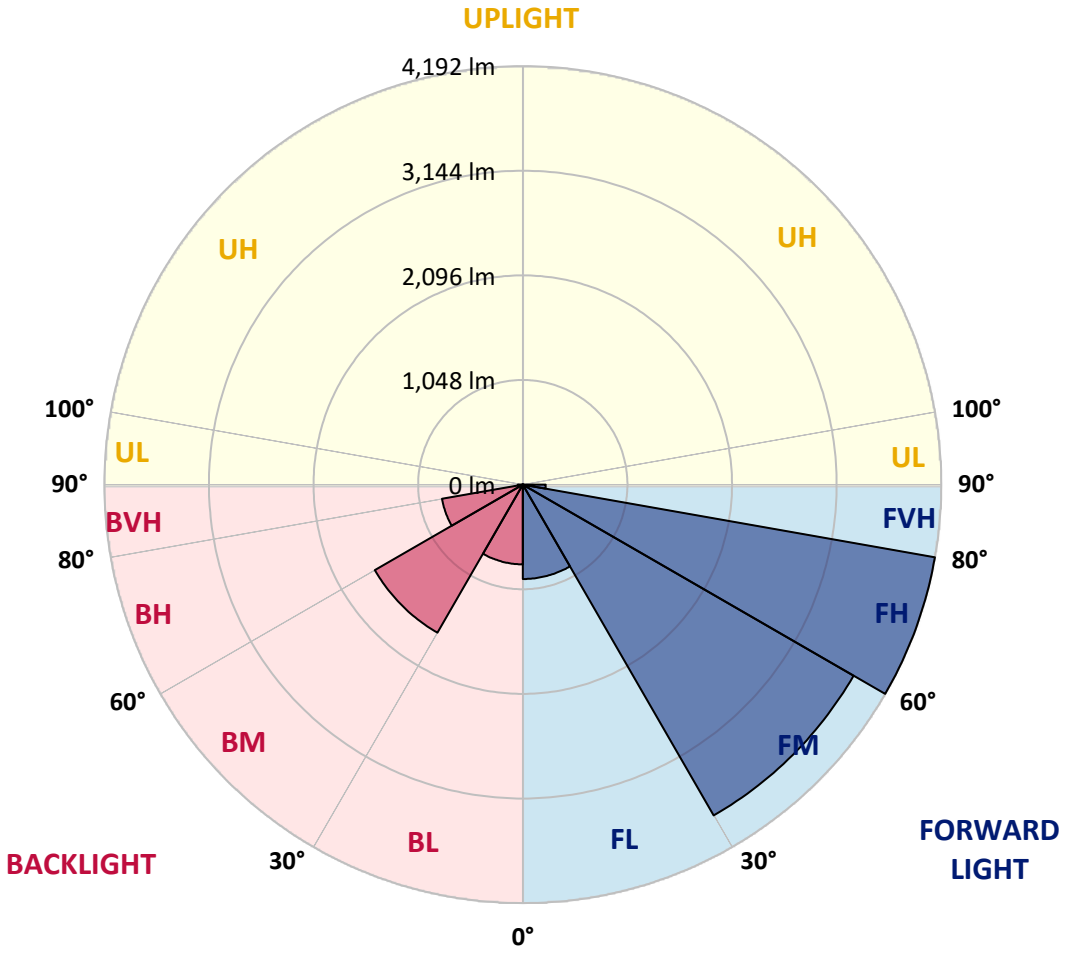
Scaled Data Report

REPORT NUMBER: P1365015
CATALOG NUMBER: GSS-SB3A-750-U-SLL

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 945.3 | 7.5 | | | |
| FM | (30°-60°) | 3826.2 | 30.4 | | | |
| FH | (60°-80°) | 4192.2 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 229.8 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 798.7 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1711.9 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 821.7 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 51.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | *2005.4* | 2005.4 |
| 2.5° | 2166.9 | 2174.6 | 2182.3 | 2190.6 | 2199.2 | 2204.1 | 2209.0 | 2214.3 | 2219.2 | *2223.8* | 2219.2 |
| 5° | 2314.5 | 2349.3 | 2383.7 | 2407.1 | 2430.5 | 2448.3 | 2466.2 | 2476.3 | 2486.8 | *2488.3* | 2486.8 |
| 7.5° | 2463.7 | 2504.9 | 2546.1 | 2581.8 | 2617.5 | 2640.3 | 2663.0 | 2676.2 | 2689.8 | *2694.4* | 2689.8 |
| 10° | 2557.5 | 2605.8 | 2654.4 | 2688.9 | 2723.6 | 2744.8 | 2765.7 | 2776.2 | 2786.7 | *2789.7* | 2786.7 |
| 12.5° | 2605.2 | 2651.6 | 2698.1 | 2724.8 | 2751.3 | 2764.8 | 2778.1 | 2783.0 | 2787.3 | *2783.6* | 2787.3 |
| 15° | 2628.3 | 2655.6 | 2682.7 | 2694.1 | 2705.2 | 2698.7 | 2691.9 | 2682.4 | 2672.9 | *2666.7* | 2672.9 |
| 17.5° | 2634.4 | 2643.9 | 2653.8 | 2633.2 | 2612.9 | 2576.0 | 2539.1 | 2511.4 | 2483.7 | *2463.7* | 2483.7 |
| 20° | 2654.4 | 2639.0 | 2623.6 | 2568.9 | 2514.5 | 2445.3 | 2376.0 | 2329.6 | 2282.8 | *2254.6* | 2282.8 |
| 22.5° | 2675.9 | 2632.6 | 2589.2 | 2497.2 | 2405.3 | 2310.5 | 2216.1 | 2162.6 | 2109.4 | *2079.2* | 2109.4 |
| 25° | 2709.8 | 2635.3 | 2560.6 | 2436.3 | 2312.4 | 2201.0 | 2090.0 | 2031.9 | 1974.0 | *1940.8* | 1974.0 |
| 27.5° | 2759.0 | 2645.2 | 2531.4 | 2377.6 | 2223.8 | 2103.2 | 1982.3 | 1927.0 | 1871.6 | *1842.4* | 1871.6 |
| 30° | 2828.2 | 2677.2 | 2525.8 | 2341.9 | 2157.7 | 2031.6 | 1905.5 | 1851.3 | 1796.9 | *1765.5* | 1796.9 |
| 32.5° | 2912.8 | 2722.1 | 2531.4 | 2325.3 | 2119.2 | 1990.6 | 1862.4 | 1810.4 | 1758.7 | *1731.7* | 1758.7 |
| 35° | 3055.8 | 2814.3 | 2572.9 | 2344.4 | 2116.1 | 1996.8 | 1877.8 | 1839.6 | 1801.8 | *1787.0* | 1801.8 |
| 37.5° | 3237.3 | 2955.2 | 2672.9 | 2437.6 | 2202.3 | 2121.1 | 2039.9 | 2039.9 | 2039.9 | *2051.6* | 2039.9 |
| 40° | 3504.9 | 3188.1 | 2871.2 | 2648.6 | 2426.2 | 2421.3 | 2417.0 | 2468.6 | 2520.6 | *2543.7* | 2520.6 |
| 42.5° | 3880.1 | 3545.2 | 3210.5 | 3030.9 | 2851.3 | 2958.9 | 3066.6 | 3216.0 | 3365.5 | *3463.3* | 3365.5 |
| 45° | 4346.1 | 4020.1 | 3694.0 | 3568.5 | 3443.3 | 3682.9 | 3922.2 | 4186.5 | 4450.7 | *4638.3* | 4450.7 |
| 47.5° | 4792.1 | 4517.7 | 4243.0 | 4171.4 | 4100.0 | 4498.3 | 4896.7 | 5283.9 | 5671.1 | *5899.4* | 5671.1 |
| 50° | 5308.8 | 5062.1 | 4815.1 | 4801.3 | 4787.5 | 5318.0 | 5848.6 | 6348.4 | 6848.2 | *7126.6* | 6848.2 |
| 52.5° | 5971.6 | 5700.7 | 5429.4 | 5440.5 | 5450.9 | 6081.1 | 6711.4 | 7315.8 | 7920.2 | *8233.9* | 7920.2 |
| 55° | 6763.7 | 6423.8 | 6083.9 | 6082.1 | 6080.2 | 6804.3 | 7528.9 | 8271.4 | 9014.5 | *9433.4* | 9014.5 |
| 57.5° | 7571.1 | 7252.7 | 6934.4 | 6858.7 | 6782.7 | 7540.0 | 8296.9 | 9116.9 | 9937.3 | *10377.7* | 9937.3 |
| 60° | 8177.0 | 8001.7 | 7826.3 | 7705.2 | 7584.3 | 8361.8 | 9139.7 | 9986.8 | 10833.5 | *11272.8* | 10833.5 |
| 62.5° | 7926.3 | 8239.7 | 8553.1 | 8544.2 | 8535.3 | 9374.7 | 10214.1 | 11095.0 | 11976.5 | *12370.8* | 11976.5 |
| 65° | *7080.5* | *7580.3* | *8080.1* | *8424.0* | *8767.5* | *9782.2* | *10796.6* | *11714.4* | *12632.3* | *13035.2* | *12632.3* |
| 67.5° | 6286.9 | 6727.4 | 7168.1 | 7449.6 | 7731.0 | 8874.3 | 10017.8 | 11059.3 | 12100.8 | *12515.4* | 12100.8 |
| 70° | 5527.2 | 6015.0 | 6502.8 | 6704.0 | 6905.1 | 7876.5 | 8847.5 | 9671.5 | 10495.2 | *10657.6* | 10495.2 |
| 72.5° | 4744.4 | 5324.5 | 5904.9 | 5990.1 | 6075.3 | 6782.1 | 7488.9 | 7927.8 | 8366.8 | *8012.4* | 8366.8 |
| 75° | 3884.7 | 4539.2 | 5193.5 | 5250.4 | 5307.3 | 5527.5 | 5748.0 | 5859.7 | 5971.6 | *5770.2* | 5971.6 |
| 77.5° | 2583.7 | 3150.2 | 3717.1 | 3844.7 | 3972.4 | 4119.1 | 4266.1 | 4258.4 | 4250.7 | *3967.8* | 4250.7 |
| 80° | 1516.4 | 1959.6 | 2402.8 | 2419.4 | 2436.0 | 2546.1 | 2655.9 | 2768.2 | 2880.5 | *2700.5* | 2880.5 |
| 82.5° | 758.2 | 1001.5 | 1245.1 | 1282.6 | 1320.1 | 1387.5 | 1454.8 | 1486.2 | 1517.9 | *1365.6* | 1517.9 |
| 85° | 172.2 | 235.6 | 299.0 | 360.2 | 421.4 | 492.1 | 562.9 | 554.9 | 546.9 | *461.4* | 546.9 |
| 87.5° | 13.8 | 14.1 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.9 | 17.8 | *18.5* | 17.8 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 2214.3 | 2209.0 | 2204.1 | 2199.2 | 2190.6 | 2182.3 | 2174.6 | 2166.9 | 2147.2 | 2127.8 | 2110.0 |
| 5° | 2476.3 | 2466.2 | 2448.3 | 2430.5 | 2407.1 | 2383.7 | 2349.3 | 2314.5 | 2279.8 | 2245.3 | 2209.0 |
| 7.5° | 2676.2 | 2663.0 | 2640.3 | 2617.5 | 2581.8 | 2546.1 | 2504.9 | 2463.7 | 2405.3 | 2346.8 | 2291.8 |
| 10° | 2776.2 | 2765.7 | 2744.8 | 2723.6 | 2688.9 | 2654.4 | 2605.8 | 2557.5 | 2487.7 | 2417.6 | 2349.3 |
| 12.5° | 2783.0 | 2778.1 | 2764.8 | 2751.3 | 2724.8 | 2698.1 | 2651.6 | 2605.2 | 2535.7 | 2466.2 | 2389.6 |
| 15° | 2682.4 | 2691.9 | 2698.7 | 2705.2 | 2694.1 | 2682.7 | 2655.6 | 2628.3 | 2557.8 | 2487.7 | 2409.9 |
| 17.5° | 2511.4 | 2539.1 | 2576.0 | 2612.9 | 2633.2 | 2653.8 | 2643.9 | 2634.4 | 2568.6 | 2503.1 | 2420.0 |
| 20° | 2329.6 | 2376.0 | 2445.3 | 2514.5 | 2568.9 | 2623.6 | 2639.0 | 2654.4 | 2588.0 | 2521.5 | 2432.3 |
| 22.5° | 2162.6 | 2216.1 | 2310.5 | 2405.3 | 2497.2 | 2589.2 | 2632.6 | 2675.9 | 2615.0 | 2554.4 | 2456.3 |
| 25° | 2031.9 | 2090.0 | 2201.0 | 2312.4 | 2436.3 | 2560.6 | 2635.3 | 2709.8 | 2657.2 | 2604.6 | 2497.5 |
| 27.5° | 1927.0 | 1982.3 | 2103.2 | 2223.8 | 2377.6 | 2531.4 | 2645.2 | 2759.0 | 2718.7 | 2678.4 | 2557.8 |
| 30° | 1851.3 | 1905.5 | 2031.6 | 2157.7 | 2341.9 | 2525.8 | 2677.2 | 2828.2 | 2796.5 | 2765.1 | 2629.2 |
| 32.5° | 1810.4 | 1862.4 | 1990.6 | 2119.2 | 2325.3 | 2531.4 | 2722.1 | 2912.8 | 2893.1 | 2873.4 | 2713.2 |
| 35° | 1839.6 | 1877.8 | 1996.8 | 2116.1 | 2344.4 | 2572.9 | 2814.3 | 3055.8 | 3031.2 | 3006.6 | 2802.3 |
| 37.5° | 2039.9 | 2039.9 | 2121.1 | 2202.3 | 2437.6 | 2672.9 | 2955.2 | 3237.3 | 3208.0 | 3178.8 | 2911.2 |
| 40° | 2468.6 | 2417.0 | 2421.3 | 2426.2 | 2648.6 | 2871.2 | 3188.1 | 3504.9 | 3447.3 | 3389.5 | 3035.8 |
| 42.5° | 3216.0 | 3066.6 | 2958.9 | 2851.3 | 3030.9 | 3210.5 | 3545.2 | 3880.1 | 3758.3 | 3636.2 | 3173.6 |
| 45° | 4186.5 | 3922.2 | 3682.9 | 3443.3 | 3568.5 | 3694.0 | 4020.1 | 4346.1 | 4150.8 | 3955.5 | 3360.6 |
| 47.5° | 5283.9 | 4896.7 | 4498.3 | 4100.0 | 4171.4 | 4243.0 | 4517.7 | 4792.1 | 4544.8 | 4297.5 | 3552.8 |
| 50° | 6348.4 | 5848.6 | 5318.0 | 4787.5 | 4801.3 | 4815.1 | 5062.1 | 5308.8 | 4973.5 | 4638.3 | 3720.5 |
| 52.5° | 7315.8 | 6711.4 | 6081.1 | 5450.9 | 5440.5 | 5429.4 | 5700.7 | 5971.6 | 5439.2 | 4906.5 | 3799.8 |
| 55° | 8271.4 | 7528.9 | 6804.3 | 6080.2 | 6082.1 | 6083.9 | 6423.8 | 6763.7 | 5907.0 | 5050.4 | 3778.9 |
| 57.5° | 9116.9 | 8296.9 | 7540.0 | 6782.7 | 6858.7 | 6934.4 | 7252.7 | 7571.1 | 6299.8 | 5028.9 | 3664.8 |
| 60° | 9986.8 | 9139.7 | 8361.8 | 7584.3 | 7705.2 | 7826.3 | 8001.7 | 8177.0 | 6475.8 | 4774.2 | 3391.4 |
| 62.5° | 11095.0 | 10214.1 | 9374.7 | 8535.3 | 8544.2 | 8553.1 | 8239.7 | 7926.3 | 6085.4 | 4244.6 | 2943.2 |
| 65° | *11714.4* | *10796.6* | *9782.2* | *8767.5* | *8424.0* | *8080.1* | *7580.3* | *7080.5* | *5248.8* | *3417.2* | *2308.7* |
| 67.5° | 11059.3 | 10017.8 | 8874.3 | 7731.0 | 7449.6 | 7168.1 | 6727.4 | 6286.9 | 4507.9 | 2728.8 | 1796.6 |
| 70° | 9671.5 | 8847.5 | 7876.5 | 6905.1 | 6704.0 | 6502.8 | 6015.0 | 5527.2 | 3829.7 | 2132.1 | 1376.7 |
| 72.5° | 7927.8 | 7488.9 | 6782.1 | 6075.3 | 5990.1 | 5904.9 | 5324.5 | 4744.4 | 3180.1 | 1615.4 | 1035.0 |
| 75° | 5859.7 | 5748.0 | 5527.5 | 5307.3 | 5250.4 | 5193.5 | 4539.2 | 3884.7 | 2539.1 | 1193.4 | 767.1 |
| 77.5° | 4258.4 | 4266.1 | 4119.1 | 3972.4 | 3844.7 | 3717.1 | 3150.2 | 2583.7 | 1665.8 | 748.0 | 495.8 |
| 80° | 2768.2 | 2655.9 | 2546.1 | 2436.0 | 2419.4 | 2402.8 | 1959.6 | 1516.4 | 955.0 | 393.7 | 274.1 |
| 82.5° | 1486.2 | 1454.8 | 1387.5 | 1320.1 | 1282.6 | 1245.1 | 1001.5 | 758.2 | 478.6 | 199.3 | 147.3 |
| 85° | 554.9 | 562.9 | 492.1 | 421.4 | 360.2 | 299.0 | 235.6 | 172.2 | 113.8 | 55.4 | 46.8 |
| 87.5° | 16.9 | 16.0 | 15.7 | 15.4 | 15.1 | 14.8 | 14.1 | 13.8 | 13.5 | 12.9 | 12.6 |
| 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: GSS-SB3A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 2092.2 | 2074.3 | 2056.2 | 2038.9 | 2021.4 | 2003.9 | 1988.5 | 1971.9 | 1955.6 | 1942.7 | 1930.1 |
| 5° | 2173.0 | 2137.7 | 2102.3 | 2068.8 | 2035.6 | 2000.8 | 1971.0 | 1941.4 | 1912.5 | 1888.5 | 1864.5 |
| 7.5° | 2236.7 | 2187.5 | 2138.3 | 2094.3 | 2050.0 | 2003.9 | 1967.9 | 1931.9 | 1896.2 | 1865.2 | 1833.8 |
| 10° | 2280.7 | 2220.1 | 2159.2 | 2108.5 | 2057.7 | 2008.5 | 1970.0 | 1932.2 | 1894.7 | 1862.7 | 1830.7 |
| 12.5° | 2313.0 | 2245.0 | 2177.0 | 2121.1 | 2065.4 | 2011.6 | 1974.0 | 1942.7 | 1911.6 | 1889.1 | 1867.0 |
| 15° | 2332.1 | 2258.9 | 2185.3 | 2122.3 | 2059.2 | 1999.3 | 1966.0 | 1945.7 | 1925.4 | 1923.6 | 1921.8 |
| 17.5° | 2337.0 | 2253.3 | 2170.0 | 2096.5 | 2023.3 | 1953.1 | 1924.8 | 1922.1 | 1919.3 | 1949.7 | 1980.2 |
| 20° | 2343.1 | 2245.0 | 2146.9 | 2050.3 | 1953.7 | 1860.9 | 1843.0 | 1860.5 | 1877.8 | 1937.4 | 1996.8 |
| 22.5° | 2358.5 | 2238.6 | 2118.6 | 1997.4 | 1876.2 | 1765.5 | 1748.6 | 1774.4 | 1800.0 | 1877.8 | 1955.6 |
| 25° | 2390.5 | 2237.9 | 2085.4 | 1934.4 | 1783.3 | 1656.3 | 1654.8 | 1682.8 | 1710.8 | 1782.7 | 1854.7 |
| 27.5° | 2437.6 | 2243.8 | 2050.0 | 1869.8 | 1689.2 | 1559.4 | 1567.1 | 1593.9 | 1620.9 | 1674.5 | 1728.0 |
| 30° | 2492.9 | 2256.4 | 2020.2 | 1813.5 | 1607.1 | 1481.0 | 1489.3 | 1510.2 | 1531.1 | 1569.9 | 1608.6 |
| 32.5° | 2552.9 | 2270.5 | 1988.5 | 1764.3 | 1540.4 | 1424.1 | 1424.1 | 1433.0 | 1441.9 | 1467.2 | 1492.4 |
| 35° | 2598.4 | 2267.2 | 1936.2 | 1708.3 | 1480.1 | 1390.3 | 1371.2 | 1363.8 | 1356.4 | 1373.0 | 1389.6 |
| 37.5° | 2643.6 | 2257.6 | 1871.6 | 1646.2 | 1421.0 | 1350.3 | 1314.0 | 1294.3 | 1274.0 | 1282.0 | 1289.4 |
| 40° | 2682.1 | 2236.1 | 1790.1 | 1572.0 | 1354.0 | 1298.0 | 1252.5 | 1222.9 | 1193.4 | 1192.8 | 1191.9 |
| 42.5° | 2710.4 | 2198.9 | 1687.1 | 1483.8 | 1280.1 | 1241.1 | 1184.8 | 1147.3 | 1109.7 | 1105.7 | 1101.7 |
| 45° | 2765.7 | 2173.4 | 1581.0 | 1393.9 | 1207.2 | 1171.9 | 1115.9 | 1077.1 | 1039.0 | 1032.8 | 1026.7 |
| 47.5° | 2808.2 | 2143.5 | 1478.8 | 1304.7 | 1131.3 | 1090.4 | 1038.1 | 1005.2 | 971.9 | 968.3 | 964.3 |
| 50° | 2802.7 | 2092.8 | 1382.6 | 1225.4 | 1067.9 | 1011.9 | 960.3 | 933.2 | 905.8 | 910.4 | 915.0 |
| 52.5° | 2692.9 | 1988.8 | 1285.1 | 1154.0 | 1023.6 | 952.0 | 896.6 | 876.3 | 855.7 | 870.1 | 884.3 |
| 55° | 2507.4 | 1851.0 | 1194.0 | 1094.4 | 994.1 | 922.7 | 857.5 | 834.8 | 812.0 | 832.3 | 852.6 |
| 57.5° | 2300.7 | 1706.8 | 1112.8 | 1043.9 | 975.0 | 915.0 | 835.1 | 803.1 | 771.4 | 791.7 | 812.0 |
| 60° | 2008.5 | 1524.4 | 1040.2 | 991.9 | 943.7 | 896.6 | 816.6 | 776.6 | 736.7 | 750.2 | 763.4 |
| 62.5° | 1641.9 | 1293.1 | 944.3 | 917.2 | 890.4 | 870.4 | 794.2 | 741.9 | 689.6 | 691.4 | 692.7 |
| 65° | *1200.2* | *1016.2* | *832.0* | *826.2* | *820.6* | *815.1* | *752.0* | *695.7* | *639.8* | *633.6* | *627.5* |
| 67.5° | 864.3 | 776.9 | 689.6 | 705.9 | 722.2 | 730.5 | 687.4 | 637.9 | 588.1 | 575.5 | 562.9 |
| 70° | 621.3 | 590.6 | 559.8 | 584.1 | 608.4 | 605.9 | 585.0 | 555.5 | 526.0 | 518.0 | 510.0 |
| 72.5° | 454.6 | 454.0 | 453.7 | 472.1 | 490.6 | 466.0 | 479.2 | 472.4 | 466.0 | 460.1 | 454.6 |
| 75° | 340.8 | 338.6 | 336.8 | 358.6 | 380.8 | 390.6 | 399.2 | 395.5 | 392.2 | 387.9 | 383.9 |
| 77.5° | 243.6 | 245.4 | 246.7 | 270.7 | 294.7 | 323.0 | 324.5 | 316.5 | 308.2 | 303.9 | 299.0 |
| 80° | 154.4 | 156.2 | 157.5 | 182.7 | 207.6 | 247.6 | 246.1 | 236.2 | 226.1 | 222.7 | 219.0 |
| 82.5° | 95.3 | 95.7 | 96.0 | 108.3 | 120.6 | 143.0 | 149.2 | 149.2 | 149.2 | 147.0 | 144.6 |
| 85° | 38.4 | 40.3 | 42.4 | 50.4 | 58.4 | 70.7 | 74.4 | 75.0 | 75.4 | 72.0 | 68.3 |
| 87.5° | 12.3 | 12.9 | 13.8 | 15.4 | 16.9 | 18.5 | 21.5 | 23.4 | 25.2 | 27.1 | 28.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 1919.0 | 1907.6 | 1894.4 | 1880.8 | 1871.3 | 1861.5 | 1855.0 | 1848.5 | 1845.5 | 1842.4 | 1839.9 |
| 5° | 1844.9 | 1824.6 | 1806.7 | 1788.6 | 1774.4 | 1760.0 | 1748.3 | 1736.3 | 1731.4 | 1726.1 | 1722.7 |
| 7.5° | 1807.3 | 1780.9 | 1758.7 | 1736.3 | 1715.1 | 1694.1 | 1680.6 | 1667.1 | 1659.1 | 1651.1 | 1645.2 |
| 10° | 1802.7 | 1774.7 | 1745.5 | 1716.3 | 1692.9 | 1669.5 | 1649.2 | 1629.6 | 1618.2 | 1607.1 | 1600.9 |
| 12.5° | 1841.2 | 1815.3 | 1780.6 | 1745.5 | 1713.8 | 1682.5 | 1657.5 | 1632.6 | 1618.5 | 1604.9 | 1595.7 |
| 15° | 1912.8 | 1903.9 | 1871.6 | 1839.3 | 1795.6 | 1751.7 | 1716.0 | 1680.0 | 1660.3 | 1640.0 | 1628.6 |
| 17.5° | 1997.7 | 2015.3 | 1992.8 | 1970.0 | 1908.5 | 1847.0 | 1793.8 | 1740.9 | 1712.0 | 1683.1 | 1672.9 |
| 20° | 2044.2 | 2091.5 | 2089.1 | 2086.9 | 2006.6 | 1926.1 | 1856.2 | 1786.4 | 1747.7 | 1709.5 | 1694.1 |
| 22.5° | 2023.9 | 2092.2 | 2109.7 | 2126.9 | 2048.2 | 1969.1 | 1883.0 | 1796.9 | 1751.4 | 1705.5 | 1691.1 |
| 25° | 1928.2 | 2001.7 | 2034.3 | 2066.9 | 2002.0 | 1937.1 | 1853.5 | 1770.1 | 1722.1 | 1673.8 | 1659.1 |
| 27.5° | 1787.0 | 1846.1 | 1882.7 | 1919.3 | 1879.6 | 1839.9 | 1772.3 | 1704.6 | 1662.2 | 1619.4 | 1603.7 |
| 30° | 1648.6 | 1688.6 | 1717.8 | 1747.0 | 1720.9 | 1694.8 | 1646.2 | 1597.9 | 1566.2 | 1534.8 | 1525.0 |
| 32.5° | 1522.2 | 1551.7 | 1568.0 | 1584.0 | 1563.7 | 1543.4 | 1511.4 | 1479.5 | 1459.8 | 1440.1 | 1433.6 |
| 35° | 1413.6 | 1437.9 | 1450.2 | 1462.5 | 1445.6 | 1428.7 | 1400.1 | 1371.8 | 1357.7 | 1343.5 | 1338.3 |
| 37.5° | 1310.0 | 1330.3 | 1347.8 | 1365.6 | 1353.3 | 1341.0 | 1316.7 | 1292.4 | 1275.8 | 1258.6 | 1249.4 |
| 40° | 1211.6 | 1230.9 | 1253.1 | 1274.9 | 1272.8 | 1270.3 | 1247.2 | 1224.2 | 1200.2 | 1176.5 | 1163.9 |
| 42.5° | 1121.1 | 1140.5 | 1163.9 | 1187.3 | 1191.9 | 1196.5 | 1177.4 | 1158.0 | 1130.4 | 1102.7 | 1083.3 |
| 45° | 1043.3 | 1060.5 | 1086.1 | 1111.9 | 1122.7 | 1133.4 | 1116.2 | 1098.7 | 1067.6 | 1036.5 | 1013.5 |
| 47.5° | 981.8 | 999.6 | 1027.9 | 1056.5 | 1067.9 | 1079.6 | 1067.9 | 1056.5 | 1029.8 | 1002.7 | 982.4 |
| 50° | 934.4 | 953.5 | 975.6 | 998.1 | 1019.3 | 1040.2 | 1038.1 | 1035.9 | 1014.7 | 993.5 | 974.4 |
| 52.5° | 901.8 | 919.7 | 942.7 | 965.8 | 987.9 | 1010.4 | 1013.8 | 1017.5 | 1002.1 | 986.7 | 970.1 |
| 55° | 873.8 | 895.1 | 916.6 | 938.1 | 959.0 | 979.6 | 984.3 | 988.9 | 977.8 | 966.4 | 954.1 |
| 57.5° | 835.1 | 858.1 | 879.7 | 901.2 | 925.5 | 949.8 | 953.5 | 957.2 | 945.5 | 933.5 | 924.3 |
| 60° | 787.1 | 810.5 | 832.9 | 855.1 | 879.7 | 904.3 | 909.2 | 914.1 | 904.9 | 895.7 | 887.1 |
| 62.5° | 719.4 | 745.9 | 764.3 | 782.8 | 806.2 | 829.8 | 836.9 | 844.3 | 840.0 | 836.0 | 826.2 |
| 65° | *652.7* | *678.2* | *692.7* | *707.4* | *727.7* | *748.0* | *755.1* | *762.2* | *760.0* | *758.2* | *751.1* |
| 67.5° | 586.2 | 609.6 | 621.6 | 633.6 | 647.5 | 661.3 | 669.3 | 677.3 | 673.3 | 669.0 | 661.6 |
| 70° | 529.0 | 548.1 | 558.6 | 569.0 | 580.1 | 591.2 | 595.5 | 599.8 | 593.6 | 587.5 | 570.9 |
| 72.5° | 469.1 | 483.5 | 492.4 | 501.4 | 511.8 | 522.3 | 524.7 | 527.5 | 518.0 | 508.1 | 488.7 |
| 75° | 394.9 | 406.0 | 412.8 | 419.8 | 430.6 | 441.4 | 446.0 | 450.6 | 437.1 | 423.8 | 403.2 |
| 77.5° | 309.1 | 319.3 | 325.7 | 332.2 | 341.1 | 350.0 | 351.3 | 353.1 | 341.4 | 329.7 | 317.4 |
| 80° | 226.4 | 233.8 | 236.2 | 238.4 | 245.8 | 252.8 | 252.8 | 252.8 | 244.2 | 235.3 | 229.1 |
| 82.5° | 143.0 | 141.5 | 138.4 | 135.3 | 142.7 | 150.1 | 152.6 | 155.3 | 151.3 | 147.6 | 140.9 |
| 85° | 64.0 | 59.1 | 58.1 | 56.9 | 56.6 | 56.0 | 58.1 | 60.0 | 59.1 | 58.4 | 56.0 |
| 87.5° | 30.1 | 31.4 | 30.5 | 29.2 | 28.0 | 27.1 | 24.6 | 22.1 | 20.3 | 18.5 | 17.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365015
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 1837.8 | 1836.2 | 1837.8 | 1839.9 | 1842.4 | 1845.5 | 1848.5 | 1855.0 | 1861.5 | 1871.3 | 1880.8 |
| 5° | 1719.4 | 1716.3 | 1719.4 | 1722.7 | 1726.1 | 1731.4 | 1736.3 | 1748.3 | 1760.0 | 1774.4 | 1788.6 |
| 7.5° | 1639.4 | 1636.3 | 1639.4 | 1645.2 | 1651.1 | 1659.1 | 1667.1 | 1680.6 | 1694.1 | 1715.1 | 1736.3 |
| 10° | 1594.8 | 1590.2 | 1594.8 | 1600.9 | 1607.1 | 1618.2 | 1629.6 | 1649.2 | 1669.5 | 1692.9 | 1716.3 |
| 12.5° | 1586.5 | 1581.0 | 1586.5 | 1595.7 | 1604.9 | 1618.5 | 1632.6 | 1657.5 | 1682.5 | 1713.8 | 1745.5 |
| 15° | 1617.2 | 1608.6 | 1617.2 | 1628.6 | 1640.0 | 1660.3 | 1680.0 | 1716.0 | 1751.7 | 1795.6 | 1839.3 |
| 17.5° | 1662.5 | 1657.8 | 1662.5 | 1672.9 | 1683.1 | 1712.0 | 1740.9 | 1793.8 | 1847.0 | 1908.5 | 1970.0 |
| 20° | 1678.8 | 1673.2 | 1678.8 | 1694.1 | 1709.5 | 1747.7 | 1786.4 | 1856.2 | 1926.1 | 2006.6 | 2086.9 |
| 22.5° | 1676.3 | 1670.2 | 1676.3 | 1691.1 | 1705.5 | 1751.4 | 1796.9 | 1883.0 | 1969.1 | 2048.2 | 2126.9 |
| 25° | 1644.0 | 1639.4 | 1644.0 | 1659.1 | 1673.8 | 1722.1 | 1770.1 | 1853.5 | 1937.1 | 2002.0 | 2066.9 |
| 27.5° | 1587.7 | 1577.9 | 1587.7 | 1603.7 | 1619.4 | 1662.2 | 1704.6 | 1772.3 | 1839.9 | 1879.6 | 1919.3 |
| 30° | 1514.8 | 1510.2 | 1514.8 | 1525.0 | 1534.8 | 1566.2 | 1597.9 | 1646.2 | 1694.8 | 1720.9 | 1747.0 |
| 32.5° | 1427.2 | 1424.1 | 1427.2 | 1433.6 | 1440.1 | 1459.8 | 1479.5 | 1511.4 | 1543.4 | 1563.7 | 1584.0 |
| 35° | 1333.4 | 1328.7 | 1333.4 | 1338.3 | 1343.5 | 1357.7 | 1371.8 | 1400.1 | 1428.7 | 1445.6 | 1462.5 |
| 37.5° | 1240.2 | 1233.4 | 1240.2 | 1249.4 | 1258.6 | 1275.8 | 1292.4 | 1316.7 | 1341.0 | 1353.3 | 1365.6 |
| 40° | 1151.0 | 1144.2 | 1151.0 | 1163.9 | 1176.5 | 1200.2 | 1224.2 | 1247.2 | 1270.3 | 1272.8 | 1274.9 |
| 42.5° | 1064.2 | 1051.9 | 1064.2 | 1083.3 | 1102.7 | 1130.4 | 1158.0 | 1177.4 | 1196.5 | 1191.9 | 1187.3 |
| 45° | 990.4 | 975.0 | 990.4 | 1013.5 | 1036.5 | 1067.6 | 1098.7 | 1116.2 | 1133.4 | 1122.7 | 1111.9 |
| 47.5° | 962.1 | 947.3 | 962.1 | 982.4 | 1002.7 | 1029.8 | 1056.5 | 1067.9 | 1079.6 | 1067.9 | 1056.5 |
| 50° | 955.0 | 941.2 | 955.0 | 974.4 | 993.5 | 1014.7 | 1035.9 | 1038.1 | 1040.2 | 1019.3 | 998.1 |
| 52.5° | 953.5 | 941.2 | 953.5 | 970.1 | 986.7 | 1002.1 | 1017.5 | 1013.8 | 1010.4 | 987.9 | 965.8 |
| 55° | 941.8 | 932.0 | 941.8 | 954.1 | 966.4 | 977.8 | 988.9 | 984.3 | 979.6 | 959.0 | 938.1 |
| 57.5° | 915.0 | 910.4 | 915.0 | 924.3 | 933.5 | 945.5 | 957.2 | 953.5 | 949.8 | 925.5 | 901.2 |
| 60° | 878.1 | 870.4 | 878.1 | 887.1 | 895.7 | 904.9 | 914.1 | 909.2 | 904.3 | 879.7 | 855.1 |
| 62.5° | 816.6 | 805.9 | 816.6 | 826.2 | 836.0 | 840.0 | 844.3 | 836.9 | 829.8 | 806.2 | 782.8 |
| 65° | *744.3* | *732.0* | *744.3* | *751.1* | *758.2* | *760.0* | *762.2* | *755.1* | *748.0* | *727.7* | *707.4* |
| 67.5° | 654.5 | 652.1 | 654.5 | 661.6 | 669.0 | 673.3 | 677.3 | 669.3 | 661.3 | 647.5 | 633.6 |
| 70° | 554.3 | 535.2 | 554.3 | 570.9 | 587.5 | 593.6 | 599.8 | 595.5 | 591.2 | 580.1 | 569.0 |
| 72.5° | 469.1 | 449.1 | 469.1 | 488.7 | 508.1 | 518.0 | 527.5 | 524.7 | 522.3 | 511.8 | 501.4 |
| 75° | 382.9 | 369.1 | 382.9 | 403.2 | 423.8 | 437.1 | 450.6 | 446.0 | 441.4 | 430.6 | 419.8 |
| 77.5° | 305.1 | 298.4 | 305.1 | 317.4 | 329.7 | 341.4 | 353.1 | 351.3 | 350.0 | 341.1 | 332.2 |
| 80° | 223.0 | 218.4 | 223.0 | 229.1 | 235.3 | 244.2 | 252.8 | 252.8 | 252.8 | 245.8 | 238.4 |
| 82.5° | 133.8 | 129.2 | 133.8 | 140.9 | 147.6 | 151.3 | 155.3 | 152.6 | 150.1 | 142.7 | 135.3 |
| 85° | 53.8 | 52.3 | 53.8 | 56.0 | 58.4 | 59.1 | 60.0 | 58.1 | 56.0 | 56.6 | 56.9 |
| 87.5° | 16.0 | 15.4 | 16.0 | 17.2 | 18.5 | 20.3 | 22.1 | 24.6 | 27.1 | 28.0 | 29.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 1894.4 | 1907.6 | 1919.0 | 1930.1 | 1942.7 | 1955.6 | 1971.9 | 1988.5 | 2003.9 | 2021.4 | 2038.9 |
| 5° | 1806.7 | 1824.6 | 1844.9 | 1864.5 | 1888.5 | 1912.5 | 1941.4 | 1971.0 | 2000.8 | 2035.6 | 2068.8 |
| 7.5° | 1758.7 | 1780.9 | 1807.3 | 1833.8 | 1865.2 | 1896.2 | 1931.9 | 1967.9 | 2003.9 | 2050.0 | 2094.3 |
| 10° | 1745.5 | 1774.7 | 1802.7 | 1830.7 | 1862.7 | 1894.7 | 1932.2 | 1970.0 | 2008.5 | 2057.7 | 2108.5 |
| 12.5° | 1780.6 | 1815.3 | 1841.2 | 1867.0 | 1889.1 | 1911.6 | 1942.7 | 1974.0 | 2011.6 | 2065.4 | 2121.1 |
| 15° | 1871.6 | 1903.9 | 1912.8 | 1921.8 | 1923.6 | 1925.4 | 1945.7 | 1966.0 | 1999.3 | 2059.2 | 2122.3 |
| 17.5° | 1992.8 | 2015.3 | 1997.7 | 1980.2 | 1949.7 | 1919.3 | 1922.1 | 1924.8 | 1953.1 | 2023.3 | 2096.5 |
| 20° | 2089.1 | 2091.5 | 2044.2 | 1996.8 | 1937.4 | 1877.8 | 1860.5 | 1843.0 | 1860.9 | 1953.7 | 2050.3 |
| 22.5° | 2109.7 | 2092.2 | 2023.9 | 1955.6 | 1877.8 | 1800.0 | 1774.4 | 1748.6 | 1765.5 | 1876.2 | 1997.4 |
| 25° | 2034.3 | 2001.7 | 1928.2 | 1854.7 | 1782.7 | 1710.8 | 1682.8 | 1654.8 | 1656.3 | 1783.3 | 1934.4 |
| 27.5° | 1882.7 | 1846.1 | 1787.0 | 1728.0 | 1674.5 | 1620.9 | 1593.9 | 1567.1 | 1559.4 | 1689.2 | 1869.8 |
| 30° | 1717.8 | 1688.6 | 1648.6 | 1608.6 | 1569.9 | 1531.1 | 1510.2 | 1489.3 | 1481.0 | 1607.1 | 1813.5 |
| 32.5° | 1568.0 | 1551.7 | 1522.2 | 1492.4 | 1467.2 | 1441.9 | 1433.0 | 1424.1 | 1424.1 | 1540.4 | 1764.3 |
| 35° | 1450.2 | 1437.9 | 1413.6 | 1389.6 | 1373.0 | 1356.4 | 1363.8 | 1371.2 | 1390.3 | 1480.1 | 1708.3 |
| 37.5° | 1347.8 | 1330.3 | 1310.0 | 1289.4 | 1282.0 | 1274.0 | 1294.3 | 1314.0 | 1350.3 | 1421.0 | 1646.2 |
| 40° | 1253.1 | 1230.9 | 1211.6 | 1191.9 | 1192.8 | 1193.4 | 1222.9 | 1252.5 | 1298.0 | 1354.0 | 1572.0 |
| 42.5° | 1163.9 | 1140.5 | 1121.1 | 1101.7 | 1105.7 | 1109.7 | 1147.3 | 1184.8 | 1241.1 | 1280.1 | 1483.8 |
| 45° | 1086.1 | 1060.5 | 1043.3 | 1026.7 | 1032.8 | 1039.0 | 1077.1 | 1115.9 | 1171.9 | 1207.2 | 1393.9 |
| 47.5° | 1027.9 | 999.6 | 981.8 | 964.3 | 968.3 | 971.9 | 1005.2 | 1038.1 | 1090.4 | 1131.3 | 1304.7 |
| 50° | 975.6 | 953.5 | 934.4 | 915.0 | 910.4 | 905.8 | 933.2 | 960.3 | 1011.9 | 1067.9 | 1225.4 |
| 52.5° | 942.7 | 919.7 | 901.8 | 884.3 | 870.1 | 855.7 | 876.3 | 896.6 | 952.0 | 1023.6 | 1154.0 |
| 55° | 916.6 | 895.1 | 873.8 | 852.6 | 832.3 | 812.0 | 834.8 | 857.5 | 922.7 | 994.1 | 1094.4 |
| 57.5° | 879.7 | 858.1 | 835.1 | 812.0 | 791.7 | 771.4 | 803.1 | 835.1 | 915.0 | 975.0 | 1043.9 |
| 60° | 832.9 | 810.5 | 787.1 | 763.4 | 750.2 | 736.7 | 776.6 | 816.6 | 896.6 | 943.7 | 991.9 |
| 62.5° | 764.3 | 745.9 | 719.4 | 692.7 | 691.4 | 689.6 | 741.9 | 794.2 | 870.4 | 890.4 | 917.2 |
| 65° | *692.7* | *678.2* | *652.7* | *627.5* | *633.6* | *639.8* | *695.7* | *752.0* | *815.1* | *820.6* | *826.2* |
| 67.5° | 621.6 | 609.6 | 586.2 | 562.9 | 575.5 | 588.1 | 637.9 | 687.4 | 730.5 | 722.2 | 705.9 |
| 70° | 558.6 | 548.1 | 529.0 | 510.0 | 518.0 | 526.0 | 555.5 | 585.0 | 605.9 | 608.4 | 584.1 |
| 72.5° | 492.4 | 483.5 | 469.1 | 454.6 | 460.1 | 466.0 | 472.4 | 479.2 | 466.0 | 490.6 | 472.1 |
| 75° | 412.8 | 406.0 | 394.9 | 383.9 | 387.9 | 392.2 | 395.5 | 399.2 | 390.6 | 380.8 | 358.6 |
| 77.5° | 325.7 | 319.3 | 309.1 | 299.0 | 303.9 | 308.2 | 316.5 | 324.5 | 323.0 | 294.7 | 270.7 |
| 80° | 236.2 | 233.8 | 226.4 | 219.0 | 222.7 | 226.1 | 236.2 | 246.1 | 247.6 | 207.6 | 182.7 |
| 82.5° | 138.4 | 141.5 | 143.0 | 144.6 | 147.0 | 149.2 | 149.2 | 149.2 | 143.0 | 120.6 | 108.3 |
| 85° | 58.1 | 59.1 | 64.0 | 68.3 | 72.0 | 75.4 | 75.0 | 74.4 | 70.7 | 58.4 | 50.4 |
| 87.5° | 30.5 | 31.4 | 30.1 | 28.3 | 27.1 | 25.2 | 23.4 | 21.5 | 18.5 | 16.9 | 15.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365015
CATALOG NUMBER: GSS-SB3A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 | 2005.4 |
| 2.5° | 2056.2 | 2074.3 | 2092.2 | 2110.0 | 2127.8 | 2147.2 | 2166.9 |
| 5° | 2102.3 | 2137.7 | 2173.0 | 2209.0 | 2245.3 | 2279.8 | 2314.5 |
| 7.5° | 2138.3 | 2187.5 | 2236.7 | 2291.8 | 2346.8 | 2405.3 | 2463.7 |
| 10° | 2159.2 | 2220.1 | 2280.7 | 2349.3 | 2417.6 | 2487.7 | 2557.5 |
| 12.5° | 2177.0 | 2245.0 | 2313.0 | 2389.6 | 2466.2 | 2535.7 | 2605.2 |
| 15° | 2185.3 | 2258.9 | 2332.1 | 2409.9 | 2487.7 | 2557.8 | 2628.3 |
| 17.5° | 2170.0 | 2253.3 | 2337.0 | 2420.0 | 2503.1 | 2568.6 | 2634.4 |
| 20° | 2146.9 | 2245.0 | 2343.1 | 2432.3 | 2521.5 | 2588.0 | 2654.4 |
| 22.5° | 2118.6 | 2238.6 | 2358.5 | 2456.3 | 2554.4 | 2615.0 | 2675.9 |
| 25° | 2085.4 | 2237.9 | 2390.5 | 2497.5 | 2604.6 | 2657.2 | 2709.8 |
| 27.5° | 2050.0 | 2243.8 | 2437.6 | 2557.8 | 2678.4 | 2718.7 | 2759.0 |
| 30° | 2020.2 | 2256.4 | 2492.9 | 2629.2 | 2765.1 | 2796.5 | 2828.2 |
| 32.5° | 1988.5 | 2270.5 | 2552.9 | 2713.2 | 2873.4 | 2893.1 | 2912.8 |
| 35° | 1936.2 | 2267.2 | 2598.4 | 2802.3 | 3006.6 | 3031.2 | 3055.8 |
| 37.5° | 1871.6 | 2257.6 | 2643.6 | 2911.2 | 3178.8 | 3208.0 | 3237.3 |
| 40° | 1790.1 | 2236.1 | 2682.1 | 3035.8 | 3389.5 | 3447.3 | 3504.9 |
| 42.5° | 1687.1 | 2198.9 | 2710.4 | 3173.6 | 3636.2 | 3758.3 | 3880.1 |
| 45° | 1581.0 | 2173.4 | 2765.7 | 3360.6 | 3955.5 | 4150.8 | 4346.1 |
| 47.5° | 1478.8 | 2143.5 | 2808.2 | 3552.8 | 4297.5 | 4544.8 | 4792.1 |
| 50° | 1382.6 | 2092.8 | 2802.7 | 3720.5 | 4638.3 | 4973.5 | 5308.8 |
| 52.5° | 1285.1 | 1988.8 | 2692.9 | 3799.8 | 4906.5 | 5439.2 | 5971.6 |
| 55° | 1194.0 | 1851.0 | 2507.4 | 3778.9 | 5050.4 | 5907.0 | 6763.7 |
| 57.5° | 1112.8 | 1706.8 | 2300.7 | 3664.8 | 5028.9 | 6299.8 | 7571.1 |
| 60° | 1040.2 | 1524.4 | 2008.5 | 3391.4 | 4774.2 | 6475.8 | 8177.0 |
| 62.5° | 944.3 | 1293.1 | 1641.9 | 2943.2 | 4244.6 | 6085.4 | 7926.3 |
| 65° | *832.0* | *1016.2* | *1200.2* | *2308.7* | *3417.2* | *5248.8* | *7080.5* |
| 67.5° | 689.6 | 776.9 | 864.3 | 1796.6 | 2728.8 | 4507.9 | 6286.9 |
| 70° | 559.8 | 590.6 | 621.3 | 1376.7 | 2132.1 | 3829.7 | 5527.2 |
| 72.5° | 453.7 | 454.0 | 454.6 | 1035.0 | 1615.4 | 3180.1 | 4744.4 |
| 75° | 336.8 | 338.6 | 340.8 | 767.1 | 1193.4 | 2539.1 | 3884.7 |
| 77.5° | 246.7 | 245.4 | 243.6 | 495.8 | 748.0 | 1665.8 | 2583.7 |
| 80° | 157.5 | 156.2 | 154.4 | 274.1 | 393.7 | 955.0 | 1516.4 |
| 82.5° | 96.0 | 95.7 | 95.3 | 147.3 | 199.3 | 478.6 | 758.2 |
| 85° | 42.4 | 40.3 | 38.4 | 46.8 | 55.4 | 113.8 | 172.2 |
| 87.5° | 13.8 | 12.9 | 12.3 | 12.6 | 12.9 | 13.5 | 13.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

# LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

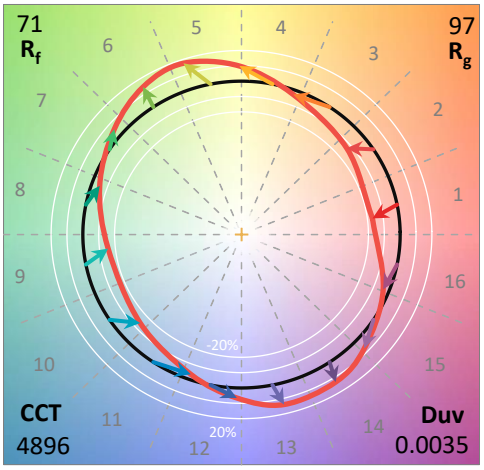
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-6 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-750-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4896 |
| CIE u': | 0.2101 |
| CIE v': | 0.4901 |
| Duv: | 0.0035 |
| CIE x: | 0.3489 |
| CIE y: | 0.3618 |
| CIE z: | 0.2893 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 570 |
| Purity: | 13.25435 |
| Rf: | 70.7 |
| Rg: | 96.8 |

| | |
|---|---|
| CRI (Ra): | 70.2 |
| R1: | 68.1 |
| R2: | 73.9 |
| R3: | 79.4 |
| R4: | 72.1 |
| R5: | 69.2 |
| R6: | 65.7 |
| R7: | 78.1 |
| R8: | 55.3 |
| R9: | -35.1 |
| R10: | 39.3 |
| R11: | 71.1 |
| R12: | 43.8 |
| R13: | 68.1 |
| R14: | 88.4 |
| R15: | 59.7 |



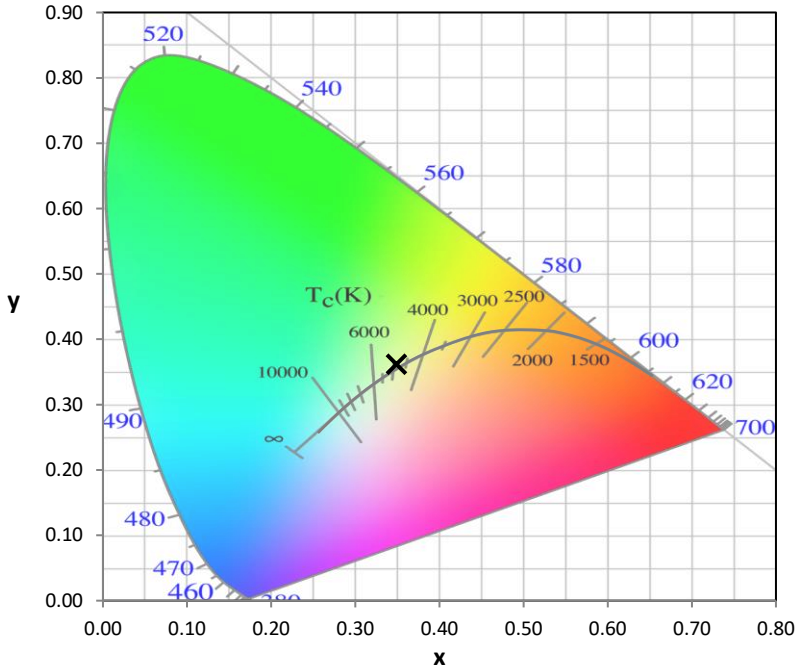

## Test Conditions

| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

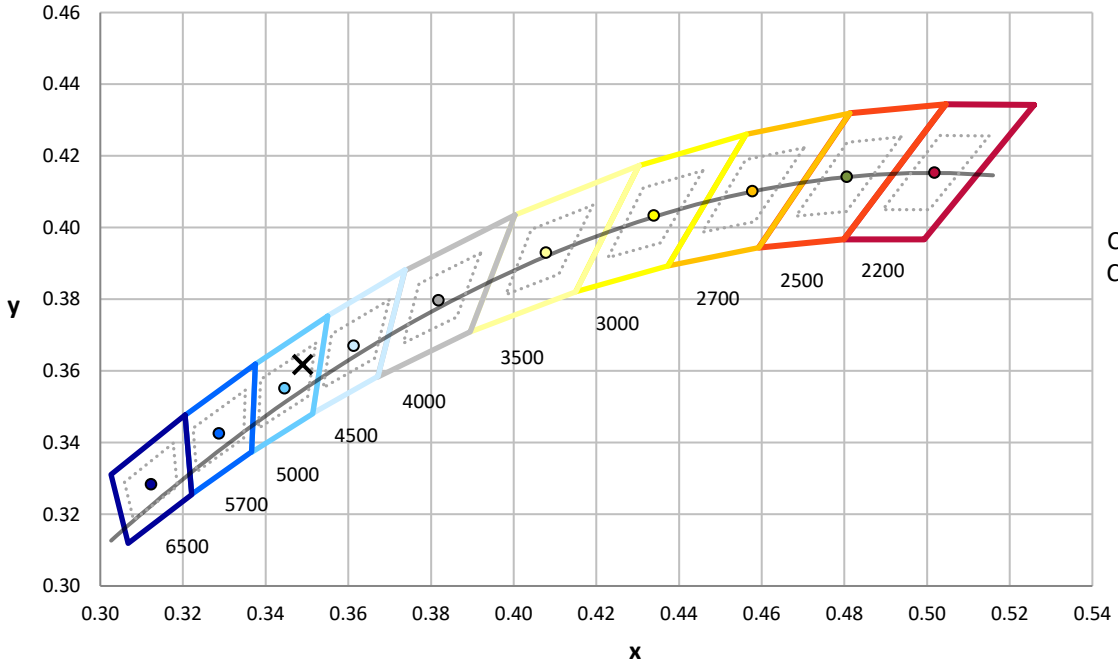
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-6

## CIE 1931 Chromaticity Diagram




## CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

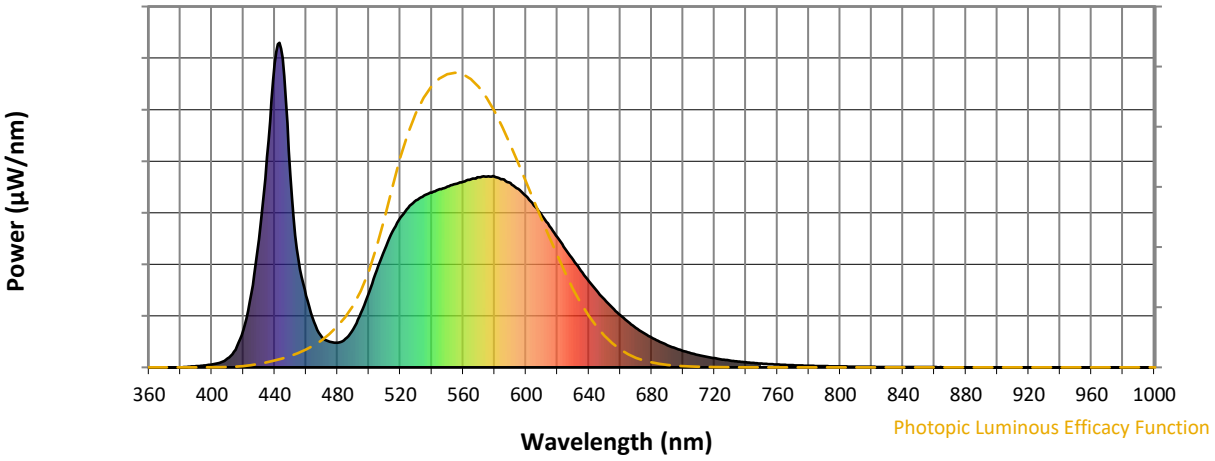



CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

## Photopic Flux vs. Wavelength

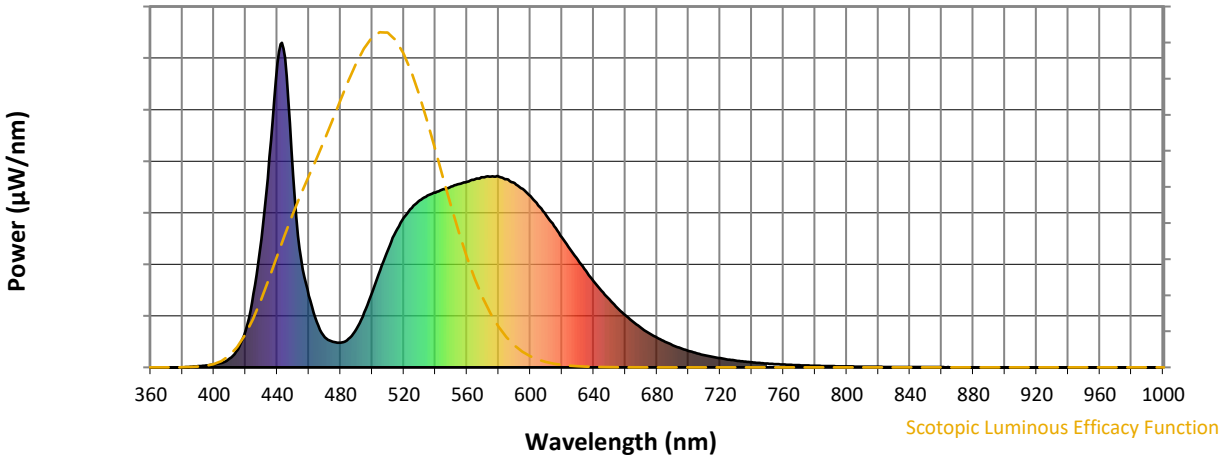



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Scotopic Flux vs. Wavelength

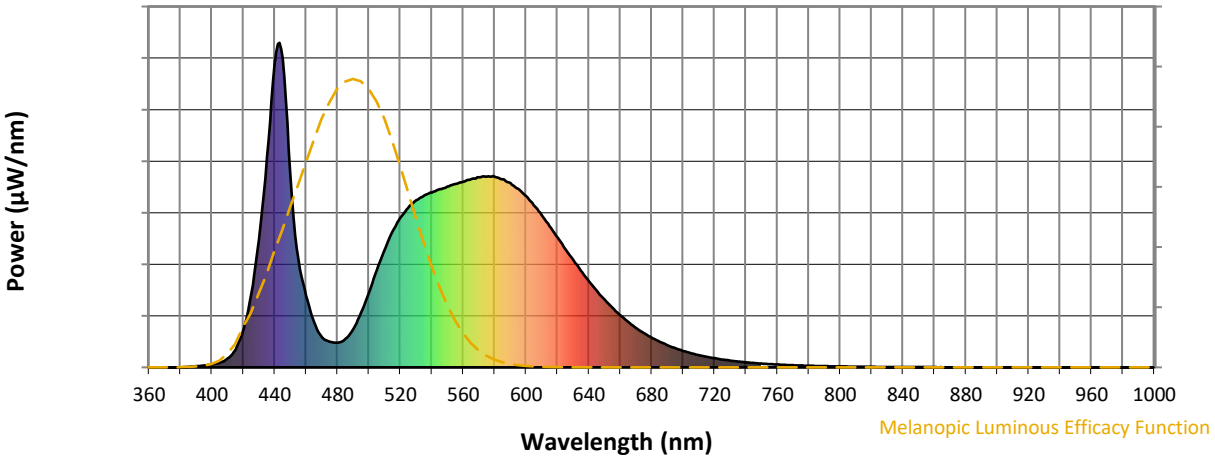



**Scotopic Lumens: NR** **S/P: 1.7**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.37**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

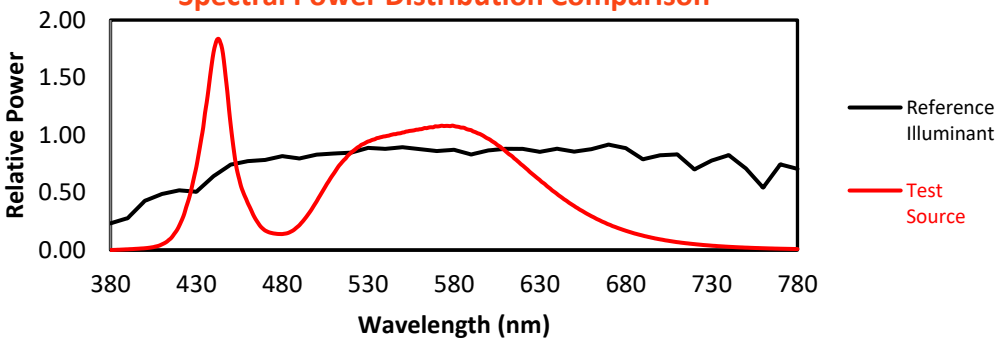
REPORT NUMBER: SP1-2407-184-6

# TM-30-18

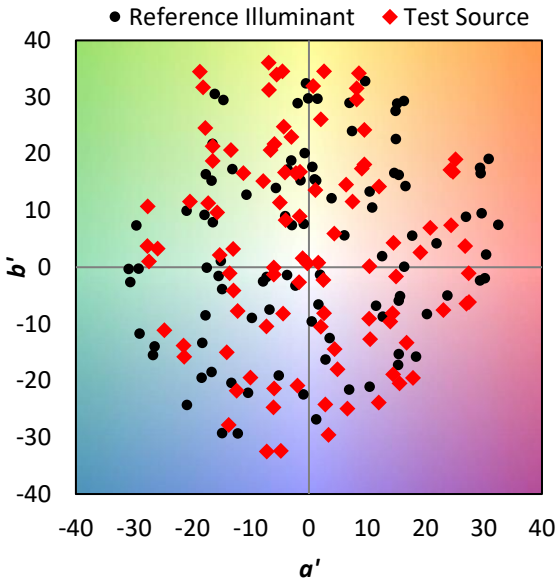
## Summary

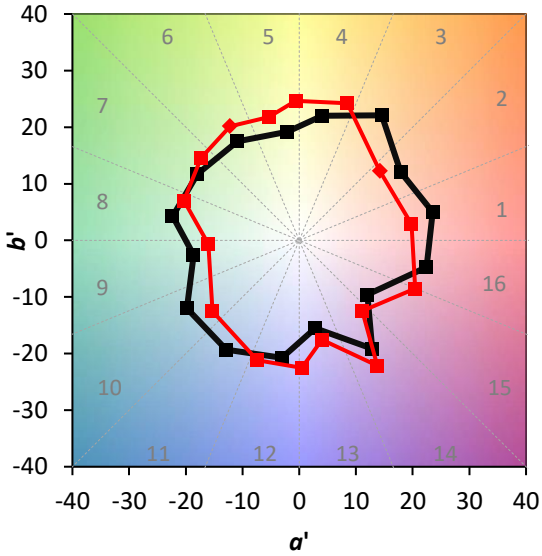
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$R_g$ = 96.8
CIE $R_a$ = 70.2
$R_9$ = -35.1

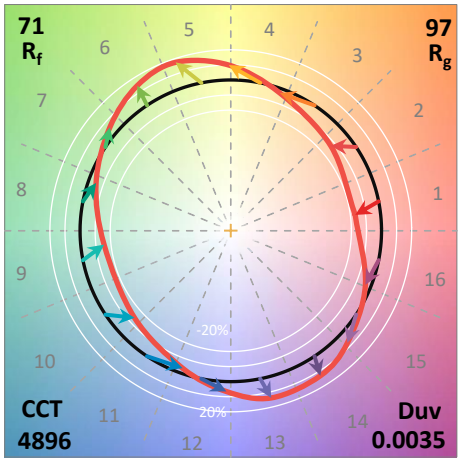
## Spectral Power Distribution Comparison

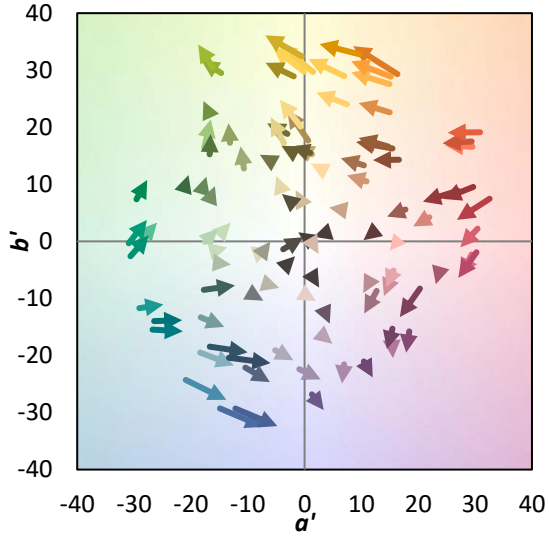



## Color Vector Graphics



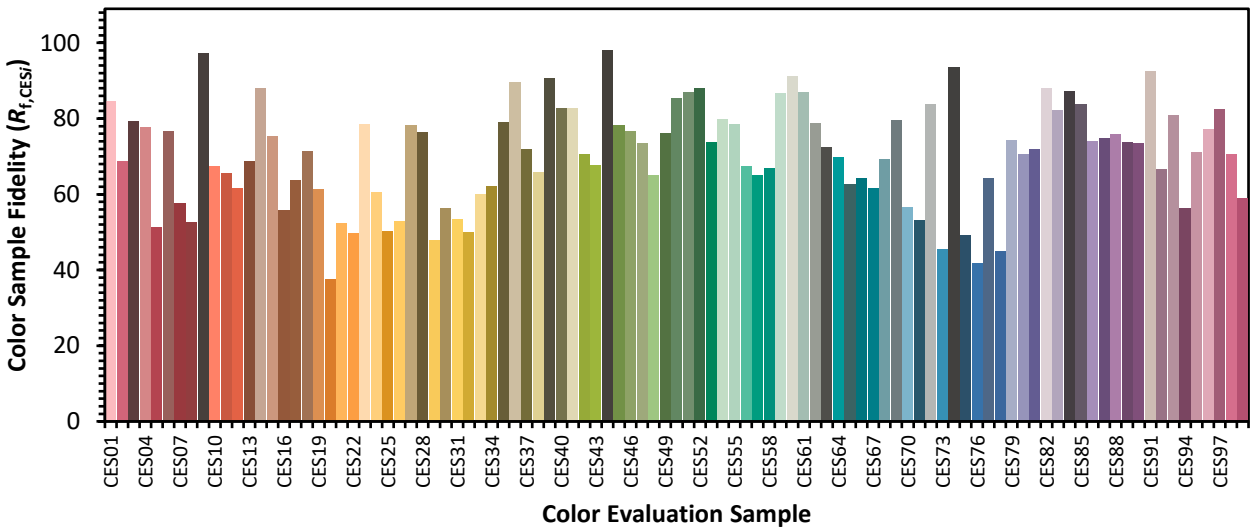



REPORT NUMBER: SP1-2407-184-6

# TM-30-18

**Individual Sample Fidelity Index ($R_{f,i}$)**

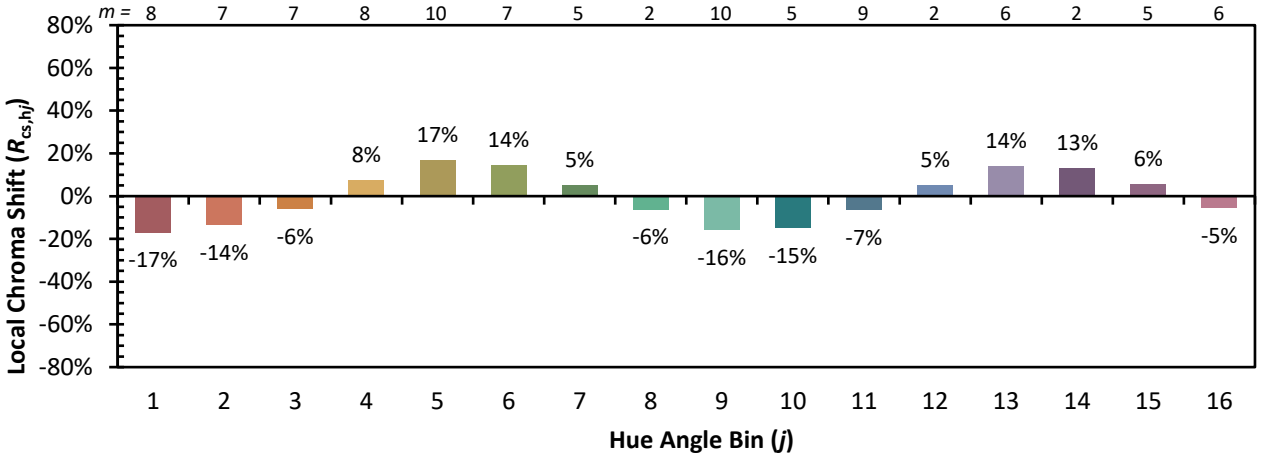
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 53 | CES51 = 87 | CES76 = 42 |
| CES02 = 59 | CES27 = 78 | CES52 = 88 | CES77 = 64 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 45 |
| CES04 = 69 | CES29 = 48 | CES54 = 80 | CES79 = 74 |
| CES05 = 46 | CES30 = 56 | CES55 = 79 | CES80 = 71 |
| CES06 = 50 | CES31 = 54 | CES56 = 68 | CES81 = 72 |
| CES07 = 39 | CES32 = 50 | CES57 = 65 | CES82 = 88 |
| CES08 = 38 | CES33 = 60 | CES58 = 67 | CES83 = 82 |
| CES09 = 29 | CES34 = 62 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 91 | CES85 = 84 |
| CES11 = 56 | CES36 = 90 | CES61 = 87 | CES86 = 74 |
| CES12 = 61 | CES37 = 72 | CES62 = 79 | CES87 = 75 |
| CES13 = 41 | CES38 = 66 | CES63 = 72 | CES88 = 76 |
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| CES15 = 70 | CES40 = 83 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 83 | CES66 = 64 | CES91 = 92 |
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| CES18 = 55 | CES43 = 68 | CES68 = 69 | CES93 = 81 |
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| CES20 = 64 | CES45 = 78 | CES70 = 56 | CES95 = 71 |
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| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 46 | CES98 = 71 |
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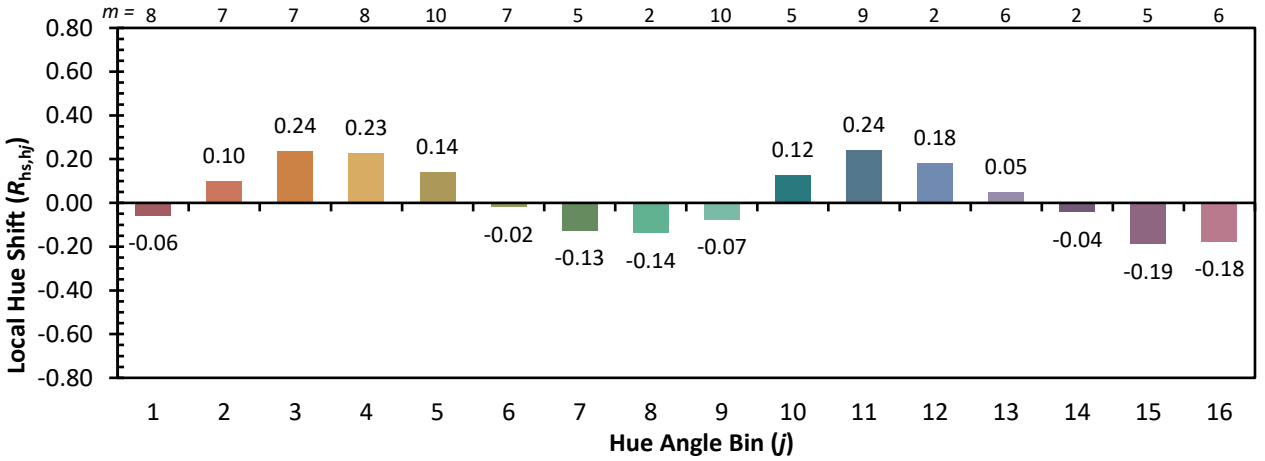


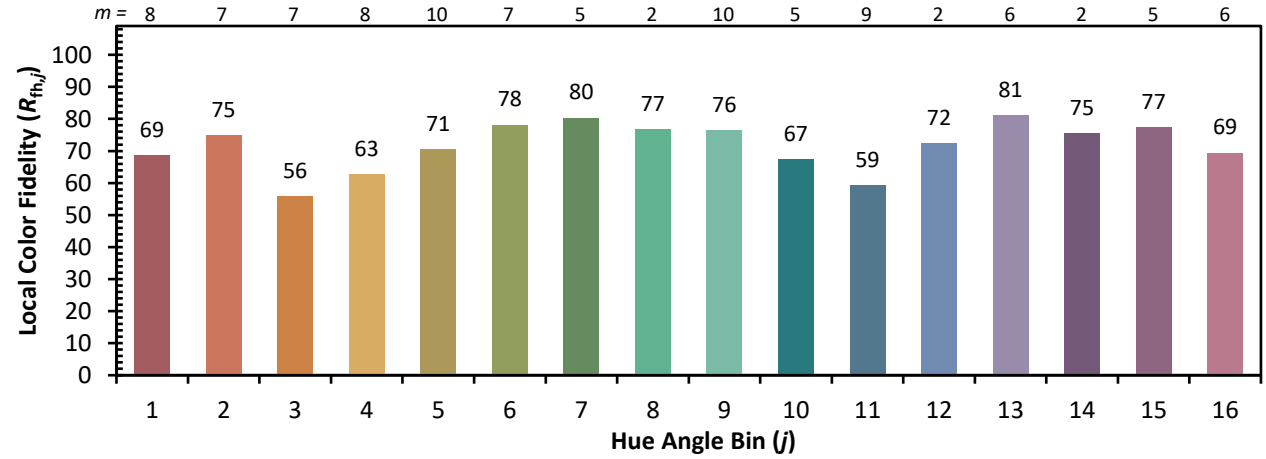
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## Color Rendition by Hue-Angle Bin



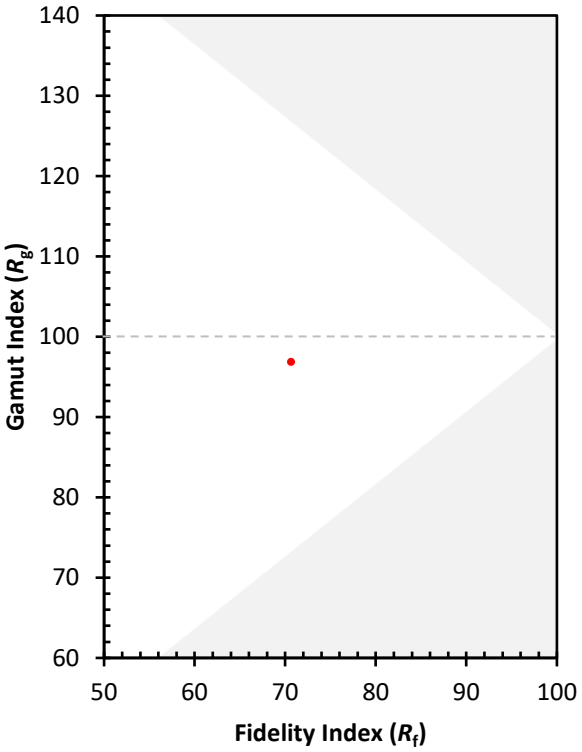



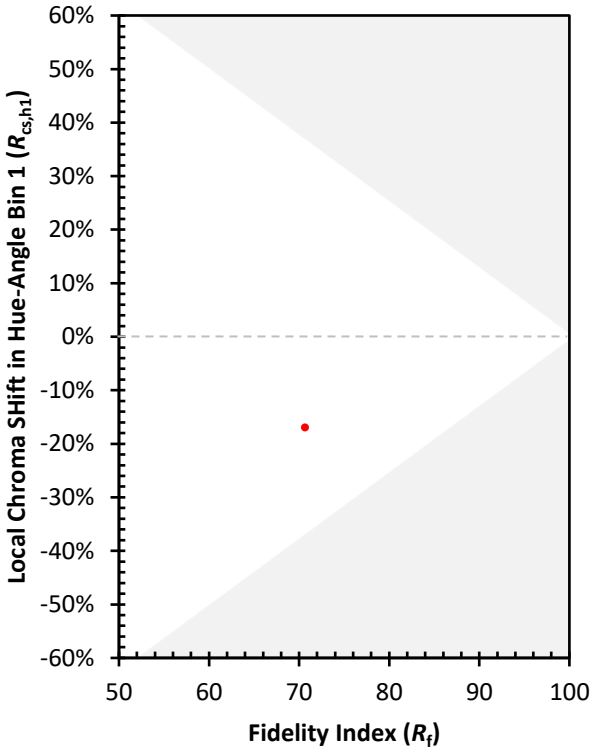



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## Measure Comparisons




(END OF REPORT)