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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501600

Luminaire Tested: GSS-SB3D-850-U-T2LG

Issue Date: 07/20/2026

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501600 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3D-850-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (78) 5000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 27264.3 lumens |
| Efficiency: | N/A |
| Efficacy: | 124.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

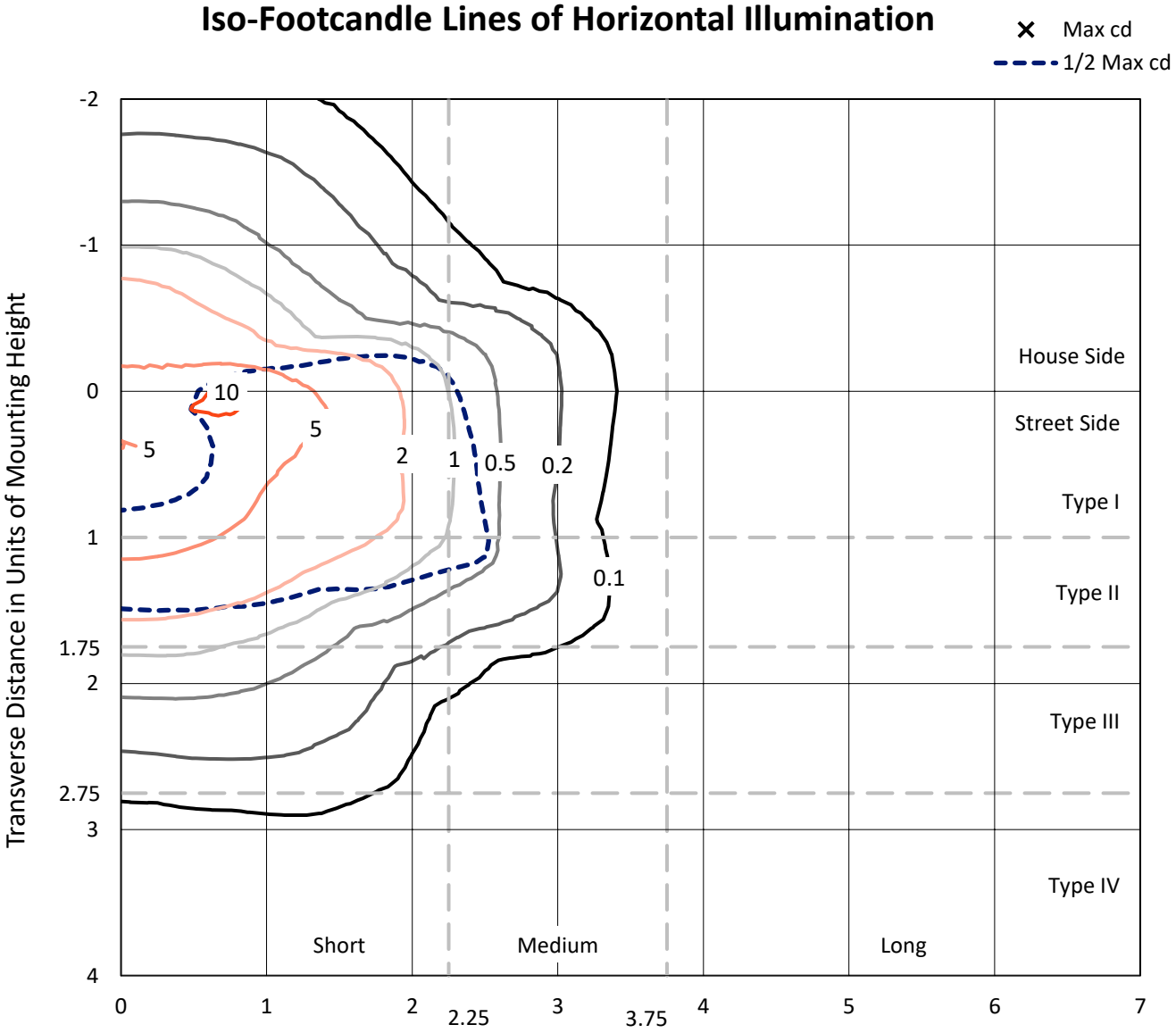
| | |
|---|---|
| Input Watts (W): | 219 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 2.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



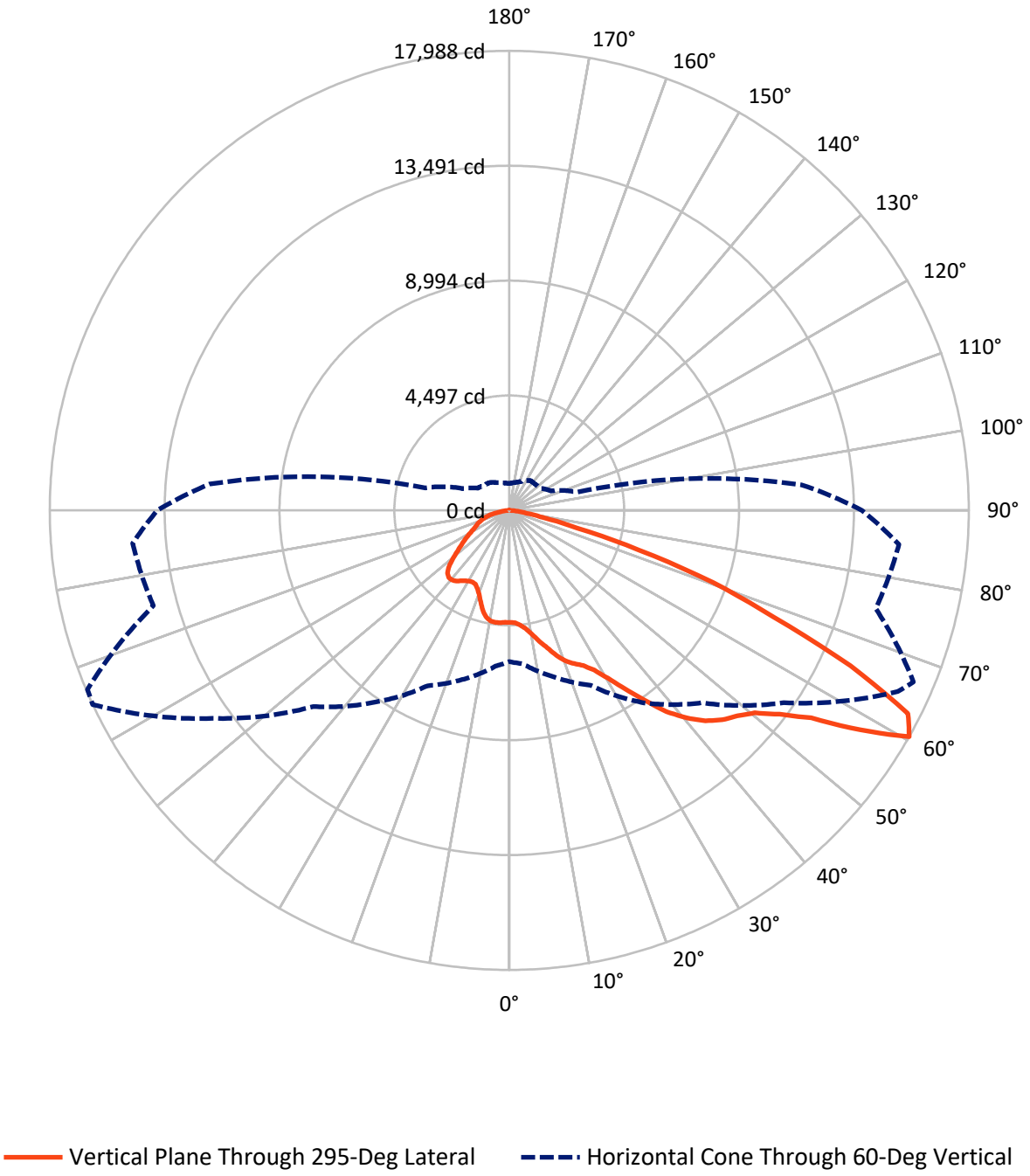

Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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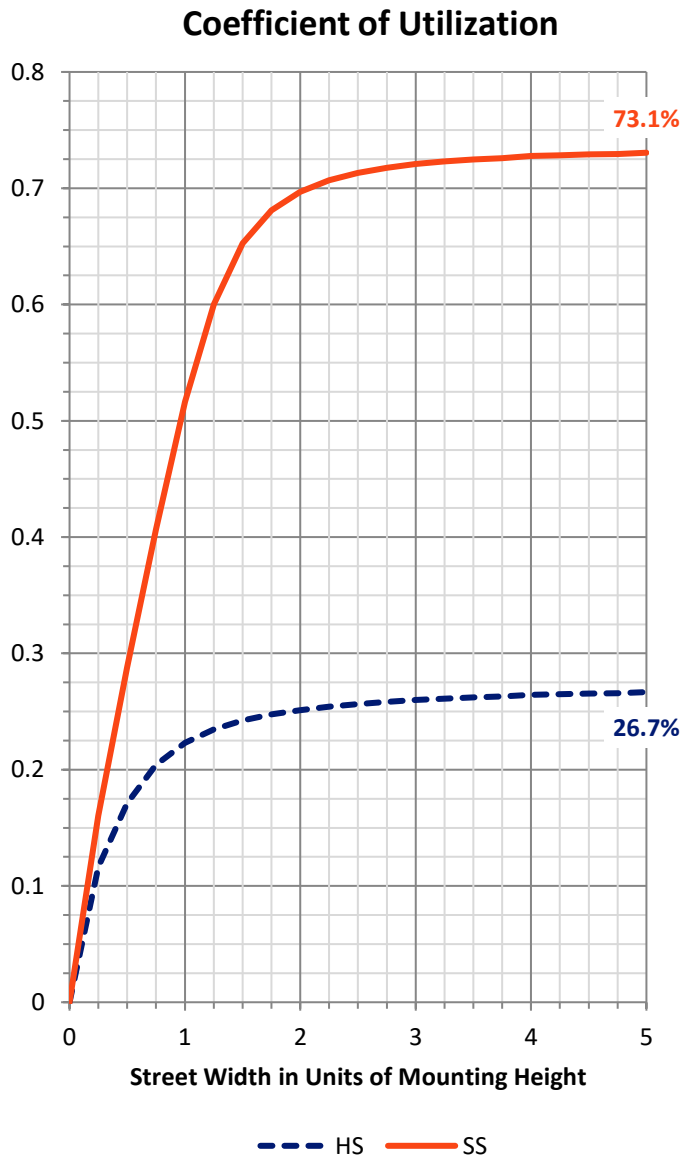
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 7331.7 | 0.0 | 7331.7 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 19932.6 | 0.0 | 19932.6 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 27264.3 | 0.0 | 27264.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 412.5 | 1.5 |
| 10°-20° | 1185.7 | 4.3 |
| 20°-30° | 2245.9 | 8.2 |
| 30°-40° | 3959.3 | 14.5 |
| 40°-50° | 5855.4 | 21.5 |
| 50°-60° | 6875.9 | 25.2 |
| 60°-70° | 4981.9 | 18.3 |
| 70°-80° | 1536.4 | 5.6 |
| 80°-90° | 211.5 | 0.8 |
| 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° | 27264.3 | 100.0 |
| 0°-180° | 27264.3 | 100.0 |



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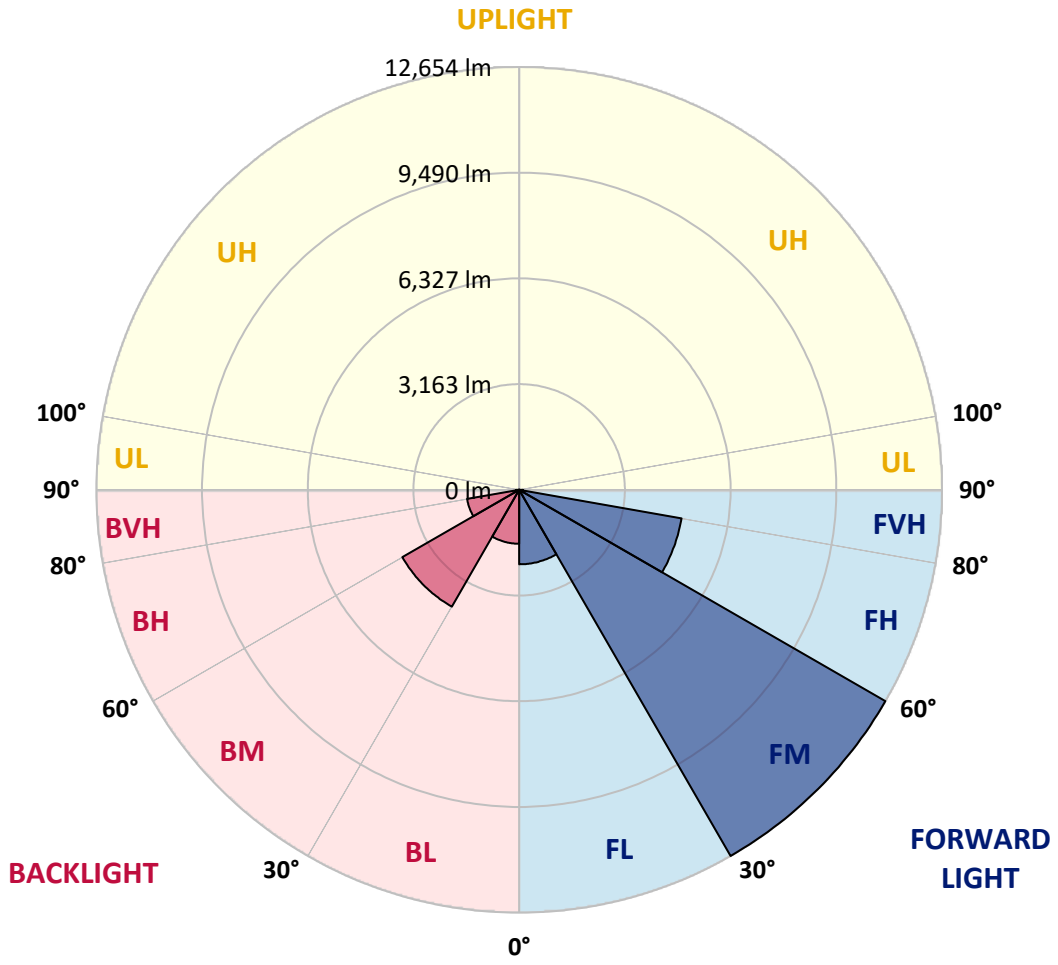
Scaled Data Report

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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2229.3 | 8.2 | | | |
| FM | (30°-60°) | 12653.6 | 46.4 | | | |
| FH | (60°-80°) | 4935.7 | 18.1 | | | G2/5000 |
| FVH | (80°-90°) | 114.1 | 0.4 | | | G2/225 |
| BL | (0°-30°) | 1614.7 | 5.9 | B3/2500 | | |
| BM | (30°-60°) | 4037.1 | 14.8 | B3/5000 | | |
| BH | (60°-80°) | 1582.5 | 5.8 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 97.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G3**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 |
| 2.5° | 4473.7 | 4486.1 | 4467.5 | 4479.9 | 4479.9 | 4461.3 | 4455.1 | 4430.2 | 4442.6 | 4436.4 | 4430.2 |
| 5° | 4579.3 | 4585.5 | 4573.1 | 4591.8 | 4591.8 | 4598.0 | 4591.8 | 4560.7 | 4560.7 | 4560.7 | 4548.3 |
| 7.5° | 4548.3 | 4548.3 | 4554.5 | 4616.6 | 4678.7 | 4759.5 | 4759.5 | 4747.1 | 4759.5 | 4753.3 | 4697.4 |
| 10° | 4287.3 | 4312.1 | 4368.1 | 4523.4 | 4672.5 | 4846.5 | 4964.6 | 5001.8 | 5001.8 | 5008.1 | 4914.9 |
| 12.5° | 3821.3 | 3839.9 | 3970.4 | 4206.5 | 4517.2 | 4834.1 | 5119.9 | 5306.3 | 5324.9 | 5356.0 | 5231.7 |
| 15° | 3405.0 | 3417.4 | 3510.6 | 3752.9 | 4107.1 | 4666.3 | 5206.9 | 5592.1 | 5654.3 | 5784.7 | 5598.3 |
| 17.5° | 3442.3 | 3436.0 | 3460.9 | 3554.1 | 3808.9 | 4392.9 | 5188.2 | 5927.6 | 6039.5 | 6269.4 | 6107.8 |
| 20° | 3665.9 | 3665.9 | 3684.6 | 3703.2 | 3796.4 | 4194.1 | 5051.5 | 6201.0 | 6418.5 | 6865.9 | 6679.5 |
| 22.5° | 4020.1 | 4020.1 | 4013.9 | 4045.0 | 4045.0 | 4281.1 | 5057.8 | 6406.1 | 6729.2 | 7530.7 | 7350.5 |
| 25° | 4511.0 | 4486.1 | 4486.1 | 4498.5 | 4442.6 | 4610.4 | 5213.1 | 6617.3 | 7039.9 | 8319.8 | 8164.5 |
| 27.5° | 5064.0 | 5082.6 | 5070.2 | 5026.7 | 4952.1 | 5082.6 | 5585.9 | 6946.7 | 7387.8 | 9152.4 | 9090.3 |
| 30° | 5666.7 | 5672.9 | 5685.3 | 5660.5 | 5598.3 | 5691.5 | 6170.0 | 7443.7 | 7847.6 | 10022.3 | 10159.0 |
| 32.5° | 6257.0 | 6343.9 | 6312.9 | 6250.7 | 6275.6 | 6443.4 | 6890.7 | 8114.8 | 8531.1 | 10830.1 | 11314.7 |
| 35° | 7008.8 | 7039.9 | 7164.1 | 6934.2 | 6940.4 | 7226.3 | 7810.3 | 8997.1 | 9401.0 | 11668.9 | 12470.4 |
| 37.5° | 8102.4 | 8158.3 | 8102.4 | 7742.0 | 7686.1 | 8083.7 | 8705.1 | 9867.0 | 10159.0 | 12302.7 | 13545.4 |
| 40° | 9177.3 | 9245.6 | 9338.8 | 8916.3 | 8562.2 | 8891.5 | 9550.1 | 10531.8 | 10836.3 | 12650.6 | 14259.9 |
| 42.5° | 10065.8 | 10177.7 | 10078.2 | 9954.0 | 9630.9 | 9693.0 | 10140.4 | 11047.5 | 11352.0 | 13091.8 | 14980.7 |
| 45° | 10817.6 | 10836.3 | 10879.8 | 10792.8 | 10631.2 | 10575.3 | 10643.7 | 11501.1 | 11836.7 | 13290.6 | 15334.8 |
| 47.5° | 11128.3 | 11209.1 | 11246.4 | 11395.5 | 11563.3 | 11451.4 | 11072.4 | 11712.4 | 12016.8 | 13278.2 | 15446.7 |
| 50° | 10960.6 | 11041.3 | 11240.2 | 11594.3 | 11998.2 | 12197.0 | 11575.7 | 12004.4 | 12346.2 | 13501.9 | 15676.6 |
| 52.5° | 10519.4 | 10606.4 | 10929.5 | 11333.4 | 12010.6 | 12464.2 | 12284.0 | 12613.3 | 12942.6 | 13899.5 | 16061.8 |
| 55° | 9450.7 | 9581.2 | 10034.7 | 10705.8 | 11637.8 | 12321.3 | 13029.6 | 13508.1 | 13868.5 | 14378.0 | 16459.5 |
| 57.5° | 7897.3 | 8034.0 | 8543.5 | 9550.1 | 10948.1 | 11731.0 | 13247.1 | 15185.7 | 15347.3 | 14949.6 | 16496.8 |
| 60° | *5915.2* | *6027.1* | *6747.8* | *7555.6* | *9195.9* | *10649.9* | *13122.8* | *16776.4* | *17186.4* | *14850.2* | *15310.0* |
| 62.5° | 4685.0 | 4821.6 | 5461.6 | 5834.4 | 7008.8 | 8798.3 | 12687.9 | 17217.5 | 17571.7 | 14030.0 | 13657.2 |
| 65° | 3659.7 | 3752.9 | 4349.4 | 4883.8 | 5169.6 | 6008.4 | 10873.6 | 15061.4 | 15378.3 | 12694.1 | 11271.2 |
| 67.5° | 2417.0 | 2559.9 | 3268.3 | 4001.5 | 4150.6 | 3821.3 | 7481.0 | 11588.1 | 11737.2 | 10090.7 | 8475.2 |
| 70° | 1733.6 | 1801.9 | 2330.0 | 3112.9 | 3336.6 | 2559.9 | 4076.0 | 8773.4 | 8816.9 | 6772.7 | 5710.2 |
| 72.5° | 1180.6 | 1193.0 | 1584.4 | 2386.0 | 2659.4 | 1857.8 | 2243.1 | 5778.5 | 5629.4 | 3342.8 | 3268.3 |
| 75° | 801.5 | 814.0 | 1012.8 | 1590.6 | 1882.7 | 1292.4 | 1460.2 | 3150.2 | 3026.0 | 1845.4 | 1982.1 |
| 77.5° | 540.6 | 553.0 | 695.9 | 1068.7 | 1255.1 | 894.7 | 1068.7 | 1665.2 | 1634.1 | 1224.1 | 1062.5 |
| 80° | 410.1 | 428.7 | 515.7 | 683.5 | 876.1 | 521.9 | 608.9 | 789.1 | 801.5 | 652.4 | 540.6 |
| 82.5° | 229.9 | 254.8 | 310.7 | 348.0 | 565.4 | 292.0 | 292.0 | 472.2 | 453.6 | 403.9 | 292.0 |
| 85° | 99.4 | 105.6 | 124.3 | 130.5 | 229.9 | 124.3 | 105.6 | 205.0 | 211.3 | 198.8 | 93.2 |
| 87.5° | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 24.9 | 24.9 | 24.9 | 24.9 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 |
| 2.5° | 4399.1 | 4436.4 | 4399.1 | 4380.5 | 4380.5 | 4349.4 | 4337.0 | 4337.0 | 4293.5 | 4312.1 | 4299.7 |
| 5° | 4498.5 | 4511.0 | 4467.5 | 4411.6 | 4337.0 | 4274.9 | 4187.9 | 4076.0 | 4007.7 | 4001.5 | 4007.7 |
| 7.5° | 4653.9 | 4660.1 | 4542.0 | 4417.8 | 4231.4 | 4007.7 | 3740.5 | 3523.0 | 3330.4 | 3299.4 | 3336.6 |
| 10° | 4871.4 | 4858.9 | 4685.0 | 4392.9 | 4001.5 | 3529.2 | 3119.2 | 2920.3 | 2808.5 | 2802.3 | 2796.1 |
| 12.5° | 5163.4 | 5082.6 | 4815.4 | 4287.3 | 3603.8 | 3057.0 | 2845.8 | 2833.3 | 2864.4 | 2889.3 | 2895.5 |
| 15° | 5498.9 | 5393.3 | 4921.1 | 4082.2 | 3199.9 | 2883.0 | 2895.5 | 3001.1 | 3038.4 | 3063.2 | 3063.2 |
| 17.5° | 5915.2 | 5778.5 | 5039.1 | 3790.2 | 2994.9 | 2920.3 | 3007.3 | 3106.7 | 3168.9 | 3193.7 | 3187.5 |
| 20° | 6468.2 | 6182.4 | 5132.3 | 3510.6 | 2939.0 | 2982.5 | 3057.0 | 3156.4 | 3218.6 | 3249.6 | 3249.6 |
| 22.5° | 7021.2 | 6667.0 | 5151.0 | 3318.0 | 2939.0 | 2988.7 | 3057.0 | 3156.4 | 3224.8 | 3255.9 | 3249.6 |
| 25° | 7773.0 | 7288.4 | 5157.2 | 3181.3 | 2945.2 | 2957.6 | 3019.7 | 3106.7 | 3206.1 | 3237.2 | 3249.6 |
| 27.5° | 8574.6 | 7971.9 | 5188.2 | 3150.2 | 2920.3 | 2914.1 | 2957.6 | 3038.4 | 3137.8 | 3218.6 | 3224.8 |
| 30° | 9568.7 | 8742.3 | 5200.7 | 3181.3 | 2926.5 | 2845.8 | 2876.8 | 2957.6 | 3063.2 | 3144.0 | 3168.9 |
| 32.5° | 10544.3 | 9456.9 | 5175.8 | 3249.6 | 2939.0 | 2802.3 | 2808.5 | 2858.2 | 2970.0 | 3026.0 | 3069.5 |
| 35° | 11575.7 | 10214.9 | 5132.3 | 3342.8 | 2945.2 | 2783.6 | 2727.7 | 2752.6 | 2827.1 | 2833.3 | 2852.0 |
| 37.5° | 12383.4 | 10780.4 | 5001.8 | 3467.1 | 2957.6 | 2715.3 | 2603.4 | 2584.8 | 2553.7 | 2491.6 | 2504.0 |
| 40° | 13048.3 | 11159.4 | 4784.4 | 3529.2 | 2926.5 | 2634.5 | 2448.1 | 2361.1 | 2243.1 | 2149.9 | 2168.5 |
| 42.5° | 13526.7 | 11414.1 | 4523.4 | 3541.7 | 2876.8 | 2497.8 | 2267.9 | 2118.8 | 1988.3 | 1888.9 | 1895.1 |
| 45° | 13738.0 | 11389.3 | 4243.8 | 3448.5 | 2758.8 | 2330.0 | 2100.2 | 1957.2 | 1814.3 | 1708.7 | 1696.3 |
| 47.5° | 13744.2 | 11147.0 | 3858.6 | 3224.8 | 2559.9 | 2137.4 | 1944.8 | 1789.5 | 1671.4 | 1596.9 | 1590.6 |
| 50° | 13793.9 | 11010.3 | 3498.2 | 2901.7 | 2299.0 | 1932.4 | 1808.1 | 1652.8 | 1584.4 | 1478.8 | 1447.7 |
| 52.5° | 14104.6 | 11233.9 | 3249.6 | 2547.5 | 2056.7 | 1783.3 | 1690.1 | 1553.4 | 1441.5 | 1373.2 | 1367.0 |
| 55° | 14607.9 | 11619.2 | 3112.9 | 2280.3 | 1826.8 | 1640.4 | 1578.2 | 1460.2 | 1360.7 | 1292.4 | 1273.8 |
| 57.5° | 14670.0 | 11818.0 | 2951.4 | 2031.8 | 1640.4 | 1528.5 | 1503.7 | 1373.2 | 1230.3 | 1180.6 | 1161.9 |
| 60° | *13800.1* | *11482.5* | *2752.6* | *1801.9* | *1503.7* | *1441.5* | *1429.1* | *1255.1* | *1137.1* | *1074.9* | *1050.1* |
| 62.5° | 12613.3 | 10643.7 | 2448.1 | 1590.6 | 1398.0 | 1354.5 | 1304.8 | 1168.1 | 1019.0 | 950.7 | 932.0 |
| 65° | 10308.1 | 8947.4 | 2081.5 | 1447.7 | 1292.4 | 1242.7 | 1230.3 | 1043.9 | 944.4 | 907.2 | 901.0 |
| 67.5° | 7810.3 | 7189.0 | 1833.0 | 1342.1 | 1180.6 | 1161.9 | 1118.4 | 1056.3 | 1012.8 | 969.3 | 956.9 |
| 70° | 5523.8 | 5188.2 | 1559.6 | 1205.4 | 1068.7 | 1037.6 | 1217.8 | 1149.5 | 994.2 | 938.2 | 932.0 |
| 72.5° | 3349.1 | 3255.9 | 1348.3 | 1081.1 | 919.6 | 969.3 | 1124.6 | 1037.6 | 894.7 | 826.4 | 801.5 |
| 75° | 2112.6 | 1932.4 | 1130.9 | 919.6 | 733.2 | 789.1 | 981.7 | 925.8 | 770.5 | 702.1 | 683.5 |
| 77.5° | 1149.5 | 1068.7 | 851.2 | 751.8 | 577.9 | 640.0 | 857.5 | 764.3 | 615.1 | 671.1 | 596.5 |
| 80° | 503.3 | 559.2 | 565.4 | 434.9 | 385.2 | 472.2 | 615.1 | 596.5 | 472.2 | 478.4 | 397.7 |
| 82.5° | 242.3 | 316.9 | 366.6 | 298.2 | 217.5 | 279.6 | 410.1 | 341.7 | 316.9 | 298.2 | 285.8 |
| 85° | 74.6 | 118.1 | 161.6 | 142.9 | 99.4 | 118.1 | 192.6 | 186.4 | 223.7 | 192.6 | 180.2 |
| 87.5° | 24.9 | 24.9 | 18.6 | 18.6 | 18.6 | 24.9 | 31.1 | 18.6 | 6.2 | 6.2 | 0.0 |
| 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):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 |
| 2.5° | 4293.5 | 4299.7 | 4299.7 | 4305.9 | 4305.9 | 4324.6 | 4349.4 | 4374.3 | 4355.6 | 4380.5 | 4386.7 |
| 5° | 3995.3 | 4026.3 | 4051.2 | 4144.4 | 4218.9 | 4281.1 | 4349.4 | 4411.6 | 4430.2 | 4442.6 | 4473.7 |
| 7.5° | 3293.1 | 3380.1 | 3541.7 | 3752.9 | 3989.0 | 4218.9 | 4374.3 | 4535.8 | 4560.7 | 4591.8 | 4635.2 |
| 10° | 2802.3 | 2839.6 | 2951.4 | 3168.9 | 3591.4 | 4045.0 | 4424.0 | 4678.7 | 4784.4 | 4846.5 | 4890.0 |
| 12.5° | 2883.0 | 2858.2 | 2839.6 | 2870.6 | 3144.0 | 3728.1 | 4392.9 | 4883.8 | 5082.6 | 5151.0 | 5206.9 |
| 15° | 3075.7 | 3050.8 | 2982.5 | 2895.5 | 2926.5 | 3392.6 | 4287.3 | 5076.4 | 5393.3 | 5505.1 | 5623.2 |
| 17.5° | 3187.5 | 3162.7 | 3106.7 | 3013.5 | 2932.8 | 3112.9 | 4088.5 | 5250.4 | 5884.2 | 6020.8 | 6188.6 |
| 20° | 3249.6 | 3224.8 | 3168.9 | 3075.7 | 2982.5 | 3007.3 | 3833.7 | 5467.8 | 6443.4 | 6660.8 | 6909.4 |
| 22.5° | 3262.1 | 3231.0 | 3168.9 | 3075.7 | 3019.7 | 3001.1 | 3591.4 | 5598.3 | 7046.1 | 7381.6 | 7667.4 |
| 25° | 3255.9 | 3199.9 | 3119.2 | 3050.8 | 3019.7 | 3013.5 | 3423.6 | 5672.9 | 7698.5 | 8232.8 | 8555.9 |
| 27.5° | 3212.4 | 3144.0 | 3063.2 | 3013.5 | 3001.1 | 3038.4 | 3349.1 | 5759.9 | 8462.7 | 9146.2 | 9661.9 |
| 30° | 3162.7 | 3063.2 | 2963.8 | 2945.2 | 2976.2 | 3094.3 | 3411.2 | 5790.9 | 9264.3 | 10140.4 | 10668.5 |
| 32.5° | 3032.2 | 2957.6 | 2858.2 | 2852.0 | 2926.5 | 3137.8 | 3554.1 | 5747.5 | 9972.6 | 11134.5 | 11799.4 |
| 35° | 2845.8 | 2802.3 | 2746.4 | 2765.0 | 2883.0 | 3175.1 | 3653.5 | 5610.8 | 10618.8 | 12060.3 | 12837.0 |
| 37.5° | 2516.5 | 2547.5 | 2578.6 | 2622.1 | 2771.2 | 3168.9 | 3697.0 | 5393.3 | 11153.2 | 12799.7 | 13793.9 |
| 40° | 2149.9 | 2255.5 | 2354.9 | 2466.7 | 2665.6 | 3119.2 | 3709.4 | 5126.1 | 11463.8 | 13359.0 | 14645.1 |
| 42.5° | 1920.0 | 2019.4 | 2143.6 | 2305.2 | 2522.7 | 3007.3 | 3697.0 | 4827.9 | 11563.3 | 13744.2 | 15185.7 |
| 45° | 1708.7 | 1826.8 | 1982.1 | 2149.9 | 2398.4 | 2845.8 | 3585.2 | 4504.8 | 11613.0 | 13924.4 | 15415.6 |
| 47.5° | 1596.9 | 1665.2 | 1808.1 | 1975.9 | 2236.8 | 2646.9 | 3367.7 | 4268.7 | 11538.4 | 13961.7 | 15695.2 |
| 50° | 1466.4 | 1559.6 | 1652.8 | 1814.3 | 2069.1 | 2398.4 | 3106.7 | 4132.0 | 11662.7 | 14328.3 | 16136.4 |
| 52.5° | 1367.0 | 1416.7 | 1516.1 | 1665.2 | 1851.6 | 2168.5 | 2858.2 | 4020.1 | 12004.4 | 14701.1 | 16596.2 |
| 55° | 1292.4 | 1348.3 | 1410.5 | 1534.7 | 1677.6 | 1938.6 | 2603.4 | 3852.3 | 12402.1 | 15098.7 | 17056.0 |
| 57.5° | 1174.3 | 1211.6 | 1298.6 | 1429.1 | 1522.3 | 1714.9 | 2305.2 | 3653.5 | 12371.0 | 14788.0 | 16260.6 |
| 60° | *1068.7* | *1106.0* | *1199.2* | *1329.7* | *1385.6* | *1516.1* | *2013.2* | *3398.8* | *11774.5* | *13775.3* | *14794.3* |
| 62.5° | 950.7 | 994.2 | 1106.0 | 1199.2 | 1248.9 | 1348.3 | 1708.7 | 2932.8 | 10531.8 | 12253.0 | 13079.3 |
| 65° | 901.0 | 925.8 | 1000.4 | 1112.2 | 1106.0 | 1199.2 | 1441.5 | 2305.2 | 8475.2 | 9363.7 | 10115.5 |
| 67.5° | 956.9 | 994.2 | 981.7 | 1012.8 | 994.2 | 1043.9 | 1292.4 | 1851.6 | 6660.8 | 7052.3 | 7487.2 |
| 70° | 944.4 | 1031.4 | 1074.9 | 1012.8 | 869.9 | 925.8 | 1118.4 | 1478.8 | 4765.7 | 4728.4 | 4709.8 |
| 72.5° | 826.4 | 913.4 | 1037.6 | 1099.8 | 851.2 | 770.5 | 969.3 | 1280.0 | 3057.0 | 3044.6 | 2752.6 |
| 75° | 702.1 | 764.3 | 913.4 | 994.2 | 733.2 | 621.3 | 832.6 | 1087.4 | 1826.8 | 1851.6 | 1652.8 |
| 77.5° | 646.2 | 615.1 | 764.3 | 876.1 | 596.5 | 478.4 | 671.1 | 820.2 | 1006.6 | 1019.0 | 944.4 |
| 80° | 466.0 | 447.4 | 571.6 | 640.0 | 453.6 | 341.7 | 379.0 | 509.5 | 540.6 | 484.7 | 503.3 |
| 82.5° | 298.2 | 304.5 | 341.7 | 410.1 | 279.6 | 186.4 | 261.0 | 341.7 | 292.0 | 236.1 | 279.6 |
| 85° | 192.6 | 217.5 | 180.2 | 211.3 | 87.0 | 87.0 | 111.8 | 149.1 | 99.4 | 68.3 | 74.6 |
| 87.5° | 0.0 | 0.0 | 12.4 | 24.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P1501600
CATALOG NUMBER: GSS-SB3D-850-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4386.7 | 4386.7 | *4386.7* | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 | 4386.7 |
| 2.5° | 4405.3 | 4399.1 | *4399.1* | 4411.6 | 4442.6 | 4455.1 | 4473.7 | 4467.5 | 4486.1 | 4473.7 |
| 5° | 4492.3 | 4498.5 | *4517.2* | 4523.4 | 4542.0 | 4566.9 | 4573.1 | 4566.9 | 4579.3 | 4579.3 |
| 7.5° | 4666.3 | 4691.2 | *4678.7* | 4709.8 | 4685.0 | 4653.9 | 4604.2 | 4566.9 | 4535.8 | 4548.3 |
| 10° | 4958.3 | 4945.9 | *4939.7* | 4883.8 | 4771.9 | 4610.4 | 4479.9 | 4337.0 | 4312.1 | 4287.3 |
| 12.5° | 5281.4 | 5269.0 | *5269.0* | 5076.4 | 4759.5 | 4424.0 | 4125.7 | 3902.1 | 3827.5 | 3821.3 |
| 15° | 5735.0 | 5654.3 | *5579.7* | 5175.8 | 4542.0 | 3970.4 | 3622.5 | 3448.5 | 3405.0 | 3405.0 |
| 17.5° | 6300.5 | 6089.2 | *5964.9* | 5101.3 | 4187.9 | 3672.2 | 3467.1 | 3423.6 | 3411.2 | 3442.3 |
| 20° | 7002.6 | 6468.2 | *6288.0* | 4933.5 | 4057.4 | 3709.4 | 3610.0 | 3616.2 | 3622.5 | 3665.9 |
| 22.5° | 7773.0 | 6816.2 | *6517.9* | 4933.5 | 4187.9 | 3945.6 | 3895.8 | 3964.2 | 3982.8 | 4020.1 |
| 25° | 8630.5 | 7126.8 | *6723.0* | 5194.5 | 4573.1 | 4392.9 | 4330.8 | 4399.1 | 4448.8 | 4511.0 |
| 27.5° | 9593.6 | 7449.9 | *7077.1* | 5666.7 | 5070.2 | 4958.3 | 4890.0 | 4921.1 | 4989.4 | 5064.0 |
| 30° | 10457.3 | 7990.5 | *7617.7* | 6387.4 | 5747.5 | 5610.8 | 5492.7 | 5542.4 | 5617.0 | 5666.7 |
| 32.5° | 11221.5 | 8649.1 | *8332.3* | 7145.5 | 6524.1 | 6288.0 | 6157.5 | 6145.1 | 6294.2 | 6257.0 |
| 35° | 11923.6 | 9425.8 | *9121.4* | 8009.2 | 7313.2 | 7021.2 | 6847.2 | 7070.9 | 6971.5 | 7008.8 |
| 37.5° | 12476.6 | 10233.6 | *9991.3* | 8835.5 | 8133.4 | 7735.8 | 7630.1 | 7903.5 | 8058.9 | 8102.4 |
| 40° | 12930.2 | 10935.7 | *10680.9* | 9655.7 | 8885.3 | 8593.2 | 8761.0 | 9214.6 | 9195.9 | 9177.3 |
| 42.5° | 13278.2 | 11538.4 | *11258.8* | 10277.1 | 9606.0 | 9661.9 | 9792.4 | 10096.9 | 10171.4 | 10065.8 |
| 45° | 13433.5 | 11917.4 | *11693.7* | 10767.9 | 10426.2 | 10749.3 | 10805.2 | 10935.7 | 10886.0 | 10817.6 |
| 47.5° | 13613.7 | 12253.0 | *12016.8* | 11215.3 | 11314.7 | 11631.6 | 11519.8 | 11414.1 | 11233.9 | 11128.3 |
| 50° | 13918.2 | 12650.6 | *12451.8* | 11867.7 | 12228.1 | 12122.5 | 11687.5 | 11451.4 | 11084.8 | 10960.6 |
| 52.5° | 14496.0 | 13402.4 | *13253.3* | 12899.2 | 12656.8 | 12047.9 | 11519.8 | 11097.2 | 10687.2 | 10519.4 |
| 55° | 15011.7 | 14421.5 | *14334.5* | 13862.2 | 12526.3 | 11656.5 | 10948.1 | 10295.7 | 9593.6 | 9450.7 |
| 57.5° | 15310.0 | 16111.5 | *16210.9* | 14272.3 | 11929.9 | 10767.9 | 9724.1 | 8680.2 | 8015.4 | 7897.3 |
| 60° | *14421.5* | *17938.3* | *17988.0* | *14191.6* | *10854.9* | *9164.9* | *7574.2* | *6834.8* | *6120.3* | *5915.2* |
| 62.5° | 13197.4 | 17559.3 | *17515.8* | 13706.9 | 8642.9 | 6685.7 | 5753.7 | 5405.7 | 4852.7 | 4685.0 |
| 65° | 11345.8 | 14626.5 | *14676.2* | 11842.9 | 5747.5 | 4834.1 | 4834.1 | 4392.9 | 3777.8 | 3659.7 |
| 67.5° | 9245.6 | 11277.4 | *11165.6* | 7679.8 | 3529.2 | 3871.0 | 4057.4 | 3423.6 | 2559.9 | 2417.0 |
| 70° | 6008.4 | 8611.9 | *8456.5* | 4430.2 | 2218.2 | 3224.8 | 3193.7 | 2572.4 | 1833.0 | 1733.6 |
| 72.5° | 2584.8 | 4977.0 | *5293.9* | 2261.7 | 1671.4 | 2597.2 | 2547.5 | 1801.9 | 1224.1 | 1180.6 |
| 75° | 1559.6 | 2504.0 | *2727.7* | 1441.5 | 1217.8 | 1957.2 | 1764.6 | 1143.3 | 832.6 | 801.5 |
| 77.5° | 987.9 | 1373.2 | *1360.7* | 1081.1 | 913.4 | 1323.5 | 1186.8 | 789.1 | 565.4 | 540.6 |
| 80° | 571.6 | 677.3 | *702.1* | 677.3 | 615.1 | 944.4 | 758.0 | 571.6 | 441.2 | 410.1 |
| 82.5° | 366.6 | 422.5 | *428.7* | 329.3 | 341.7 | 608.9 | 410.1 | 335.5 | 254.8 | 229.9 |
| 85° | 161.6 | 180.2 | *174.0* | 111.8 | 111.8 | 248.5 | 142.9 | 136.7 | 99.4 | 99.4 |
| 87.5° | 6.2 | 12.4 | *6.2* | 6.2 | 6.2 | 24.9 | 12.4 | 18.6 | 18.6 | 18.6 |
| 90° | 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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

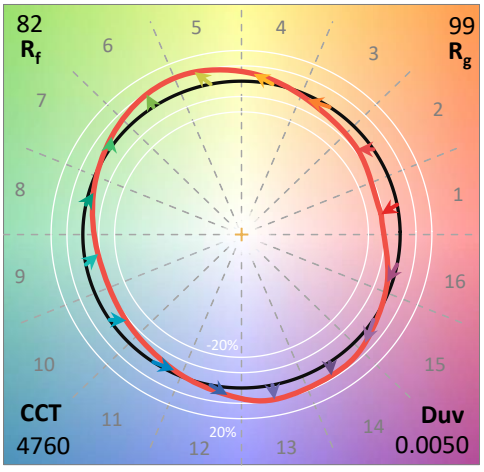
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-12 |
| 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-850-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4760 |
| CIE u': | 0.2107 |
| CIE v': | 0.4939 |
| Duv: | 0.0050 |
| CIE x: | 0.3537 |
| CIE y: | 0.3685 |
| CIE z: | 0.2779 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 571 |
| Purity: | 16.69598 |
| Rf: | 82 |
| Rg: | 99.4 |

| | |
|---|---|
| CRI (Ra): | 81.1 |
| R1: | 79.8 |
| R2: | 83.5 |
| R3: | 87.9 |
| R4: | 83.1 |
| R5: | 80.5 |
| R6: | 79.1 |
| R7: | 86.1 |
| R8: | 69.0 |
| R9: | 8.7 |
| R10: | 62.4 |
| R11: | 83.8 |
| R12: | 63.0 |
| R13: | 79.9 |
| R14: | 93.3 |
| R15: | 72.7 |




## Test Conditions

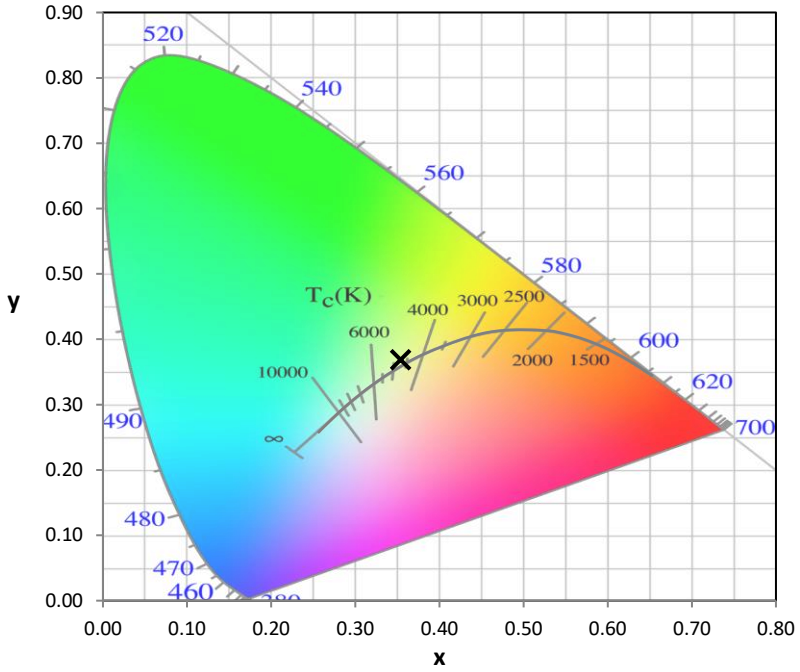
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-12

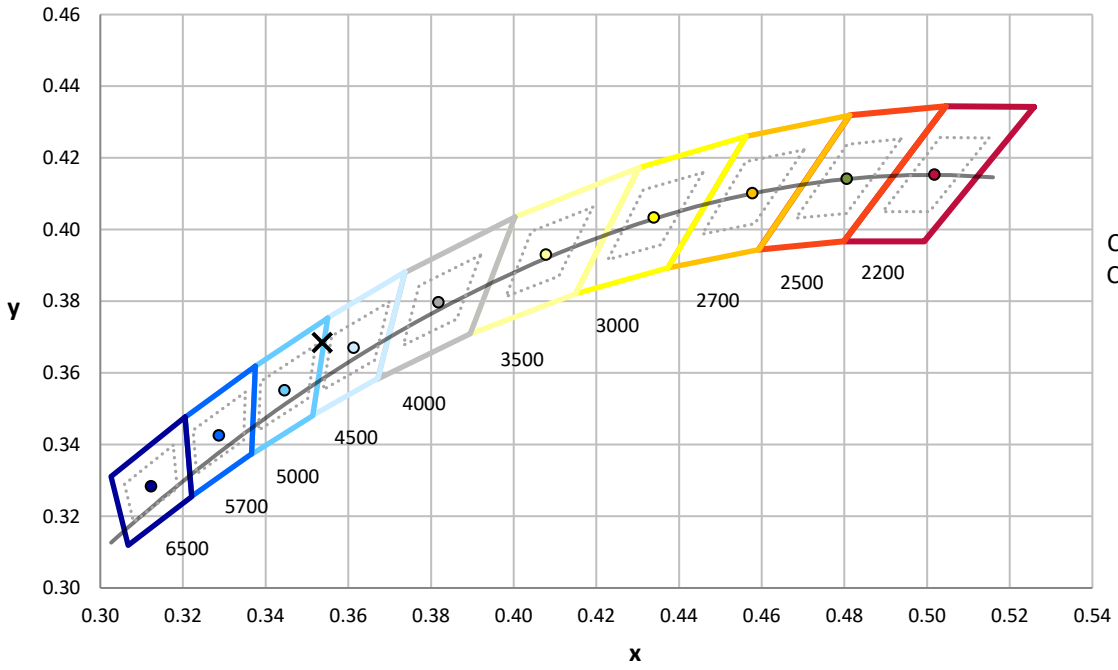
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-12

## CIE 1931 Chromaticity Diagram




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

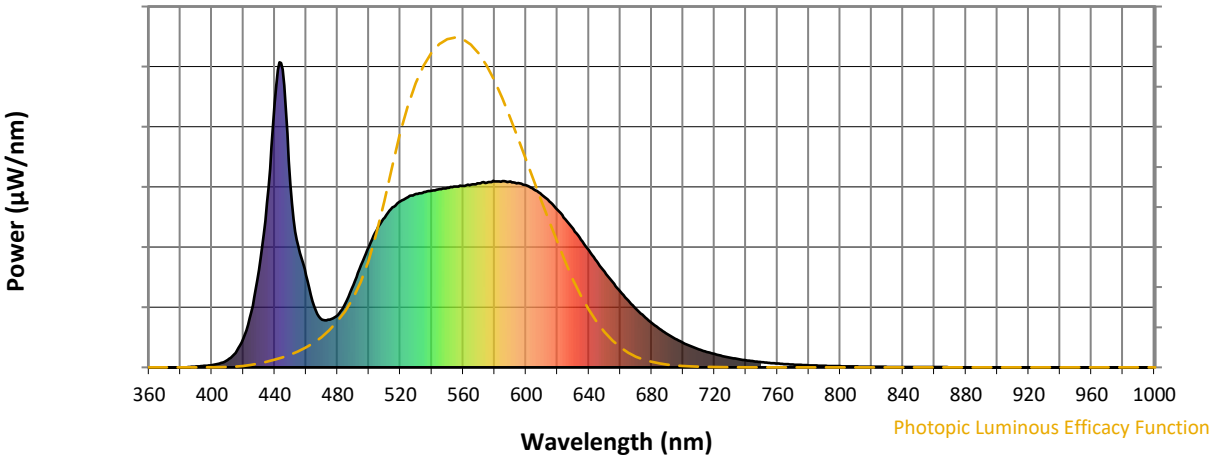



CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

## Photopic Flux vs. Wavelength

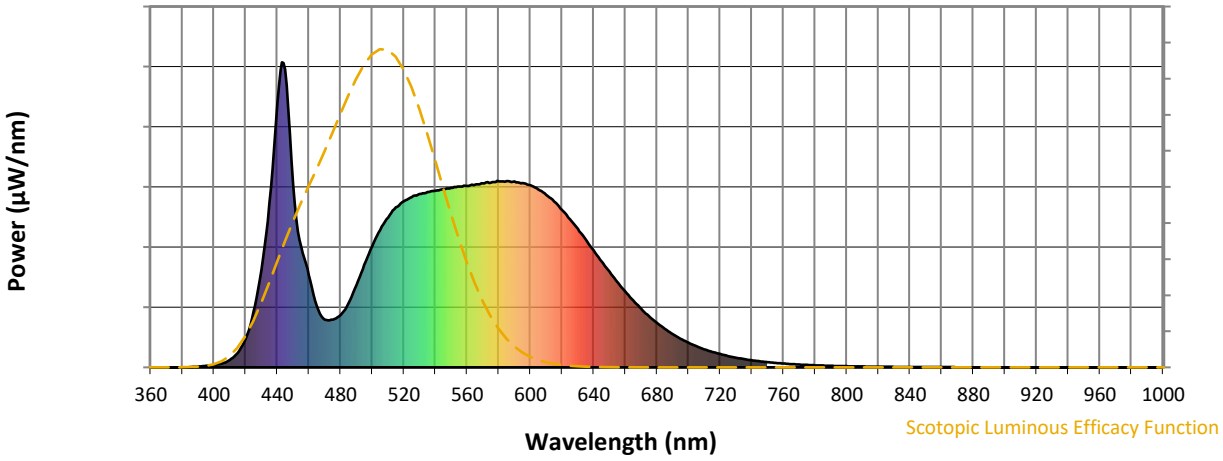



## Photopic Lumens: NR

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Scotopic Flux vs. Wavelength

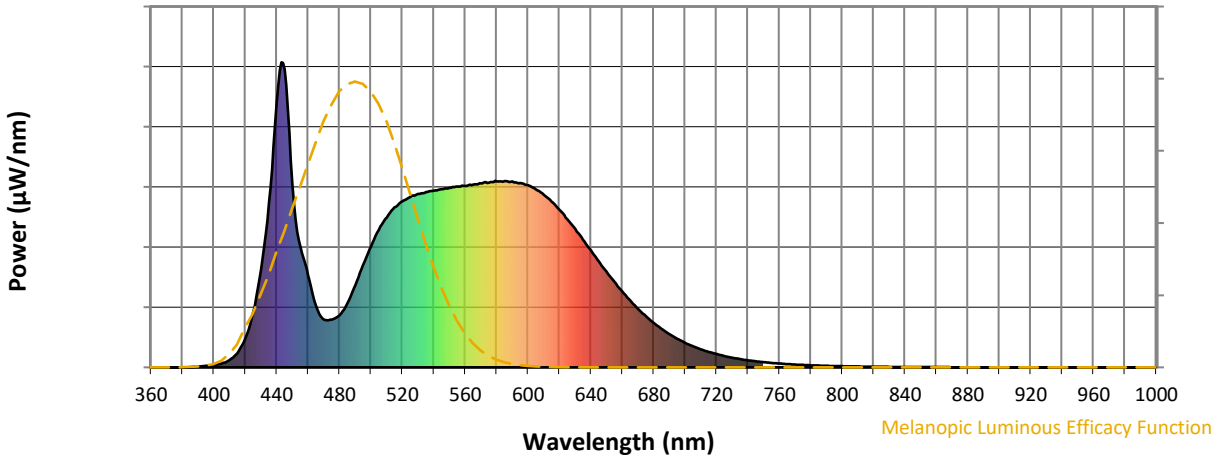



**Scotopic Lumens: NR** **S/P: 1.83**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.74**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

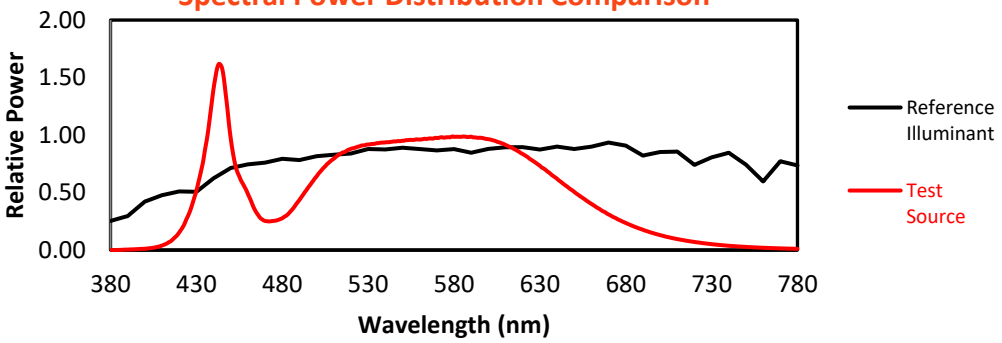
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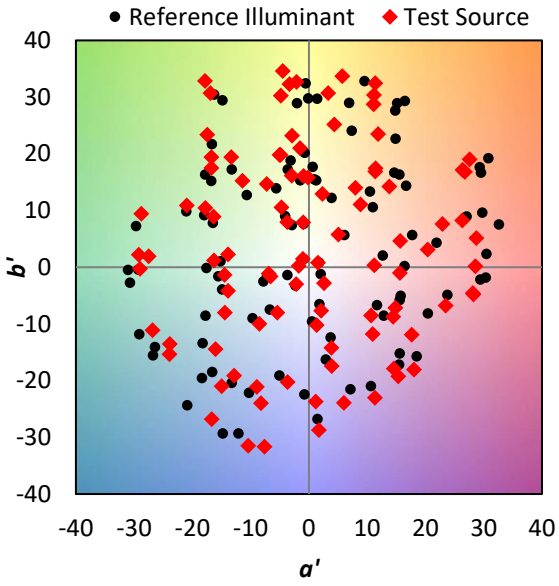
## Summary

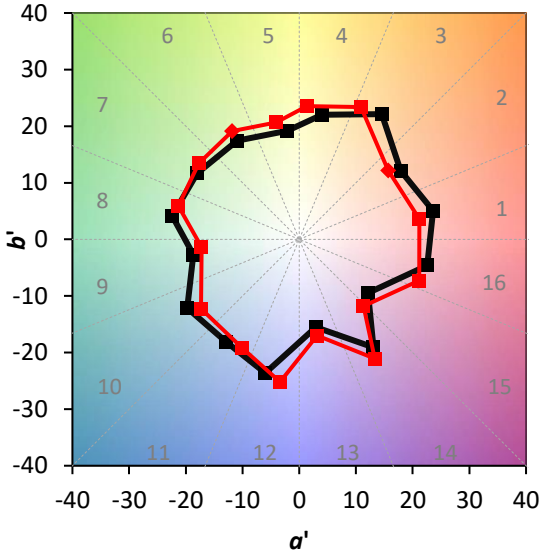
$R_f$ = 82
$R_g$ = 99.4
CIE $R_a$ = 81.1
$R_9$ = 8.7

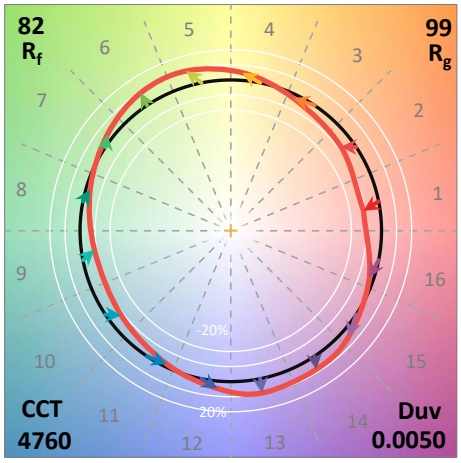
## Spectral Power Distribution Comparison

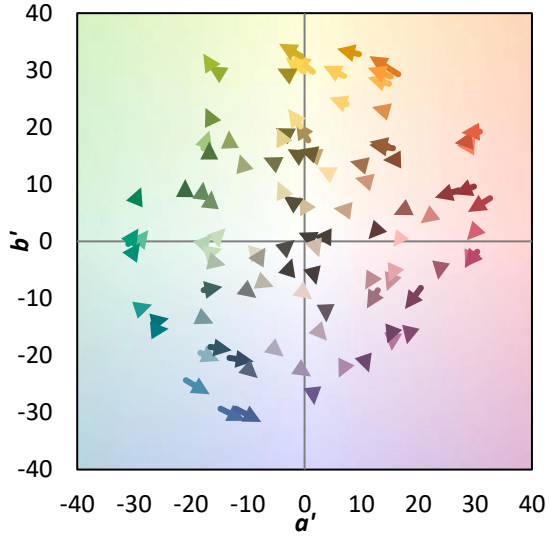



## Color Vector Graphics



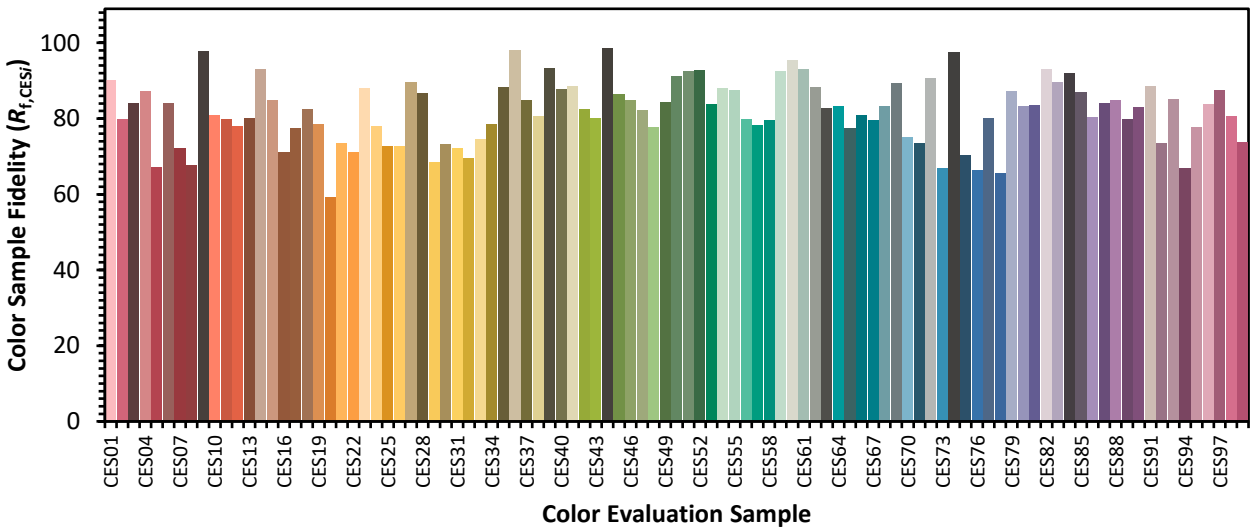



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## Individual Sample Fidelity Index ($R_{f,i}$)

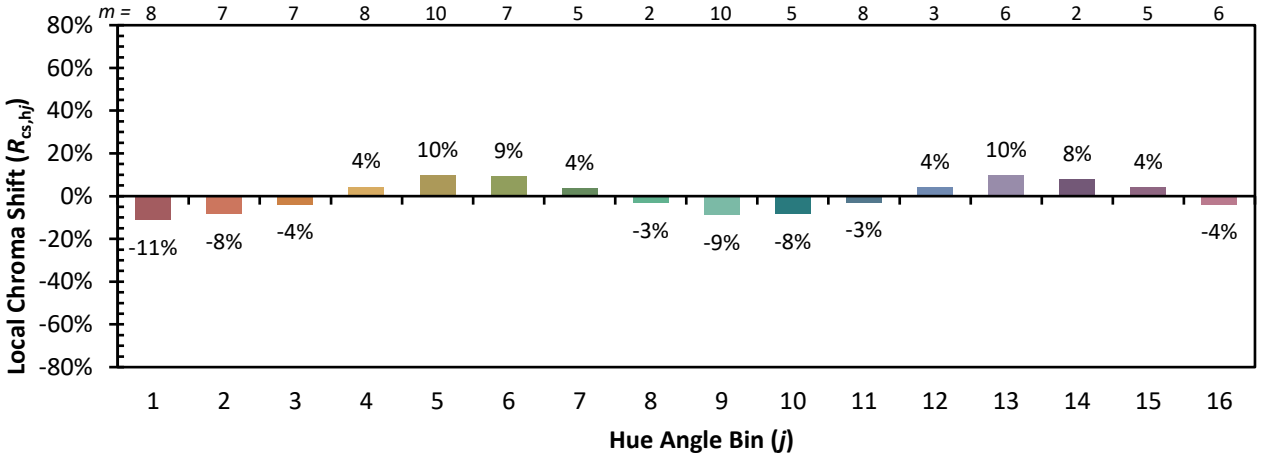
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 73 | CES51 = 92 | CES76 = 66 |
| CES02 = 60 | CES27 = 90 | CES52 = 93 | CES77 = 80 |
| CES03 = 30 | CES28 = 87 | CES53 = 84 | CES78 = 65 |
| CES04 = 69 | CES29 = 69 | CES54 = 88 | CES79 = 87 |
| CES05 = 47 | CES30 = 73 | CES55 = 88 | CES80 = 83 |
| CES06 = 50 | CES31 = 72 | CES56 = 80 | CES81 = 84 |
| CES07 = 40 | CES32 = 69 | CES57 = 78 | CES82 = 93 |
| CES08 = 39 | CES33 = 75 | CES58 = 80 | CES83 = 90 |
| CES09 = 29 | CES34 = 78 | CES59 = 93 | CES84 = 92 |
| CES10 = 73 | CES35 = 88 | CES60 = 95 | CES85 = 87 |
| CES11 = 56 | CES36 = 98 | CES61 = 93 | CES86 = 80 |
| CES12 = 62 | CES37 = 85 | CES62 = 88 | CES87 = 84 |
| CES13 = 42 | CES38 = 81 | CES63 = 83 | CES88 = 85 |
| CES14 = 74 | CES39 = 93 | CES64 = 83 | CES89 = 80 |
| CES15 = 71 | CES40 = 88 | CES65 = 77 | CES90 = 83 |
| CES16 = 46 | CES41 = 89 | CES66 = 81 | CES91 = 89 |
| CES17 = 48 | CES42 = 82 | CES67 = 80 | CES92 = 73 |
| CES18 = 55 | CES43 = 80 | CES68 = 83 | CES93 = 85 |
| CES19 = 70 | CES44 = 99 | CES69 = 89 | CES94 = 67 |
| CES20 = 64 | CES45 = 87 | CES70 = 75 | CES95 = 78 |
| CES21 = 85 | CES46 = 85 | CES71 = 73 | CES96 = 84 |
| CES22 = 77 | CES47 = 82 | CES72 = 91 | CES97 = 87 |
| CES23 = 91 | CES48 = 78 | CES73 = 67 | CES98 = 81 |
| CES24 = 90 | CES49 = 84 | CES74 = 98 | CES99 = 74 |
| CES25 = 71 | CES50 = 91 | CES75 = 70 | |

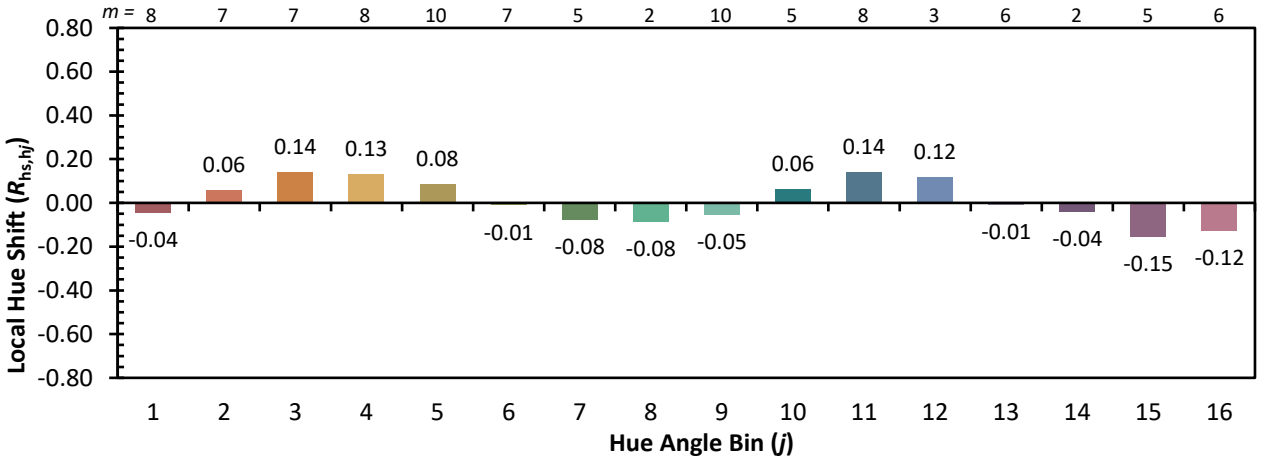


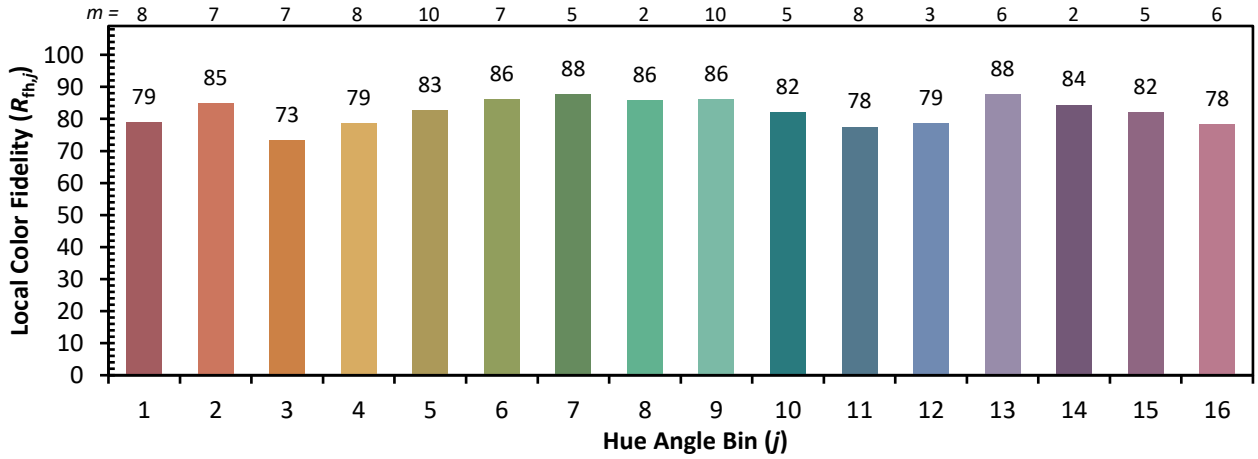
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## Color Rendition by Hue-Angle Bin



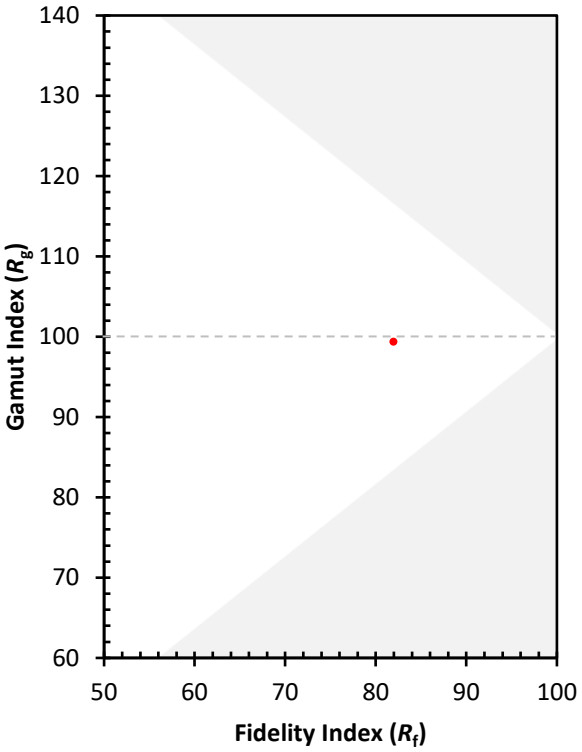



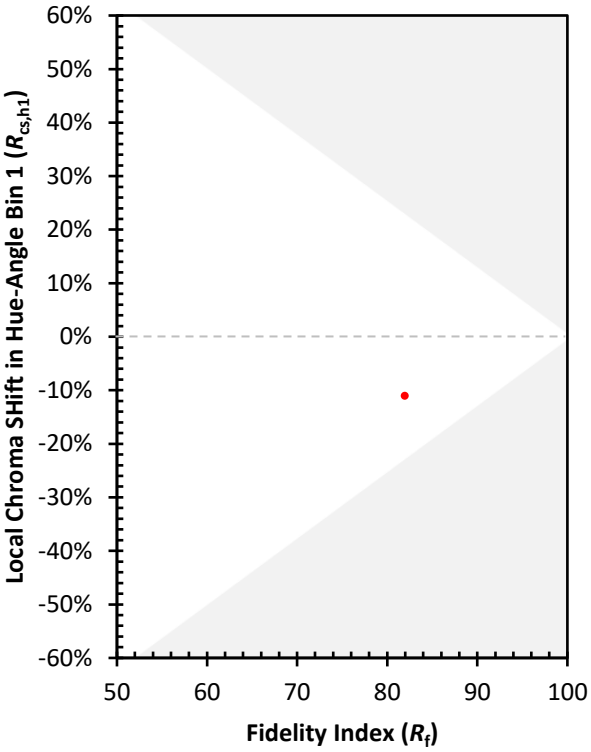



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## Measure Comparisons




(END OF REPORT)