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: P1364250

Luminaire Tested: **GSS-SB3D-750-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364250 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3D-750-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 5000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (78) 5000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 28719.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 131.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G4 |

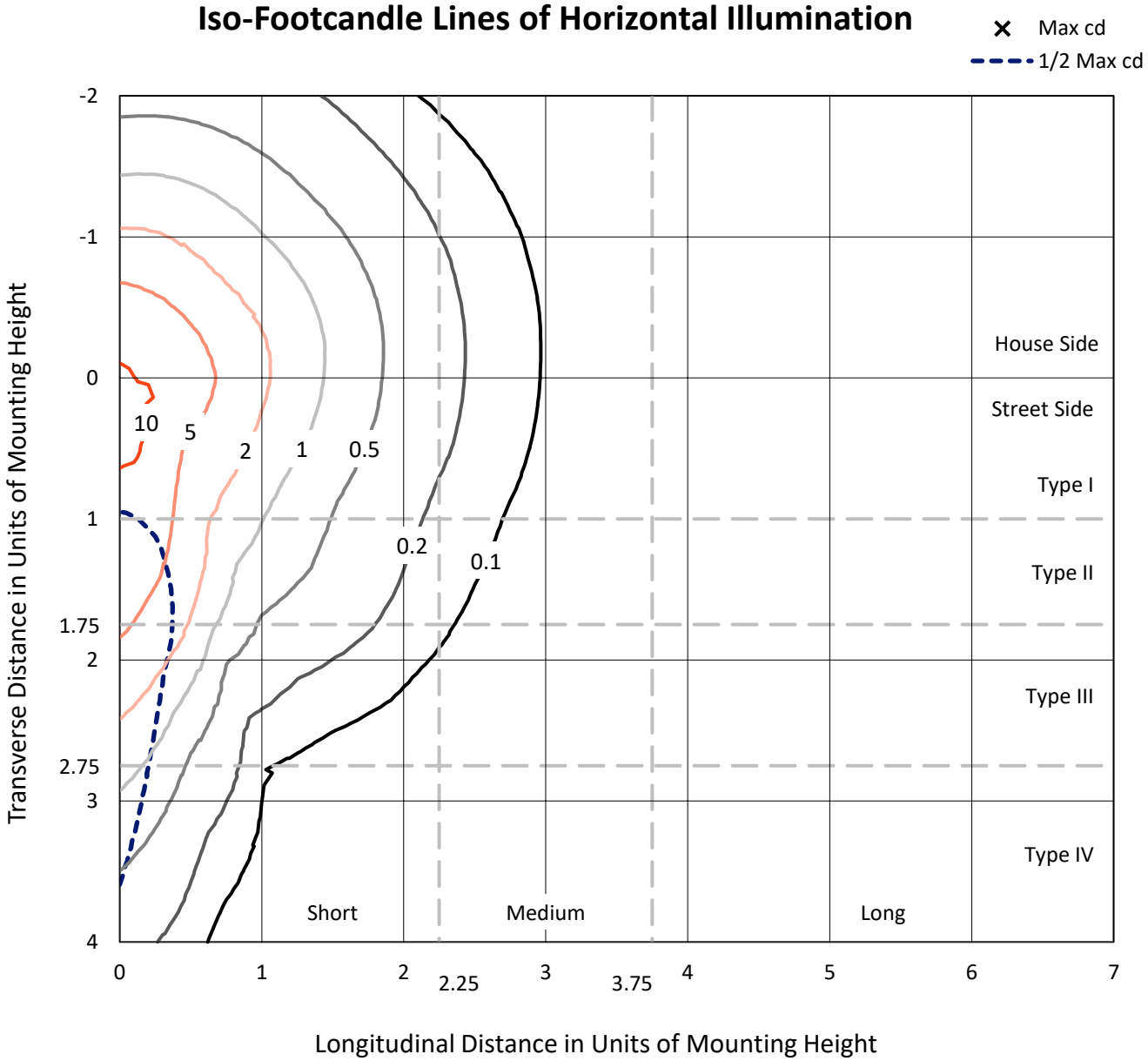
| | |
|---|---|
| Input Watts (W): | 219 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 2.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



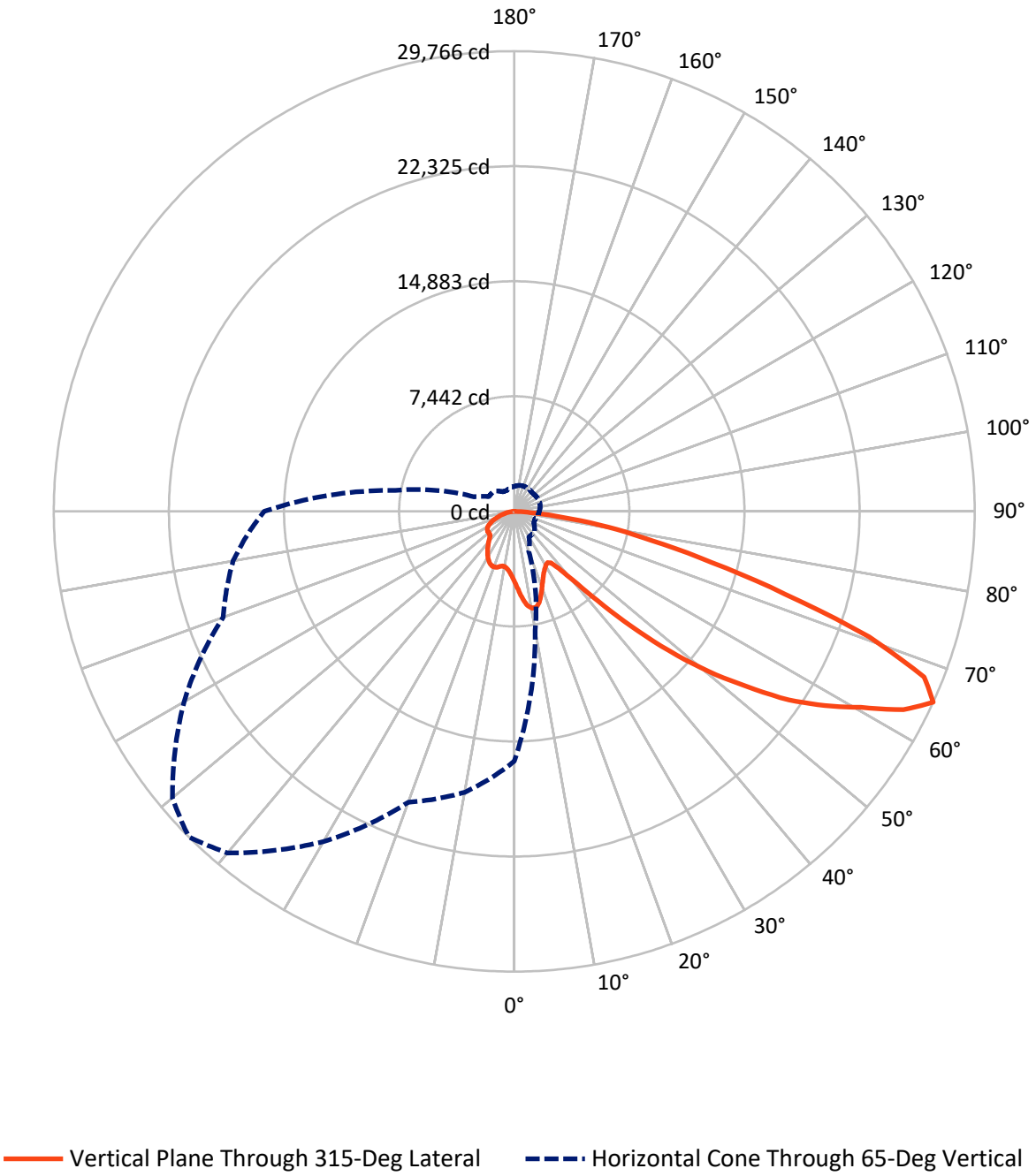

Based on 20 foot mounting height. Maximum calculated value = 13.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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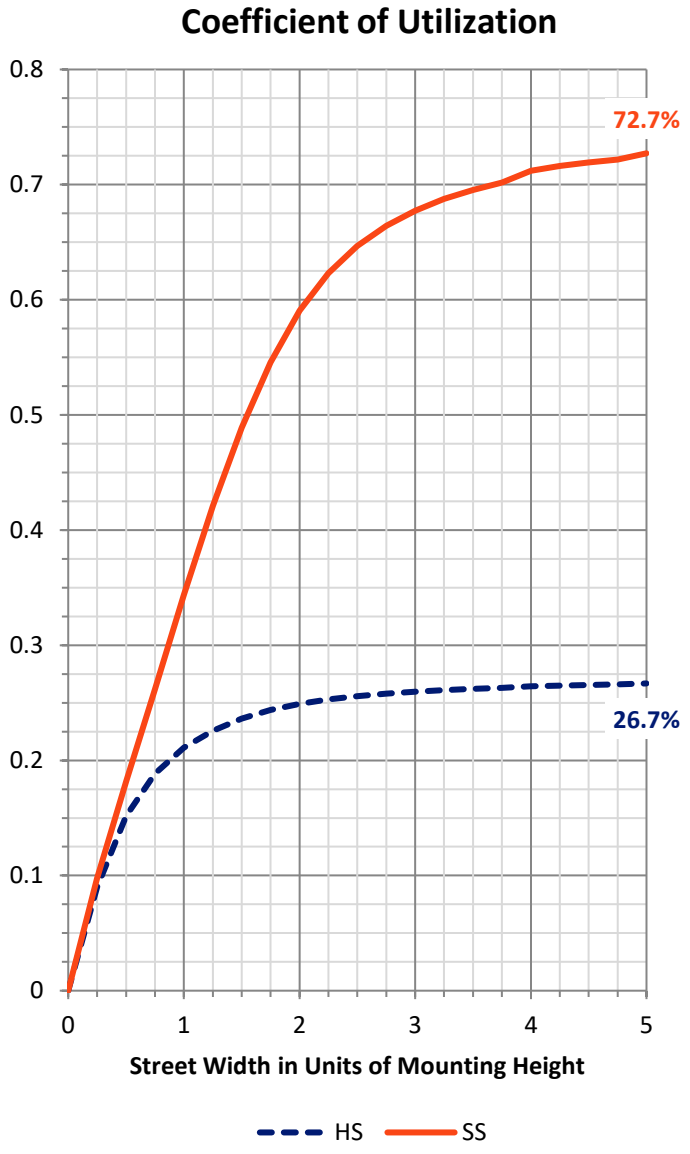
REPORT NUMBER: P1364250
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 7726.2 | 0.0 | 7726.2 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 20993.4 | 0.0 | 20993.4 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 28719.6 | 0.0 | 28719.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 452.2 | 1.6 |
| 10°-20° | 1385.7 | 4.8 |
| 20°-30° | 2144.6 | 7.5 |
| 30°-40° | 2660.8 | 9.3 |
| 40°-50° | 3890.9 | 13.5 |
| 50°-60° | 6094.5 | 21.2 |
| 60°-70° | 7231.6 | 25.2 |
| 70°-80° | 4217.8 | 14.7 |
| 80°-90° | 641.7 | 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° | 28719.6 | 100.0 |
| 0°-180° | 28719.6 | 100.0 |



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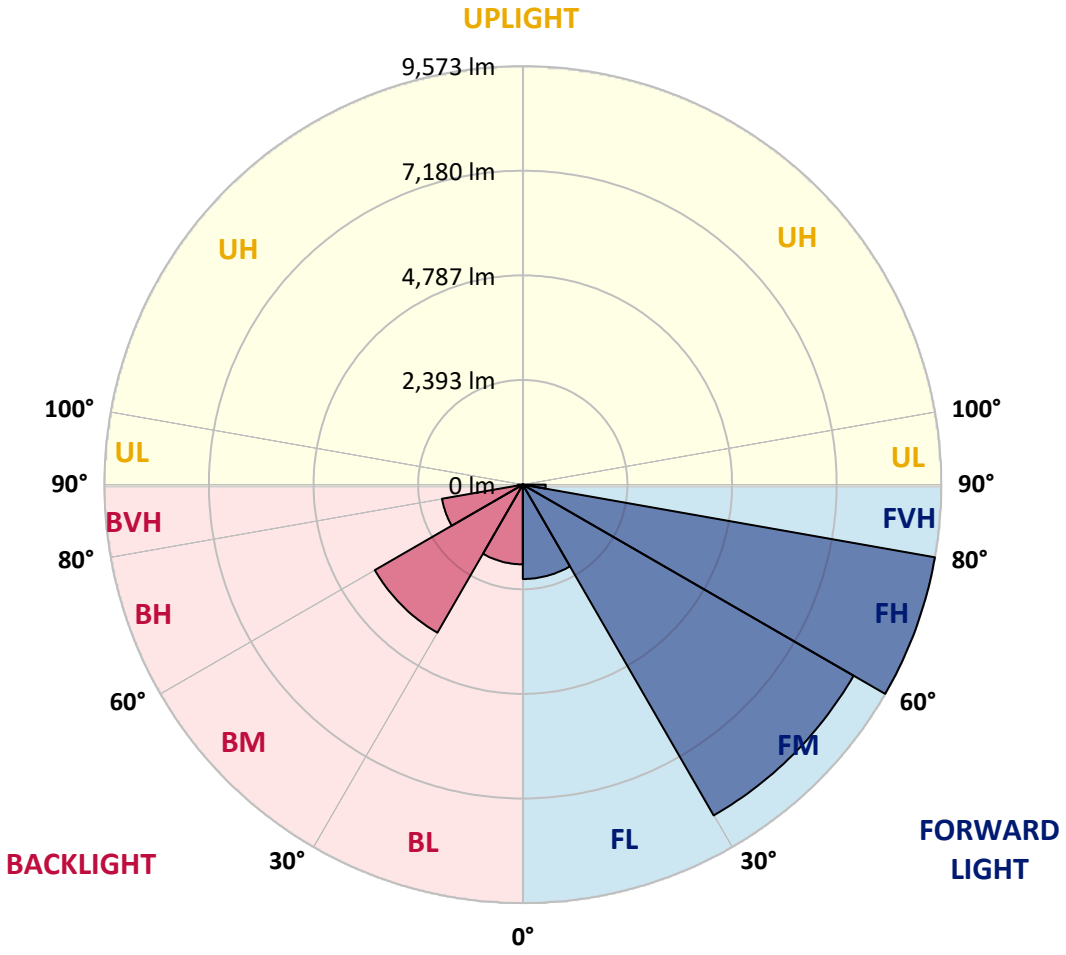
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2158.5 | 7.5 | | | |
| FM | (30°-60°) | 8737.1 | 30.4 | | | |
| FH | (60°-80°) | 9573.0 | 33.3 | | | G4/12000 |
| FVH | (80°-90°) | 524.8 | 1.8 | | | G4/750 |
| BL | (0°-30°) | 1823.9 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 3909.1 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1876.4 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 116.9 | 0.4 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G4**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 4948.1 | 4903.2 | 4858.9 | 4818.2 | 4777.5 | 4736.7 | 4695.3 | 4656.0 | 4615.9 | 4575.9 | 4540.8 |
| 5° | 5285.3 | 5205.9 | 5127.2 | 5044.4 | 4962.2 | 4881.4 | 4800.6 | 4724.1 | 4648.2 | 4568.9 | 4500.7 |
| 7.5° | 5625.9 | 5492.5 | 5359.0 | 5233.3 | 5107.6 | 4995.2 | 4882.8 | 4782.4 | 4681.2 | 4575.9 | 4493.7 |
| 10° | 5840.1 | 5680.7 | 5520.6 | 5364.6 | 5208.0 | 5069.6 | 4930.6 | 4814.7 | 4698.8 | 4586.4 | 4498.6 |
| 12.5° | 5949.0 | 5790.3 | 5631.5 | 5456.6 | 5281.8 | 5126.5 | 4971.3 | 4843.5 | 4716.4 | 4593.4 | 4507.8 |
| 15° | 6001.7 | 5840.8 | 5680.7 | 5503.0 | 5325.3 | 5158.1 | 4990.3 | 4846.3 | 4702.3 | 4565.4 | 4489.5 |
| 17.5° | 6015.7 | 5865.4 | 5715.8 | 5526.2 | 5336.5 | 5145.5 | 4955.2 | 4787.3 | 4620.1 | 4460.0 | 4395.4 |
| 20° | 6061.4 | 5909.7 | 5758.0 | 5554.3 | 5350.6 | 5126.5 | 4902.5 | 4681.9 | 4461.4 | 4249.3 | 4208.6 |
| 22.5° | 6110.5 | 5971.5 | 5833.1 | 5609.1 | 5385.7 | 5111.8 | 4837.9 | 4561.1 | 4284.4 | 4031.6 | 3992.9 |
| 25° | 6187.8 | 6067.7 | 5947.6 | 5703.2 | 5458.8 | 5110.4 | 4762.0 | 4417.2 | 4072.3 | 3782.2 | 3778.7 |
| 27.5° | 6300.2 | 6208.2 | 6116.2 | 5840.8 | 5566.2 | 5123.7 | 4681.2 | 4269.7 | 3857.4 | 3561.0 | 3578.5 |
| 30° | 6458.2 | 6385.9 | 6314.2 | 6003.8 | 5692.6 | 5152.5 | 4613.1 | 4141.1 | 3669.8 | 3381.9 | 3400.8 |
| 32.5° | 6651.4 | 6606.4 | 6561.5 | 6195.5 | 5829.6 | 5184.8 | 4540.8 | 4028.7 | 3517.4 | 3251.9 | 3251.9 |
| 35° | 6978.0 | 6921.8 | 6865.6 | 6399.2 | 5933.6 | 5177.1 | 4421.4 | 3900.9 | 3379.8 | 3174.7 | 3131.1 |
| 37.5° | 7392.4 | 7325.6 | 7258.9 | 6647.9 | 6036.8 | 5155.3 | 4273.9 | 3759.0 | 3244.9 | 3083.4 | 3000.5 |
| 40° | 8003.4 | 7872.1 | 7740.0 | 6932.3 | 6124.6 | 5106.2 | 4087.7 | 3589.8 | 3091.8 | 2964.0 | 2860.0 |
| 42.5° | 8860.3 | 8582.2 | 8303.3 | 7247.0 | 6189.2 | 5021.2 | 3852.5 | 3388.2 | 2923.2 | 2834.0 | 2705.5 |
| 45° | 9924.4 | 9478.4 | 9032.4 | 7674.0 | 6315.6 | 4962.9 | 3610.1 | 3183.1 | 2756.8 | 2676.0 | 2548.2 |
| 47.5° | 10942.8 | 10378.1 | 9813.4 | 8113.0 | 6412.6 | 4894.8 | 3377.0 | 2979.4 | 2583.3 | 2489.9 | 2370.5 |
| 50° | 12122.8 | 11357.2 | 10591.6 | 8495.8 | 6399.9 | 4778.9 | 3157.1 | 2798.2 | 2438.6 | 2310.8 | 2192.8 |
| 52.5° | 13636.4 | 12420.6 | 11204.1 | 8677.0 | 6149.2 | 4541.5 | 2934.5 | 2635.3 | 2337.5 | 2173.8 | 2047.4 |
| 55° | 15444.9 | 13488.9 | 11532.8 | 8629.2 | 5725.7 | 4226.8 | 2726.6 | 2499.0 | 2270.0 | 2107.1 | 1958.2 |
| 57.5° | 17288.6 | 14385.8 | 11483.6 | 8368.6 | 5253.7 | 3897.4 | 2541.1 | 2383.8 | 2226.5 | 2089.5 | 1906.9 |
| 60° | 18672.3 | 14787.5 | 10902.1 | 7744.2 | 4586.4 | 3480.9 | 2375.4 | 2265.1 | 2154.8 | 2047.4 | 1864.8 |
| 62.5° | 18099.9 | 13896.2 | 9692.6 | 6720.9 | 3749.2 | 2952.7 | 2156.3 | 2094.4 | 2033.3 | 1987.7 | 1813.5 |
| 65° | *16168.4* | *11985.8* | *7803.2* | *5271.9* | *2740.6* | *2320.6* | *1899.9* | *1886.5* | *1873.9* | *1861.3* | *1717.3* |
| 67.5° | 14356.3 | 10293.8 | 6231.4 | 4102.5 | 1973.6 | 1774.2 | 1574.7 | 1611.9 | 1649.1 | 1668.1 | 1569.8 |
| 70° | 12621.4 | 8745.1 | 4868.8 | 3143.8 | 1418.8 | 1348.5 | 1278.3 | 1333.8 | 1389.3 | 1383.7 | 1335.9 |
| 72.5° | 10833.9 | 7261.7 | 3688.8 | 2363.4 | 1038.1 | 1036.7 | 1036.0 | 1078.1 | 1120.3 | 1064.1 | 1094.3 |
| 75° | 8870.8 | 5798.0 | 2725.2 | 1751.7 | 778.2 | 773.3 | 769.1 | 819.0 | 869.5 | 892.0 | 911.7 |
| 77.5° | 5899.8 | 3804.0 | 1708.1 | 1132.2 | 556.3 | 560.5 | 563.3 | 618.1 | 672.9 | 737.5 | 741.0 |
| 80° | 3462.6 | 2180.8 | 899.0 | 625.8 | 352.6 | 356.8 | 359.6 | 417.2 | 474.1 | 565.4 | 561.9 |
| 82.5° | 1731.3 | 1092.9 | 455.1 | 336.4 | 217.7 | 218.4 | 219.1 | 247.2 | 275.3 | 326.6 | 340.6 |
| 85° | 393.3 | 259.9 | 126.4 | 106.8 | 87.8 | 92.0 | 96.9 | 115.2 | 133.4 | 161.5 | 170.0 |
| 87.5° | 31.6 | 30.9 | 29.5 | 28.8 | 28.1 | 29.5 | 31.6 | 35.1 | 38.6 | 42.1 | 49.2 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 4502.8 | 4465.6 | 4436.1 | 4407.3 | 4382.0 | 4356.0 | 4325.8 | 4294.9 | 4273.2 | 4250.7 | 4235.9 |
| 5° | 4433.3 | 4367.3 | 4312.5 | 4257.7 | 4212.8 | 4166.4 | 4125.7 | 4084.2 | 4051.9 | 4018.9 | 3992.2 |
| 7.5° | 4411.5 | 4330.1 | 4259.1 | 4187.5 | 4127.1 | 4066.7 | 4016.1 | 3964.8 | 3916.4 | 3868.6 | 3837.7 |
| 10° | 4412.2 | 4326.5 | 4253.5 | 4180.5 | 4116.5 | 4052.6 | 3985.9 | 3919.2 | 3865.8 | 3812.4 | 3766.1 |
| 12.5° | 4436.1 | 4365.2 | 4313.9 | 4263.3 | 4204.3 | 4145.3 | 4066.0 | 3985.9 | 3913.6 | 3841.9 | 3785.0 |
| 15° | 4443.1 | 4396.8 | 4392.6 | 4388.4 | 4368.0 | 4347.6 | 4273.9 | 4200.1 | 4100.4 | 3999.9 | 3918.5 |
| 17.5° | 4389.1 | 4382.7 | 4452.3 | 4521.8 | 4561.8 | 4601.9 | 4550.6 | 4498.6 | 4358.2 | 4217.7 | 4096.2 |
| 20° | 4248.6 | 4287.9 | 4424.2 | 4559.7 | 4667.9 | 4776.1 | 4770.4 | 4765.5 | 4582.2 | 4398.2 | 4238.8 |
| 22.5° | 4051.9 | 4110.2 | 4287.9 | 4465.6 | 4621.5 | 4777.5 | 4817.5 | 4856.8 | 4677.0 | 4496.5 | 4299.9 |
| 25° | 3842.6 | 3906.5 | 4070.9 | 4235.2 | 4403.1 | 4571.0 | 4645.4 | 4719.9 | 4571.7 | 4423.5 | 4232.4 |
| 27.5° | 3639.6 | 3701.4 | 3823.7 | 3945.9 | 4080.7 | 4215.6 | 4299.2 | 4382.7 | 4292.1 | 4201.5 | 4047.0 |
| 30° | 3448.6 | 3496.4 | 3584.9 | 3673.4 | 3764.7 | 3856.0 | 3922.7 | 3989.4 | 3929.7 | 3870.0 | 3759.0 |
| 32.5° | 3272.3 | 3292.7 | 3350.3 | 3407.9 | 3476.0 | 3543.4 | 3580.6 | 3617.2 | 3570.8 | 3524.5 | 3451.4 |
| 35° | 3114.3 | 3097.4 | 3135.3 | 3173.3 | 3228.1 | 3283.5 | 3311.6 | 3339.7 | 3301.1 | 3262.5 | 3197.2 |
| 37.5° | 2955.5 | 2909.2 | 2927.4 | 2944.3 | 2991.4 | 3037.7 | 3077.7 | 3118.5 | 3090.4 | 3062.3 | 3006.8 |
| 40° | 2792.6 | 2725.2 | 2723.8 | 2721.7 | 2766.6 | 2810.9 | 2861.4 | 2911.3 | 2906.4 | 2900.8 | 2848.1 |
| 42.5° | 2619.8 | 2534.1 | 2525.0 | 2515.9 | 2560.1 | 2604.4 | 2657.7 | 2711.1 | 2721.7 | 2732.2 | 2688.6 |
| 45° | 2459.7 | 2372.6 | 2358.5 | 2344.5 | 2382.4 | 2421.7 | 2480.0 | 2539.0 | 2563.6 | 2588.2 | 2548.9 |
| 47.5° | 2295.3 | 2219.5 | 2211.0 | 2201.9 | 2241.9 | 2282.7 | 2347.3 | 2412.6 | 2438.6 | 2465.3 | 2438.6 |
| 50° | 2131.0 | 2068.5 | 2079.0 | 2089.5 | 2133.8 | 2177.3 | 2227.9 | 2279.2 | 2327.6 | 2375.4 | 2370.5 |
| 52.5° | 2001.0 | 1954.0 | 1987.0 | 2019.3 | 2059.3 | 2100.1 | 2152.7 | 2205.4 | 2256.0 | 2307.3 | 2315.0 |
| 55° | 1906.2 | 1854.2 | 1900.6 | 1946.9 | 1995.4 | 2043.9 | 2093.0 | 2142.2 | 2190.0 | 2237.0 | 2247.6 |
| 57.5° | 1833.9 | 1761.5 | 1807.9 | 1854.2 | 1906.9 | 1959.6 | 2008.8 | 2057.9 | 2113.4 | 2168.9 | 2177.3 |
| 60° | 1773.5 | 1682.2 | 1713.1 | 1743.3 | 1797.3 | 1850.7 | 1902.0 | 1952.6 | 2008.8 | 2064.9 | 2076.2 |
| 62.5° | 1694.1 | 1574.7 | 1578.9 | 1581.7 | 1642.8 | 1703.2 | 1745.4 | 1787.5 | 1840.9 | 1895.0 | 1911.1 |
| 65° | *1588.7* | *1460.9* | *1446.9* | *1432.8* | *1490.4* | *1548.7* | *1581.7* | *1615.4* | *1661.8* | *1708.1* | *1724.3* |
| 67.5° | 1456.7 | 1342.9 | 1314.1 | 1285.3 | 1338.7 | 1392.1 | 1419.5 | 1446.9 | 1478.5 | 1510.1 | 1528.3 |
| 70° | 1268.5 | 1201.0 | 1182.8 | 1164.5 | 1208.1 | 1251.6 | 1275.5 | 1299.4 | 1324.7 | 1349.9 | 1359.8 |
| 72.5° | 1078.8 | 1064.1 | 1050.7 | 1038.1 | 1071.1 | 1104.1 | 1124.5 | 1144.8 | 1168.7 | 1192.6 | 1198.2 |
| 75° | 903.2 | 895.5 | 885.7 | 876.5 | 901.8 | 927.1 | 942.6 | 958.7 | 983.3 | 1007.9 | 1018.4 |
| 77.5° | 722.7 | 703.8 | 693.9 | 682.7 | 705.9 | 729.1 | 743.8 | 758.6 | 778.9 | 799.3 | 802.1 |
| 80° | 539.4 | 516.2 | 508.5 | 500.1 | 516.9 | 533.8 | 539.4 | 544.3 | 561.2 | 577.3 | 577.3 |
| 82.5° | 340.6 | 340.6 | 335.7 | 330.1 | 326.6 | 323.1 | 316.1 | 309.0 | 325.9 | 342.8 | 348.4 |
| 85° | 171.4 | 172.1 | 164.4 | 155.9 | 146.1 | 134.9 | 132.7 | 129.9 | 129.2 | 127.8 | 132.7 |
| 87.5° | 53.4 | 57.6 | 61.8 | 64.6 | 68.8 | 71.6 | 69.5 | 66.7 | 63.9 | 61.8 | 56.2 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 4221.2 | 4214.2 | 4207.1 | 4201.5 | 4196.6 | 4193.1 | 4196.6 | 4201.5 | 4207.1 | 4214.2 | 4221.2 |
| 5° | 3964.8 | 3953.6 | 3941.7 | 3933.9 | 3926.2 | 3919.2 | 3926.2 | 3933.9 | 3941.7 | 3953.6 | 3964.8 |
| 7.5° | 3806.8 | 3788.5 | 3770.3 | 3756.9 | 3743.6 | 3736.6 | 3743.6 | 3756.9 | 3770.3 | 3788.5 | 3806.8 |
| 10° | 3721.1 | 3695.1 | 3669.8 | 3655.8 | 3641.7 | 3631.2 | 3641.7 | 3655.8 | 3669.8 | 3695.1 | 3721.1 |
| 12.5° | 3728.1 | 3695.8 | 3664.9 | 3643.9 | 3622.8 | 3610.1 | 3622.8 | 3643.9 | 3664.9 | 3695.8 | 3728.1 |
| 15° | 3836.3 | 3791.3 | 3745.0 | 3719.0 | 3693.0 | 3673.4 | 3693.0 | 3719.0 | 3745.0 | 3791.3 | 3836.3 |
| 17.5° | 3975.4 | 3909.3 | 3843.3 | 3820.1 | 3796.3 | 3785.7 | 3796.3 | 3820.1 | 3843.3 | 3909.3 | 3975.4 |
| 20° | 4079.3 | 3990.8 | 3903.7 | 3868.6 | 3833.5 | 3820.8 | 3833.5 | 3868.6 | 3903.7 | 3990.8 | 4079.3 |
| 22.5° | 4103.2 | 3999.2 | 3894.6 | 3861.6 | 3827.9 | 3813.8 | 3827.9 | 3861.6 | 3894.6 | 3999.2 | 4103.2 |
| 25° | 4042.1 | 3932.5 | 3822.3 | 3788.5 | 3754.1 | 3743.6 | 3754.1 | 3788.5 | 3822.3 | 3932.5 | 4042.1 |
| 27.5° | 3892.5 | 3795.6 | 3697.9 | 3662.1 | 3625.6 | 3603.1 | 3625.6 | 3662.1 | 3697.9 | 3795.6 | 3892.5 |
| 30° | 3648.8 | 3576.4 | 3504.8 | 3482.3 | 3459.1 | 3448.6 | 3459.1 | 3482.3 | 3504.8 | 3576.4 | 3648.8 |
| 32.5° | 3378.4 | 3333.4 | 3288.5 | 3273.7 | 3259.0 | 3251.9 | 3259.0 | 3273.7 | 3288.5 | 3333.4 | 3378.4 |
| 35° | 3132.5 | 3100.2 | 3067.9 | 3056.0 | 3044.7 | 3034.2 | 3044.7 | 3056.0 | 3067.9 | 3100.2 | 3132.5 |
| 37.5° | 2951.3 | 2913.4 | 2874.1 | 2853.0 | 2831.9 | 2816.5 | 2831.9 | 2853.0 | 2874.1 | 2913.4 | 2951.3 |
| 40° | 2795.4 | 2740.6 | 2686.5 | 2657.7 | 2628.2 | 2612.8 | 2628.2 | 2657.7 | 2686.5 | 2740.6 | 2795.4 |
| 42.5° | 2644.4 | 2581.2 | 2518.0 | 2473.7 | 2430.2 | 2402.1 | 2430.2 | 2473.7 | 2518.0 | 2581.2 | 2644.4 |
| 45° | 2508.8 | 2437.9 | 2367.0 | 2314.3 | 2261.6 | 2226.5 | 2261.6 | 2314.3 | 2367.0 | 2437.9 | 2508.8 |
| 47.5° | 2412.6 | 2351.5 | 2289.7 | 2243.3 | 2197.0 | 2163.3 | 2197.0 | 2243.3 | 2289.7 | 2351.5 | 2412.6 |
| 50° | 2365.6 | 2317.1 | 2268.6 | 2225.1 | 2180.8 | 2149.2 | 2180.8 | 2225.1 | 2268.6 | 2317.1 | 2365.6 |
| 52.5° | 2323.4 | 2288.3 | 2253.2 | 2215.2 | 2177.3 | 2149.2 | 2177.3 | 2215.2 | 2253.2 | 2288.3 | 2323.4 |
| 55° | 2258.1 | 2232.8 | 2206.8 | 2178.7 | 2150.6 | 2128.2 | 2150.6 | 2178.7 | 2206.8 | 2232.8 | 2258.1 |
| 57.5° | 2185.7 | 2159.1 | 2131.7 | 2110.6 | 2089.5 | 2079.0 | 2089.5 | 2110.6 | 2131.7 | 2159.1 | 2185.7 |
| 60° | 2087.4 | 2066.3 | 2045.3 | 2025.6 | 2005.2 | 1987.7 | 2005.2 | 2025.6 | 2045.3 | 2066.3 | 2087.4 |
| 62.5° | 1928.0 | 1918.1 | 1909.0 | 1886.5 | 1864.8 | 1840.2 | 1864.8 | 1886.5 | 1909.0 | 1918.1 | 1928.0 |
| 65° | *1740.5* | *1735.5* | *1731.3* | *1715.2* | *1699.7* | *1671.6* | *1699.7* | *1715.2* | *1731.3* | *1735.5* | *1740.5* |
| 67.5° | 1546.6 | 1537.5 | 1527.6 | 1510.8 | 1494.6 | 1489.0 | 1494.6 | 1510.8 | 1527.6 | 1537.5 | 1546.6 |
| 70° | 1369.6 | 1355.6 | 1341.5 | 1303.6 | 1265.7 | 1222.1 | 1265.7 | 1303.6 | 1341.5 | 1355.6 | 1369.6 |
| 72.5° | 1204.6 | 1182.8 | 1160.3 | 1116.1 | 1071.1 | 1025.4 | 1071.1 | 1116.1 | 1160.3 | 1182.8 | 1204.6 |
| 75° | 1029.0 | 998.1 | 967.9 | 920.8 | 874.4 | 842.8 | 874.4 | 920.8 | 967.9 | 998.1 | 1029.0 |
| 77.5° | 806.3 | 779.6 | 752.9 | 724.8 | 696.7 | 681.3 | 696.7 | 724.8 | 752.9 | 779.6 | 806.3 |
| 80° | 577.3 | 557.7 | 537.3 | 523.3 | 509.2 | 498.7 | 509.2 | 523.3 | 537.3 | 557.7 | 577.3 |
| 82.5° | 354.7 | 345.6 | 337.1 | 321.7 | 305.5 | 295.0 | 305.5 | 321.7 | 337.1 | 345.6 | 354.7 |
| 85° | 137.0 | 134.9 | 133.4 | 127.8 | 122.9 | 119.4 | 122.9 | 127.8 | 133.4 | 134.9 | 137.0 |
| 87.5° | 50.6 | 46.4 | 42.1 | 39.3 | 36.5 | 35.1 | 36.5 | 39.3 | 42.1 | 46.4 | 50.6 |
| 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: P1364250
CATALOG NUMBER: GSS-SB3D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 4235.9 | 4250.7 | 4273.2 | 4294.9 | 4325.8 | 4356.0 | 4382.0 | 4407.3 | 4436.1 | 4465.6 | 4502.8 |
| 5° | 3992.2 | 4018.9 | 4051.9 | 4084.2 | 4125.7 | 4166.4 | 4212.8 | 4257.7 | 4312.5 | 4367.3 | 4433.3 |
| 7.5° | 3837.7 | 3868.6 | 3916.4 | 3964.8 | 4016.1 | 4066.7 | 4127.1 | 4187.5 | 4259.1 | 4330.1 | 4411.5 |
| 10° | 3766.1 | 3812.4 | 3865.8 | 3919.2 | 3985.9 | 4052.6 | 4116.5 | 4180.5 | 4253.5 | 4326.5 | 4412.2 |
| 12.5° | 3785.0 | 3841.9 | 3913.6 | 3985.9 | 4066.0 | 4145.3 | 4204.3 | 4263.3 | 4313.9 | 4365.2 | 4436.1 |
| 15° | 3918.5 | 3999.9 | 4100.4 | 4200.1 | 4273.9 | 4347.6 | 4368.0 | 4388.4 | 4392.6 | 4396.8 | 4443.1 |
| 17.5° | 4096.2 | 4217.7 | 4358.2 | 4498.6 | 4550.6 | 4601.9 | 4561.8 | 4521.8 | 4452.3 | 4382.7 | 4389.1 |
| 20° | 4238.8 | 4398.2 | 4582.2 | 4765.5 | 4770.4 | 4776.1 | 4667.9 | 4559.7 | 4424.2 | 4287.9 | 4248.6 |
| 22.5° | 4299.9 | 4496.5 | 4677.0 | 4856.8 | 4817.5 | 4777.5 | 4621.5 | 4465.6 | 4287.9 | 4110.2 | 4051.9 |
| 25° | 4232.4 | 4423.5 | 4571.7 | 4719.9 | 4645.4 | 4571.0 | 4403.1 | 4235.2 | 4070.9 | 3906.5 | 3842.6 |
| 27.5° | 4047.0 | 4201.5 | 4292.1 | 4382.7 | 4299.2 | 4215.6 | 4080.7 | 3945.9 | 3823.7 | 3701.4 | 3639.6 |
| 30° | 3759.0 | 3870.0 | 3929.7 | 3989.4 | 3922.7 | 3856.0 | 3764.7 | 3673.4 | 3584.9 | 3496.4 | 3448.6 |
| 32.5° | 3451.4 | 3524.5 | 3570.8 | 3617.2 | 3580.6 | 3543.4 | 3476.0 | 3407.9 | 3350.3 | 3292.7 | 3272.3 |
| 35° | 3197.2 | 3262.5 | 3301.1 | 3339.7 | 3311.6 | 3283.5 | 3228.1 | 3173.3 | 3135.3 | 3097.4 | 3114.3 |
| 37.5° | 3006.8 | 3062.3 | 3090.4 | 3118.5 | 3077.7 | 3037.7 | 2991.4 | 2944.3 | 2927.4 | 2909.2 | 2955.5 |
| 40° | 2848.1 | 2900.8 | 2906.4 | 2911.3 | 2861.4 | 2810.9 | 2766.6 | 2721.7 | 2723.8 | 2725.2 | 2792.6 |
| 42.5° | 2688.6 | 2732.2 | 2721.7 | 2711.1 | 2657.7 | 2604.4 | 2560.1 | 2515.9 | 2525.0 | 2534.1 | 2619.8 |
| 45° | 2548.9 | 2588.2 | 2563.6 | 2539.0 | 2480.0 | 2421.7 | 2382.4 | 2344.5 | 2358.5 | 2372.6 | 2459.7 |
| 47.5° | 2438.6 | 2465.3 | 2438.6 | 2412.6 | 2347.3 | 2282.7 | 2241.9 | 2201.9 | 2211.0 | 2219.5 | 2295.3 |
| 50° | 2370.5 | 2375.4 | 2327.6 | 2279.2 | 2227.9 | 2177.3 | 2133.8 | 2089.5 | 2079.0 | 2068.5 | 2131.0 |
| 52.5° | 2315.0 | 2307.3 | 2256.0 | 2205.4 | 2152.7 | 2100.1 | 2059.3 | 2019.3 | 1987.0 | 1954.0 | 2001.0 |
| 55° | 2247.6 | 2237.0 | 2190.0 | 2142.2 | 2093.0 | 2043.9 | 1995.4 | 1946.9 | 1900.6 | 1854.2 | 1906.2 |
| 57.5° | 2177.3 | 2168.9 | 2113.4 | 2057.9 | 2008.8 | 1959.6 | 1906.9 | 1854.2 | 1807.9 | 1761.5 | 1833.9 |
| 60° | 2076.2 | 2064.9 | 2008.8 | 1952.6 | 1902.0 | 1850.7 | 1797.3 | 1743.3 | 1713.1 | 1682.2 | 1773.5 |
| 62.5° | 1911.1 | 1895.0 | 1840.9 | 1787.5 | 1745.4 | 1703.2 | 1642.8 | 1581.7 | 1578.9 | 1574.7 | 1694.1 |
| 65° | *1724.3* | *1708.1* | *1661.8* | *1615.4* | *1581.7* | *1548.7* | *1490.4* | *1432.8* | *1446.9* | *1460.9* | *1588.7* |
| 67.5° | 1528.3 | 1510.1 | 1478.5 | 1446.9 | 1419.5 | 1392.1 | 1338.7 | 1285.3 | 1314.1 | 1342.9 | 1456.7 |
| 70° | 1359.8 | 1349.9 | 1324.7 | 1299.4 | 1275.5 | 1251.6 | 1208.1 | 1164.5 | 1182.8 | 1201.0 | 1268.5 |
| 72.5° | 1198.2 | 1192.6 | 1168.7 | 1144.8 | 1124.5 | 1104.1 | 1071.1 | 1038.1 | 1050.7 | 1064.1 | 1078.8 |
| 75° | 1018.4 | 1007.9 | 983.3 | 958.7 | 942.6 | 927.1 | 901.8 | 876.5 | 885.7 | 895.5 | 903.2 |
| 77.5° | 802.1 | 799.3 | 778.9 | 758.6 | 743.8 | 729.1 | 705.9 | 682.7 | 693.9 | 703.8 | 722.7 |
| 80° | 577.3 | 577.3 | 561.2 | 544.3 | 539.4 | 533.8 | 516.9 | 500.1 | 508.5 | 516.2 | 539.4 |
| 82.5° | 348.4 | 342.8 | 325.9 | 309.0 | 316.1 | 323.1 | 326.6 | 330.1 | 335.7 | 340.6 | 340.6 |
| 85° | 132.7 | 127.8 | 129.2 | 129.9 | 132.7 | 134.9 | 146.1 | 155.9 | 164.4 | 172.1 | 171.4 |
| 87.5° | 56.2 | 61.8 | 63.9 | 66.7 | 69.5 | 71.6 | 68.8 | 64.6 | 61.8 | 57.6 | 53.4 |
| 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
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364250
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 4540.8 | 4575.9 | 4615.9 | 4656.0 | 4695.3 | 4736.7 | 4777.5 | 4818.2 | 4858.9 | 4903.2 | 4948.1 |
| 5° | 4500.7 | 4568.9 | 4648.2 | 4724.1 | 4800.6 | 4881.4 | 4962.2 | 5044.4 | 5127.2 | 5205.9 | 5285.3 |
| 7.5° | 4493.7 | 4575.9 | 4681.2 | 4782.4 | 4882.8 | 4995.2 | 5107.6 | 5233.3 | 5359.0 | 5492.5 | 5625.9 |
| 10° | 4498.6 | 4586.4 | 4698.8 | 4814.7 | 4930.6 | 5069.6 | 5208.0 | 5364.6 | 5520.6 | 5680.7 | 5840.1 |
| 12.5° | 4507.8 | 4593.4 | 4716.4 | 4843.5 | 4971.3 | 5126.5 | 5281.8 | 5456.6 | 5631.5 | 5790.3 | 5949.0 |
| 15° | 4489.5 | 4565.4 | 4702.3 | 4846.3 | 4990.3 | 5158.1 | 5325.3 | 5503.0 | 5680.7 | 5840.8 | 6001.7 |
| 17.5° | 4395.4 | 4460.0 | 4620.1 | 4787.3 | 4955.2 | 5145.5 | 5336.5 | 5526.2 | 5715.8 | 5865.4 | 6015.7 |
| 20° | 4208.6 | 4249.3 | 4461.4 | 4681.9 | 4902.5 | 5126.5 | 5350.6 | 5554.3 | 5758.0 | 5909.7 | 6061.4 |
| 22.5° | 3992.9 | 4031.6 | 4284.4 | 4561.1 | 4837.9 | 5111.8 | 5385.7 | 5609.1 | 5833.1 | 5971.5 | 6110.5 |
| 25° | 3778.7 | 3782.2 | 4072.3 | 4417.2 | 4762.0 | 5110.4 | 5458.8 | 5703.2 | 5947.6 | 6067.7 | 6187.8 |
| 27.5° | 3578.5 | 3561.0 | 3857.4 | 4269.7 | 4681.2 | 5123.7 | 5566.2 | 5840.8 | 6116.2 | 6208.2 | 6300.2 |
| 30° | 3400.8 | 3381.9 | 3669.8 | 4141.1 | 4613.1 | 5152.5 | 5692.6 | 6003.8 | 6314.2 | 6385.9 | 6458.2 |
| 32.5° | 3251.9 | 3251.9 | 3517.4 | 4028.7 | 4540.8 | 5184.8 | 5829.6 | 6195.5 | 6561.5 | 6606.4 | 6651.4 |
| 35° | 3131.1 | 3174.7 | 3379.8 | 3900.9 | 4421.4 | 5177.1 | 5933.6 | 6399.2 | 6865.6 | 6921.8 | 6978.0 |
| 37.5° | 3000.5 | 3083.4 | 3244.9 | 3759.0 | 4273.9 | 5155.3 | 6036.8 | 6647.9 | 7258.9 | 7325.6 | 7392.4 |
| 40° | 2860.0 | 2964.0 | 3091.8 | 3589.8 | 4087.7 | 5106.2 | 6124.6 | 6932.3 | 7740.0 | 7872.1 | 8003.4 |
| 42.5° | 2705.5 | 2834.0 | 2923.2 | 3388.2 | 3852.5 | 5021.2 | 6189.2 | 7247.0 | 8303.3 | 8582.2 | 8860.3 |
| 45° | 2548.2 | 2676.0 | 2756.8 | 3183.1 | 3610.1 | 4962.9 | 6315.6 | 7674.0 | 9032.4 | 9478.4 | 9924.4 |
| 47.5° | 2370.5 | 2489.9 | 2583.3 | 2979.4 | 3377.0 | 4894.8 | 6412.6 | 8113.0 | 9813.4 | 10378.1 | 10942.8 |
| 50° | 2192.8 | 2310.8 | 2438.6 | 2798.2 | 3157.1 | 4778.9 | 6399.9 | 8495.8 | 10591.6 | 11357.2 | 12122.8 |
| 52.5° | 2047.4 | 2173.8 | 2337.5 | 2635.3 | 2934.5 | 4541.5 | 6149.2 | 8677.0 | 11204.1 | 12420.6 | 13636.4 |
| 55° | 1958.2 | 2107.1 | 2270.0 | 2499.0 | 2726.6 | 4226.8 | 5725.7 | 8629.2 | 11532.8 | 13488.9 | 15444.9 |
| 57.5° | 1906.9 | 2089.5 | 2226.5 | 2383.8 | 2541.1 | 3897.4 | 5253.7 | 8368.6 | 11483.6 | 14385.8 | 17288.6 |
| 60° | 1864.8 | 2047.4 | 2154.8 | 2265.1 | 2375.4 | 3480.9 | 4586.4 | 7744.2 | 10902.1 | 14787.5 | 18672.3 |
| 62.5° | 1813.5 | 1987.7 | 2033.3 | 2094.4 | 2156.3 | 2952.7 | 3749.2 | 6720.9 | 9692.6 | 13896.2 | 18099.9 |
| 65° | *1717.3* | *1861.3* | *1873.9* | *1886.5* | *1899.9* | *2320.6* | *2740.6* | *5271.9* | *7803.2* | *11985.8* | *16168.4* |
| 67.5° | 1569.8 | 1668.1 | 1649.1 | 1611.9 | 1574.7 | 1774.2 | 1973.6 | 4102.5 | 6231.4 | 10293.8 | 14356.3 |
| 70° | 1335.9 | 1383.7 | 1389.3 | 1333.8 | 1278.3 | 1348.5 | 1418.8 | 3143.8 | 4868.8 | 8745.1 | 12621.4 |
| 72.5° | 1094.3 | 1064.1 | 1120.3 | 1078.1 | 1036.0 | 1036.7 | 1038.1 | 2363.4 | 3688.8 | 7261.7 | 10833.9 |
| 75° | 911.7 | 892.0 | 869.5 | 819.0 | 769.1 | 773.3 | 778.2 | 1751.7 | 2725.2 | 5798.0 | 8870.8 |
| 77.5° | 741.0 | 737.5 | 672.9 | 618.1 | 563.3 | 560.5 | 556.3 | 1132.2 | 1708.1 | 3804.0 | 5899.8 |
| 80° | 561.9 | 565.4 | 474.1 | 417.2 | 359.6 | 356.8 | 352.6 | 625.8 | 899.0 | 2180.8 | 3462.6 |
| 82.5° | 340.6 | 326.6 | 275.3 | 247.2 | 219.1 | 218.4 | 217.7 | 336.4 | 455.1 | 1092.9 | 1731.3 |
| 85° | 170.0 | 161.5 | 133.4 | 115.2 | 96.9 | 92.0 | 87.8 | 106.8 | 126.4 | 259.9 | 393.3 |
| 87.5° | 49.2 | 42.1 | 38.6 | 35.1 | 31.6 | 29.5 | 28.1 | 28.8 | 29.5 | 30.9 | 31.6 |
| 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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Scaled Data Report

REPORT NUMBER: P1364250
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | *4579.4* | 4579.4 | 4579.4 |
| 2.5° | 4965.7 | 4983.3 | 5002.2 | 5021.9 | 5033.1 | 5044.4 | 5056.3 | 5067.5 | *5078.1* | 5067.5 | 5056.3 |
| 5° | 5364.6 | 5443.3 | 5496.7 | 5550.1 | 5590.8 | 5631.5 | 5654.7 | 5678.6 | *5682.1* | 5678.6 | 5654.7 |
| 7.5° | 5720.0 | 5814.2 | 5895.6 | 5977.1 | 6029.1 | 6081.0 | 6111.2 | 6142.2 | *6152.7* | 6142.2 | 6111.2 |
| 10° | 5950.4 | 6061.4 | 6140.0 | 6219.4 | 6267.9 | 6315.6 | 6339.5 | 6363.4 | *6370.4* | 6363.4 | 6339.5 |
| 12.5° | 6055.1 | 6161.1 | 6222.2 | 6282.6 | 6313.5 | 6343.7 | 6355.0 | 6364.8 | *6356.4* | 6364.8 | 6355.0 |
| 15° | 6064.2 | 6126.0 | 6152.0 | 6177.3 | 6162.5 | 6147.1 | 6125.3 | 6103.5 | *6089.5* | 6103.5 | 6125.3 |
| 17.5° | 6037.5 | 6060.0 | 6012.9 | 5966.6 | 5882.3 | 5798.0 | 5734.8 | 5671.6 | *5625.9* | 5671.6 | 5734.8 |
| 20° | 6026.3 | 5991.1 | 5866.1 | 5741.8 | 5583.8 | 5425.7 | 5319.7 | 5212.9 | *5148.3* | 5212.9 | 5319.7 |
| 22.5° | 6011.5 | 5912.5 | 5702.5 | 5492.5 | 5276.1 | 5060.5 | 4938.3 | 4816.8 | *4748.0* | 4816.8 | 4938.3 |
| 25° | 6017.8 | 5847.2 | 5563.4 | 5280.4 | 5026.1 | 4772.5 | 4639.8 | 4507.8 | *4431.9* | 4507.8 | 4639.8 |
| 27.5° | 6040.3 | 5780.4 | 5429.3 | 5078.1 | 4802.7 | 4526.7 | 4400.3 | 4273.9 | *4207.1* | 4273.9 | 4400.3 |
| 30° | 6113.4 | 5767.8 | 5347.8 | 4927.1 | 4639.1 | 4351.1 | 4227.5 | 4103.2 | *4031.6* | 4103.2 | 4227.5 |
| 32.5° | 6215.9 | 5780.4 | 5309.9 | 4839.3 | 4545.7 | 4252.8 | 4134.1 | 4016.1 | *3954.3* | 4016.1 | 4134.1 |
| 35° | 6426.6 | 5875.3 | 5353.4 | 4832.2 | 4559.7 | 4287.9 | 4200.8 | 4114.4 | *4080.7* | 4114.4 | 4200.8 |
| 37.5° | 6748.3 | 6103.5 | 5566.2 | 5028.9 | 4843.5 | 4658.1 | 4658.1 | 4658.1 | *4684.8* | 4658.1 | 4658.1 |
| 40° | 7280.0 | 6556.5 | 6048.0 | 5540.2 | 5529.0 | 5519.2 | 5637.2 | 5755.9 | *5808.5* | 5755.9 | 5637.2 |
| 42.5° | 8095.4 | 7331.3 | 6921.1 | 6510.9 | 6756.7 | 7002.5 | 7343.9 | 7685.2 | *7908.6* | 7685.2 | 7343.9 |
| 45° | 9179.9 | 8435.4 | 8148.8 | 7862.9 | 8410.1 | 8956.5 | 9559.8 | 10163.2 | *10591.6* | 10163.2 | 9559.8 |
| 47.5° | 10316.3 | 9689.1 | 9525.4 | 9362.5 | 10272.0 | 11181.6 | 12065.9 | 12950.1 | *13471.3* | 12950.1 | 12065.9 |
| 50° | 11559.5 | 10995.5 | 10963.9 | 10932.3 | 12143.8 | 13355.4 | 14496.7 | 15638.1 | *16273.7* | 15638.1 | 14496.7 |
| 52.5° | 13017.6 | 12398.1 | 12423.4 | 12447.3 | 13886.4 | 15325.5 | 16705.7 | 18085.8 | *18802.2* | 18085.8 | 16705.7 |
| 55° | 14668.8 | 13892.7 | 13888.5 | 13884.3 | 15537.6 | 17192.4 | 18887.9 | 20584.8 | *21541.4* | 20584.8 | 18887.9 |
| 57.5° | 16561.7 | 15834.7 | 15662.0 | 15488.5 | 17217.7 | 18946.2 | 20818.7 | 22691.9 | *23697.7* | 22691.9 | 20818.7 |
| 60° | 18271.9 | 17871.6 | 17594.9 | 17318.8 | 19094.4 | 20870.7 | 22805.0 | 24738.6 | *25741.6* | 24738.6 | 22805.0 |
| 62.5° | 18815.6 | 19531.3 | 19510.9 | 19490.5 | 21407.3 | 23324.0 | 25335.6 | 27348.6 | *28249.0* | 27348.6 | 25335.6 |
| 65° | *17309.7* | *18451.0* | *19236.3* | *20020.8* | *22337.9* | *24654.3* | *26750.1* | *28846.0* | *29766.1* | *28846.0* | *26750.1* |
| 67.5° | 15362.1 | 16368.5 | 17011.2 | 17653.9 | 20264.5 | 22875.9 | 25254.1 | 27632.3 | *28579.1* | 27632.3 | 25254.1 |
| 70° | 13735.4 | 14849.3 | 15308.7 | 15768.0 | 17986.1 | 20203.4 | 22085.1 | 23966.0 | *24336.8* | 23966.0 | 22085.1 |
| 72.5° | 12158.6 | 13483.9 | 13678.5 | 13873.0 | 15487.1 | 17101.1 | 18103.4 | 19105.6 | *18296.5* | 19105.6 | 18103.4 |
| 75° | 10365.5 | 11859.4 | 11989.3 | 12119.3 | 12622.1 | 13125.7 | 13380.7 | 13636.4 | *13176.3* | 13636.4 | 13380.7 |
| 77.5° | 7193.6 | 8488.0 | 8779.5 | 9071.0 | 9406.0 | 9741.8 | 9724.2 | 9706.6 | *9060.5* | 9706.6 | 9724.2 |
| 80° | 4474.7 | 5486.8 | 5524.8 | 5562.7 | 5814.2 | 6064.9 | 6321.3 | 6577.6 | *6166.7* | 6577.6 | 6321.3 |
| 82.5° | 2286.9 | 2843.2 | 2928.8 | 3014.5 | 3168.4 | 3322.2 | 3393.8 | 3466.2 | *3118.5* | 3466.2 | 3393.8 |
| 85° | 538.0 | 682.7 | 822.5 | 962.2 | 1123.8 | 1285.3 | 1267.1 | 1248.8 | *1053.5* | 1248.8 | 1267.1 |
| 87.5° | 32.3 | 33.7 | 34.4 | 35.1 | 35.8 | 36.5 | 38.6 | 40.7 | *42.1* | 40.7 | 38.6 |
| 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: P1364250
CATALOG NUMBER: GSS-SB3D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 | 4579.4 |
| 2.5° | 5044.4 | 5033.1 | 5021.9 | 5002.2 | 4983.3 | 4965.7 | 4948.1 |
| 5° | 5631.5 | 5590.8 | 5550.1 | 5496.7 | 5443.3 | 5364.6 | 5285.3 |
| 7.5° | 6081.0 | 6029.1 | 5977.1 | 5895.6 | 5814.2 | 5720.0 | 5625.9 |
| 10° | 6315.6 | 6267.9 | 6219.4 | 6140.0 | 6061.4 | 5950.4 | 5840.1 |
| 12.5° | 6343.7 | 6313.5 | 6282.6 | 6222.2 | 6161.1 | 6055.1 | 5949.0 |
| 15° | 6147.1 | 6162.5 | 6177.3 | 6152.0 | 6126.0 | 6064.2 | 6001.7 |
| 17.5° | 5798.0 | 5882.3 | 5966.6 | 6012.9 | 6060.0 | 6037.5 | 6015.7 |
| 20° | 5425.7 | 5583.8 | 5741.8 | 5866.1 | 5991.1 | 6026.3 | 6061.4 |
| 22.5° | 5060.5 | 5276.1 | 5492.5 | 5702.5 | 5912.5 | 6011.5 | 6110.5 |
| 25° | 4772.5 | 5026.1 | 5280.4 | 5563.4 | 5847.2 | 6017.8 | 6187.8 |
| 27.5° | 4526.7 | 4802.7 | 5078.1 | 5429.3 | 5780.4 | 6040.3 | 6300.2 |
| 30° | 4351.1 | 4639.1 | 4927.1 | 5347.8 | 5767.8 | 6113.4 | 6458.2 |
| 32.5° | 4252.8 | 4545.7 | 4839.3 | 5309.9 | 5780.4 | 6215.9 | 6651.4 |
| 35° | 4287.9 | 4559.7 | 4832.2 | 5353.4 | 5875.3 | 6426.6 | 6978.0 |
| 37.5° | 4658.1 | 4843.5 | 5028.9 | 5566.2 | 6103.5 | 6748.3 | 7392.4 |
| 40° | 5519.2 | 5529.0 | 5540.2 | 6048.0 | 6556.5 | 7280.0 | 8003.4 |
| 42.5° | 7002.5 | 6756.7 | 6510.9 | 6921.1 | 7331.3 | 8095.4 | 8860.3 |
| 45° | 8956.5 | 8410.1 | 7862.9 | 8148.8 | 8435.4 | 9179.9 | 9924.4 |
| 47.5° | 11181.6 | 10272.0 | 9362.5 | 9525.4 | 9689.1 | 10316.3 | 10942.8 |
| 50° | 13355.4 | 12143.8 | 10932.3 | 10963.9 | 10995.5 | 11559.5 | 12122.8 |
| 52.5° | 15325.5 | 13886.4 | 12447.3 | 12423.4 | 12398.1 | 13017.6 | 13636.4 |
| 55° | 17192.4 | 15537.6 | 13884.3 | 13888.5 | 13892.7 | 14668.8 | 15444.9 |
| 57.5° | 18946.2 | 17217.7 | 15488.5 | 15662.0 | 15834.7 | 16561.7 | 17288.6 |
| 60° | 20870.7 | 19094.4 | 17318.8 | 17594.9 | 17871.6 | 18271.9 | 18672.3 |
| 62.5° | 23324.0 | 21407.3 | 19490.5 | 19510.9 | 19531.3 | 18815.6 | 18099.9 |
| 65° | *24654.3* | *22337.9* | *20020.8* | *19236.3* | *18451.0* | *17309.7* | *16168.4* |
| 67.5° | 22875.9 | 20264.5 | 17653.9 | 17011.2 | 16368.5 | 15362.1 | 14356.3 |
| 70° | 20203.4 | 17986.1 | 15768.0 | 15308.7 | 14849.3 | 13735.4 | 12621.4 |
| 72.5° | 17101.1 | 15487.1 | 13873.0 | 13678.5 | 13483.9 | 12158.6 | 10833.9 |
| 75° | 13125.7 | 12622.1 | 12119.3 | 11989.3 | 11859.4 | 10365.5 | 8870.8 |
| 77.5° | 9741.8 | 9406.0 | 9071.0 | 8779.5 | 8488.0 | 7193.6 | 5899.8 |
| 80° | 6064.9 | 5814.2 | 5562.7 | 5524.8 | 5486.8 | 4474.7 | 3462.6 |
| 82.5° | 3322.2 | 3168.4 | 3014.5 | 2928.8 | 2843.2 | 2286.9 | 1731.3 |
| 85° | 1285.3 | 1123.8 | 962.2 | 822.5 | 682.7 | 538.0 | 393.3 |
| 87.5° | 36.5 | 35.8 | 35.1 | 34.4 | 33.7 | 32.3 | 31.6 |
| 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

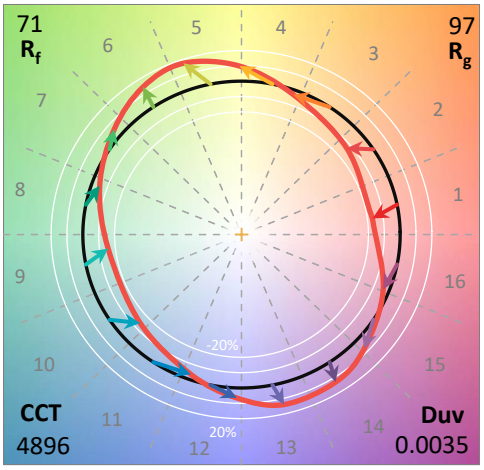
## Test Information

| | |
|---|---|
| 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 |



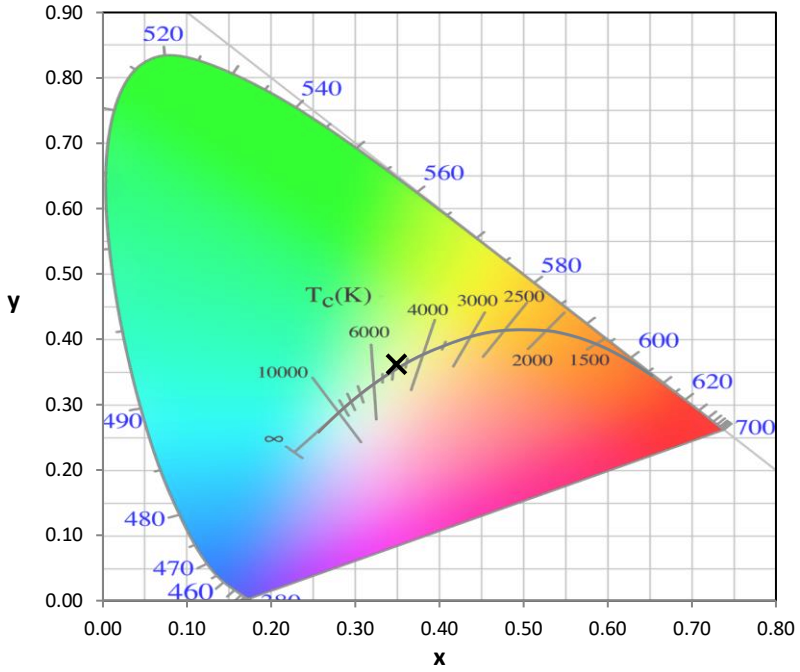

## Test Conditions

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

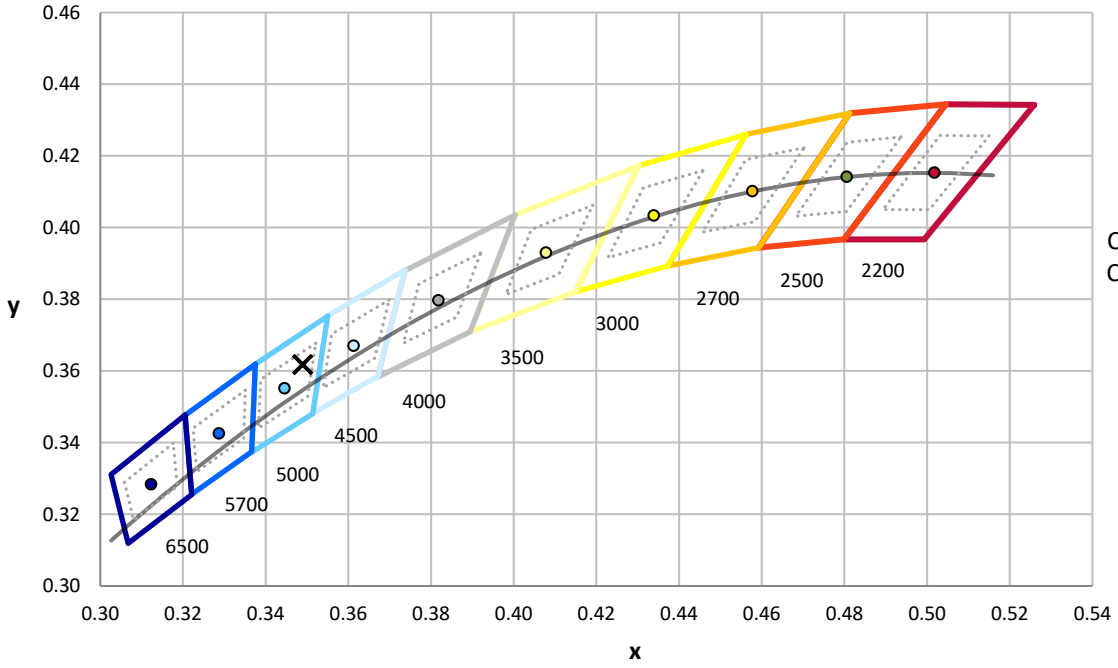
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

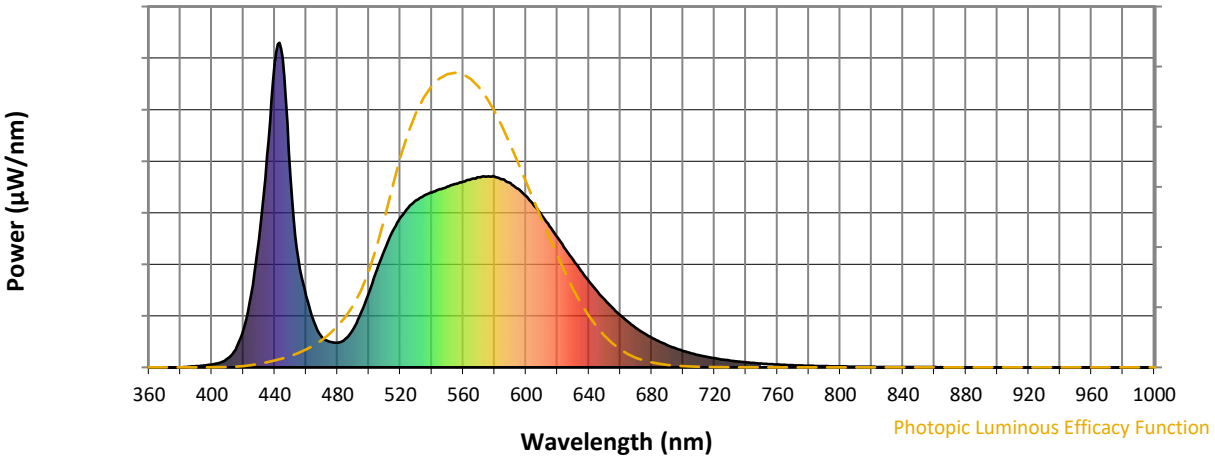



CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

## Photopic Flux vs. Wavelength

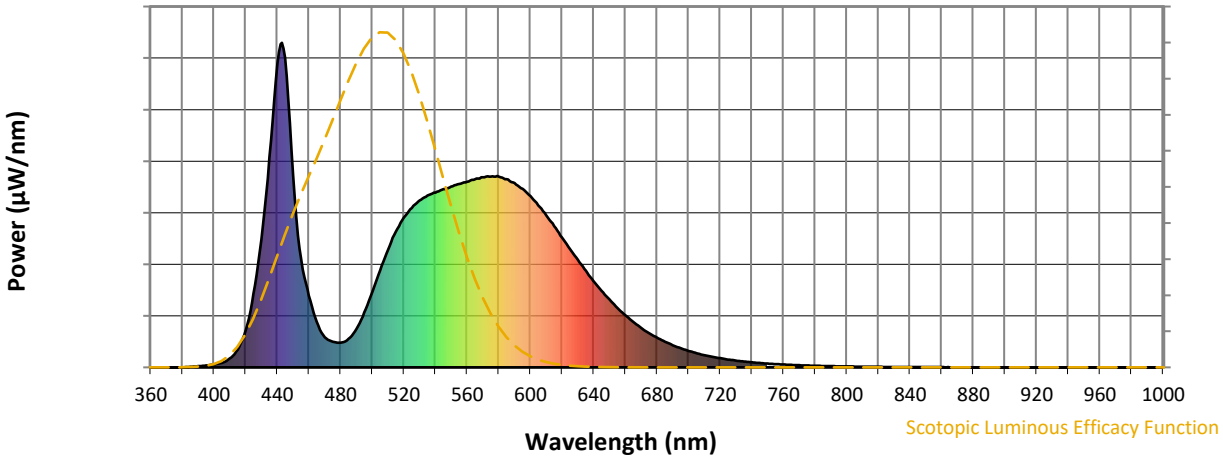



## Photopic Lumens: NR

| 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

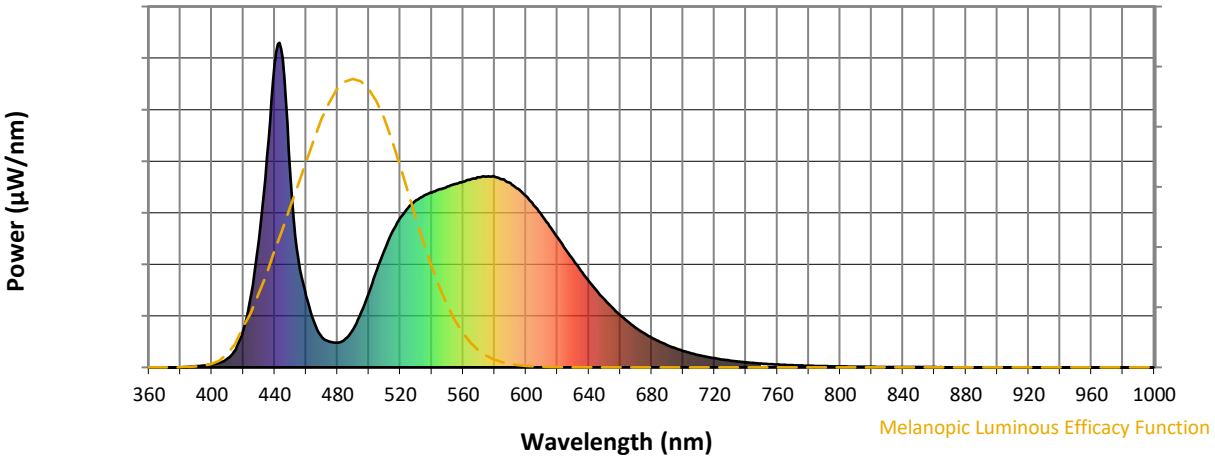



**Scotopic Lumens: NR** **S/P: 1.7**

| 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 | | | |

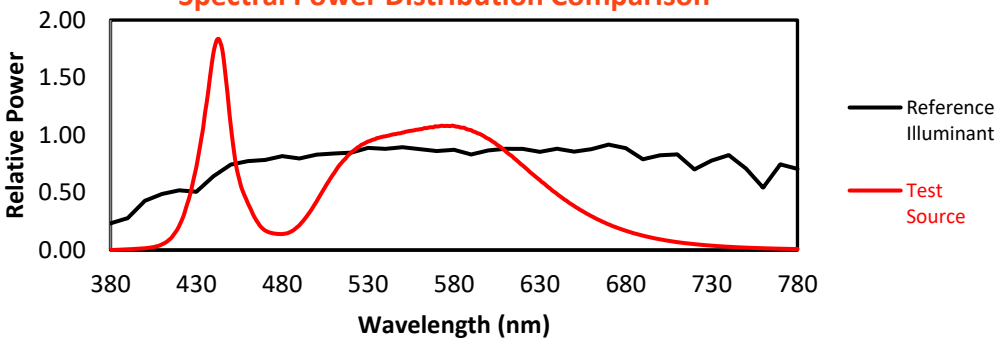
REPORT NUMBER: SP1-2407-184-6

# TM-30-18

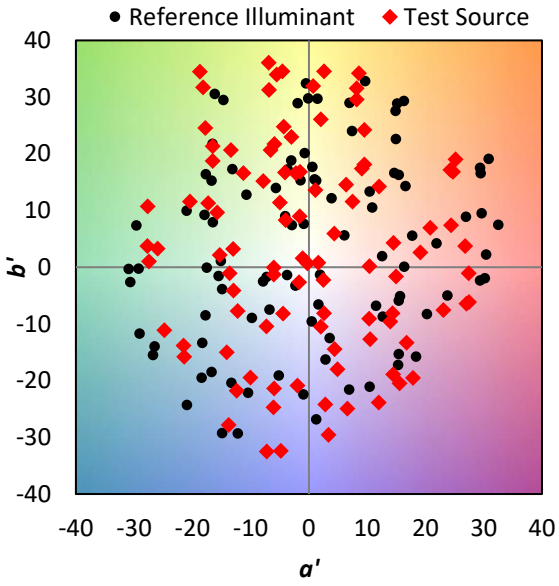
## Summary

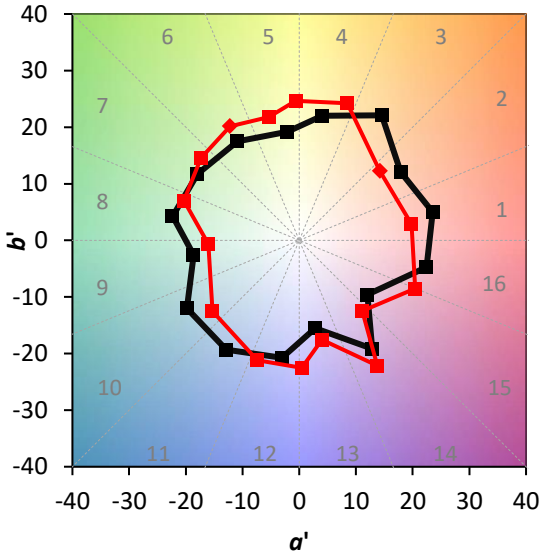
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$R_g$ = 96.8
CIE $R_a$ = 70.2
$R_9$ = -35.1

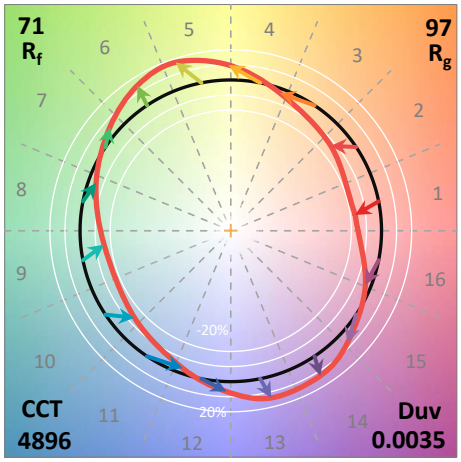
## Spectral Power Distribution Comparison

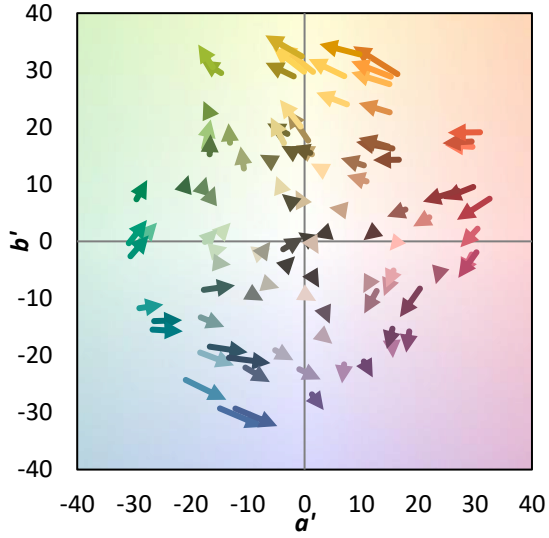



## Color Vector Graphics



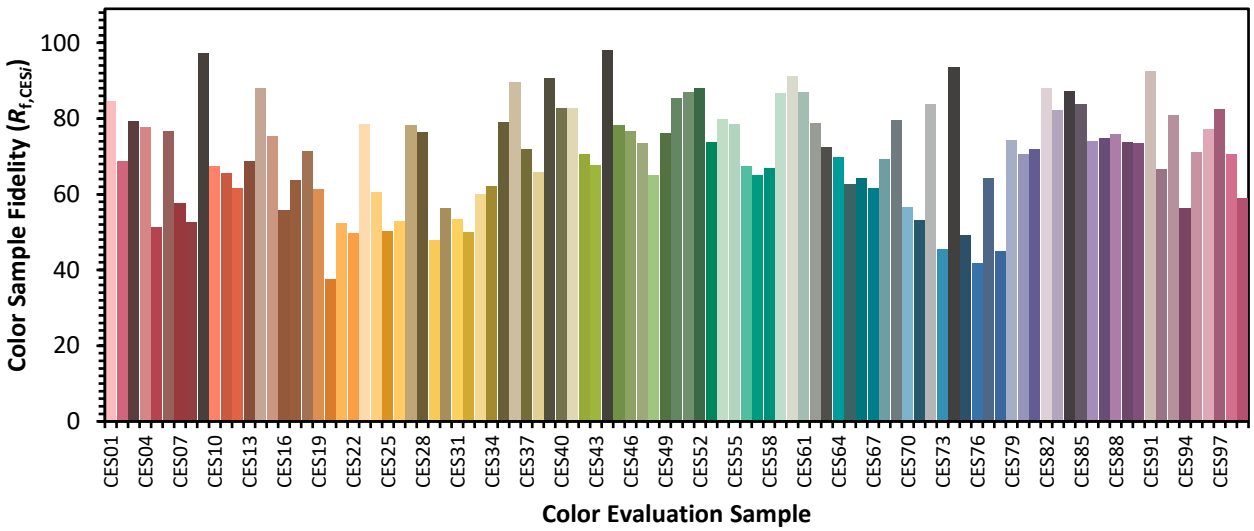



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**Individual Sample Fidelity Index ($R_{f,i}$)**

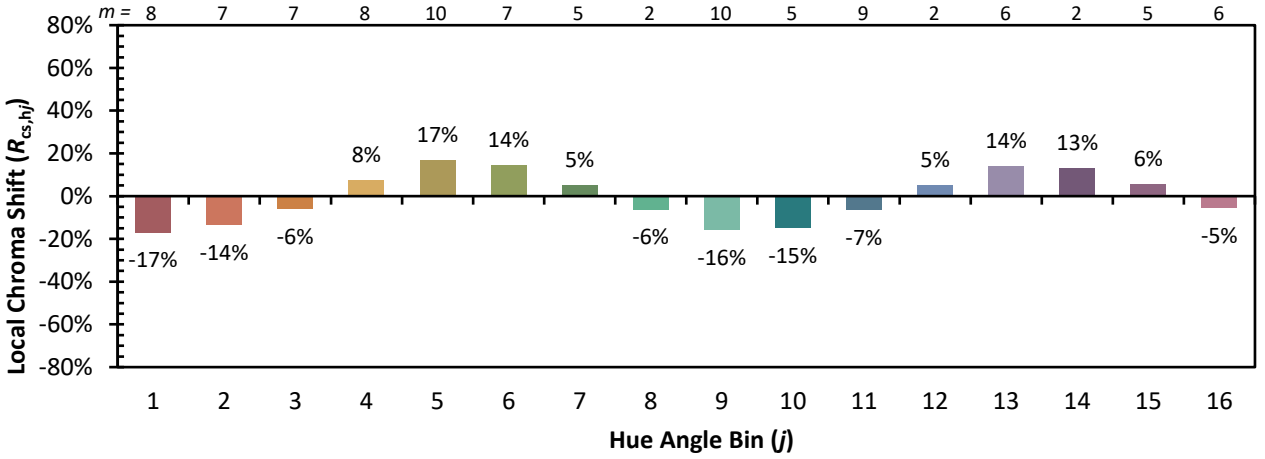
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 53 | CES51 = 87 | CES76 = 42 |
| CES02 = 59 | CES27 = 78 | CES52 = 88 | CES77 = 64 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 45 |
| CES04 = 69 | CES29 = 48 | CES54 = 80 | CES79 = 74 |
| CES05 = 46 | CES30 = 56 | CES55 = 79 | CES80 = 71 |
| CES06 = 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 |
| CES14 = 74 | CES39 = 91 | CES64 = 70 | CES89 = 74 |
| CES15 = 70 | CES40 = 83 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 83 | CES66 = 64 | CES91 = 92 |
| CES17 = 49 | CES42 = 70 | CES67 = 62 | CES92 = 67 |
| CES18 = 55 | CES43 = 68 | CES68 = 69 | CES93 = 81 |
| CES19 = 71 | CES44 = 98 | CES69 = 80 | CES94 = 56 |
| CES20 = 64 | CES45 = 78 | CES70 = 56 | CES95 = 71 |
| CES21 = 85 | CES46 = 77 | CES71 = 53 | CES96 = 77 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 46 | CES98 = 71 |
| CES24 = 90 | CES49 = 76 | CES74 = 94 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |

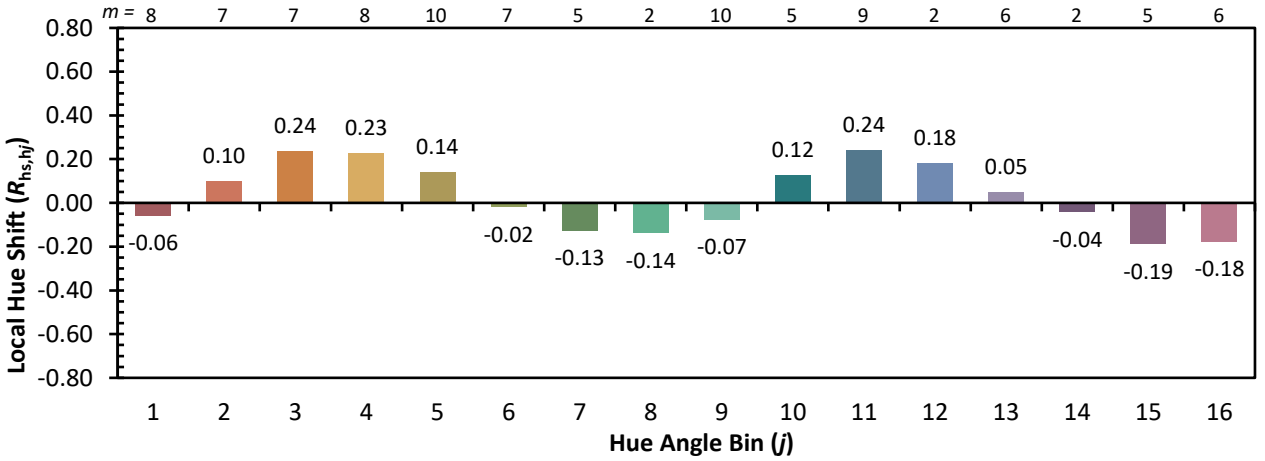


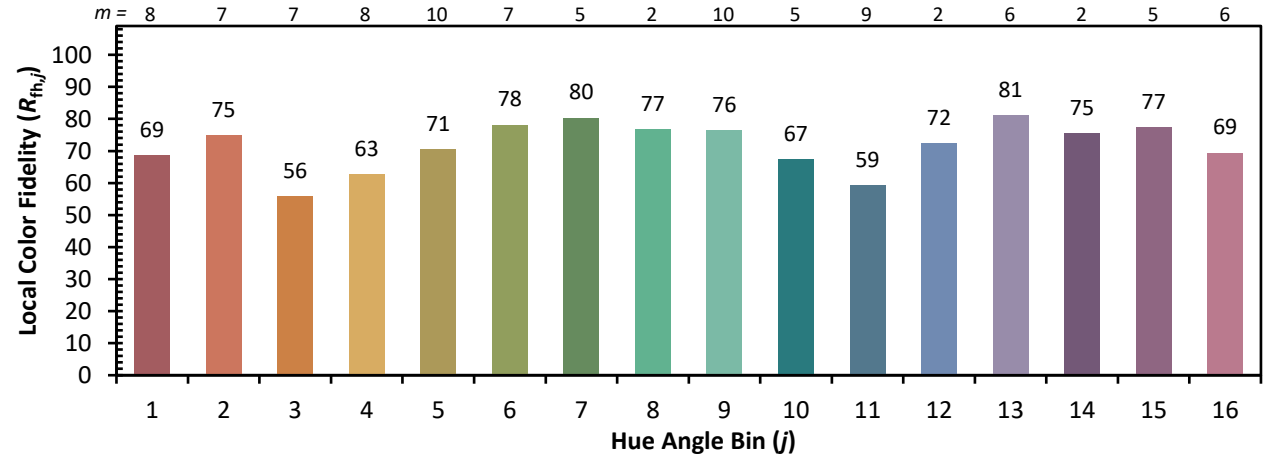
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## Color Rendition by Hue-Angle Bin



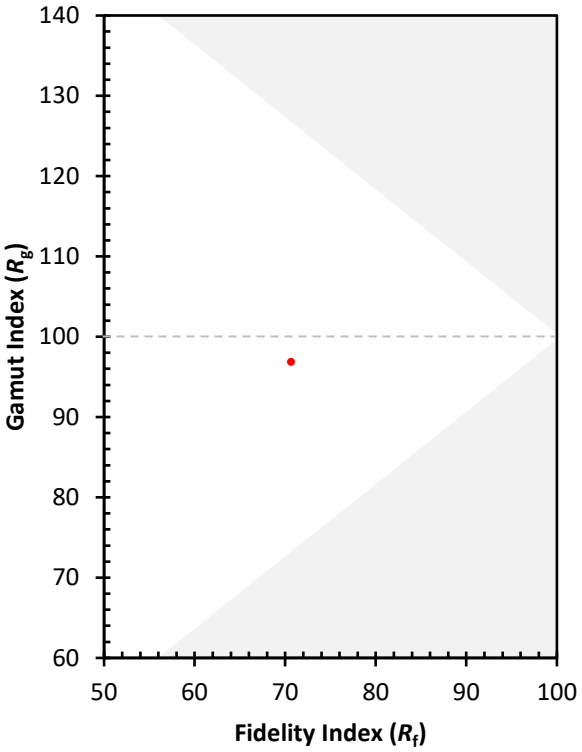



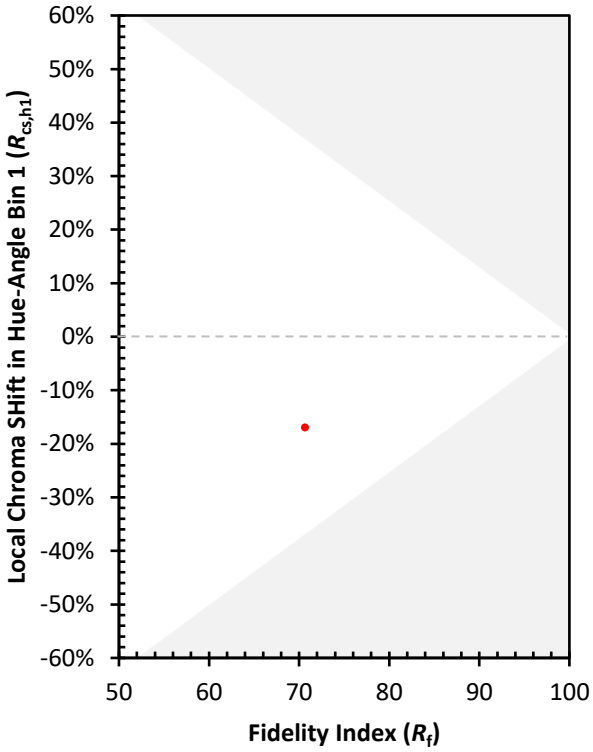



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## Measure Comparisons




(END OF REPORT)