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: P1364185

Luminaire Tested: **GSS-SB5C-727-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364185 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5C-727-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (130) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 31827.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 126.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G4 |

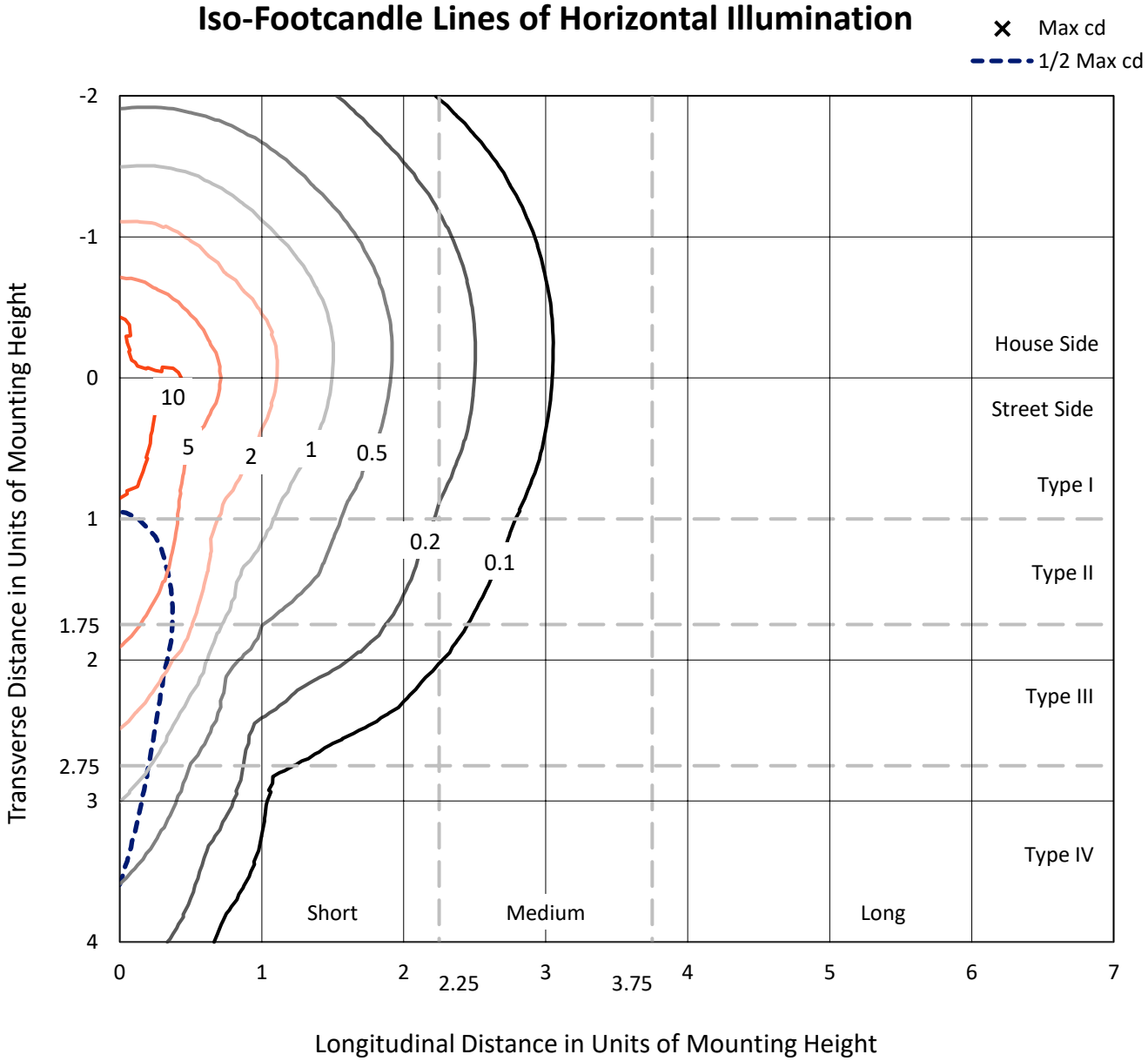
| | |
|---|---|
| Input Watts (W): | 252 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 7.9% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



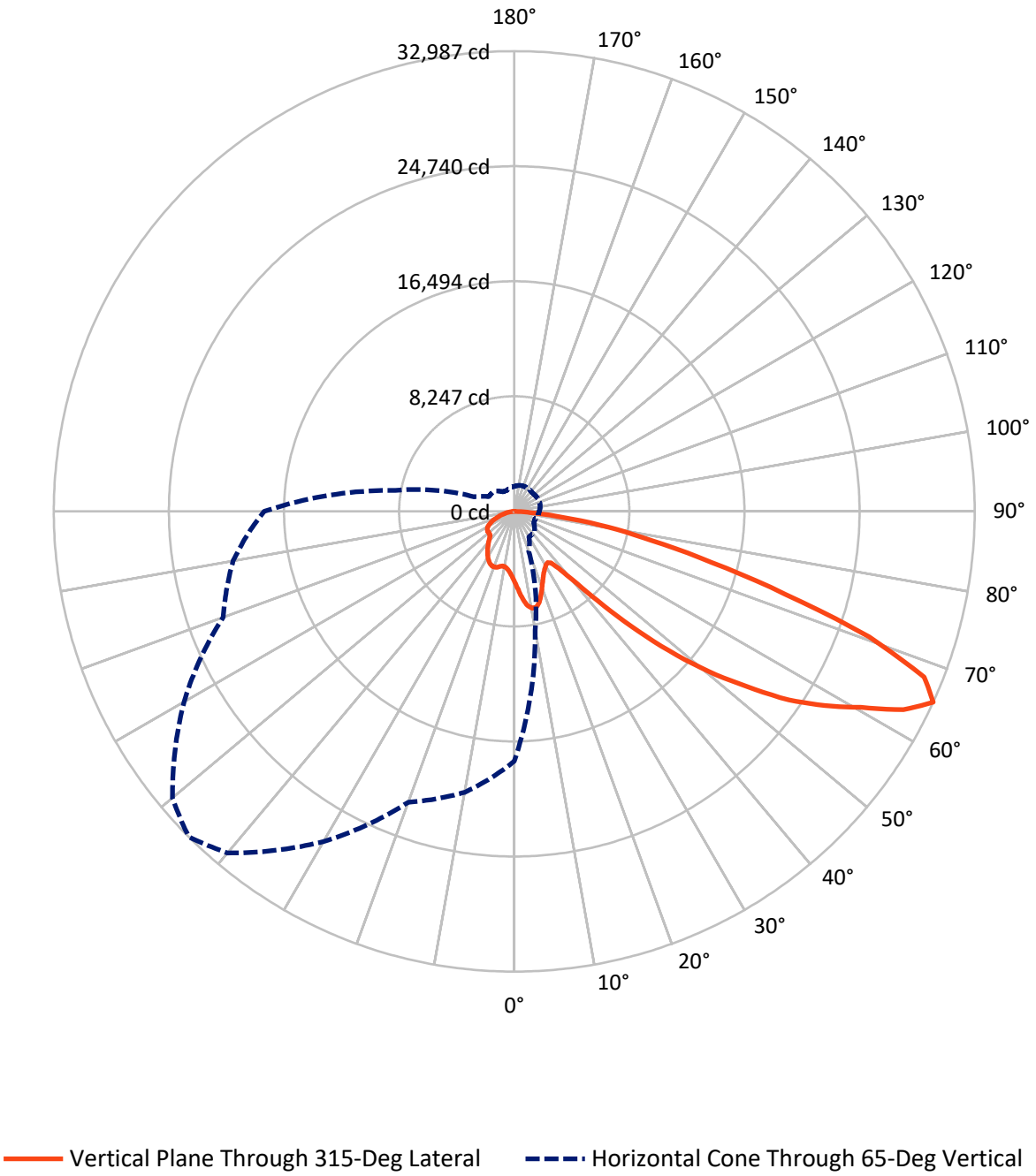

Based on 20 foot mounting height. Maximum calculated value = 15.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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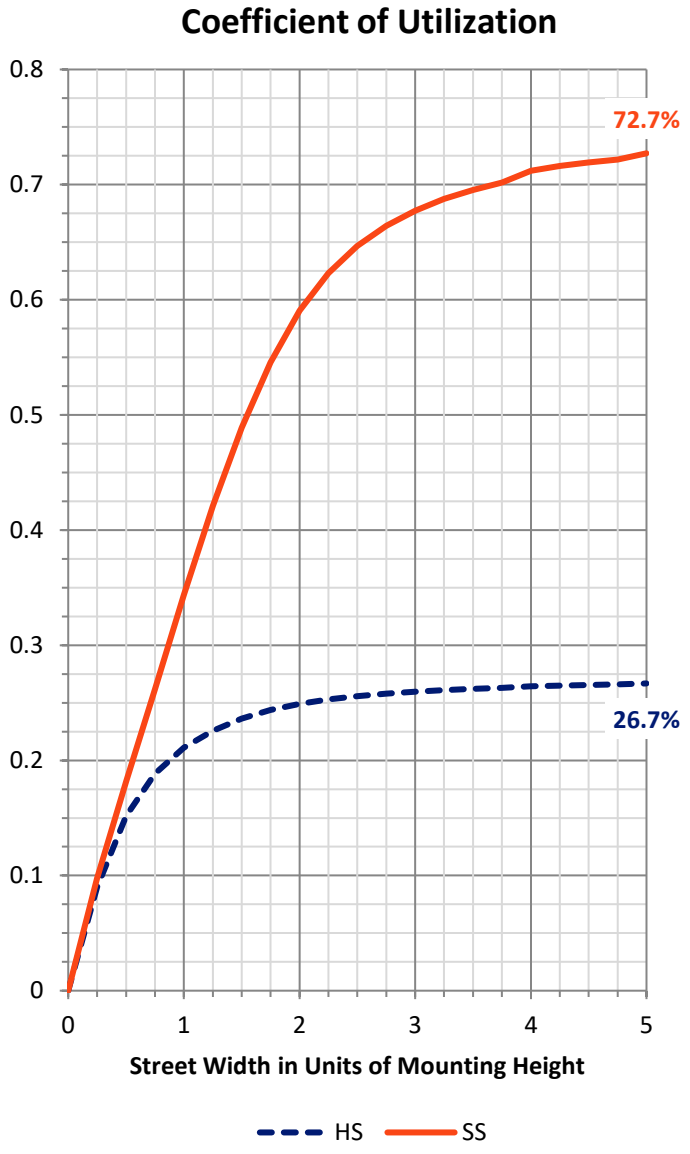
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 8562.3 | 0.0 | 8562.3 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 23265.3 | 0.0 | 23265.3 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 31827.6 | 0.0 | 31827.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 501.1 | 1.6 |
| 10°-20° | 1535.6 | 4.8 |
| 20°-30° | 2376.7 | 7.5 |
| 30°-40° | 2948.7 | 9.3 |
| 40°-50° | 4311.9 | 13.5 |
| 50°-60° | 6754.1 | 21.2 |
| 60°-70° | 8014.1 | 25.2 |
| 70°-80° | 4674.2 | 14.7 |
| 80°-90° | 711.1 | 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° | 31827.6 | 100.0 |
| 0°-180° | 31827.6 | 100.0 |



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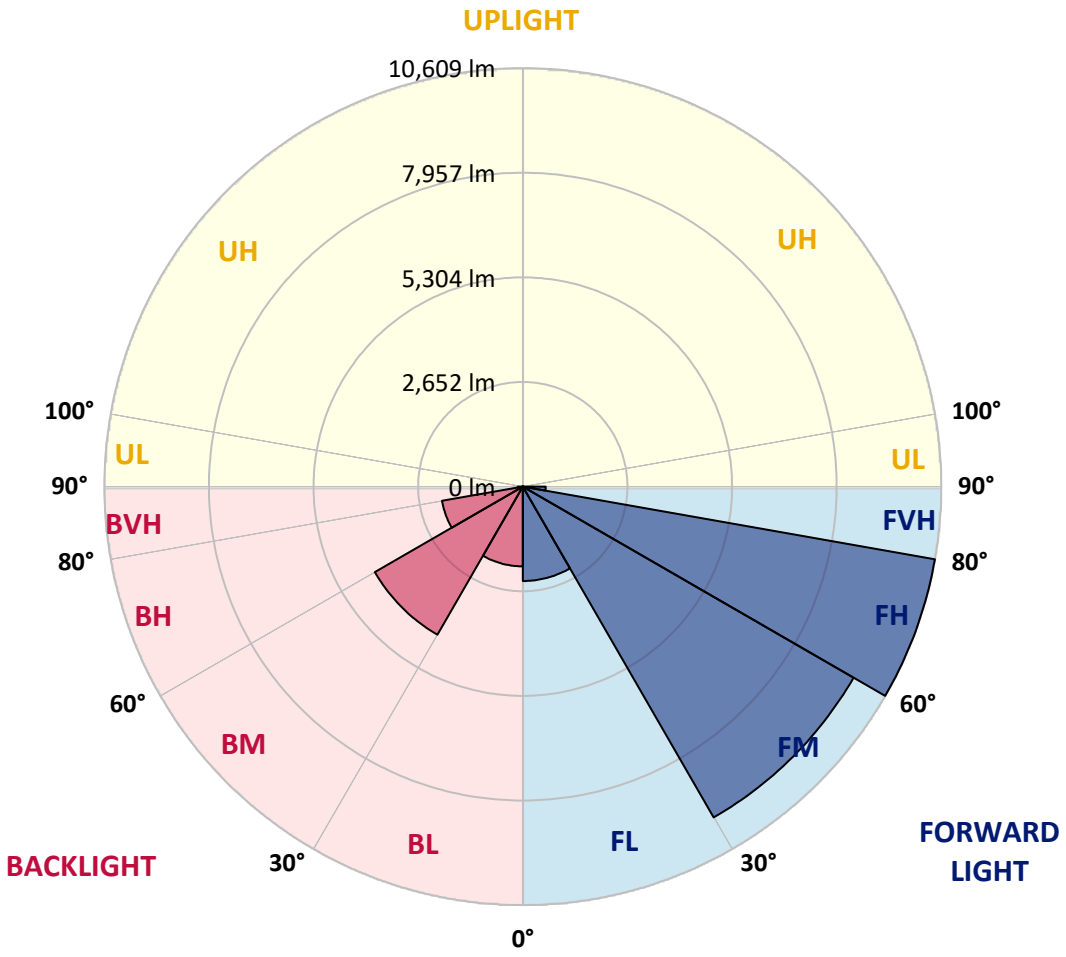
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2392.1 | 7.5 | | | |
| FM | (30°-60°) | 9682.6 | 30.4 | | | |
| FH | (60°-80°) | 10609.0 | 33.3 | | | G4/12000 |
| FVH | (80°-90°) | 581.6 | 1.8 | | | G4/750 |
| BL | (0°-30°) | 2021.3 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 4332.1 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 2079.4 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 129.5 | 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° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 5483.6 | 5433.8 | 5384.8 | 5339.6 | 5294.5 | 5249.3 | 5203.4 | 5159.8 | 5115.4 | 5071.1 | 5032.2 |
| 5° | 5857.2 | 5769.3 | 5682.1 | 5590.2 | 5499.2 | 5409.7 | 5320.2 | 5235.3 | 5151.2 | 5063.3 | 4987.8 |
| 7.5° | 6234.7 | 6086.8 | 5939.0 | 5799.6 | 5660.3 | 5535.8 | 5411.2 | 5299.9 | 5187.8 | 5071.1 | 4980.0 |
| 10° | 6472.1 | 6295.5 | 6118.0 | 5945.2 | 5771.6 | 5618.3 | 5464.2 | 5335.7 | 5207.3 | 5082.8 | 4985.5 |
| 12.5° | 6592.8 | 6416.9 | 6241.0 | 6047.2 | 5853.3 | 5681.3 | 5509.3 | 5367.6 | 5226.7 | 5090.5 | 4995.6 |
| 15° | 6651.2 | 6472.9 | 6295.5 | 6098.5 | 5901.6 | 5716.3 | 5530.3 | 5370.7 | 5211.2 | 5059.4 | 4975.3 |
| 17.5° | 6666.7 | 6500.2 | 6334.4 | 6124.2 | 5914.0 | 5702.3 | 5491.4 | 5305.4 | 5120.1 | 4942.6 | 4871.0 |
| 20° | 6717.3 | 6549.2 | 6381.1 | 6155.3 | 5929.6 | 5681.3 | 5433.0 | 5188.6 | 4944.2 | 4709.1 | 4664.0 |
| 22.5° | 6771.8 | 6617.7 | 6464.4 | 6216.1 | 5968.5 | 5665.0 | 5361.4 | 5054.7 | 4748.1 | 4467.8 | 4425.0 |
| 25° | 6857.4 | 6724.3 | 6591.2 | 6320.4 | 6049.5 | 5663.4 | 5277.3 | 4895.2 | 4513.0 | 4191.5 | 4187.6 |
| 27.5° | 6982.0 | 6880.0 | 6778.0 | 6472.9 | 6168.6 | 5678.2 | 5187.8 | 4731.7 | 4274.8 | 3946.3 | 3965.8 |
| 30° | 7157.1 | 7076.9 | 6997.5 | 6653.5 | 6308.7 | 5710.1 | 5112.3 | 4589.3 | 4067.0 | 3747.8 | 3768.9 |
| 32.5° | 7371.2 | 7321.3 | 7271.5 | 6866.0 | 6460.5 | 5745.9 | 5032.2 | 4464.7 | 3898.1 | 3603.8 | 3603.8 |
| 35° | 7733.1 | 7670.8 | 7608.6 | 7091.7 | 6575.7 | 5737.4 | 4899.8 | 4323.1 | 3745.5 | 3518.2 | 3470.0 |
| 37.5° | 8192.3 | 8118.4 | 8044.4 | 7367.3 | 6690.1 | 5713.2 | 4736.4 | 4165.8 | 3596.1 | 3417.0 | 3325.2 |
| 40° | 8869.5 | 8724.0 | 8577.6 | 7682.5 | 6787.4 | 5658.7 | 4530.1 | 3978.2 | 3426.4 | 3284.7 | 3169.5 |
| 42.5° | 9819.1 | 9510.9 | 9201.9 | 8031.2 | 6859.0 | 5564.6 | 4269.4 | 3754.9 | 3239.6 | 3140.7 | 2998.3 |
| 45° | 10998.4 | 10504.1 | 10009.8 | 8504.5 | 6999.1 | 5500.0 | 4000.8 | 3527.6 | 3055.1 | 2965.6 | 2823.9 |
| 47.5° | 12127.0 | 11501.2 | 10875.4 | 8990.9 | 7106.5 | 5424.5 | 3742.4 | 3301.8 | 2862.8 | 2759.3 | 2627.0 |
| 50° | 13434.7 | 12586.2 | 11737.8 | 9415.2 | 7092.5 | 5296.0 | 3498.8 | 3101.0 | 2702.5 | 2560.8 | 2430.1 |
| 52.5° | 15112.0 | 13764.7 | 12416.5 | 9616.0 | 6814.6 | 5032.9 | 3252.0 | 2920.4 | 2590.4 | 2409.1 | 2268.9 |
| 55° | 17116.3 | 14948.6 | 12780.8 | 9563.0 | 6345.3 | 4684.2 | 3021.6 | 2769.4 | 2515.7 | 2335.1 | 2170.1 |
| 57.5° | 19159.6 | 15942.6 | 12726.3 | 9274.3 | 5822.2 | 4319.2 | 2816.1 | 2641.8 | 2467.4 | 2315.6 | 2113.3 |
| 60° | 20692.9 | 16387.8 | 12081.8 | 8582.3 | 5082.8 | 3857.6 | 2632.4 | 2510.2 | 2388.0 | 2268.9 | 2066.6 |
| 62.5° | 20058.6 | 15400.0 | 10741.5 | 7448.2 | 4154.9 | 3272.3 | 2389.6 | 2321.1 | 2253.4 | 2202.8 | 2009.7 |
| 65° | *17918.1* | *13282.9* | *8647.7* | *5842.4* | *3037.2* | *2571.7* | *2105.5* | *2090.7* | *2076.7* | *2062.7* | *1903.1* |
| 67.5° | 15909.9 | 11407.8 | 6905.7 | 4546.5 | 2187.2 | 1966.2 | 1745.1 | 1786.4 | 1827.6 | 1848.6 | 1739.7 |
| 70° | 13987.3 | 9691.5 | 5395.7 | 3484.0 | 1572.3 | 1494.5 | 1416.6 | 1478.1 | 1539.6 | 1533.4 | 1480.5 |
| 72.5° | 12006.3 | 8047.6 | 4088.0 | 2619.2 | 1150.4 | 1148.9 | 1148.1 | 1194.8 | 1241.5 | 1179.2 | 1212.7 |
| 75° | 9830.8 | 6425.4 | 3020.1 | 1941.3 | 862.4 | 857.0 | 852.3 | 907.6 | 963.6 | 988.5 | 1010.3 |
| 77.5° | 6538.3 | 4215.6 | 1893.0 | 1254.7 | 616.5 | 621.1 | 624.3 | 685.0 | 745.7 | 817.3 | 821.2 |
| 80° | 3837.4 | 2416.8 | 996.3 | 693.5 | 390.7 | 395.4 | 398.5 | 462.4 | 525.4 | 626.6 | 622.7 |
| 82.5° | 1918.7 | 1211.1 | 504.4 | 372.8 | 241.3 | 242.1 | 242.9 | 274.0 | 305.1 | 361.9 | 377.5 |
| 85° | 435.9 | 288.0 | 140.1 | 118.3 | 97.3 | 102.0 | 107.4 | 127.7 | 147.9 | 179.0 | 188.4 |
| 87.5° | 35.0 | 34.2 | 32.7 | 31.9 | 31.1 | 32.7 | 35.0 | 38.9 | 42.8 | 46.7 | 54.5 |
| 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° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 4990.1 | 4948.9 | 4916.2 | 4884.3 | 4856.2 | 4827.4 | 4794.0 | 4759.7 | 4735.6 | 4710.7 | 4694.3 |
| 5° | 4913.1 | 4839.9 | 4779.2 | 4718.5 | 4668.7 | 4617.3 | 4572.1 | 4526.2 | 4490.4 | 4453.8 | 4424.3 |
| 7.5° | 4888.9 | 4798.6 | 4720.0 | 4640.6 | 4573.7 | 4506.8 | 4450.7 | 4393.9 | 4340.2 | 4287.3 | 4253.0 |
| 10° | 4889.7 | 4794.8 | 4713.8 | 4632.9 | 4562.0 | 4491.2 | 4417.2 | 4343.3 | 4284.1 | 4225.0 | 4173.6 |
| 12.5° | 4916.2 | 4837.6 | 4780.7 | 4724.7 | 4659.3 | 4593.9 | 4506.0 | 4417.2 | 4337.1 | 4257.7 | 4194.6 |
| 15° | 4924.0 | 4872.6 | 4867.9 | 4863.3 | 4840.7 | 4818.1 | 4736.4 | 4654.6 | 4544.1 | 4432.8 | 4342.5 |
| 17.5° | 4864.0 | 4857.0 | 4934.1 | 5011.1 | 5055.5 | 5099.9 | 5043.1 | 4985.5 | 4829.8 | 4674.1 | 4539.4 |
| 20° | 4708.4 | 4751.9 | 4902.9 | 5053.2 | 5173.0 | 5292.9 | 5286.7 | 5281.2 | 5078.1 | 4874.1 | 4697.5 |
| 22.5° | 4490.4 | 4555.0 | 4751.9 | 4948.9 | 5121.7 | 5294.5 | 5338.8 | 5382.4 | 5183.2 | 4983.1 | 4765.2 |
| 25° | 4258.5 | 4329.3 | 4511.4 | 4693.6 | 4879.6 | 5065.6 | 5148.1 | 5230.6 | 5066.4 | 4902.2 | 4690.5 |
| 27.5° | 4033.5 | 4102.0 | 4237.4 | 4372.9 | 4522.3 | 4671.8 | 4764.4 | 4857.0 | 4756.6 | 4656.2 | 4485.0 |
| 30° | 3821.8 | 3874.7 | 3972.8 | 4070.9 | 4172.1 | 4273.2 | 4347.2 | 4421.1 | 4355.0 | 4288.8 | 4165.8 |
| 32.5° | 3626.4 | 3649.0 | 3712.8 | 3776.6 | 3852.1 | 3926.9 | 3968.1 | 4008.6 | 3957.2 | 3905.9 | 3824.9 |
| 35° | 3451.3 | 3432.6 | 3474.6 | 3516.7 | 3577.4 | 3638.9 | 3670.0 | 3701.1 | 3658.3 | 3615.5 | 3543.1 |
| 37.5° | 3275.4 | 3224.0 | 3244.2 | 3262.9 | 3315.1 | 3366.4 | 3410.8 | 3456.0 | 3424.8 | 3393.7 | 3332.2 |
| 40° | 3094.8 | 3020.1 | 3018.5 | 3016.2 | 3066.0 | 3115.0 | 3171.1 | 3226.3 | 3220.9 | 3214.7 | 3156.3 |
| 42.5° | 2903.3 | 2808.4 | 2798.2 | 2788.1 | 2837.2 | 2886.2 | 2945.3 | 3004.5 | 3016.2 | 3027.9 | 2979.6 |
| 45° | 2725.8 | 2629.3 | 2613.8 | 2598.2 | 2640.2 | 2683.8 | 2748.4 | 2813.8 | 2841.0 | 2868.3 | 2824.7 |
| 47.5° | 2543.7 | 2459.6 | 2450.3 | 2440.2 | 2484.6 | 2529.7 | 2601.3 | 2673.7 | 2702.5 | 2732.1 | 2702.5 |
| 50° | 2361.6 | 2292.3 | 2304.0 | 2315.6 | 2364.7 | 2412.9 | 2469.0 | 2525.8 | 2579.5 | 2632.4 | 2627.0 |
| 52.5° | 2217.6 | 2165.4 | 2202.0 | 2237.8 | 2282.2 | 2327.3 | 2385.7 | 2444.1 | 2500.1 | 2556.9 | 2565.5 |
| 55° | 2112.5 | 2054.9 | 2106.3 | 2157.6 | 2211.3 | 2265.1 | 2319.5 | 2374.0 | 2427.0 | 2479.1 | 2490.8 |
| 57.5° | 2032.3 | 1952.2 | 2003.5 | 2054.9 | 2113.3 | 2171.7 | 2226.1 | 2280.6 | 2342.1 | 2403.6 | 2412.9 |
| 60° | 1965.4 | 1864.2 | 1898.4 | 1931.9 | 1991.8 | 2051.0 | 2107.8 | 2163.9 | 2226.1 | 2288.4 | 2300.9 |
| 62.5° | 1877.4 | 1745.1 | 1749.8 | 1752.9 | 1820.6 | 1887.5 | 1934.2 | 1980.9 | 2040.1 | 2100.0 | 2117.9 |
| 65° | *1760.7* | *1619.0* | *1603.4* | *1587.9* | *1651.7* | *1716.3* | *1752.9* | *1790.2* | *1841.6* | *1893.0* | *1910.9* |
| 67.5° | 1614.3 | 1488.2 | 1456.3 | 1424.4 | 1483.6 | 1542.7 | 1573.1 | 1603.4 | 1638.5 | 1673.5 | 1693.7 |
| 70° | 1405.7 | 1331.0 | 1310.8 | 1290.5 | 1338.8 | 1387.1 | 1413.5 | 1440.0 | 1468.0 | 1496.0 | 1506.9 |
| 72.5° | 1195.6 | 1179.2 | 1164.4 | 1150.4 | 1187.0 | 1223.6 | 1246.2 | 1268.7 | 1295.2 | 1321.7 | 1327.9 |
| 75° | 1001.0 | 992.4 | 981.5 | 971.4 | 999.4 | 1027.4 | 1044.6 | 1062.5 | 1089.7 | 1117.0 | 1128.6 |
| 77.5° | 800.9 | 779.9 | 769.0 | 756.6 | 782.3 | 807.9 | 824.3 | 840.6 | 863.2 | 885.8 | 888.9 |
| 80° | 597.8 | 572.1 | 563.5 | 554.2 | 572.9 | 591.6 | 597.8 | 603.2 | 621.9 | 639.8 | 639.8 |
| 82.5° | 377.5 | 377.5 | 372.1 | 365.8 | 361.9 | 358.0 | 350.3 | 342.5 | 361.2 | 379.8 | 386.1 |
| 85° | 189.9 | 190.7 | 182.1 | 172.8 | 161.9 | 149.4 | 147.1 | 144.0 | 143.2 | 141.7 | 147.1 |
| 87.5° | 59.2 | 63.8 | 68.5 | 71.6 | 76.3 | 79.4 | 77.1 | 73.9 | 70.8 | 68.5 | 62.3 |
| 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° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 4678.0 | 4670.2 | 4662.4 | 4656.2 | 4650.8 | 4646.9 | 4650.8 | 4656.2 | 4662.4 | 4670.2 | 4678.0 |
| 5° | 4393.9 | 4381.4 | 4368.2 | 4359.6 | 4351.1 | 4343.3 | 4351.1 | 4359.6 | 4368.2 | 4381.4 | 4393.9 |
| 7.5° | 4218.8 | 4198.5 | 4178.3 | 4163.5 | 4148.7 | 4140.9 | 4148.7 | 4163.5 | 4178.3 | 4198.5 | 4218.8 |
| 10° | 4123.8 | 4095.0 | 4067.0 | 4051.4 | 4035.8 | 4024.2 | 4035.8 | 4051.4 | 4067.0 | 4095.0 | 4123.8 |
| 12.5° | 4131.6 | 4095.8 | 4061.5 | 4038.2 | 4014.8 | 4000.8 | 4014.8 | 4038.2 | 4061.5 | 4095.8 | 4131.6 |
| 15° | 4251.5 | 4201.6 | 4150.3 | 4121.5 | 4092.7 | 4070.9 | 4092.7 | 4121.5 | 4150.3 | 4201.6 | 4251.5 |
| 17.5° | 4405.6 | 4332.4 | 4259.2 | 4233.6 | 4207.1 | 4195.4 | 4207.1 | 4233.6 | 4259.2 | 4332.4 | 4405.6 |
| 20° | 4520.8 | 4422.7 | 4326.2 | 4287.3 | 4248.3 | 4234.3 | 4248.3 | 4287.3 | 4326.2 | 4422.7 | 4520.8 |
| 22.5° | 4547.2 | 4432.0 | 4316.1 | 4279.5 | 4242.1 | 4226.5 | 4242.1 | 4279.5 | 4316.1 | 4432.0 | 4547.2 |
| 25° | 4479.5 | 4358.1 | 4235.9 | 4198.5 | 4160.4 | 4148.7 | 4160.4 | 4198.5 | 4235.9 | 4358.1 | 4479.5 |
| 27.5° | 4313.7 | 4206.3 | 4098.1 | 4058.4 | 4017.9 | 3993.0 | 4017.9 | 4058.4 | 4098.1 | 4206.3 | 4313.7 |
| 30° | 4043.6 | 3963.5 | 3884.1 | 3859.2 | 3833.5 | 3821.8 | 3833.5 | 3859.2 | 3884.1 | 3963.5 | 4043.6 |
| 32.5° | 3744.0 | 3694.1 | 3644.3 | 3628.0 | 3611.6 | 3603.8 | 3611.6 | 3628.0 | 3644.3 | 3694.1 | 3744.0 |
| 35° | 3471.5 | 3435.7 | 3399.9 | 3386.7 | 3374.2 | 3362.6 | 3374.2 | 3386.7 | 3399.9 | 3435.7 | 3471.5 |
| 37.5° | 3270.7 | 3228.7 | 3185.1 | 3161.7 | 3138.4 | 3121.3 | 3138.4 | 3161.7 | 3185.1 | 3228.7 | 3270.7 |
| 40° | 3097.9 | 3037.2 | 2977.3 | 2945.3 | 2912.7 | 2895.5 | 2912.7 | 2945.3 | 2977.3 | 3037.2 | 3097.9 |
| 42.5° | 2930.6 | 2860.5 | 2790.5 | 2741.4 | 2693.2 | 2662.0 | 2693.2 | 2741.4 | 2790.5 | 2860.5 | 2930.6 |
| 45° | 2780.3 | 2701.7 | 2623.1 | 2564.7 | 2506.3 | 2467.4 | 2506.3 | 2564.7 | 2623.1 | 2701.7 | 2780.3 |
| 47.5° | 2673.7 | 2606.0 | 2537.5 | 2486.1 | 2434.7 | 2397.4 | 2434.7 | 2486.1 | 2537.5 | 2606.0 | 2673.7 |
| 50° | 2621.5 | 2567.8 | 2514.1 | 2465.9 | 2416.8 | 2381.8 | 2416.8 | 2465.9 | 2514.1 | 2567.8 | 2621.5 |
| 52.5° | 2574.8 | 2535.9 | 2497.0 | 2455.0 | 2412.9 | 2381.8 | 2412.9 | 2455.0 | 2497.0 | 2535.9 | 2574.8 |
| 55° | 2502.5 | 2474.4 | 2445.6 | 2414.5 | 2383.4 | 2358.5 | 2383.4 | 2414.5 | 2445.6 | 2474.4 | 2502.5 |
| 57.5° | 2422.3 | 2392.7 | 2362.4 | 2339.0 | 2315.6 | 2304.0 | 2315.6 | 2339.0 | 2362.4 | 2392.7 | 2422.3 |
| 60° | 2313.3 | 2290.0 | 2266.6 | 2244.8 | 2222.2 | 2202.8 | 2222.2 | 2244.8 | 2266.6 | 2290.0 | 2313.3 |
| 62.5° | 2136.6 | 2125.7 | 2115.6 | 2090.7 | 2066.6 | 2039.3 | 2066.6 | 2090.7 | 2115.6 | 2125.7 | 2136.6 |
| 65° | *1928.8* | *1923.4* | *1918.7* | *1900.8* | *1883.7* | *1852.5* | *1883.7* | *1900.8* | *1918.7* | *1923.4* | *1928.8* |
| 67.5° | 1714.0 | 1703.9 | 1693.0 | 1674.3 | 1656.4 | 1650.1 | 1656.4 | 1674.3 | 1693.0 | 1703.9 | 1714.0 |
| 70° | 1517.8 | 1502.3 | 1486.7 | 1444.7 | 1402.6 | 1354.4 | 1402.6 | 1444.7 | 1486.7 | 1502.3 | 1517.8 |
| 72.5° | 1334.9 | 1310.8 | 1285.9 | 1236.8 | 1187.0 | 1136.4 | 1187.0 | 1236.8 | 1285.9 | 1310.8 | 1334.9 |
| 75° | 1140.3 | 1106.1 | 1072.6 | 1020.4 | 969.1 | 934.0 | 969.1 | 1020.4 | 1072.6 | 1106.1 | 1140.3 |
| 77.5° | 893.6 | 864.0 | 834.4 | 803.3 | 772.1 | 755.0 | 772.1 | 803.3 | 834.4 | 864.0 | 893.6 |
| 80° | 639.8 | 618.0 | 595.5 | 579.9 | 564.3 | 552.6 | 564.3 | 579.9 | 595.5 | 618.0 | 639.8 |
| 82.5° | 393.1 | 383.0 | 373.6 | 356.5 | 338.6 | 326.9 | 338.6 | 356.5 | 373.6 | 383.0 | 393.1 |
| 85° | 151.8 | 149.4 | 147.9 | 141.7 | 136.2 | 132.3 | 136.2 | 141.7 | 147.9 | 149.4 | 151.8 |
| 87.5° | 56.0 | 51.4 | 46.7 | 43.6 | 40.5 | 38.9 | 40.5 | 43.6 | 46.7 | 51.4 | 56.0 |
| 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: P1364185
CATALOG NUMBER: GSS-SB5C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 4694.3 | 4710.7 | 4735.6 | 4759.7 | 4794.0 | 4827.4 | 4856.2 | 4884.3 | 4916.2 | 4948.9 | 4990.1 |
| 5° | 4424.3 | 4453.8 | 4490.4 | 4526.2 | 4572.1 | 4617.3 | 4668.7 | 4718.5 | 4779.2 | 4839.9 | 4913.1 |
| 7.5° | 4253.0 | 4287.3 | 4340.2 | 4393.9 | 4450.7 | 4506.8 | 4573.7 | 4640.6 | 4720.0 | 4798.6 | 4888.9 |
| 10° | 4173.6 | 4225.0 | 4284.1 | 4343.3 | 4417.2 | 4491.2 | 4562.0 | 4632.9 | 4713.8 | 4794.8 | 4889.7 |
| 12.5° | 4194.6 | 4257.7 | 4337.1 | 4417.2 | 4506.0 | 4593.9 | 4659.3 | 4724.7 | 4780.7 | 4837.6 | 4916.2 |
| 15° | 4342.5 | 4432.8 | 4544.1 | 4654.6 | 4736.4 | 4818.1 | 4840.7 | 4863.3 | 4867.9 | 4872.6 | 4924.0 |
| 17.5° | 4539.4 | 4674.1 | 4829.8 | 4985.5 | 5043.1 | 5099.9 | 5055.5 | 5011.1 | 4934.1 | 4857.0 | 4864.0 |
| 20° | 4697.5 | 4874.1 | 5078.1 | 5281.2 | 5286.7 | 5292.9 | 5173.0 | 5053.2 | 4902.9 | 4751.9 | 4708.4 |
| 22.5° | 4765.2 | 4983.1 | 5183.2 | 5382.4 | 5338.8 | 5294.5 | 5121.7 | 4948.9 | 4751.9 | 4555.0 | 4490.4 |
| 25° | 4690.5 | 4902.2 | 5066.4 | 5230.6 | 5148.1 | 5065.6 | 4879.6 | 4693.6 | 4511.4 | 4329.3 | 4258.5 |
| 27.5° | 4485.0 | 4656.2 | 4756.6 | 4857.0 | 4764.4 | 4671.8 | 4522.3 | 4372.9 | 4237.4 | 4102.0 | 4033.5 |
| 30° | 4165.8 | 4288.8 | 4355.0 | 4421.1 | 4347.2 | 4273.2 | 4172.1 | 4070.9 | 3972.8 | 3874.7 | 3821.8 |
| 32.5° | 3824.9 | 3905.9 | 3957.2 | 4008.6 | 3968.1 | 3926.9 | 3852.1 | 3776.6 | 3712.8 | 3649.0 | 3626.4 |
| 35° | 3543.1 | 3615.5 | 3658.3 | 3701.1 | 3670.0 | 3638.9 | 3577.4 | 3516.7 | 3474.6 | 3432.6 | 3451.3 |
| 37.5° | 3332.2 | 3393.7 | 3424.8 | 3456.0 | 3410.8 | 3366.4 | 3315.1 | 3262.9 | 3244.2 | 3224.0 | 3275.4 |
| 40° | 3156.3 | 3214.7 | 3220.9 | 3226.3 | 3171.1 | 3115.0 | 3066.0 | 3016.2 | 3018.5 | 3020.1 | 3094.8 |
| 42.5° | 2979.6 | 3027.9 | 3016.2 | 3004.5 | 2945.3 | 2886.2 | 2837.2 | 2788.1 | 2798.2 | 2808.4 | 2903.3 |
| 45° | 2824.7 | 2868.3 | 2841.0 | 2813.8 | 2748.4 | 2683.8 | 2640.2 | 2598.2 | 2613.8 | 2629.3 | 2725.8 |
| 47.5° | 2702.5 | 2732.1 | 2702.5 | 2673.7 | 2601.3 | 2529.7 | 2484.6 | 2440.2 | 2450.3 | 2459.6 | 2543.7 |
| 50° | 2627.0 | 2632.4 | 2579.5 | 2525.8 | 2469.0 | 2412.9 | 2364.7 | 2315.6 | 2304.0 | 2292.3 | 2361.6 |
| 52.5° | 2565.5 | 2556.9 | 2500.1 | 2444.1 | 2385.7 | 2327.3 | 2282.2 | 2237.8 | 2202.0 | 2165.4 | 2217.6 |
| 55° | 2490.8 | 2479.1 | 2427.0 | 2374.0 | 2319.5 | 2265.1 | 2211.3 | 2157.6 | 2106.3 | 2054.9 | 2112.5 |
| 57.5° | 2412.9 | 2403.6 | 2342.1 | 2280.6 | 2226.1 | 2171.7 | 2113.3 | 2054.9 | 2003.5 | 1952.2 | 2032.3 |
| 60° | 2300.9 | 2288.4 | 2226.1 | 2163.9 | 2107.8 | 2051.0 | 1991.8 | 1931.9 | 1898.4 | 1864.2 | 1965.4 |
| 62.5° | 2117.9 | 2100.0 | 2040.1 | 1980.9 | 1934.2 | 1887.5 | 1820.6 | 1752.9 | 1749.8 | 1745.1 | 1877.4 |
| 65° | *1910.9* | *1893.0* | *1841.6* | *1790.2* | *1752.9* | *1716.3* | *1651.7* | *1587.9* | *1603.4* | *1619.0* | *1760.7* |
| 67.5° | 1693.7 | 1673.5 | 1638.5 | 1603.4 | 1573.1 | 1542.7 | 1483.6 | 1424.4 | 1456.3 | 1488.2 | 1614.3 |
| 70° | 1506.9 | 1496.0 | 1468.0 | 1440.0 | 1413.5 | 1387.1 | 1338.8 | 1290.5 | 1310.8 | 1331.0 | 1405.7 |
| 72.5° | 1327.9 | 1321.7 | 1295.2 | 1268.7 | 1246.2 | 1223.6 | 1187.0 | 1150.4 | 1164.4 | 1179.2 | 1195.6 |
| 75° | 1128.6 | 1117.0 | 1089.7 | 1062.5 | 1044.6 | 1027.4 | 999.4 | 971.4 | 981.5 | 992.4 | 1001.0 |
| 77.5° | 888.9 | 885.8 | 863.2 | 840.6 | 824.3 | 807.9 | 782.3 | 756.6 | 769.0 | 779.9 | 800.9 |
| 80° | 639.8 | 639.8 | 621.9 | 603.2 | 597.8 | 591.6 | 572.9 | 554.2 | 563.5 | 572.1 | 597.8 |
| 82.5° | 386.1 | 379.8 | 361.2 | 342.5 | 350.3 | 358.0 | 361.9 | 365.8 | 372.1 | 377.5 | 377.5 |
| 85° | 147.1 | 141.7 | 143.2 | 144.0 | 147.1 | 149.4 | 161.9 | 172.8 | 182.1 | 190.7 | 189.9 |
| 87.5° | 62.3 | 68.5 | 70.8 | 73.9 | 77.1 | 79.4 | 76.3 | 71.6 | 68.5 | 63.8 | 59.2 |
| 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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364185
CATALOG NUMBER: GSS-SB5C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 5032.2 | 5071.1 | 5115.4 | 5159.8 | 5203.4 | 5249.3 | 5294.5 | 5339.6 | 5384.8 | 5433.8 | 5483.6 |
| 5° | 4987.8 | 5063.3 | 5151.2 | 5235.3 | 5320.2 | 5409.7 | 5499.2 | 5590.2 | 5682.1 | 5769.3 | 5857.2 |
| 7.5° | 4980.0 | 5071.1 | 5187.8 | 5299.9 | 5411.2 | 5535.8 | 5660.3 | 5799.6 | 5939.0 | 6086.8 | 6234.7 |
| 10° | 4985.5 | 5082.8 | 5207.3 | 5335.7 | 5464.2 | 5618.3 | 5771.6 | 5945.2 | 6118.0 | 6295.5 | 6472.1 |
| 12.5° | 4995.6 | 5090.5 | 5226.7 | 5367.6 | 5509.3 | 5681.3 | 5853.3 | 6047.2 | 6241.0 | 6416.9 | 6592.8 |
| 15° | 4975.3 | 5059.4 | 5211.2 | 5370.7 | 5530.3 | 5716.3 | 5901.6 | 6098.5 | 6295.5 | 6472.9 | 6651.2 |
| 17.5° | 4871.0 | 4942.6 | 5120.1 | 5305.4 | 5491.4 | 5702.3 | 5914.0 | 6124.2 | 6334.4 | 6500.2 | 6666.7 |
| 20° | 4664.0 | 4709.1 | 4944.2 | 5188.6 | 5433.0 | 5681.3 | 5929.6 | 6155.3 | 6381.1 | 6549.2 | 6717.3 |
| 22.5° | 4425.0 | 4467.8 | 4748.1 | 5054.7 | 5361.4 | 5665.0 | 5968.5 | 6216.1 | 6464.4 | 6617.7 | 6771.8 |
| 25° | 4187.6 | 4191.5 | 4513.0 | 4895.2 | 5277.3 | 5663.4 | 6049.5 | 6320.4 | 6591.2 | 6724.3 | 6857.4 |
| 27.5° | 3965.8 | 3946.3 | 4274.8 | 4731.7 | 5187.8 | 5678.2 | 6168.6 | 6472.9 | 6778.0 | 6880.0 | 6982.0 |
| 30° | 3768.9 | 3747.8 | 4067.0 | 4589.3 | 5112.3 | 5710.1 | 6308.7 | 6653.5 | 6997.5 | 7076.9 | 7157.1 |
| 32.5° | 3603.8 | 3603.8 | 3898.1 | 4464.7 | 5032.2 | 5745.9 | 6460.5 | 6866.0 | 7271.5 | 7321.3 | 7371.2 |
| 35° | 3470.0 | 3518.2 | 3745.5 | 4323.1 | 4899.8 | 5737.4 | 6575.7 | 7091.7 | 7608.6 | 7670.8 | 7733.1 |
| 37.5° | 3325.2 | 3417.0 | 3596.1 | 4165.8 | 4736.4 | 5713.2 | 6690.1 | 7367.3 | 8044.4 | 8118.4 | 8192.3 |
| 40° | 3169.5 | 3284.7 | 3426.4 | 3978.2 | 4530.1 | 5658.7 | 6787.4 | 7682.5 | 8577.6 | 8724.0 | 8869.5 |
| 42.5° | 2998.3 | 3140.7 | 3239.6 | 3754.9 | 4269.4 | 5564.6 | 6859.0 | 8031.2 | 9201.9 | 9510.9 | 9819.1 |
| 45° | 2823.9 | 2965.6 | 3055.1 | 3527.6 | 4000.8 | 5500.0 | 6999.1 | 8504.5 | 10009.8 | 10504.1 | 10998.4 |
| 47.5° | 2627.0 | 2759.3 | 2862.8 | 3301.8 | 3742.4 | 5424.5 | 7106.5 | 8990.9 | 10875.4 | 11501.2 | 12127.0 |
| 50° | 2430.1 | 2560.8 | 2702.5 | 3101.0 | 3498.8 | 5296.0 | 7092.5 | 9415.2 | 11737.8 | 12586.2 | 13434.7 |
| 52.5° | 2268.9 | 2409.1 | 2590.4 | 2920.4 | 3252.0 | 5032.9 | 6814.6 | 9616.0 | 12416.5 | 13764.7 | 15112.0 |
| 55° | 2170.1 | 2335.1 | 2515.7 | 2769.4 | 3021.6 | 4684.2 | 6345.3 | 9563.0 | 12780.8 | 14948.6 | 17116.3 |
| 57.5° | 2113.3 | 2315.6 | 2467.4 | 2641.8 | 2816.1 | 4319.2 | 5822.2 | 9274.3 | 12726.3 | 15942.6 | 19159.6 |
| 60° | 2066.6 | 2268.9 | 2388.0 | 2510.2 | 2632.4 | 3857.6 | 5082.8 | 8582.3 | 12081.8 | 16387.8 | 20692.9 |
| 62.5° | 2009.7 | 2202.8 | 2253.4 | 2321.1 | 2389.6 | 3272.3 | 4154.9 | 7448.2 | 10741.5 | 15400.0 | 20058.6 |
| 65° | *1903.1* | *2062.7* | *2076.7* | *2090.7* | *2105.5* | *2571.7* | *3037.2* | *5842.4* | *8647.7* | *13282.9* | *17918.1* |
| 67.5° | 1739.7 | 1848.6 | 1827.6 | 1786.4 | 1745.1 | 1966.2 | 2187.2 | 4546.5 | 6905.7 | 11407.8 | 15909.9 |
| 70° | 1480.5 | 1533.4 | 1539.6 | 1478.1 | 1416.6 | 1494.5 | 1572.3 | 3484.0 | 5395.7 | 9691.5 | 13987.3 |
| 72.5° | 1212.7 | 1179.2 | 1241.5 | 1194.8 | 1148.1 | 1148.9 | 1150.4 | 2619.2 | 4088.0 | 8047.6 | 12006.3 |
| 75° | 1010.3 | 988.5 | 963.6 | 907.6 | 852.3 | 857.0 | 862.4 | 1941.3 | 3020.1 | 6425.4 | 9830.8 |
| 77.5° | 821.2 | 817.3 | 745.7 | 685.0 | 624.3 | 621.1 | 616.5 | 1254.7 | 1893.0 | 4215.6 | 6538.3 |
| 80° | 622.7 | 626.6 | 525.4 | 462.4 | 398.5 | 395.4 | 390.7 | 693.5 | 996.3 | 2416.8 | 3837.4 |
| 82.5° | 377.5 | 361.9 | 305.1 | 274.0 | 242.9 | 242.1 | 241.3 | 372.8 | 504.4 | 1211.1 | 1918.7 |
| 85° | 188.4 | 179.0 | 147.9 | 127.7 | 107.4 | 102.0 | 97.3 | 118.3 | 140.1 | 288.0 | 435.9 |
| 87.5° | 54.5 | 46.7 | 42.8 | 38.9 | 35.0 | 32.7 | 31.1 | 31.9 | 32.7 | 34.2 | 35.0 |
| 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
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Scaled Data Report

REPORT NUMBER: P1364185
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | *5075.0* | 5075.0 | 5075.0 |
| 2.5° | 5503.1 | 5522.5 | 5543.5 | 5565.3 | 5577.8 | 5590.2 | 5603.5 | 5615.9 | *5627.6* | 5615.9 | 5603.5 |
| 5° | 5945.2 | 6032.4 | 6091.5 | 6150.7 | 6195.8 | 6241.0 | 6266.7 | 6293.1 | *6297.0* | 6293.1 | 6266.7 |
| 7.5° | 6339.0 | 6443.3 | 6533.6 | 6623.9 | 6681.5 | 6739.1 | 6772.6 | 6806.8 | *6818.5* | 6806.8 | 6772.6 |
| 10° | 6594.3 | 6717.3 | 6804.5 | 6892.5 | 6946.2 | 6999.1 | 7025.6 | 7052.0 | *7059.8* | 7052.0 | 7025.6 |
| 12.5° | 6710.3 | 6827.9 | 6895.6 | 6962.5 | 6996.8 | 7030.2 | 7042.7 | 7053.6 | *7044.2* | 7053.6 | 7042.7 |
| 15° | 6720.4 | 6788.9 | 6817.7 | 6845.8 | 6829.4 | 6812.3 | 6788.2 | 6764.0 | *6748.5* | 6764.0 | 6788.2 |
| 17.5° | 6690.9 | 6715.8 | 6663.6 | 6612.2 | 6518.8 | 6425.4 | 6355.4 | 6285.3 | *6234.7* | 6285.3 | 6355.4 |
| 20° | 6678.4 | 6639.5 | 6500.9 | 6363.2 | 6188.0 | 6012.9 | 5895.4 | 5777.1 | *5705.4* | 5777.1 | 5895.4 |
| 22.5° | 6662.1 | 6552.3 | 6319.6 | 6086.8 | 5847.1 | 5608.2 | 5472.7 | 5338.1 | *5261.8* | 5338.1 | 5472.7 |
| 25° | 6669.1 | 6479.9 | 6165.5 | 5851.8 | 5570.0 | 5289.0 | 5141.9 | 4995.6 | *4911.5* | 4995.6 | 5141.9 |
| 27.5° | 6694.0 | 6406.0 | 6016.8 | 5627.6 | 5322.5 | 5016.6 | 4876.5 | 4736.4 | *4662.4* | 4736.4 | 4876.5 |
| 30° | 6774.9 | 6392.0 | 5926.5 | 5460.3 | 5141.1 | 4822.0 | 4685.0 | 4547.2 | *4467.8* | 4547.2 | 4685.0 |
| 32.5° | 6888.6 | 6406.0 | 5884.5 | 5363.0 | 5037.6 | 4713.0 | 4581.5 | 4450.7 | *4382.2* | 4450.7 | 4581.5 |
| 35° | 7122.1 | 6511.1 | 5932.7 | 5355.2 | 5053.2 | 4751.9 | 4655.4 | 4559.7 | *4522.3* | 4559.7 | 4655.4 |
| 37.5° | 7478.6 | 6764.0 | 6168.6 | 5573.1 | 5367.6 | 5162.1 | 5162.1 | 5162.1 | *5191.7* | 5162.1 | 5162.1 |
| 40° | 8067.8 | 7266.1 | 6702.5 | 6139.8 | 6127.3 | 6116.4 | 6247.2 | 6378.7 | *6437.1* | 6378.7 | 6247.2 |
| 42.5° | 8971.5 | 8124.6 | 7670.1 | 7215.5 | 7487.9 | 7760.3 | 8138.6 | 8516.9 | *8764.4* | 8516.9 | 8138.6 |
| 45° | 10173.3 | 9348.2 | 9030.6 | 8713.8 | 9320.2 | 9925.8 | 10594.4 | 11263.0 | *11737.8* | 11263.0 | 10594.4 |
| 47.5° | 11432.7 | 10737.6 | 10556.2 | 10375.7 | 11383.6 | 12391.6 | 13371.6 | 14351.6 | *14929.1* | 14351.6 | 13371.6 |
| 50° | 12810.4 | 12185.4 | 12150.3 | 12115.3 | 13458.0 | 14800.7 | 16065.5 | 17330.4 | *18034.8* | 17330.4 | 16065.5 |
| 52.5° | 14426.3 | 13739.8 | 13767.8 | 13794.3 | 15389.1 | 16984.0 | 18513.5 | 20043.0 | *20836.9* | 20043.0 | 18513.5 |
| 55° | 16256.2 | 15396.1 | 15391.5 | 15386.8 | 17219.1 | 19052.9 | 20931.9 | 22812.4 | *23872.6* | 22812.4 | 20931.9 |
| 57.5° | 18353.9 | 17548.3 | 17356.9 | 17164.6 | 19080.9 | 20996.5 | 23071.6 | 25147.6 | *26262.2* | 25147.6 | 23071.6 |
| 60° | 20249.3 | 19805.6 | 19498.9 | 19193.0 | 21160.7 | 23129.2 | 25272.9 | 27415.7 | *28527.2* | 27415.7 | 25272.9 |
| 62.5° | 20851.7 | 21644.9 | 21622.3 | 21599.7 | 23723.9 | 25848.1 | 28077.3 | 30308.1 | *31306.0* | 30308.1 | 28077.3 |
| 65° | *19182.9* | *20447.8* | *21318.0* | *22187.4* | *24755.3* | *27322.3* | *29645.0* | *31967.6* | *32987.3* | *31967.6* | *29645.0* |
| 67.5° | 17024.5 | 18139.9 | 18852.1 | 19564.3 | 22457.5 | 25351.5 | 27987.0 | 30622.6 | *31671.8* | 30622.6 | 27987.0 |
| 70° | 15221.8 | 16456.3 | 16965.3 | 17474.4 | 19932.5 | 22389.8 | 24475.0 | 26559.5 | *26970.5* | 26559.5 | 24475.0 |
| 72.5° | 13474.3 | 14943.1 | 15158.7 | 15374.3 | 17163.0 | 18951.7 | 20062.5 | 21173.2 | *20276.5* | 21173.2 | 20062.5 |
| 75° | 11487.2 | 13142.8 | 13286.8 | 13430.8 | 13988.1 | 14546.2 | 14828.7 | 15112.0 | *14602.2* | 15112.0 | 14828.7 |
| 77.5° | 7972.1 | 9406.6 | 9729.6 | 10052.6 | 10423.9 | 10796.0 | 10776.5 | 10757.1 | *10041.0* | 10757.1 | 10776.5 |
| 80° | 4959.0 | 6080.6 | 6122.7 | 6164.7 | 6443.3 | 6721.2 | 7005.3 | 7289.4 | *6834.1* | 7289.4 | 7005.3 |
| 82.5° | 2534.4 | 3150.8 | 3245.8 | 3340.8 | 3511.2 | 3681.7 | 3761.1 | 3841.3 | *3456.0* | 3841.3 | 3761.1 |
| 85° | 596.2 | 756.6 | 911.5 | 1066.4 | 1245.4 | 1424.4 | 1404.2 | 1383.9 | *1167.6* | 1383.9 | 1404.2 |
| 87.5° | 35.8 | 37.4 | 38.1 | 38.9 | 39.7 | 40.5 | 42.8 | 45.1 | *46.7* | 45.1 | 42.8 |
| 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: P1364185
CATALOG NUMBER: GSS-SB5C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 | 5075.0 |
| 2.5° | 5590.2 | 5577.8 | 5565.3 | 5543.5 | 5522.5 | 5503.1 | 5483.6 |
| 5° | 6241.0 | 6195.8 | 6150.7 | 6091.5 | 6032.4 | 5945.2 | 5857.2 |
| 7.5° | 6739.1 | 6681.5 | 6623.9 | 6533.6 | 6443.3 | 6339.0 | 6234.7 |
| 10° | 6999.1 | 6946.2 | 6892.5 | 6804.5 | 6717.3 | 6594.3 | 6472.1 |
| 12.5° | 7030.2 | 6996.8 | 6962.5 | 6895.6 | 6827.9 | 6710.3 | 6592.8 |
| 15° | 6812.3 | 6829.4 | 6845.8 | 6817.7 | 6788.9 | 6720.4 | 6651.2 |
| 17.5° | 6425.4 | 6518.8 | 6612.2 | 6663.6 | 6715.8 | 6690.9 | 6666.7 |
| 20° | 6012.9 | 6188.0 | 6363.2 | 6500.9 | 6639.5 | 6678.4 | 6717.3 |
| 22.5° | 5608.2 | 5847.1 | 6086.8 | 6319.6 | 6552.3 | 6662.1 | 6771.8 |
| 25° | 5289.0 | 5570.0 | 5851.8 | 6165.5 | 6479.9 | 6669.1 | 6857.4 |
| 27.5° | 5016.6 | 5322.5 | 5627.6 | 6016.8 | 6406.0 | 6694.0 | 6982.0 |
| 30° | 4822.0 | 5141.1 | 5460.3 | 5926.5 | 6392.0 | 6774.9 | 7157.1 |
| 32.5° | 4713.0 | 5037.6 | 5363.0 | 5884.5 | 6406.0 | 6888.6 | 7371.2 |
| 35° | 4751.9 | 5053.2 | 5355.2 | 5932.7 | 6511.1 | 7122.1 | 7733.1 |
| 37.5° | 5162.1 | 5367.6 | 5573.1 | 6168.6 | 6764.0 | 7478.6 | 8192.3 |
| 40° | 6116.4 | 6127.3 | 6139.8 | 6702.5 | 7266.1 | 8067.8 | 8869.5 |
| 42.5° | 7760.3 | 7487.9 | 7215.5 | 7670.1 | 8124.6 | 8971.5 | 9819.1 |
| 45° | 9925.8 | 9320.2 | 8713.8 | 9030.6 | 9348.2 | 10173.3 | 10998.4 |
| 47.5° | 12391.6 | 11383.6 | 10375.7 | 10556.2 | 10737.6 | 11432.7 | 12127.0 |
| 50° | 14800.7 | 13458.0 | 12115.3 | 12150.3 | 12185.4 | 12810.4 | 13434.7 |
| 52.5° | 16984.0 | 15389.1 | 13794.3 | 13767.8 | 13739.8 | 14426.3 | 15112.0 |
| 55° | 19052.9 | 17219.1 | 15386.8 | 15391.5 | 15396.1 | 16256.2 | 17116.3 |
| 57.5° | 20996.5 | 19080.9 | 17164.6 | 17356.9 | 17548.3 | 18353.9 | 19159.6 |
| 60° | 23129.2 | 21160.7 | 19193.0 | 19498.9 | 19805.6 | 20249.3 | 20692.9 |
| 62.5° | 25848.1 | 23723.9 | 21599.7 | 21622.3 | 21644.9 | 20851.7 | 20058.6 |
| 65° | *27322.3* | *24755.3* | *22187.4* | *21318.0* | *20447.8* | *19182.9* | *17918.1* |
| 67.5° | 25351.5 | 22457.5 | 19564.3 | 18852.1 | 18139.9 | 17024.5 | 15909.9 |
| 70° | 22389.8 | 19932.5 | 17474.4 | 16965.3 | 16456.3 | 15221.8 | 13987.3 |
| 72.5° | 18951.7 | 17163.0 | 15374.3 | 15158.7 | 14943.1 | 13474.3 | 12006.3 |
| 75° | 14546.2 | 13988.1 | 13430.8 | 13286.8 | 13142.8 | 11487.2 | 9830.8 |
| 77.5° | 10796.0 | 10423.9 | 10052.6 | 9729.6 | 9406.6 | 7972.1 | 6538.3 |
| 80° | 6721.2 | 6443.3 | 6164.7 | 6122.7 | 6080.6 | 4959.0 | 3837.4 |
| 82.5° | 3681.7 | 3511.2 | 3340.8 | 3245.8 | 3150.8 | 2534.4 | 1918.7 |
| 85° | 1424.4 | 1245.4 | 1066.4 | 911.5 | 756.6 | 596.2 | 435.9 |
| 87.5° | 40.5 | 39.7 | 38.9 | 38.1 | 37.4 | 35.8 | 35.0 |
| 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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

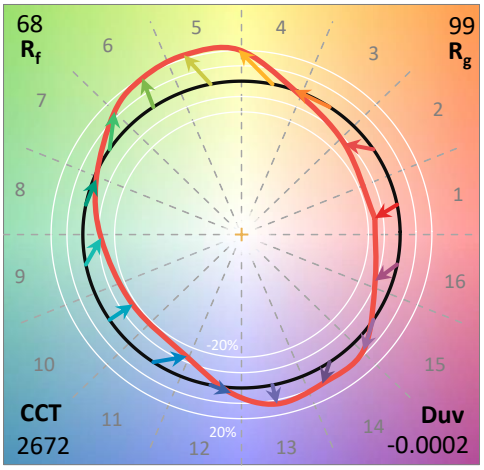
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| 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-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |



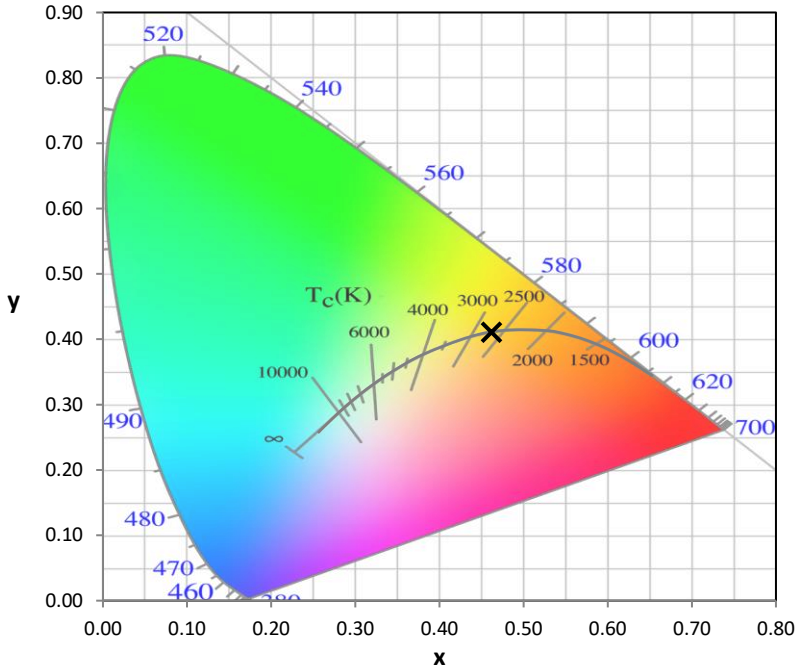

## Test Conditions

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

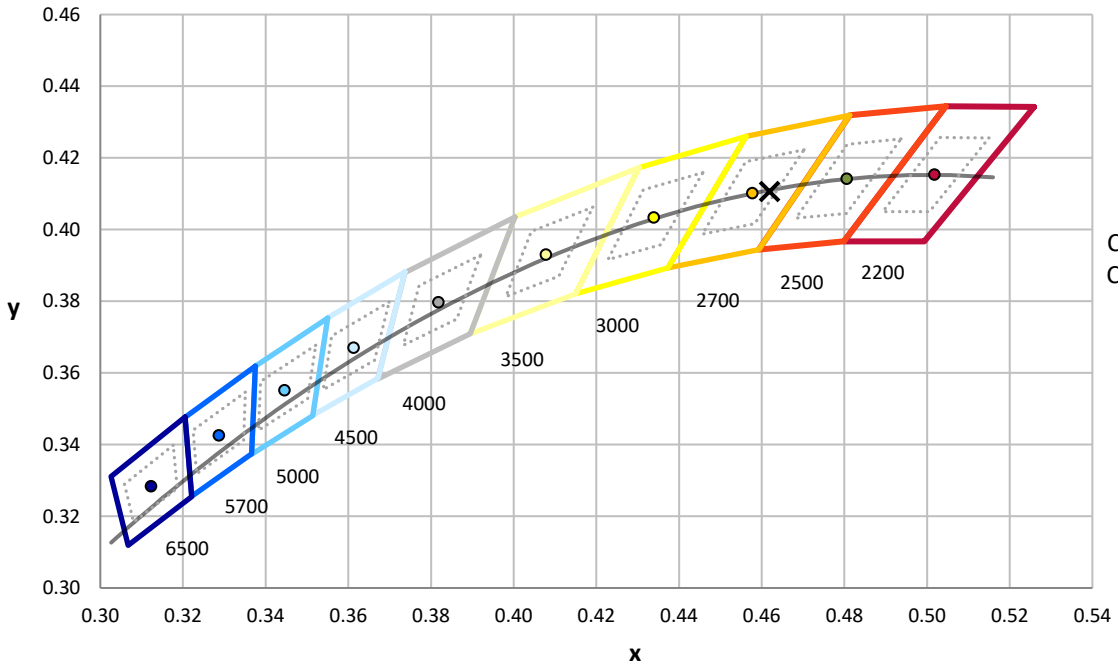
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

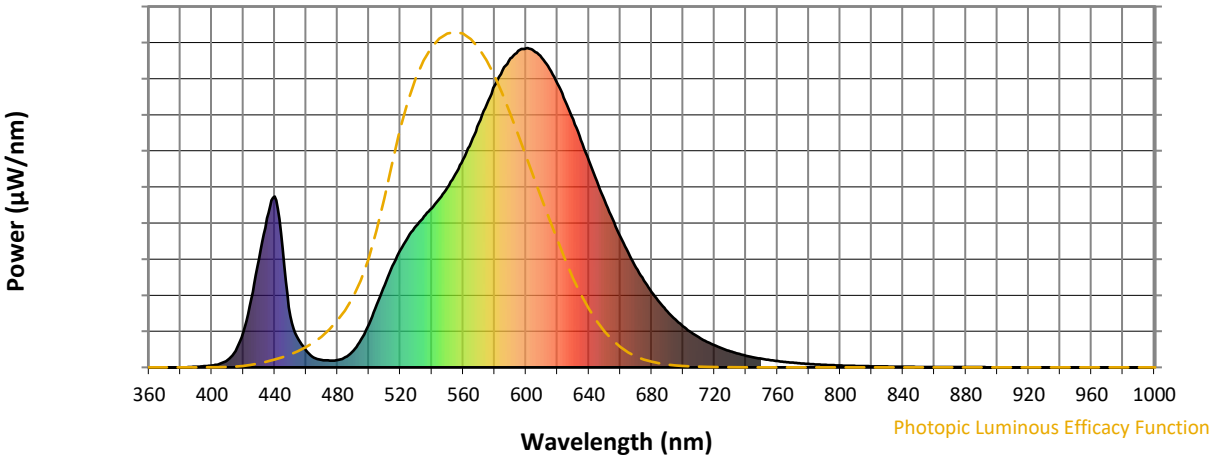



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

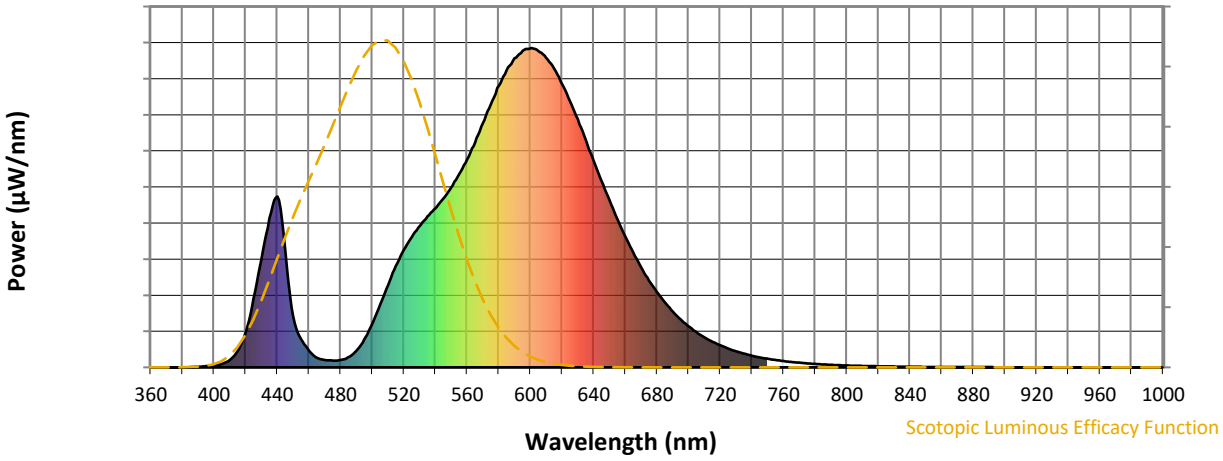



## Photopic Lumens: NR

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

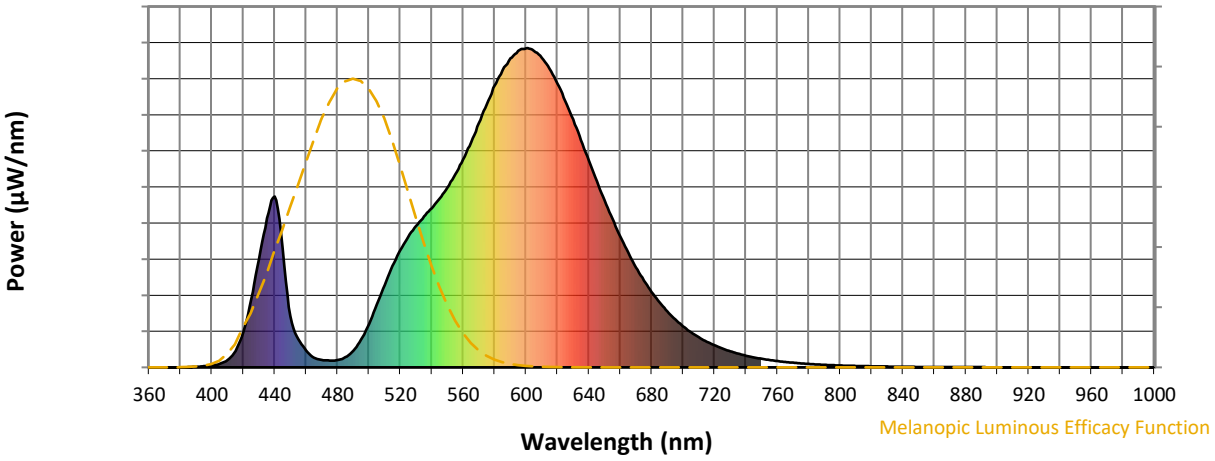



**Scotopic Lumens: NR** **S/P: 1.02**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

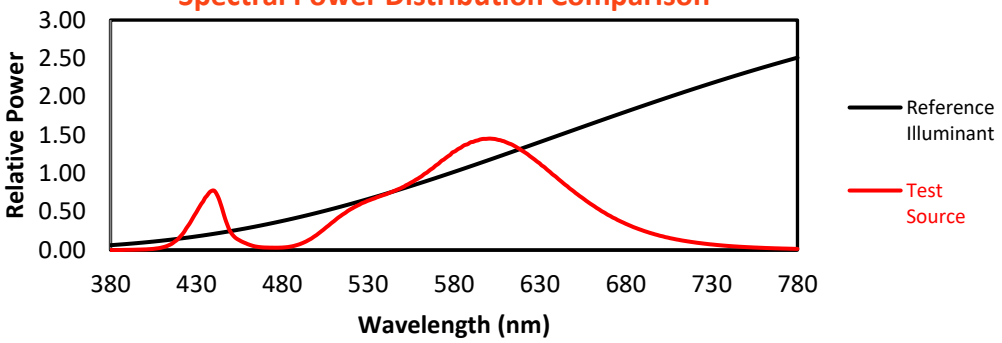
REPORT NUMBER: SP1-2407-184-3

# TM-30-18

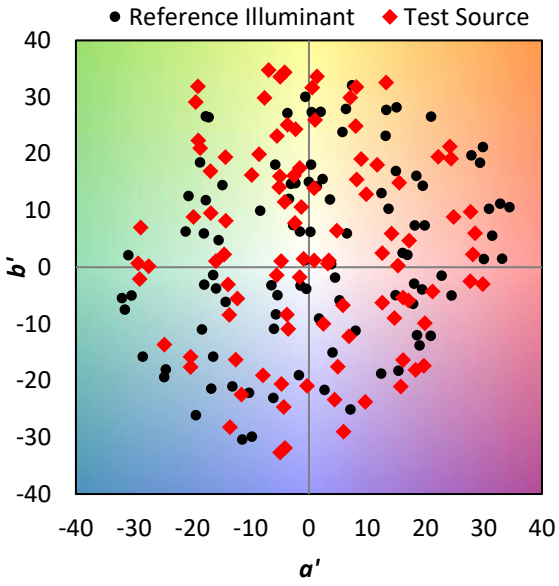
## Summary

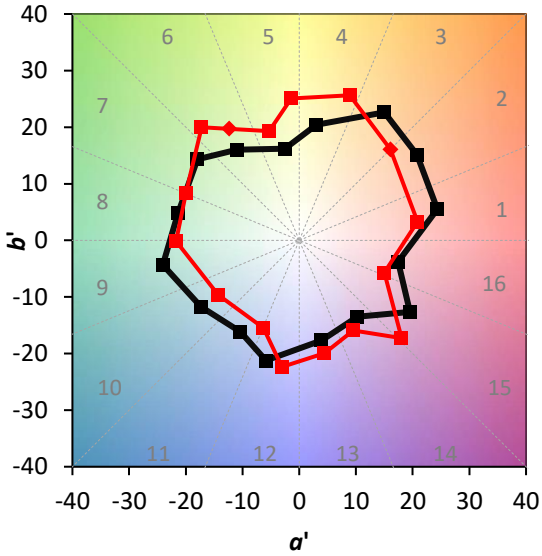
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$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

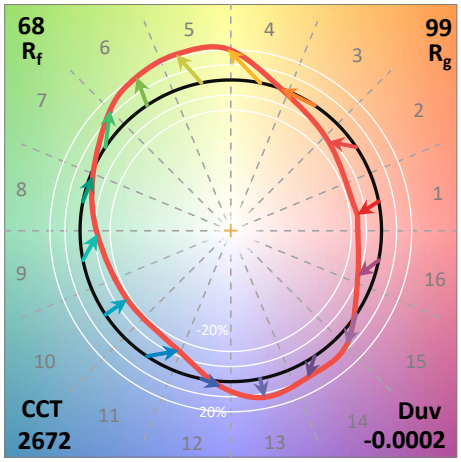
## Spectral Power Distribution Comparison

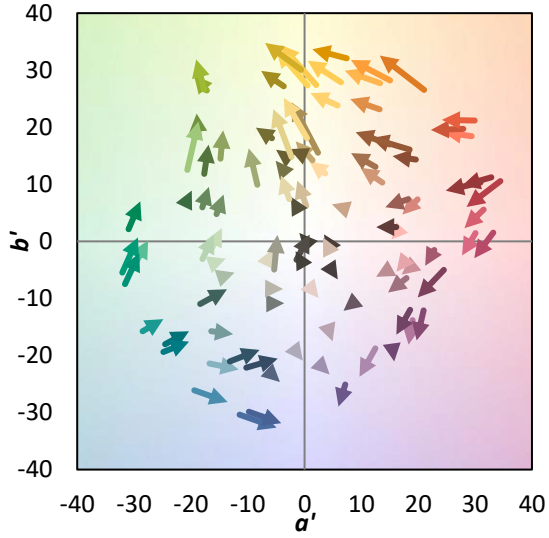



## Color Vector Graphics



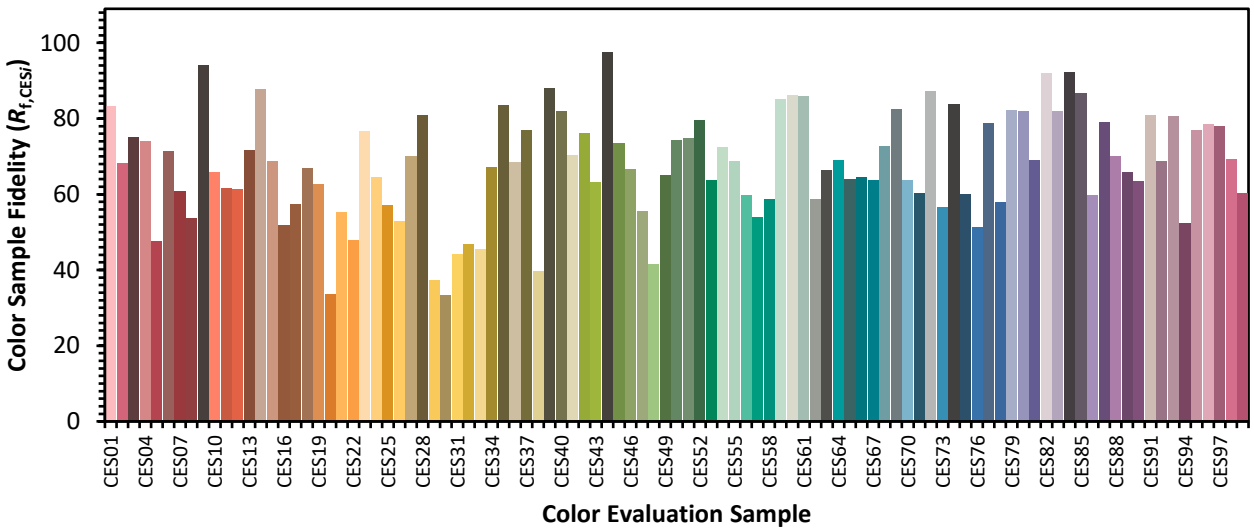



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**Individual Sample Fidelity Index ($R_{f,i}$)**

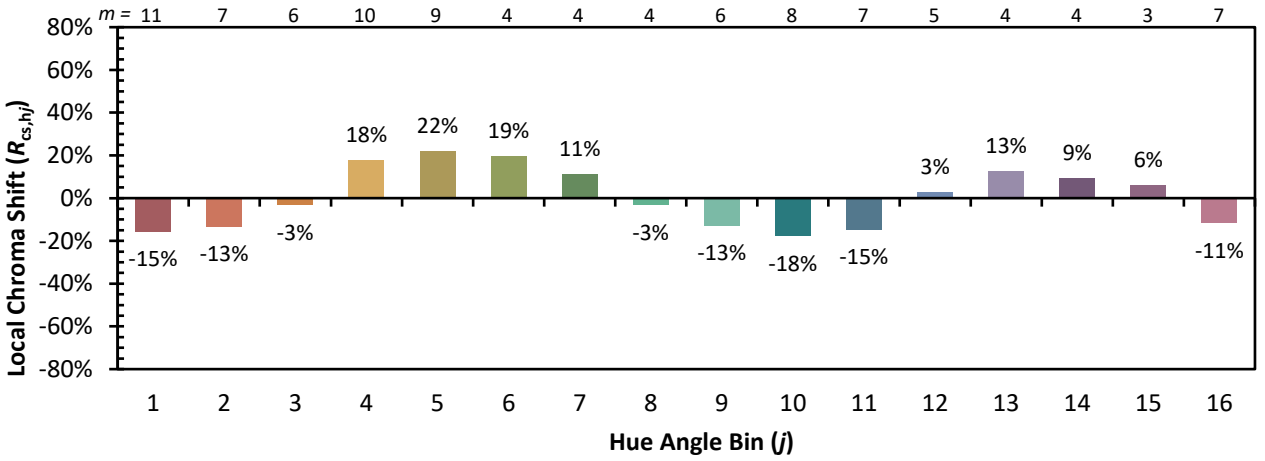
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |

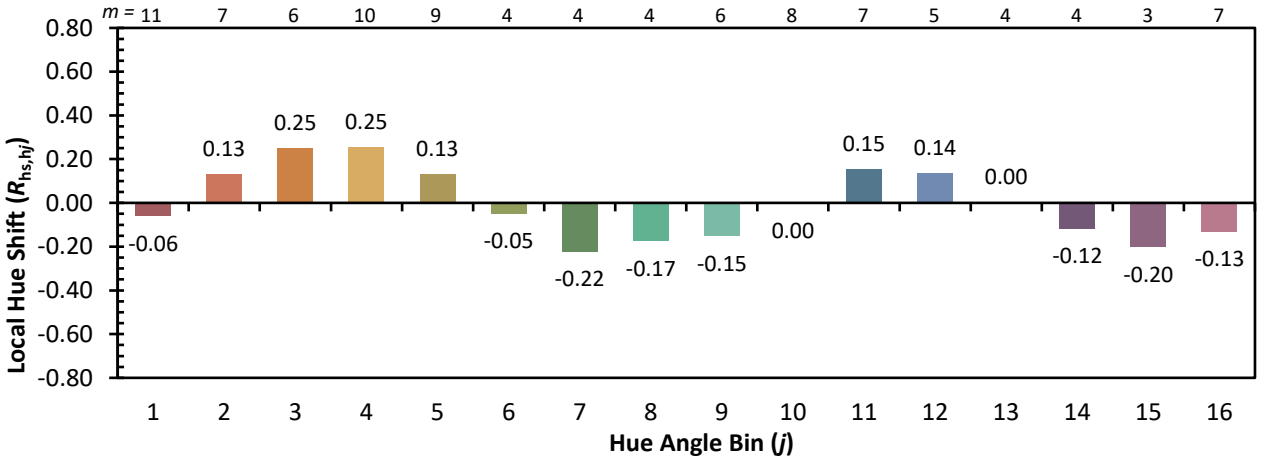


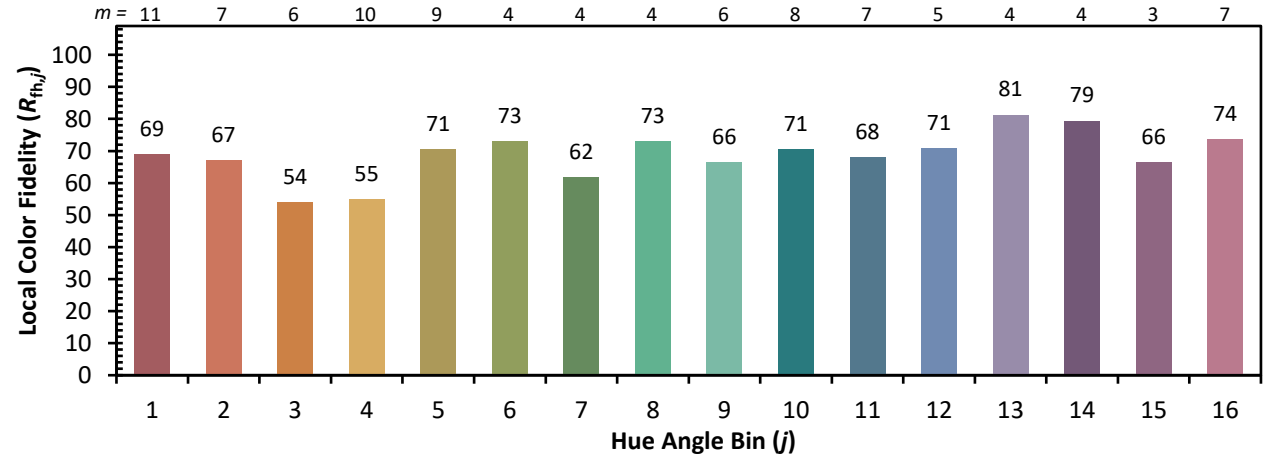
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## Color Rendition by Hue-Angle Bin



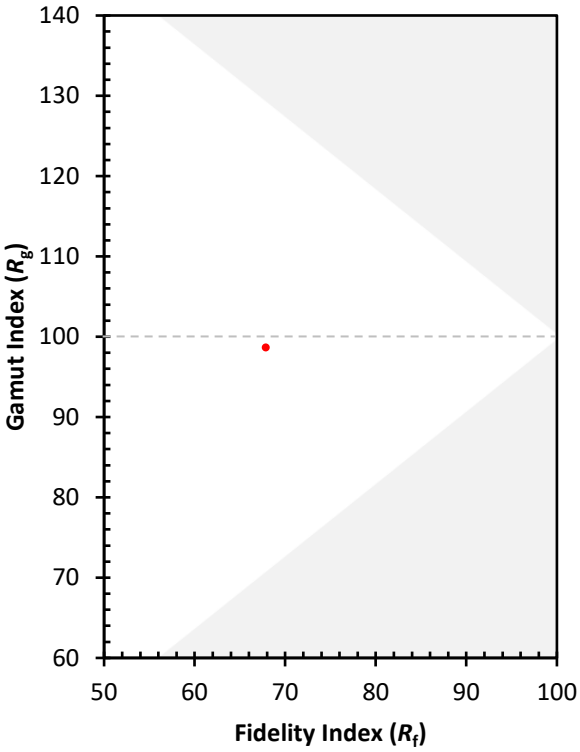



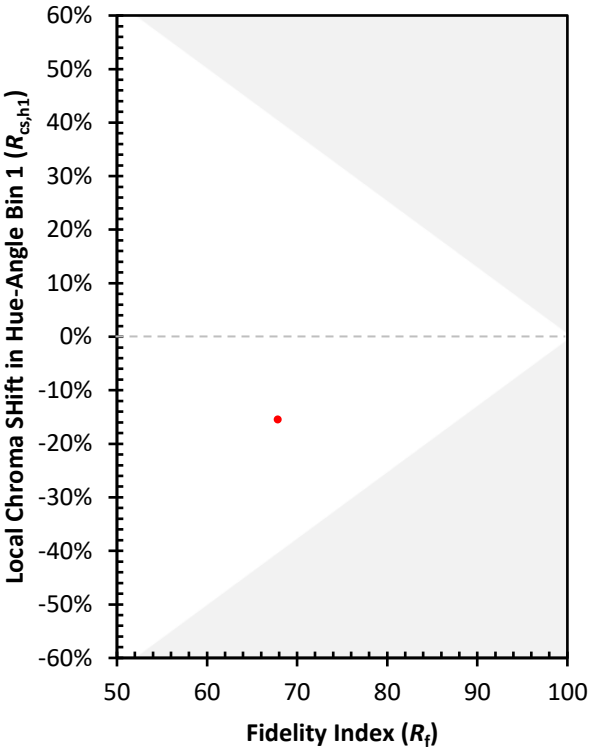



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### Measure Comparisons




(END OF REPORT)