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

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Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501563

Luminaire Tested: GSS-SB6C-835-U-T2LG

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501563 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB6C-835-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (156) 3500K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 40128.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 133.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B4 - U0 - G3 |

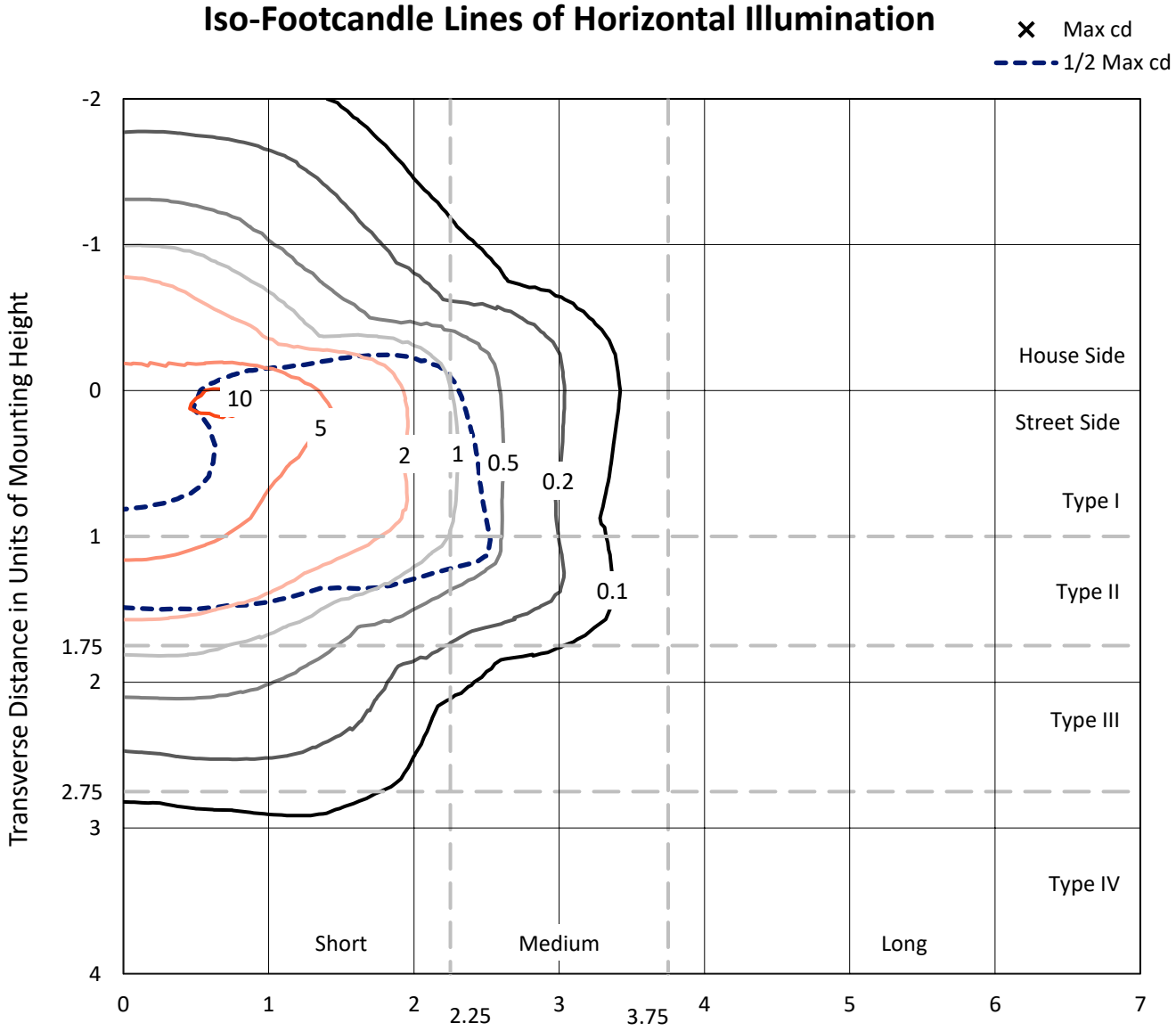
| | |
|---|---|
| Input Watts (W): | 300 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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REPORT NUMBER: P1501563
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## Iso-Footcandle Lines of Horizontal Illumination



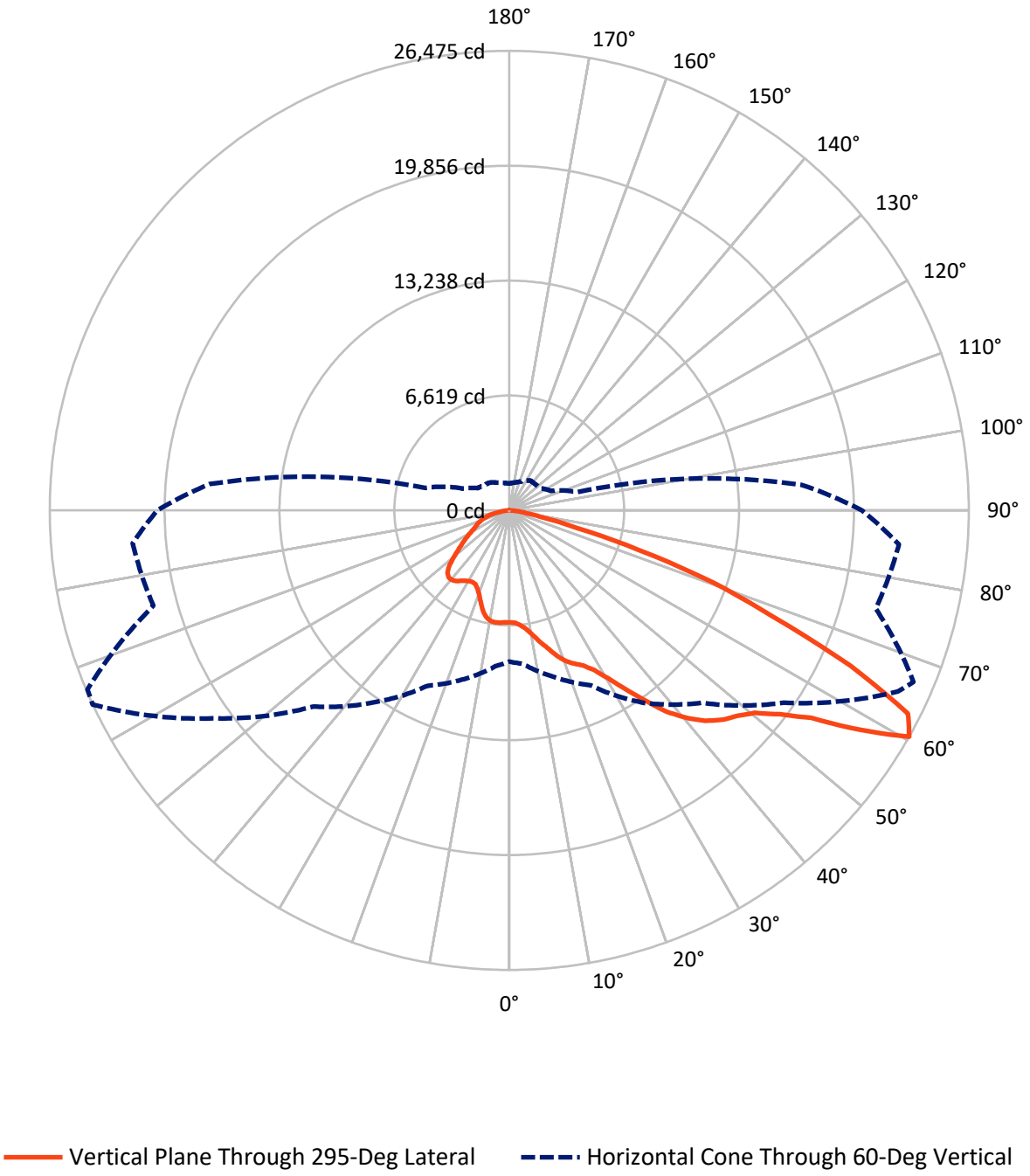

Based on 30 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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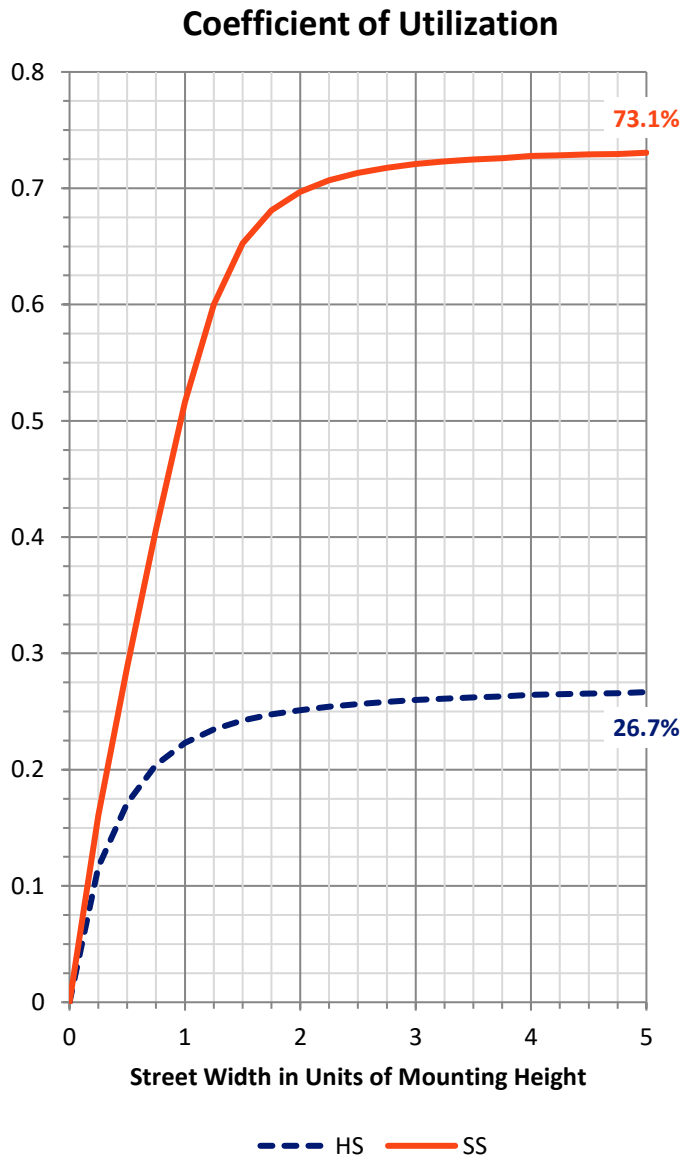
REPORT NUMBER: P1501563
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 10790.9 | 0.0 | 10790.9 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 29337.2 | 0.0 | 29337.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 40128.1 | 0.0 | 40128.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 607.1 | 1.5 |
| 10°-20° | 1745.1 | 4.3 |
| 20°-30° | 3305.5 | 8.2 |
| 30°-40° | 5827.4 | 14.5 |
| 40°-50° | 8618.1 | 21.5 |
| 50°-60° | 10120.0 | 25.2 |
| 60°-70° | 7332.4 | 18.3 |
| 70°-80° | 2261.2 | 5.6 |
| 80°-90° | 311.3 | 0.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 40128.1 | 100.0 |
| 0°-180° | 40128.1 | 100.0 |



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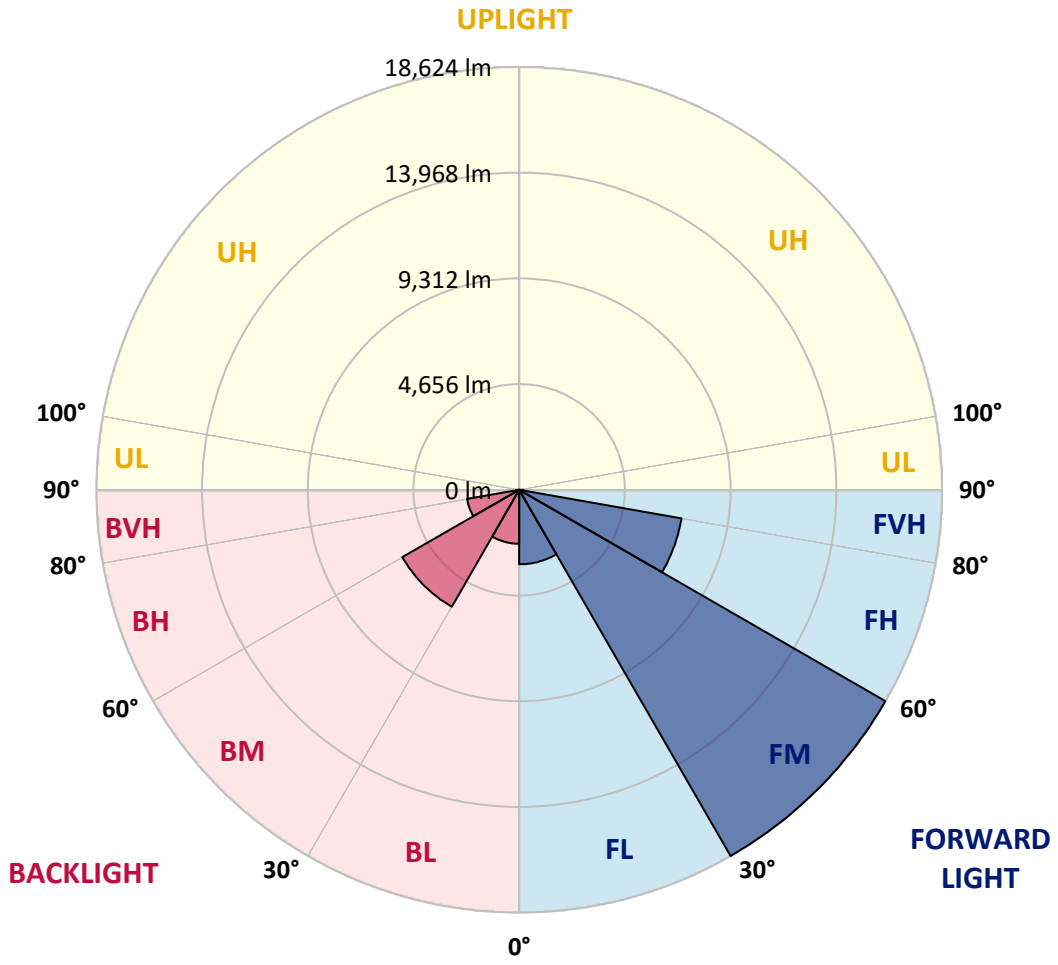
Scaled Data Report

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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 3281.1 | 8.2 | | | |
| FM | (30°-60°) | 18623.7 | 46.4 | | | |
| FH | (60°-80°) | 7264.4 | 18.1 | | | G3/7500 |
| FVH | (80°-90°) | 167.9 | 0.4 | | | G2/225 |
| BL | (0°-30°) | 2376.5 | 5.9 | B3/2500 | | |
| BM | (30°-60°) | 5941.8 | 14.8 | B4/8500 | | |
| BH | (60°-80°) | 2329.2 | 5.8 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 143.4 | 0.4 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B4-U0-G3**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 |
| 2.5° | 6584.5 | 6602.7 | 6575.3 | 6593.6 | 6593.6 | 6566.2 | 6557.0 | 6520.4 | 6538.7 | 6529.6 | 6520.4 |
| 5° | 6739.9 | 6749.1 | 6730.8 | 6758.2 | 6758.2 | 6767.4 | 6758.2 | 6712.5 | 6712.5 | 6712.5 | 6694.2 |
| 7.5° | 6694.2 | 6694.2 | 6703.3 | 6794.8 | 6886.2 | 7005.1 | 7005.1 | 6986.8 | 7005.1 | 6996.0 | 6913.7 |
| 10° | 6310.1 | 6346.7 | 6429.0 | 6657.6 | 6877.1 | 7133.2 | 7306.9 | 7361.8 | 7361.8 | 7370.9 | 7233.8 |
| 12.5° | 5624.2 | 5651.7 | 5843.7 | 6191.2 | 6648.5 | 7114.9 | 7535.5 | 7809.9 | 7837.3 | 7883.1 | 7700.2 |
| 15° | 5011.5 | 5029.8 | 5167.0 | 5523.6 | 6044.9 | 6867.9 | 7663.6 | 8230.6 | 8322.0 | 8514.1 | 8239.7 |
| 17.5° | 5066.4 | 5057.2 | 5093.8 | 5231.0 | 5605.9 | 6465.6 | 7636.1 | 8724.4 | 8889.0 | 9227.4 | 8989.6 |
| 20° | 5395.6 | 5395.6 | 5423.0 | 5450.5 | 5587.6 | 6172.9 | 7434.9 | 9126.8 | 9446.9 | 10105.3 | 9831.0 |
| 22.5° | 5916.9 | 5916.9 | 5907.7 | 5953.4 | 5953.4 | 6301.0 | 7444.1 | 9428.6 | 9904.1 | 11083.8 | 10818.6 |
| 25° | 6639.3 | 6602.7 | 6602.7 | 6621.0 | 6538.7 | 6785.6 | 7672.7 | 9739.5 | 10361.4 | 12245.3 | 12016.6 |
| 27.5° | 7453.2 | 7480.7 | 7462.4 | 7398.4 | 7288.6 | 7480.7 | 8221.4 | 10224.2 | 10873.5 | 13470.7 | 13379.2 |
| 30° | 8340.3 | 8349.5 | 8367.7 | 8331.2 | 8239.7 | 8376.9 | 9081.1 | 10955.8 | 11550.2 | 14751.0 | 14952.2 |
| 32.5° | 9209.1 | 9337.1 | 9291.4 | 9199.9 | 9236.5 | 9483.4 | 10141.9 | 11943.5 | 12556.2 | 15939.9 | 16653.2 |
| 35° | 10315.6 | 10361.4 | 10544.3 | 10205.9 | 10215.0 | 10635.7 | 11495.4 | 13242.1 | 13836.5 | 17174.4 | 18354.2 |
| 37.5° | 11925.2 | 12007.5 | 11925.2 | 11394.8 | 11312.5 | 11897.7 | 12812.2 | 14522.4 | 14952.2 | 18107.2 | 19936.3 |
| 40° | 13507.3 | 13607.9 | 13745.0 | 13123.2 | 12601.9 | 13086.6 | 14056.0 | 15500.9 | 15949.0 | 18619.4 | 20987.9 |
| 42.5° | 14815.0 | 14979.6 | 14833.3 | 14650.4 | 14174.9 | 14266.3 | 14924.8 | 16259.9 | 16708.0 | 19268.7 | 22048.8 |
| 45° | 15921.6 | 15949.0 | 16013.0 | 15885.0 | 15647.2 | 15564.9 | 15665.5 | 16927.5 | 17421.4 | 19561.3 | 22570.0 |
| 47.5° | 16378.8 | 16497.7 | 16552.6 | 16772.1 | 17019.0 | 16854.4 | 16296.5 | 17238.5 | 17686.6 | 19543.0 | 22734.6 |
| 50° | 16131.9 | 16250.8 | 16543.4 | 17064.7 | 17659.1 | 17951.8 | 17037.3 | 17668.3 | 18171.3 | 19872.2 | 23073.0 |
| 52.5° | 15482.6 | 15610.6 | 16086.2 | 16680.6 | 17677.4 | 18345.0 | 18079.8 | 18564.5 | 19049.2 | 20457.5 | 23640.0 |
| 55° | 13909.7 | 14101.7 | 14769.3 | 15757.0 | 17128.7 | 18134.7 | 19177.2 | 19881.4 | 20411.8 | 21161.7 | 24225.3 |
| 57.5° | 11623.4 | 11824.6 | 12574.5 | 14056.0 | 16113.6 | 17265.9 | 19497.3 | 22350.6 | 22588.3 | 22003.0 | 24280.2 |
| 60° | *8706.1* | *8870.7* | *9931.5* | *11120.4* | *13534.7* | *15674.7* | *19314.4* | *24691.7* | *25295.3* | *21856.7* | *22533.5* |
| 62.5° | 6895.4 | 7096.6 | 8038.5 | 8587.2 | 10315.6 | 12949.4 | 18674.2 | 25341.0 | 25862.3 | 20649.6 | 20100.9 |
| 65° | 5386.4 | 5523.6 | 6401.6 | 7188.0 | 7608.7 | 8843.3 | 16003.9 | 22167.7 | 22634.1 | 18683.4 | 16589.2 |
| 67.5° | 3557.4 | 3767.8 | 4810.3 | 5889.4 | 6108.9 | 5624.2 | 11010.7 | 17055.6 | 17275.0 | 14851.6 | 12473.9 |
| 70° | 2551.5 | 2652.1 | 3429.4 | 4581.7 | 4910.9 | 3767.8 | 5999.2 | 12912.8 | 12976.9 | 9968.1 | 8404.3 |
| 72.5° | 1737.6 | 1755.9 | 2332.0 | 3511.7 | 3914.1 | 2734.4 | 3301.4 | 8504.9 | 8285.4 | 4920.0 | 4810.3 |
| 75° | 1179.7 | 1198.0 | 1490.6 | 2341.1 | 2771.0 | 1902.2 | 2149.1 | 4636.6 | 4453.7 | 2716.1 | 2917.3 |
| 77.5° | 795.6 | 813.9 | 1024.2 | 1573.0 | 1847.3 | 1316.9 | 1573.0 | 2450.9 | 2405.2 | 1801.6 | 1563.8 |
| 80° | 603.6 | 631.0 | 759.0 | 1006.0 | 1289.5 | 768.2 | 896.2 | 1161.4 | 1179.7 | 960.2 | 795.6 |
| 82.5° | 338.4 | 374.9 | 457.3 | 512.1 | 832.2 | 429.8 | 429.8 | 695.0 | 667.6 | 594.4 | 429.8 |
| 85° | 146.3 | 155.5 | 182.9 | 192.0 | 338.4 | 182.9 | 155.5 | 301.8 | 310.9 | 292.6 | 137.2 |
| 87.5° | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 36.6 | 36.6 | 36.6 | 36.6 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 |
| 2.5° | 6474.7 | 6529.6 | 6474.7 | 6447.3 | 6447.3 | 6401.6 | 6383.3 | 6383.3 | 6319.2 | 6346.7 | 6328.4 |
| 5° | 6621.0 | 6639.3 | 6575.3 | 6493.0 | 6383.3 | 6291.8 | 6163.8 | 5999.2 | 5898.6 | 5889.4 | 5898.6 |
| 7.5° | 6849.7 | 6858.8 | 6685.0 | 6502.1 | 6227.8 | 5898.6 | 5505.3 | 5185.3 | 4901.8 | 4856.0 | 4910.9 |
| 10° | 7169.7 | 7151.4 | 6895.4 | 6465.6 | 5889.4 | 5194.4 | 4590.8 | 4298.2 | 4133.6 | 4124.4 | 4115.3 |
| 12.5° | 7599.6 | 7480.7 | 7087.4 | 6310.1 | 5304.1 | 4499.4 | 4188.4 | 4170.2 | 4215.9 | 4252.5 | 4261.6 |
| 15° | 8093.4 | 7937.9 | 7242.9 | 6008.3 | 4709.7 | 4243.3 | 4261.6 | 4417.1 | 4471.9 | 4508.5 | 4508.5 |
| 17.5° | 8706.1 | 8504.9 | 7416.7 | 5578.5 | 4407.9 | 4298.2 | 4426.2 | 4572.5 | 4664.0 | 4700.6 | 4691.4 |
| 20° | 9520.0 | 9099.3 | 7553.8 | 5167.0 | 4325.6 | 4389.6 | 4499.4 | 4645.7 | 4737.1 | 4782.9 | 4782.9 |
| 22.5° | 10333.9 | 9812.7 | 7581.3 | 4883.5 | 4325.6 | 4398.8 | 4499.4 | 4645.7 | 4746.3 | 4792.0 | 4782.9 |
| 25° | 11440.5 | 10727.2 | 7590.4 | 4682.3 | 4334.8 | 4353.1 | 4444.5 | 4572.5 | 4718.9 | 4764.6 | 4782.9 |
| 27.5° | 12620.2 | 11733.1 | 7636.1 | 4636.6 | 4298.2 | 4289.0 | 4353.1 | 4471.9 | 4618.3 | 4737.1 | 4746.3 |
| 30° | 14083.4 | 12867.1 | 7654.4 | 4682.3 | 4307.3 | 4188.4 | 4234.2 | 4353.1 | 4508.5 | 4627.4 | 4664.0 |
| 32.5° | 15519.2 | 13918.8 | 7617.8 | 4782.9 | 4325.6 | 4124.4 | 4133.6 | 4206.7 | 4371.3 | 4453.7 | 4517.7 |
| 35° | 17037.3 | 15034.5 | 7553.8 | 4920.0 | 4334.8 | 4097.0 | 4014.7 | 4051.3 | 4161.0 | 4170.2 | 4197.6 |
| 37.5° | 18226.1 | 15866.7 | 7361.8 | 5103.0 | 4353.1 | 3996.4 | 3831.8 | 3804.4 | 3758.6 | 3667.2 | 3685.5 |
| 40° | 19204.7 | 16424.6 | 7041.7 | 5194.4 | 4307.3 | 3877.5 | 3603.2 | 3475.1 | 3301.4 | 3164.2 | 3191.6 |
| 42.5° | 19908.8 | 16799.5 | 6657.6 | 5212.7 | 4234.2 | 3676.3 | 3338.0 | 3118.5 | 2926.4 | 2780.1 | 2789.2 |
| 45° | 20219.8 | 16762.9 | 6246.1 | 5075.5 | 4060.4 | 3429.4 | 3091.0 | 2880.7 | 2670.4 | 2514.9 | 2496.6 |
| 47.5° | 20228.9 | 16406.3 | 5679.1 | 4746.3 | 3767.8 | 3145.9 | 2862.4 | 2633.8 | 2460.0 | 2350.3 | 2341.1 |
| 50° | 20302.1 | 16205.1 | 5148.7 | 4270.7 | 3383.7 | 2844.1 | 2661.2 | 2432.6 | 2332.0 | 2176.5 | 2130.8 |
| 52.5° | 20759.3 | 16534.3 | 4782.9 | 3749.5 | 3027.0 | 2624.6 | 2487.5 | 2286.3 | 2121.7 | 2021.1 | 2011.9 |
| 55° | 21500.1 | 17101.3 | 4581.7 | 3356.2 | 2688.7 | 2414.3 | 2322.8 | 2149.1 | 2002.8 | 1902.2 | 1874.7 |
| 57.5° | 21591.5 | 17393.9 | 4343.9 | 2990.4 | 2414.3 | 2249.7 | 2213.1 | 2021.1 | 1810.7 | 1737.6 | 1710.1 |
| 60° | *20311.2* | *16900.1* | *4051.3* | *2652.1* | *2213.1* | *2121.7* | *2103.4* | *1847.3* | *1673.5* | *1582.1* | *1545.5* |
| 62.5° | 18564.5 | 15665.5 | 3603.2 | 2341.1 | 2057.6 | 1993.6 | 1920.5 | 1719.3 | 1499.8 | 1399.2 | 1371.8 |
| 65° | 15171.7 | 13168.9 | 3063.6 | 2130.8 | 1902.2 | 1829.0 | 1810.7 | 1536.4 | 1390.1 | 1335.2 | 1326.0 |
| 67.5° | 11495.4 | 10580.8 | 2697.8 | 1975.3 | 1737.6 | 1710.1 | 1646.1 | 1554.7 | 1490.6 | 1426.6 | 1408.3 |
| 70° | 8130.0 | 7636.1 | 2295.4 | 1774.1 | 1573.0 | 1527.2 | 1792.4 | 1691.8 | 1463.2 | 1380.9 | 1371.8 |
| 72.5° | 4929.2 | 4792.0 | 1984.5 | 1591.2 | 1353.5 | 1426.6 | 1655.3 | 1527.2 | 1316.9 | 1216.3 | 1179.7 |
| 75° | 3109.3 | 2844.1 | 1664.4 | 1353.5 | 1079.1 | 1161.4 | 1444.9 | 1362.6 | 1134.0 | 1033.4 | 1006.0 |
| 77.5° | 1691.8 | 1573.0 | 1252.9 | 1106.6 | 850.5 | 941.9 | 1262.0 | 1124.8 | 905.4 | 987.7 | 877.9 |
| 80° | 740.8 | 823.1 | 832.2 | 640.2 | 567.0 | 695.0 | 905.4 | 877.9 | 695.0 | 704.2 | 585.3 |
| 82.5° | 356.7 | 466.4 | 539.6 | 439.0 | 320.1 | 411.5 | 603.6 | 503.0 | 466.4 | 439.0 | 420.7 |
| 85° | 109.7 | 173.8 | 237.8 | 210.3 | 146.3 | 173.8 | 283.5 | 274.4 | 329.2 | 283.5 | 265.2 |
| 87.5° | 36.6 | 36.6 | 27.4 | 27.4 | 27.4 | 36.6 | 45.7 | 27.4 | 9.1 | 9.1 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 |
| 2.5° | 6319.2 | 6328.4 | 6328.4 | 6337.5 | 6337.5 | 6365.0 | 6401.6 | 6438.1 | 6410.7 | 6447.3 | 6456.4 |
| 5° | 5880.3 | 5926.0 | 5962.6 | 6099.8 | 6209.5 | 6301.0 | 6401.6 | 6493.0 | 6520.4 | 6538.7 | 6584.5 |
| 7.5° | 4846.9 | 4974.9 | 5212.7 | 5523.6 | 5871.1 | 6209.5 | 6438.1 | 6675.9 | 6712.5 | 6758.2 | 6822.2 |
| 10° | 4124.4 | 4179.3 | 4343.9 | 4664.0 | 5285.9 | 5953.4 | 6511.3 | 6886.2 | 7041.7 | 7133.2 | 7197.2 |
| 12.5° | 4243.3 | 4206.7 | 4179.3 | 4225.0 | 4627.4 | 5487.0 | 6465.6 | 7188.0 | 7480.7 | 7581.3 | 7663.6 |
| 15° | 4526.8 | 4490.2 | 4389.6 | 4261.6 | 4307.3 | 4993.2 | 6310.1 | 7471.5 | 7937.9 | 8102.5 | 8276.3 |
| 17.5° | 4691.4 | 4654.8 | 4572.5 | 4435.4 | 4316.5 | 4581.7 | 6017.5 | 7727.6 | 8660.4 | 8861.6 | 9108.5 |
| 20° | 4782.9 | 4746.3 | 4664.0 | 4526.8 | 4389.6 | 4426.2 | 5642.5 | 8047.7 | 9483.4 | 9803.5 | 10169.3 |
| 22.5° | 4801.2 | 4755.4 | 4664.0 | 4526.8 | 4444.5 | 4417.1 | 5285.9 | 8239.7 | 10370.5 | 10864.3 | 11285.0 |
| 25° | 4792.0 | 4709.7 | 4590.8 | 4490.2 | 4444.5 | 4435.4 | 5038.9 | 8349.5 | 11330.7 | 12117.2 | 12592.8 |
| 27.5° | 4728.0 | 4627.4 | 4508.5 | 4435.4 | 4417.1 | 4471.9 | 4929.2 | 8477.5 | 12455.6 | 13461.5 | 14220.6 |
| 30° | 4654.8 | 4508.5 | 4362.2 | 4334.8 | 4380.5 | 4554.2 | 5020.6 | 8523.2 | 13635.3 | 14924.8 | 15702.1 |
| 32.5° | 4462.8 | 4353.1 | 4206.7 | 4197.6 | 4307.3 | 4618.3 | 5231.0 | 8459.2 | 14677.8 | 16388.0 | 17366.5 |
| 35° | 4188.4 | 4124.4 | 4042.1 | 4069.6 | 4243.3 | 4673.1 | 5377.3 | 8258.0 | 15628.9 | 17750.6 | 18893.7 |
| 37.5° | 3703.8 | 3749.5 | 3795.2 | 3859.2 | 4078.7 | 4664.0 | 5441.3 | 7937.9 | 16415.4 | 18838.8 | 20302.1 |
| 40° | 3164.2 | 3319.7 | 3466.0 | 3630.6 | 3923.2 | 4590.8 | 5459.6 | 7544.7 | 16872.7 | 19661.9 | 21554.9 |
| 42.5° | 2825.8 | 2972.1 | 3155.0 | 3392.8 | 3712.9 | 4426.2 | 5441.3 | 7105.7 | 17019.0 | 20228.9 | 22350.6 |
| 45° | 2514.9 | 2688.7 | 2917.3 | 3164.2 | 3530.0 | 4188.4 | 5276.7 | 6630.2 | 17092.1 | 20494.1 | 22688.9 |
| 47.5° | 2350.3 | 2450.9 | 2661.2 | 2908.1 | 3292.2 | 3895.8 | 4956.6 | 6282.7 | 16982.4 | 20549.0 | 23100.5 |
| 50° | 2158.2 | 2295.4 | 2432.6 | 2670.4 | 3045.3 | 3530.0 | 4572.5 | 6081.5 | 17165.3 | 21088.5 | 23749.8 |
| 52.5° | 2011.9 | 2085.1 | 2231.4 | 2450.9 | 2725.2 | 3191.6 | 4206.7 | 5916.9 | 17668.3 | 21637.2 | 24426.5 |
| 55° | 1902.2 | 1984.5 | 2075.9 | 2258.8 | 2469.2 | 2853.3 | 3831.8 | 5669.9 | 18253.6 | 22222.5 | 25103.2 |
| 57.5° | 1728.4 | 1783.3 | 1911.3 | 2103.4 | 2240.5 | 2524.0 | 3392.8 | 5377.3 | 18207.8 | 21765.3 | 23932.7 |
| 60° | *1573.0* | *1627.8* | *1765.0* | *1957.0* | *2039.4* | *2231.4* | *2963.0* | *5002.4* | *17329.9* | *20274.6* | *21774.4* |
| 62.5° | 1399.2 | 1463.2 | 1627.8 | 1765.0 | 1838.2 | 1984.5 | 2514.9 | 4316.5 | 15500.9 | 18034.1 | 19250.4 |
| 65° | 1326.0 | 1362.6 | 1472.4 | 1637.0 | 1627.8 | 1765.0 | 2121.7 | 3392.8 | 12473.9 | 13781.6 | 14888.2 |
| 67.5° | 1408.3 | 1463.2 | 1444.9 | 1490.6 | 1463.2 | 1536.4 | 1902.2 | 2725.2 | 9803.5 | 10379.7 | 11019.8 |
| 70° | 1390.1 | 1518.1 | 1582.1 | 1490.6 | 1280.3 | 1362.6 | 1646.1 | 2176.5 | 7014.3 | 6959.4 | 6932.0 |
| 72.5° | 1216.3 | 1344.3 | 1527.2 | 1618.7 | 1252.9 | 1134.0 | 1426.6 | 1883.9 | 4499.4 | 4481.1 | 4051.3 |
| 75° | 1033.4 | 1124.8 | 1344.3 | 1463.2 | 1079.1 | 914.5 | 1225.4 | 1600.4 | 2688.7 | 2725.2 | 2432.6 |
| 77.5° | 951.1 | 905.4 | 1124.8 | 1289.5 | 877.9 | 704.2 | 987.7 | 1207.1 | 1481.5 | 1499.8 | 1390.1 |
| 80° | 685.9 | 658.4 | 841.3 | 941.9 | 667.6 | 503.0 | 557.8 | 749.9 | 795.6 | 713.3 | 740.8 |
| 82.5° | 439.0 | 448.1 | 503.0 | 603.6 | 411.5 | 274.4 | 384.1 | 503.0 | 429.8 | 347.5 | 411.5 |
| 85° | 283.5 | 320.1 | 265.2 | 310.9 | 128.0 | 128.0 | 164.6 | 219.5 | 146.3 | 100.6 | 109.7 |
| 87.5° | 0.0 | 0.0 | 18.3 | 36.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1501563
CATALOG NUMBER: GSS-SB6C-835-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6456.4 | 6456.4 | *6456.4* | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 | 6456.4 |
| 2.5° | 6483.9 | 6474.7 | *6474.7* | 6493.0 | 6538.7 | 6557.0 | 6584.5 | 6575.3 | 6602.7 | 6584.5 |
| 5° | 6611.9 | 6621.0 | *6648.5* | 6657.6 | 6685.0 | 6721.6 | 6730.8 | 6721.6 | 6739.9 | 6739.9 |
| 7.5° | 6867.9 | 6904.5 | *6886.2* | 6932.0 | 6895.4 | 6849.7 | 6776.5 | 6721.6 | 6675.9 | 6694.2 |
| 10° | 7297.8 | 7279.5 | *7270.3* | 7188.0 | 7023.4 | 6785.6 | 6593.6 | 6383.3 | 6346.7 | 6310.1 |
| 12.5° | 7773.3 | 7755.0 | *7755.0* | 7471.5 | 7005.1 | 6511.3 | 6072.3 | 5743.1 | 5633.4 | 5624.2 |
| 15° | 8440.9 | 8322.0 | *8212.3* | 7617.8 | 6685.0 | 5843.7 | 5331.6 | 5075.5 | 5011.5 | 5011.5 |
| 17.5° | 9273.1 | 8962.2 | *8779.3* | 7508.1 | 6163.8 | 5404.7 | 5103.0 | 5038.9 | 5020.6 | 5066.4 |
| 20° | 10306.5 | 9520.0 | *9254.8* | 7261.2 | 5971.7 | 5459.6 | 5313.3 | 5322.4 | 5331.6 | 5395.6 |
| 22.5° | 11440.5 | 10032.1 | *9593.2* | 7261.2 | 6163.8 | 5807.1 | 5734.0 | 5834.6 | 5862.0 | 5916.9 |
| 25° | 12702.5 | 10489.4 | *9895.0* | 7645.3 | 6730.8 | 6465.6 | 6374.1 | 6474.7 | 6547.9 | 6639.3 |
| 27.5° | 14120.0 | 10964.9 | *10416.2* | 8340.3 | 7462.4 | 7297.8 | 7197.2 | 7242.9 | 7343.5 | 7453.2 |
| 30° | 15391.2 | 11760.6 | *11211.9* | 9401.1 | 8459.2 | 8258.0 | 8084.2 | 8157.4 | 8267.1 | 8340.3 |
| 32.5° | 16516.0 | 12729.9 | *12263.5* | 10516.8 | 9602.3 | 9254.8 | 9062.8 | 9044.5 | 9264.0 | 9209.1 |
| 35° | 17549.4 | 13873.1 | *13425.0* | 11788.0 | 10763.8 | 10333.9 | 10077.9 | 10407.1 | 10260.8 | 10315.6 |
| 37.5° | 18363.3 | 15061.9 | *14705.3* | 13004.3 | 11970.9 | 11385.6 | 11230.1 | 11632.5 | 11861.2 | 11925.2 |
| 40° | 19030.9 | 16095.3 | *15720.4* | 14211.4 | 13077.5 | 12647.6 | 12894.6 | 13562.1 | 13534.7 | 13507.3 |
| 42.5° | 19543.0 | 16982.4 | *16570.9* | 15125.9 | 14138.3 | 14220.6 | 14412.6 | 14860.7 | 14970.5 | 14815.0 |
| 45° | 19771.6 | 17540.2 | *17211.0* | 15848.4 | 15345.4 | 15821.0 | 15903.3 | 16095.3 | 16022.2 | 15921.6 |
| 47.5° | 20036.9 | 18034.1 | *17686.6* | 16506.9 | 16653.2 | 17119.6 | 16955.0 | 16799.5 | 16534.3 | 16378.8 |
| 50° | 20485.0 | 18619.4 | *18326.7* | 17467.1 | 17997.5 | 17842.0 | 17201.9 | 16854.4 | 16314.8 | 16131.9 |
| 52.5° | 21335.5 | 19725.9 | *19506.4* | 18985.2 | 18628.5 | 17732.3 | 16955.0 | 16333.1 | 15729.5 | 15482.6 |
| 55° | 22094.5 | 21225.7 | *21097.7* | 20402.7 | 18436.5 | 17156.2 | 16113.6 | 15153.4 | 14120.0 | 13909.7 |
| 57.5° | 22533.5 | 23713.2 | *23859.5* | 21006.2 | 17558.5 | 15848.4 | 14312.0 | 12775.7 | 11797.1 | 11623.4 |
| 60° | *21225.7* | *26401.8* | *26475.0* | *20887.3* | *15976.4* | *13489.0* | *11147.8* | *10059.6* | *9007.9* | *8706.1* |
| 62.5° | 19424.1 | 25844.0 | *25780.0* | 20174.0 | 12720.8 | 9840.1 | 8468.3 | 7956.2 | 7142.3 | 6895.4 |
| 65° | 16698.9 | 21527.5 | *21600.7* | 17430.5 | 8459.2 | 7114.9 | 7114.9 | 6465.6 | 5560.2 | 5386.4 |
| 67.5° | 13607.9 | 16598.3 | *16433.7* | 11303.3 | 5194.4 | 5697.4 | 5971.7 | 5038.9 | 3767.8 | 3557.4 |
| 70° | 8843.3 | 12675.1 | *12446.4* | 6520.4 | 3264.8 | 4746.3 | 4700.6 | 3786.1 | 2697.8 | 2551.5 |
| 72.5° | 3804.4 | 7325.2 | *7791.6* | 3328.8 | 2460.0 | 3822.6 | 3749.5 | 2652.1 | 1801.6 | 1737.6 |
| 75° | 2295.4 | 3685.5 | *4014.7* | 2121.7 | 1792.4 | 2880.7 | 2597.2 | 1682.7 | 1225.4 | 1179.7 |
| 77.5° | 1454.1 | 2021.1 | *2002.8* | 1591.2 | 1344.3 | 1947.9 | 1746.7 | 1161.4 | 832.2 | 795.6 |
| 80° | 841.3 | 996.8 | *1033.4* | 996.8 | 905.4 | 1390.1 | 1115.7 | 841.3 | 649.3 | 603.6 |
| 82.5° | 539.6 | 621.9 | *631.0* | 484.7 | 503.0 | 896.2 | 603.6 | 493.8 | 374.9 | 338.4 |
| 85° | 237.8 | 265.2 | *256.1* | 164.6 | 164.6 | 365.8 | 210.3 | 201.2 | 146.3 | 146.3 |
| 87.5° | 9.1 | 18.3 | *9.1* | 9.1 | 9.1 | 36.6 | 18.3 | 27.4 | 27.4 | 27.4 |
| 90° | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

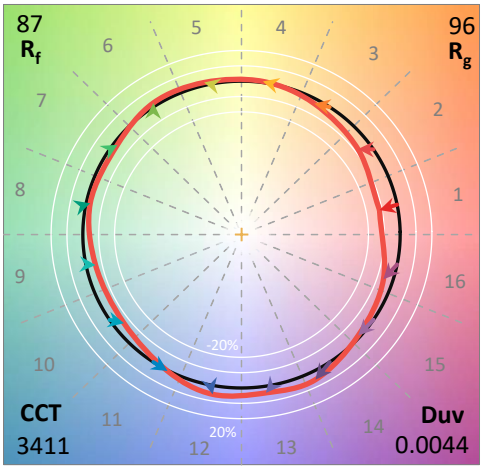
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-10 |
| 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-835-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3411 |
| CIE u': | 0.2360 |
| CIE v': | 0.5189 |
| Duv: | 0.0044 |
| CIE x: | 0.4154 |
| CIE y: | 0.4059 |
| CIE z: | 0.1787 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 579 |
| Purity: | 46.51914 |
| Rf: | 86.6 |
| Rg: | 95.9 |

| | |
|---|---|
| CRI (Ra): | 83.5 |
| R1: | 81.1 |
| R2: | 88.9 |
| R3: | 97.2 |
| R4: | 83.8 |
| R5: | 81.7 |
| R6: | 86.9 |
| R7: | 86.1 |
| R8: | 62.2 |
| R9: | 6.3 |
| R10: | 75.4 |
| R11: | 84.1 |
| R12: | 69.7 |
| R13: | 82.8 |
| R14: | 98.5 |
| R15: | 72.6 |




## Test Conditions

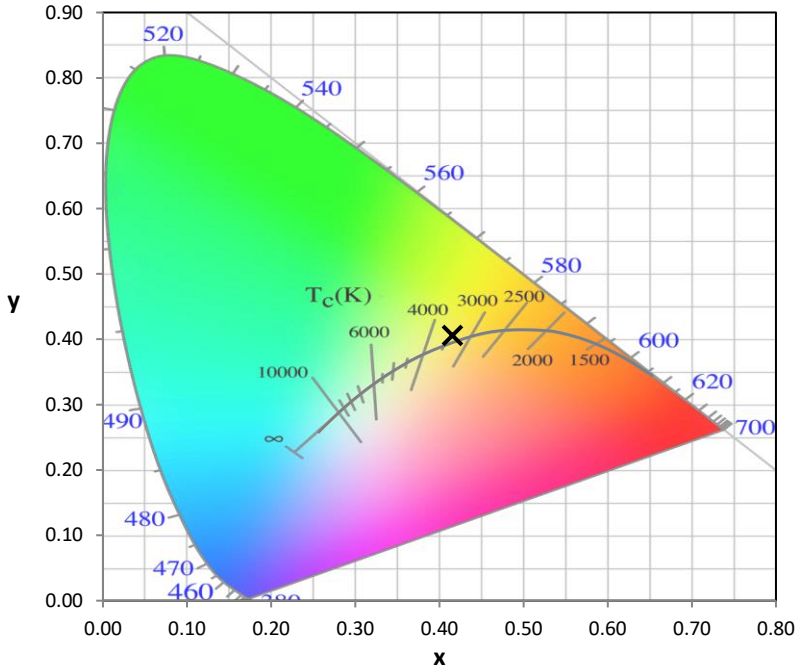
| | |
|---|---|
| Stabilization Time: | 35M |
| Operation Time: | 1H 35M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-10

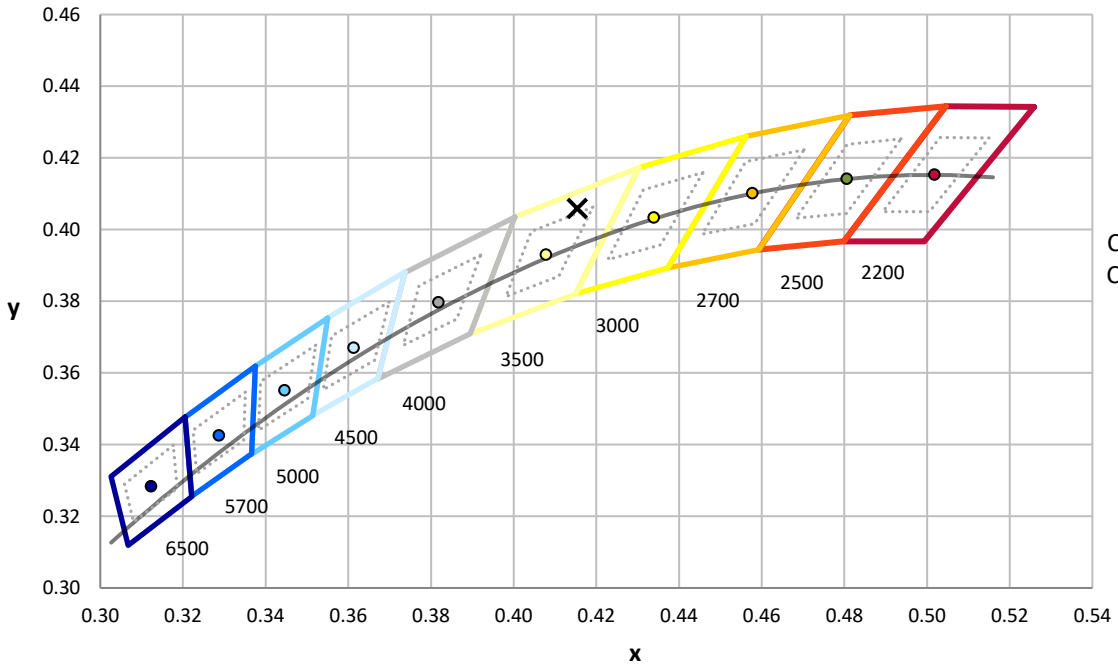
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

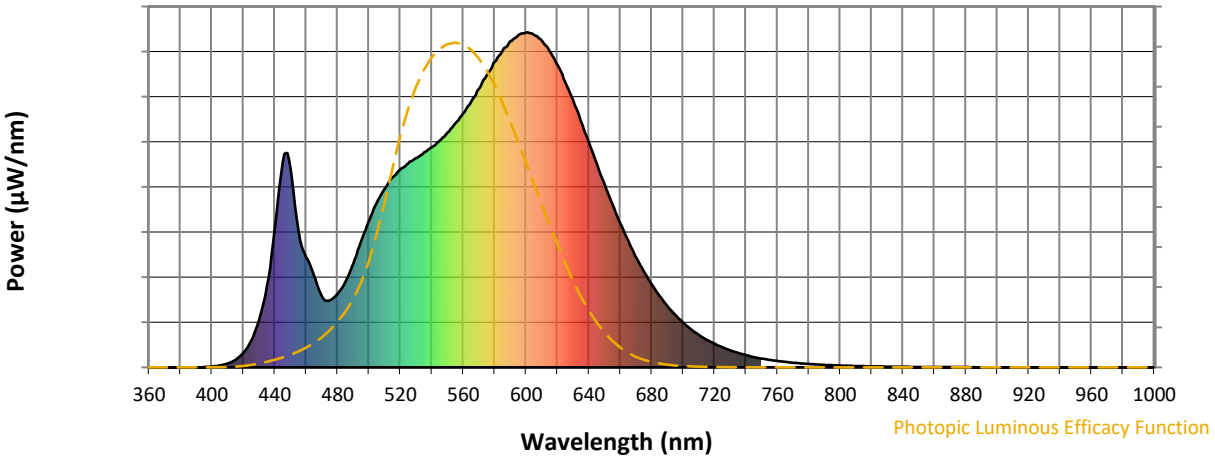



CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

## Photopic Flux vs. Wavelength

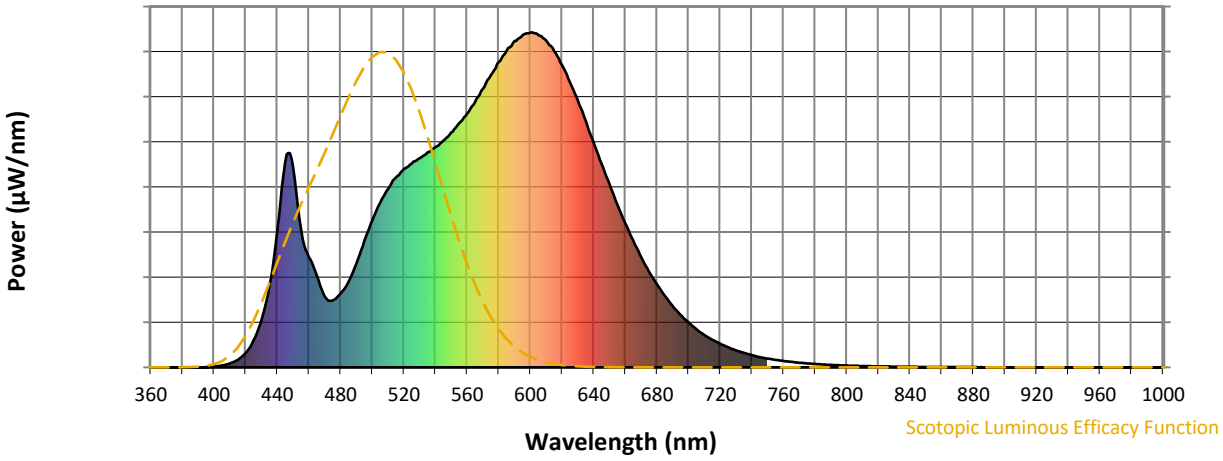



## Photopic Lumens: NR

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Scotopic Flux vs. Wavelength

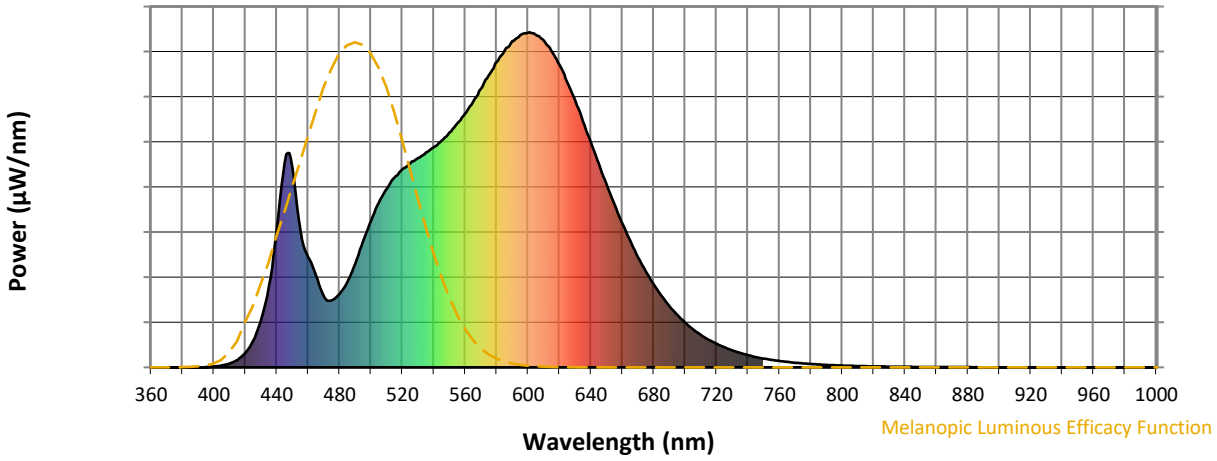



**Scotopic Lumens: NR** **S/P: 1.48**

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.88**

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

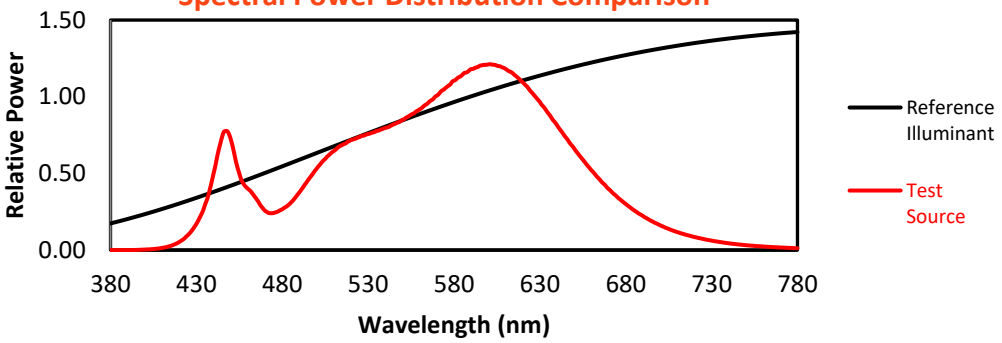
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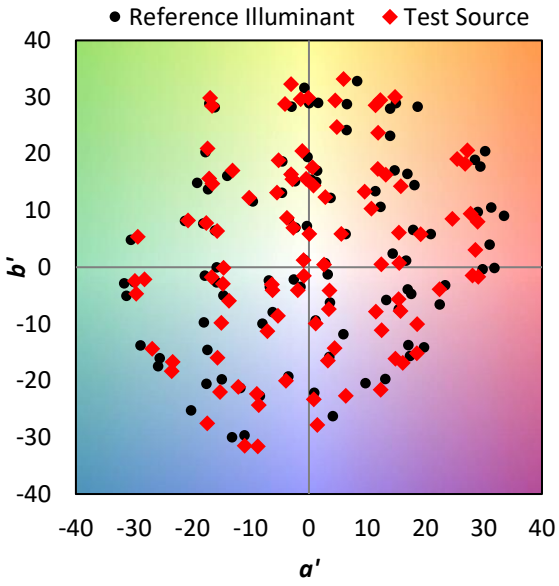
## Summary

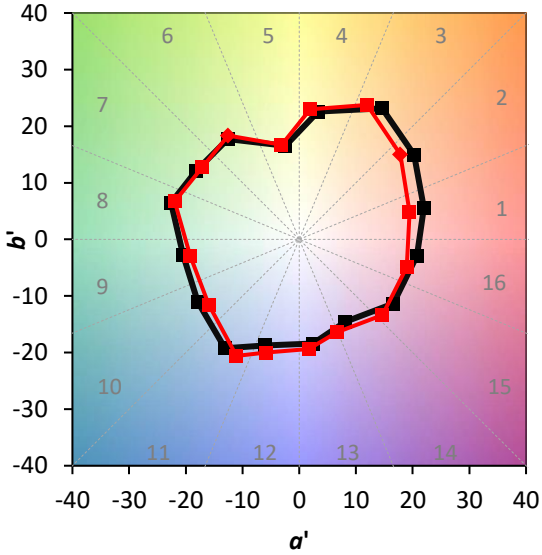
$R_f$ = 86.6
$R_g$ = 95.9
CIE $R_a$ = 83.5
$R_9$ = 6.3

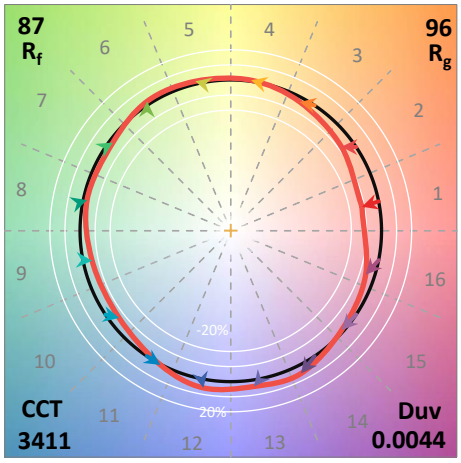
## Spectral Power Distribution Comparison

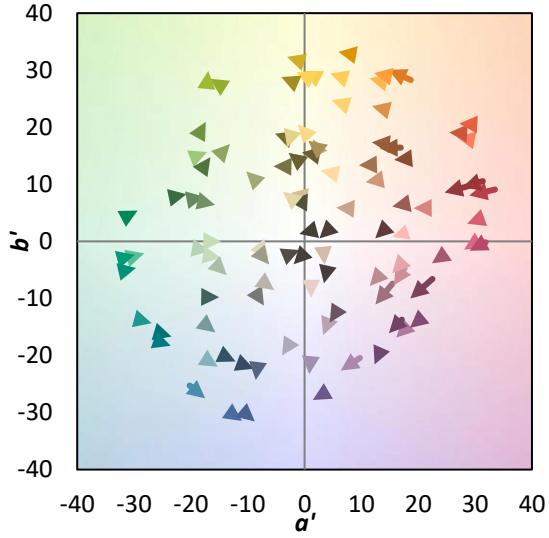



## Color Vector Graphics



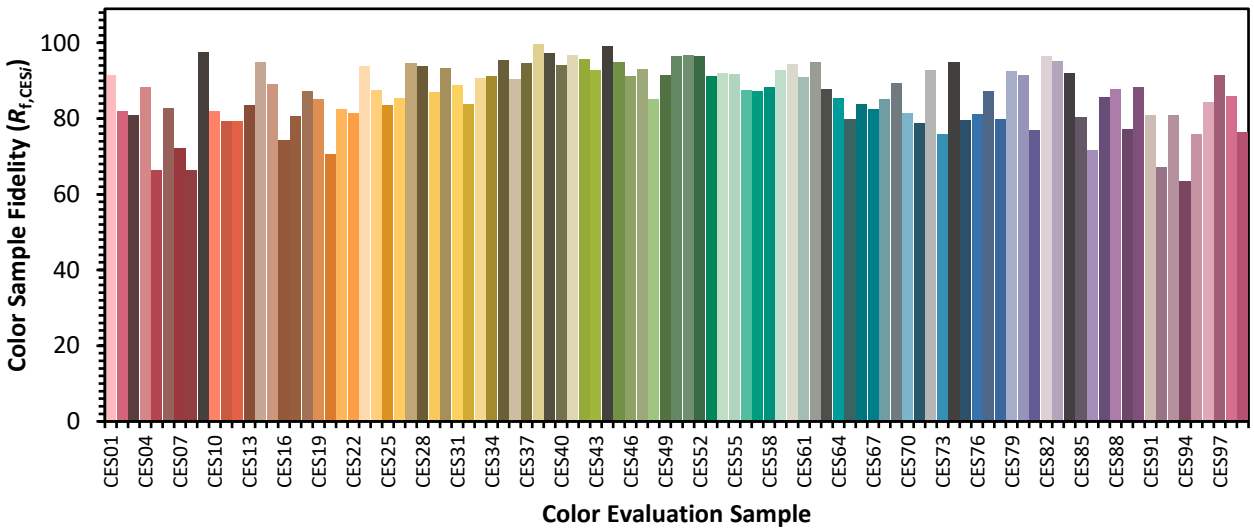



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**Individual Sample Fidelity Index ($R_{f,i}$)**

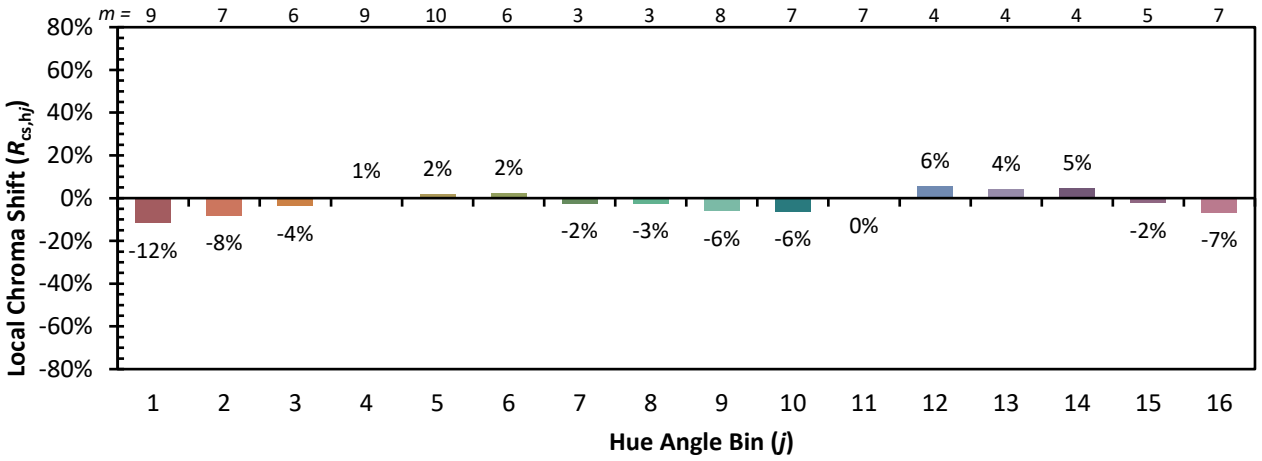
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 85 | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95 | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94 | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87 | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93 | CES55 = 92 | CES80 = 91 |
| CES06 = 51 | CES31 = 89 | CES56 = 88 | CES81 = 77 |
| CES07 = 41 | CES32 = 84 | CES57 = 87 | CES82 = 96 |
| CES08 = 40 | CES33 = 91 | CES58 = 88 | CES83 = 95 |
| CES09 = 29 | CES34 = 91 | CES59 = 93 | CES84 = 92 |
| CES10 = 75 | CES35 = 95 | CES60 = 94 | CES85 = 80 |
| CES11 = 58 | CES36 = 90 | CES61 = 91 | CES86 = 72 |
| CES12 = 64 | CES37 = 95 | CES62 = 95 | CES87 = 86 |
| CES13 = 43 | CES38 = 100 | CES63 = 88 | CES88 = 88 |
| CES14 = 74 | CES39 = 97 | CES64 = 85 | CES89 = 77 |
| CES15 = 71 | CES40 = 94 | CES65 = 80 | CES90 = 88 |
| CES16 = 47 | CES41 = 97 | CES66 = 84 | CES91 = 81 |
| CES17 = 49 | CES42 = 96 | CES67 = 82 | CES92 = 67 |
| CES18 = 56 | CES43 = 93 | CES68 = 85 | CES93 = 81 |
| CES19 = 72 | CES44 = 99 | CES69 = 89 | CES94 = 63 |
| CES20 = 66 | CES45 = 95 | CES70 = 81 | CES95 = 76 |
| CES21 = 86 | CES46 = 91 | CES71 = 79 | CES96 = 84 |
| CES22 = 78 | CES47 = 93 | CES72 = 93 | CES97 = 92 |
| CES23 = 91 | CES48 = 85 | CES73 = 76 | CES98 = 86 |
| CES24 = 90 | CES49 = 92 | CES74 = 95 | CES99 = 77 |
| CES25 = 72 | CES50 = 96 | CES75 = 80 | |

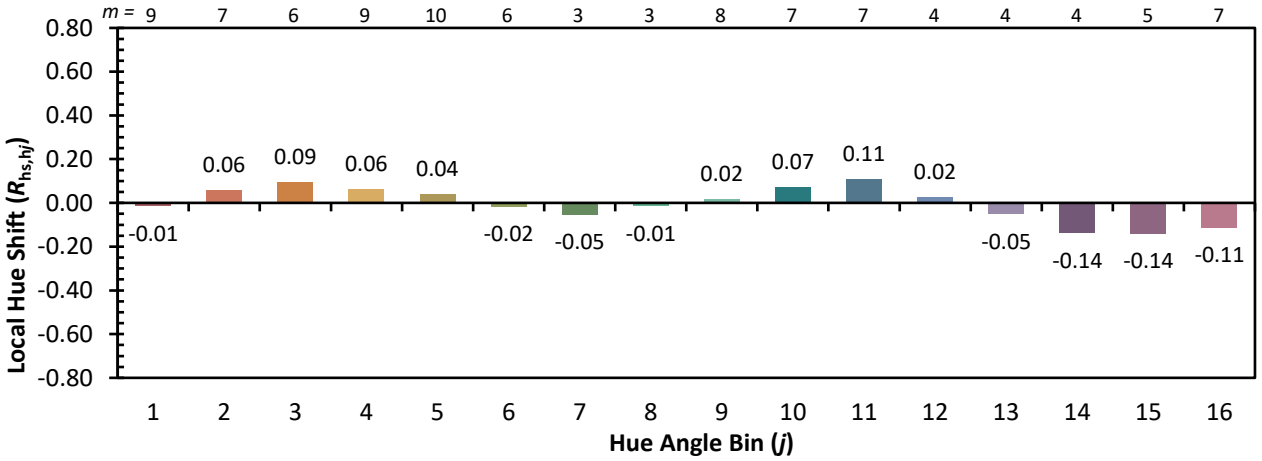


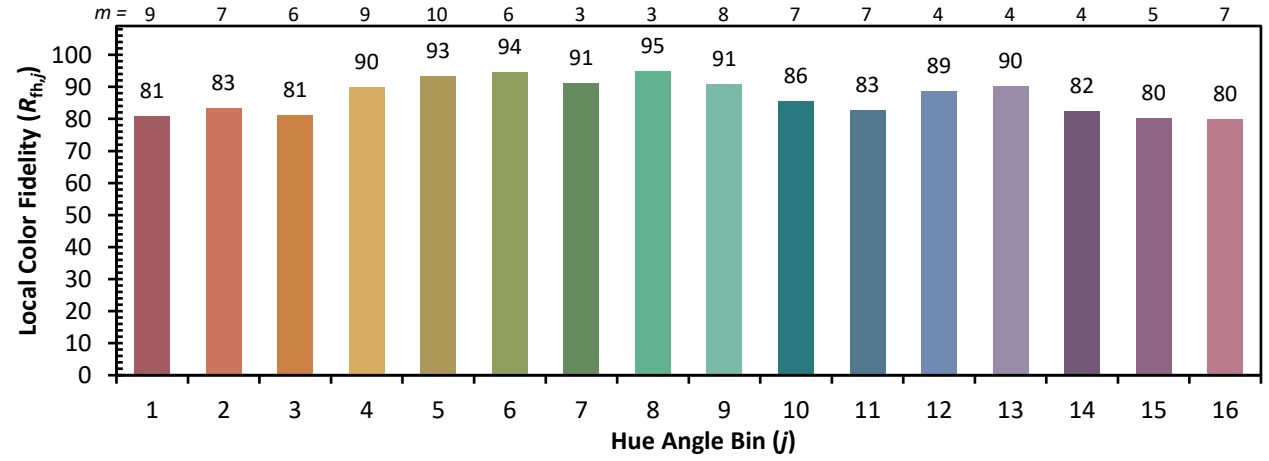
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## Color Rendition by Hue-Angle Bin



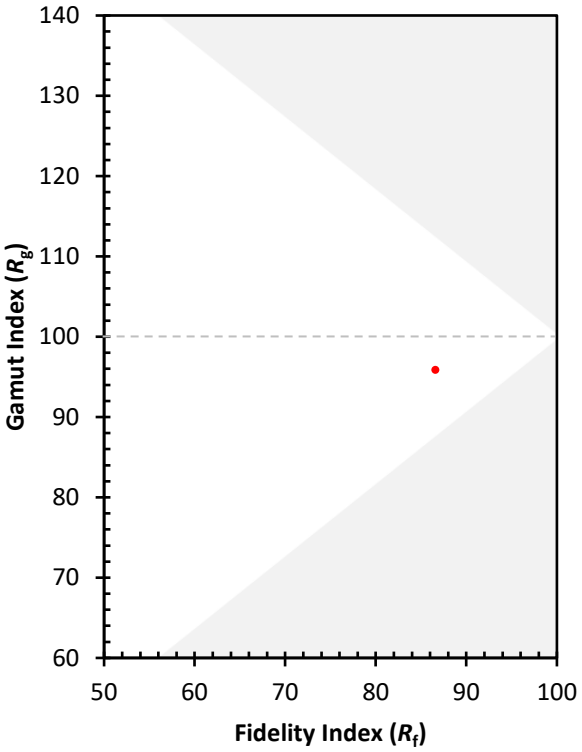



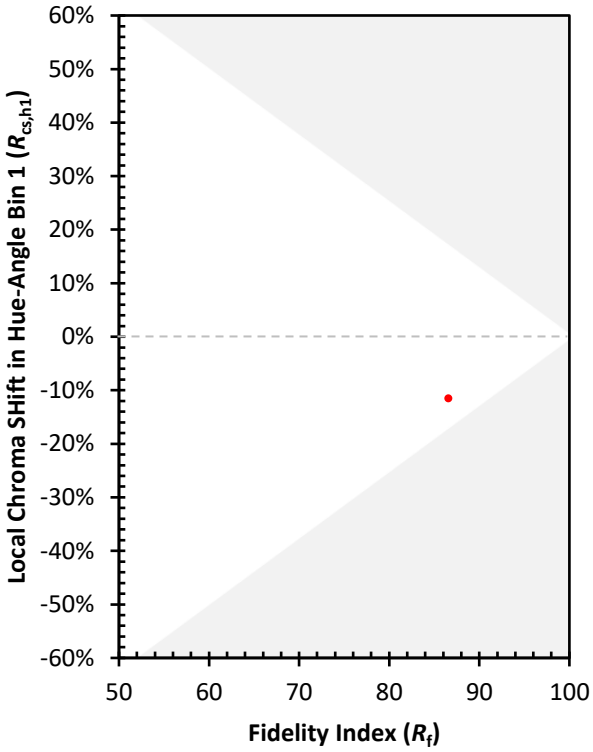



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## Measure Comparisons




(END OF REPORT)