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: P1501919

Luminaire Tested: GSS-SB5C-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501919 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5C-830-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (130) 3000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 26334.8 lumens |
| Efficiency: | N/A |
| Efficacy: | 104.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

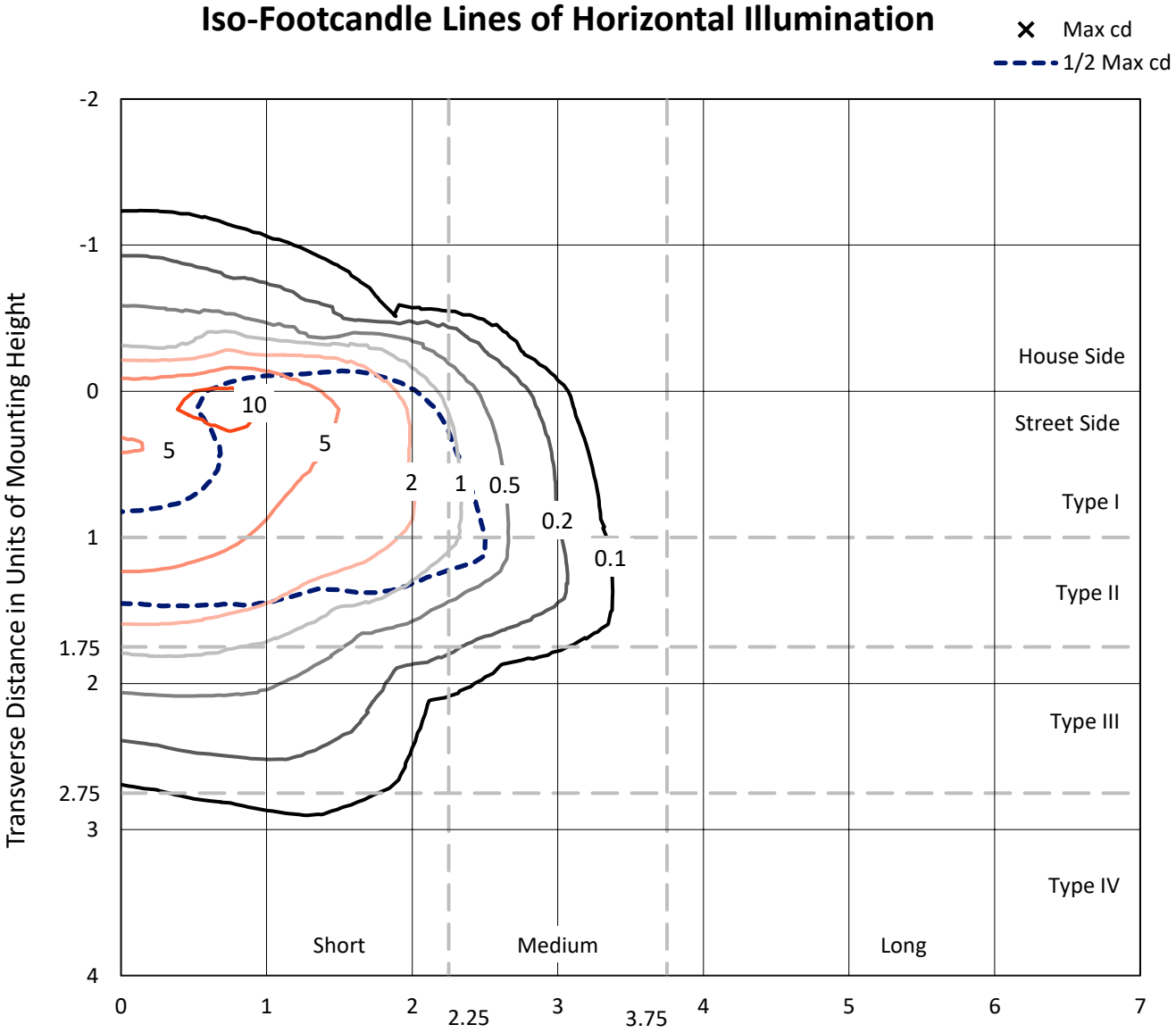
| | |
|---|---|
| Input Watts (W): | 252 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 7.9% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



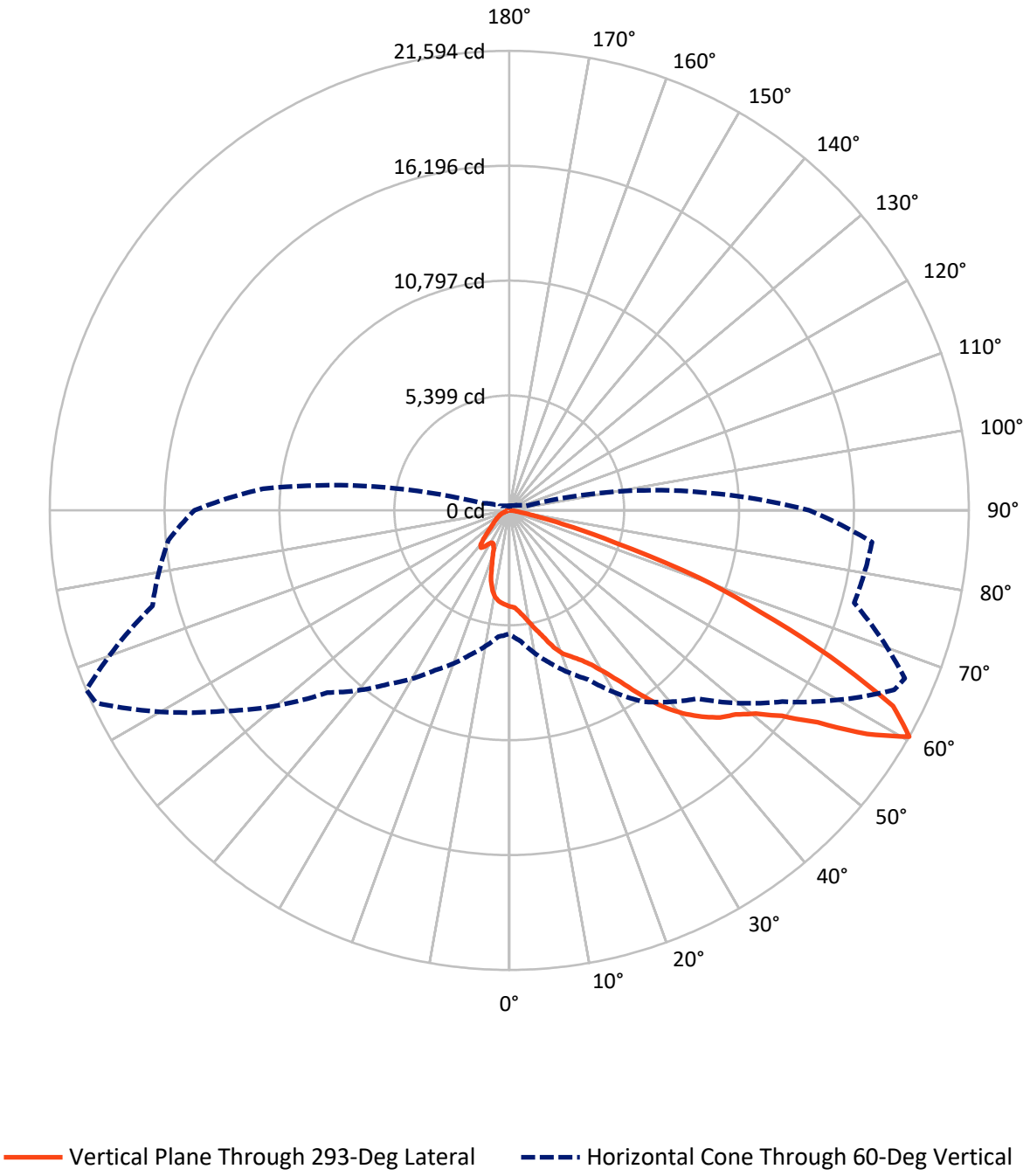

Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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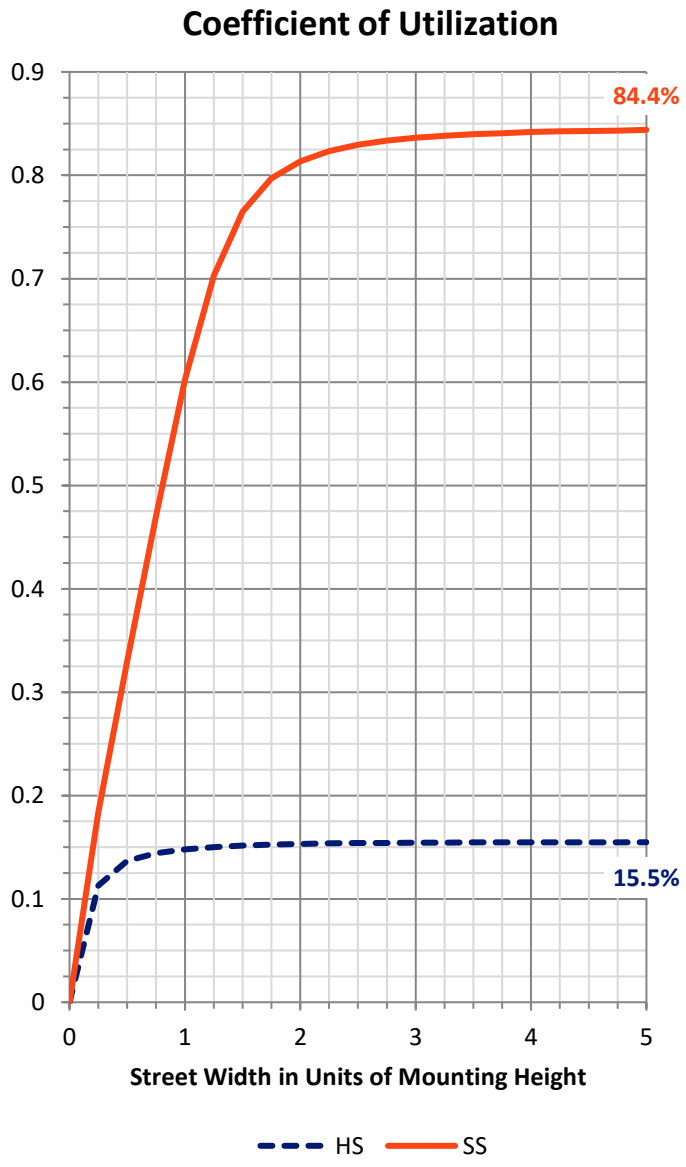
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4108.9 | 0.0 | 4108.9 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 22225.9 | 0.0 | 22225.9 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 26334.8 | 0.0 | 26334.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 408.6 | 1.6 |
| 10°-20° | 1029.3 | 3.9 |
| 20°-30° | 1921.5 | 7.3 |
| 30°-40° | 3810.5 | 14.5 |
| 40°-50° | 6075.4 | 23.1 |
| 50°-60° | 7258.6 | 27.6 |
| 60°-70° | 4758.4 | 18.1 |
| 70°-80° | 996.9 | 3.8 |
| 80°-90° | 75.4 | 0.3 |
| 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° | 26334.8 | 100.0 |
| 0°-180° | 26334.8 | 100.0 |



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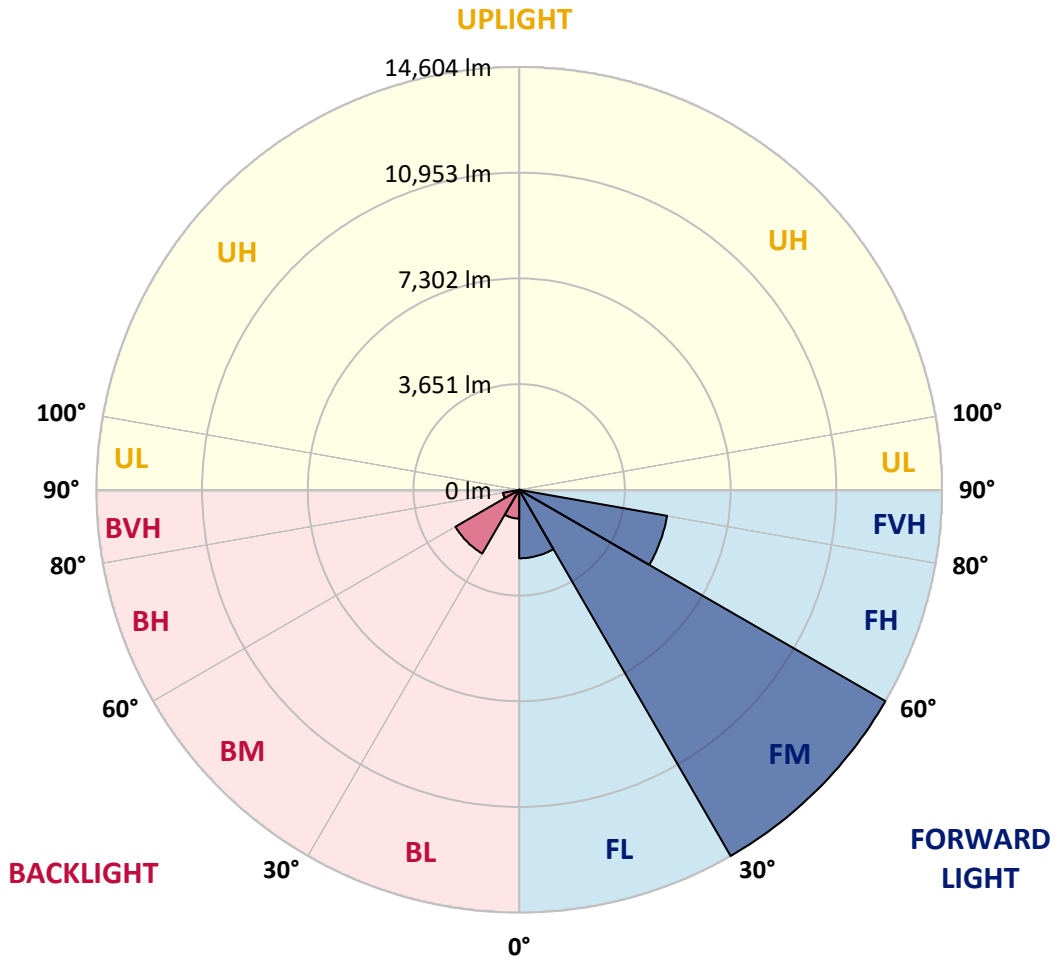
Scaled Data Report

REPORT NUMBER: P1501919
CATALOG NUMBER: GSS-SB5C-830-U-T2LG-HSS

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2365.4 | 9.0 | | | |
| FM | (30°-60°) | 14603.6 | 55.5 | | | |
| FH | (60°-80°) | 5187.8 | 19.7 | | | G3/7500 |
| FVH | (80°-90°) | 69.1 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 994.1 | 3.8 | B2/1000 | | |
| BM | (30°-60°) | 2540.9 | 9.6 | B3/5000 | | |
| BH | (60°-80°) | 567.6 | 2.2 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 6.3 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 |
| 2.5° | 4742.1 | 4727.4 | 4705.3 | 4712.6 | 4705.3 | 4675.8 | 4631.5 | 4594.6 | 4624.1 | 4579.9 | 4550.4 |
| 5° | 4882.3 | 4882.3 | 4867.5 | 4867.5 | 4874.9 | 4860.1 | 4830.6 | 4779.0 | 4786.4 | 4749.5 | 4653.6 |
| 7.5° | 4882.3 | 4860.1 | 4897.0 | 4933.9 | 5000.3 | 5037.1 | 5051.9 | 5022.4 | 5037.1 | 4963.4 | 4838.0 |
| 10° | 4594.6 | 4579.9 | 4675.8 | 4815.9 | 5007.6 | 5177.3 | 5287.9 | 5295.3 | 5317.4 | 5243.6 | 5096.1 |
| 12.5° | 3982.5 | 3953.0 | 4144.8 | 4410.3 | 4801.1 | 5192.0 | 5501.8 | 5619.8 | 5671.4 | 5641.9 | 5435.4 |
| 15° | 3414.6 | 3451.5 | 3584.3 | 3871.9 | 4395.5 | 4992.9 | 5619.8 | 6010.6 | 6084.4 | 6121.3 | 5877.9 |
| 17.5° | 3355.6 | 3363.0 | 3407.3 | 3547.4 | 3945.6 | 4668.4 | 5634.5 | 6416.3 | 6519.5 | 6681.8 | 6349.9 |
| 20° | 3517.9 | 3503.1 | 3547.4 | 3591.6 | 3783.4 | 4380.8 | 5494.4 | 6807.1 | 7006.3 | 7352.9 | 6991.5 |
| 22.5° | 3820.3 | 3820.3 | 3842.4 | 3871.9 | 3967.8 | 4358.6 | 5435.4 | 7168.5 | 7507.8 | 8215.8 | 7795.4 |
| 25° | 4329.1 | 4270.1 | 4284.9 | 4248.0 | 4329.1 | 4624.1 | 5568.1 | 7456.1 | 7920.8 | 9174.5 | 8754.1 |
| 27.5° | 5118.3 | 5140.4 | 5007.6 | 4808.5 | 4852.8 | 5103.5 | 5892.6 | 7780.6 | 8348.5 | 10170.1 | 9727.6 |
| 30° | 6209.8 | 6172.9 | 6091.8 | 5700.9 | 5523.9 | 5745.1 | 6490.0 | 8311.6 | 8923.8 | 11431.3 | 11025.6 |
| 32.5° | 7065.3 | 7168.5 | 7028.4 | 6755.5 | 6482.6 | 6549.0 | 7330.8 | 9167.1 | 9624.4 | 12589.1 | 12367.9 |
| 35° | 8097.8 | 8097.8 | 8127.3 | 7743.8 | 7559.4 | 7544.6 | 8385.4 | 10096.4 | 10553.6 | 13636.4 | 13791.3 |
| 37.5° | 9491.6 | 9395.8 | 9233.5 | 8805.8 | 8665.6 | 8850.0 | 9373.6 | 11055.1 | 11549.3 | 14484.5 | 14897.5 |
| 40° | 10664.3 | 10730.6 | 10708.5 | 10089.0 | 9816.1 | 10015.3 | 10479.9 | 11873.8 | 12257.3 | 15030.3 | 15789.9 |
| 42.5° | 11814.8 | 11851.6 | 11755.8 | 11460.8 | 11062.5 | 11077.3 | 11460.8 | 12493.3 | 12884.1 | 15553.9 | 16630.6 |
| 45° | 12677.6 | 12670.3 | 12603.9 | 12530.1 | 12294.1 | 12050.8 | 12117.1 | 13179.1 | 13518.4 | 15723.5 | 17087.9 |
| 47.5° | 12950.5 | 13009.5 | 13068.5 | 13275.0 | 13437.3 | 13053.8 | 12714.5 | 13547.9 | 13857.6 | 15694.0 | 17257.5 |
| 50° | 12699.8 | 12825.1 | 13112.8 | 13422.5 | 13975.6 | 13946.1 | 13216.0 | 13946.1 | 14248.5 | 15856.3 | 17456.6 |
| 52.5° | 12139.3 | 12264.6 | 12648.1 | 13208.6 | 14042.0 | 14455.0 | 14145.3 | 14617.3 | 14971.3 | 16269.3 | 17869.6 |
| 55° | 10833.9 | 10885.5 | 11674.6 | 12412.1 | 13710.1 | 14233.8 | 15140.9 | 15753.0 | 16048.0 | 16770.8 | 18415.4 |
| 57.5° | 8820.5 | 8945.9 | 9720.3 | 10922.4 | 12780.9 | 13651.1 | 15708.8 | 17692.6 | 17685.3 | 17250.1 | 18533.4 |
| 60° | *5804.1* | *6172.9* | *7434.0* | *8761.5* | *10981.4* | *12508.0* | *15671.9* | *19964.1* | *20192.8* | *16778.1* | *17110.0* |
| 62.5° | 4432.4 | 4587.3 | 5302.6 | 6408.9 | 8127.3 | 10369.3 | 15428.5 | 20642.6 | 20819.6 | 15509.6 | 14978.6 |
| 65° | 3333.5 | 3525.3 | 4211.1 | 5199.4 | 5737.8 | 7028.4 | 13835.5 | 17943.4 | 18186.8 | 13842.9 | 11645.1 |
| 67.5° | 2042.9 | 2197.8 | 3112.3 | 4270.1 | 4343.9 | 4366.0 | 9336.8 | 13592.1 | 13680.6 | 11165.8 | 7839.6 |
| 70° | 1364.4 | 1519.3 | 2153.5 | 3281.9 | 3458.9 | 2514.9 | 5125.6 | 10288.1 | 10280.8 | 7640.5 | 4764.3 |
| 72.5° | 789.1 | 862.9 | 1364.4 | 2419.0 | 2721.4 | 1600.4 | 2559.1 | 6541.6 | 6254.0 | 3591.6 | 2227.3 |
| 75° | 449.9 | 501.5 | 752.3 | 1556.1 | 1910.1 | 1017.8 | 1010.4 | 3503.1 | 3097.5 | 1851.1 | 1216.9 |
| 77.5° | 272.9 | 295.0 | 413.0 | 1017.8 | 1150.5 | 685.9 | 560.5 | 1629.9 | 1570.9 | 1084.1 | 641.6 |
| 80° | 132.8 | 154.9 | 250.8 | 597.4 | 737.5 | 368.8 | 339.3 | 641.6 | 685.9 | 597.4 | 339.3 |
| 82.5° | 44.3 | 59.0 | 140.1 | 228.6 | 479.4 | 147.5 | 140.1 | 354.0 | 376.1 | 354.0 | 162.3 |
| 85° | 22.1 | 29.5 | 66.4 | 73.8 | 184.4 | 73.8 | 51.6 | 154.9 | 191.8 | 118.0 | 66.4 |
| 87.5° | 0.0 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 7.4 | 14.8 | 14.8 | 14.8 | 14.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 |
| 2.5° | 4528.3 | 4513.5 | 4484.0 | 4432.4 | 4425.0 | 4388.1 | 4329.1 | 4292.3 | 4262.8 | 4284.9 | 4292.3 |
| 5° | 4609.4 | 4572.5 | 4484.0 | 4343.9 | 4196.4 | 4048.9 | 3908.8 | 3746.5 | 3635.9 | 3621.1 | 3591.6 |
| 7.5° | 4756.9 | 4683.1 | 4491.4 | 4218.5 | 3842.4 | 3488.4 | 3075.4 | 2677.1 | 2478.0 | 2448.5 | 2382.1 |
| 10° | 4992.9 | 4867.5 | 4550.4 | 3997.3 | 3274.5 | 2537.0 | 1910.1 | 1482.4 | 1239.0 | 1194.8 | 1209.5 |
| 12.5° | 5273.1 | 5096.1 | 4557.8 | 3621.1 | 2492.8 | 1570.9 | 1084.1 | 921.9 | 870.3 | 848.1 | 848.1 |
| 15° | 5634.5 | 5376.4 | 4550.4 | 3134.4 | 1681.5 | 1010.4 | 870.3 | 803.9 | 781.8 | 767.0 | 767.0 |
| 17.5° | 6091.8 | 5752.5 | 4498.8 | 2404.3 | 1135.8 | 877.6 | 796.5 | 744.9 | 715.4 | 708.0 | 708.0 |
| 20° | 6630.1 | 6172.9 | 4380.8 | 1792.1 | 951.4 | 818.6 | 752.3 | 685.9 | 663.8 | 649.0 | 649.0 |
| 22.5° | 7316.0 | 6681.8 | 4152.1 | 1393.9 | 899.8 | 781.8 | 708.0 | 634.3 | 612.1 | 597.4 | 597.4 |
| 25° | 8112.5 | 7330.8 | 3849.8 | 1253.8 | 892.4 | 752.3 | 663.8 | 590.0 | 567.9 | 560.5 | 553.1 |
| 27.5° | 9056.5 | 8024.0 | 3569.5 | 1261.1 | 907.1 | 730.1 | 619.5 | 553.1 | 531.0 | 508.9 | 516.3 |
| 30° | 10170.1 | 8739.4 | 3340.9 | 1349.6 | 921.9 | 708.0 | 590.0 | 531.0 | 508.9 | 479.4 | 479.4 |
| 32.5° | 11269.0 | 9580.1 | 3318.8 | 1511.9 | 973.5 | 693.3 | 560.5 | 501.5 | 479.4 | 457.3 | 457.3 |
| 35° | 12397.4 | 10347.1 | 3444.1 | 1725.8 | 1076.8 | 671.1 | 523.6 | 472.0 | 449.9 | 435.1 | 427.8 |
| 37.5° | 13474.1 | 10959.3 | 3562.1 | 1858.5 | 1017.8 | 575.3 | 479.4 | 435.1 | 413.0 | 383.5 | 383.5 |
| 40° | 14189.5 | 11291.1 | 3584.3 | 1755.3 | 840.8 | 516.3 | 435.1 | 390.9 | 361.4 | 346.6 | 339.3 |
| 42.5° | 14713.1 | 11505.0 | 3333.5 | 1423.4 | 730.1 | 472.0 | 398.3 | 354.0 | 331.9 | 317.1 | 317.1 |
| 45° | 14927.0 | 11431.3 | 2905.8 | 1084.1 | 671.1 | 435.1 | 361.4 | 324.5 | 309.8 | 295.0 | 295.0 |
| 47.5° | 14897.5 | 11092.0 | 2470.6 | 870.3 | 612.1 | 398.3 | 339.3 | 309.8 | 295.0 | 280.3 | 272.9 |
| 50° | 14845.9 | 10774.9 | 2028.1 | 774.4 | 545.8 | 376.1 | 317.1 | 295.0 | 272.9 | 258.1 | 250.8 |
| 52.5° | 15185.1 | 10671.6 | 1681.5 | 708.0 | 508.9 | 361.4 | 309.8 | 280.3 | 258.1 | 243.4 | 243.4 |
| 55° | 15524.4 | 10715.9 | 1320.1 | 663.8 | 472.0 | 354.0 | 302.4 | 272.9 | 250.8 | 228.6 | 228.6 |
| 57.5° | 15502.3 | 10524.1 | 1003.0 | 619.5 | 442.5 | 346.6 | 295.0 | 265.5 | 228.6 | 213.9 | 213.9 |
| 60° | *14093.6* | *9388.4* | *781.8* | *567.9* | *405.6* | *324.5* | *272.9* | *250.8* | *213.9* | *191.8* | *191.8* |
| 62.5° | 11918.0 | 7382.4 | 641.6 | 501.5 | 361.4 | 295.0 | 250.8 | 228.6 | 191.8 | 154.9 | 154.9 |
| 65° | 8805.8 | 5324.8 | 516.3 | 435.1 | 331.9 | 258.1 | 228.6 | 199.1 | 154.9 | 125.4 | 118.0 |
| 67.5° | 5959.0 | 3274.5 | 413.0 | 361.4 | 295.0 | 221.3 | 191.8 | 169.6 | 140.1 | 103.3 | 95.9 |
| 70° | 3532.6 | 1740.5 | 302.4 | 250.8 | 221.3 | 162.3 | 162.3 | 147.5 | 118.0 | 88.5 | 81.1 |
| 72.5° | 1681.5 | 604.8 | 221.3 | 184.4 | 169.6 | 118.0 | 125.4 | 125.4 | 95.9 | 66.4 | 59.0 |
| 75° | 855.5 | 295.0 | 147.5 | 132.8 | 110.6 | 88.5 | 103.3 | 95.9 | 66.4 | 44.3 | 44.3 |
| 77.5° | 486.8 | 206.5 | 103.3 | 88.5 | 73.8 | 59.0 | 66.4 | 59.0 | 36.9 | 22.1 | 22.1 |
| 80° | 272.9 | 147.5 | 66.4 | 59.0 | 44.3 | 36.9 | 36.9 | 29.5 | 22.1 | 7.4 | 7.4 |
| 82.5° | 103.3 | 88.5 | 44.3 | 29.5 | 22.1 | 22.1 | 14.8 | 14.8 | 7.4 | 0.0 | 0.0 |
| 85° | 44.3 | 22.1 | 22.1 | 14.8 | 14.8 | 7.4 | 7.4 | 7.4 | 0.0 | 0.0 | 0.0 |
| 87.5° | 7.4 | 7.4 | 7.4 | 7.4 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 |
| 2.5° | 4233.3 | 4248.0 | 4262.8 | 4321.8 | 4336.5 | 4380.8 | 4417.6 | 4461.9 | 4469.3 | 4528.3 | 4528.3 |
| 5° | 3650.6 | 3643.3 | 3768.6 | 3953.0 | 4071.0 | 4233.3 | 4358.6 | 4491.4 | 4565.1 | 4661.0 | 4705.3 |
| 7.5° | 2419.0 | 2603.4 | 2883.6 | 3208.1 | 3628.5 | 4019.4 | 4314.4 | 4572.5 | 4749.5 | 4860.1 | 4904.4 |
| 10° | 1202.1 | 1305.4 | 1600.4 | 2131.4 | 2846.8 | 3643.3 | 4270.1 | 4749.5 | 5037.1 | 5162.5 | 5243.6 |
| 12.5° | 848.1 | 870.3 | 921.9 | 1209.5 | 1895.4 | 3023.8 | 4130.0 | 4941.3 | 5339.5 | 5575.5 | 5678.8 |
| 15° | 759.6 | 774.4 | 796.5 | 877.6 | 1172.6 | 2256.8 | 3879.3 | 5155.1 | 5811.5 | 6084.4 | 6217.1 |
| 17.5° | 700.6 | 708.0 | 730.1 | 796.5 | 921.9 | 1534.0 | 3473.6 | 5383.8 | 6379.4 | 6711.3 | 6962.0 |
| 20° | 649.0 | 649.0 | 671.1 | 752.3 | 855.5 | 1180.0 | 2891.0 | 5641.9 | 7102.1 | 7581.5 | 7832.3 |
| 22.5° | 590.0 | 604.8 | 619.5 | 708.0 | 833.4 | 1076.8 | 2345.3 | 5841.0 | 7906.0 | 8488.6 | 8783.6 |
| 25° | 545.8 | 560.5 | 575.3 | 663.8 | 811.3 | 1076.8 | 2028.1 | 5966.4 | 8805.8 | 9499.0 | 9904.6 |
| 27.5° | 508.9 | 523.6 | 545.8 | 634.3 | 789.1 | 1121.0 | 1902.8 | 6003.3 | 9786.6 | 10686.4 | 11232.1 |
| 30° | 479.4 | 494.1 | 516.3 | 612.1 | 803.9 | 1172.6 | 1947.0 | 5951.6 | 10782.3 | 11910.6 | 12559.6 |
| 32.5° | 449.9 | 464.6 | 486.8 | 590.0 | 803.9 | 1239.0 | 2094.5 | 5848.4 | 11748.4 | 13134.9 | 13931.4 |
| 35° | 427.8 | 435.1 | 442.5 | 531.0 | 730.1 | 1231.6 | 2278.9 | 5745.1 | 12721.9 | 14344.4 | 15273.6 |
| 37.5° | 383.5 | 390.9 | 405.6 | 457.3 | 582.6 | 1121.0 | 2315.8 | 5619.8 | 13488.9 | 15362.1 | 16387.3 |
| 40° | 339.3 | 354.0 | 368.8 | 420.4 | 486.8 | 907.1 | 2153.5 | 5354.3 | 13894.5 | 16143.9 | 17390.3 |
| 42.5° | 309.8 | 317.1 | 331.9 | 383.5 | 449.9 | 722.8 | 1806.9 | 4889.6 | 14255.9 | 16674.9 | 18120.4 |
| 45° | 287.6 | 295.0 | 309.8 | 346.6 | 420.4 | 626.9 | 1423.4 | 4321.8 | 14285.4 | 16844.5 | 18474.4 |
| 47.5° | 265.5 | 272.9 | 280.3 | 317.1 | 405.6 | 560.5 | 1091.5 | 3805.5 | 14278.0 | 17065.8 | 18776.8 |
| 50° | 250.8 | 258.1 | 272.9 | 302.4 | 383.5 | 501.5 | 899.8 | 3385.1 | 14587.8 | 17545.1 | 19388.9 |
| 52.5° | 243.4 | 243.4 | 265.5 | 295.0 | 361.4 | 457.3 | 752.3 | 3009.0 | 14750.0 | 18017.1 | 19831.4 |
| 55° | 228.6 | 236.0 | 250.8 | 280.3 | 339.3 | 435.1 | 641.6 | 2537.0 | 14823.8 | 18253.1 | 19912.5 |
| 57.5° | 213.9 | 221.3 | 243.4 | 265.5 | 324.5 | 413.0 | 553.1 | 1895.4 | 13769.1 | 17021.5 | 18555.5 |
| 60° | *191.8* | *206.5* | *236.0* | *258.1* | *302.4* | *376.1* | *486.8* | *1283.3* | *11615.6* | *14794.3* | *16077.5* |
| 62.5° | 154.9 | 184.4 | 213.9 | 228.6 | 272.9 | 317.1 | 413.0 | 855.5 | 9277.8 | 12242.5 | 13702.8 |
| 65° | 118.0 | 154.9 | 177.0 | 199.1 | 228.6 | 265.5 | 346.6 | 582.6 | 6187.6 | 8237.9 | 9882.5 |
| 67.5° | 103.3 | 132.8 | 147.5 | 162.3 | 191.8 | 228.6 | 280.3 | 405.6 | 3753.9 | 4948.6 | 6571.1 |
| 70° | 81.1 | 110.6 | 125.4 | 118.0 | 147.5 | 177.0 | 199.1 | 272.9 | 1917.5 | 2684.5 | 3739.1 |
| 72.5° | 59.0 | 88.5 | 95.9 | 95.9 | 88.5 | 125.4 | 147.5 | 191.8 | 833.4 | 1305.4 | 1696.3 |
| 75° | 44.3 | 59.0 | 66.4 | 59.0 | 51.6 | 81.1 | 103.3 | 125.4 | 545.8 | 781.8 | 988.3 |
| 77.5° | 22.1 | 22.1 | 36.9 | 36.9 | 22.1 | 44.3 | 51.6 | 73.8 | 309.8 | 457.3 | 567.9 |
| 80° | 7.4 | 0.0 | 0.0 | 7.4 | 0.0 | 14.8 | 22.1 | 36.9 | 162.3 | 243.4 | 354.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 81.1 | 73.8 | 184.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 44.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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: P1501919
CATALOG NUMBER: GSS-SB5C-830-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 | 4513.5 |
| 2.5° | 4565.1 | 4565.1 | 4594.6 | 4638.9 | 4661.0 | 4675.8 | 4683.1 | 4697.9 | 4756.9 | 4742.1 |
| 5° | 4756.9 | 4771.6 | 4793.8 | 4838.0 | 4889.6 | 4874.9 | 4874.9 | 4874.9 | 4911.8 | 4882.3 |
| 7.5° | 5007.6 | 5051.9 | 5059.3 | 5110.9 | 5074.0 | 5000.3 | 4956.0 | 4889.6 | 4882.3 | 4882.3 |
| 10° | 5413.3 | 5398.5 | 5398.5 | 5332.1 | 5199.4 | 4985.5 | 4793.8 | 4661.0 | 4587.3 | 4594.6 |
| 12.5° | 5848.4 | 5789.4 | 5796.8 | 5553.4 | 5177.3 | 4705.3 | 4314.4 | 4026.8 | 4004.6 | 3982.5 |
| 15° | 6386.8 | 6231.9 | 6202.4 | 5641.9 | 4845.4 | 4122.6 | 3739.1 | 3510.5 | 3436.8 | 3414.6 |
| 17.5° | 7153.8 | 6762.9 | 6622.8 | 5487.0 | 4410.3 | 3761.3 | 3473.6 | 3370.4 | 3363.0 | 3355.6 |
| 20° | 7965.0 | 7190.6 | 6925.1 | 5258.4 | 4262.8 | 3768.6 | 3554.8 | 3525.3 | 3510.5 | 3517.9 |
| 22.5° | 8909.0 | 7463.5 | 7124.3 | 5295.3 | 4395.5 | 4012.0 | 3842.4 | 3820.3 | 3805.5 | 3820.3 |
| 25° | 9882.5 | 7780.6 | 7360.3 | 5590.3 | 4793.8 | 4461.9 | 4262.8 | 4218.5 | 4262.8 | 4329.1 |
| 27.5° | 10863.4 | 8208.4 | 7824.9 | 6172.9 | 5435.4 | 5074.0 | 4882.3 | 5044.5 | 5110.9 | 5118.3 |
| 30° | 11733.6 | 8805.8 | 8451.8 | 6991.5 | 6165.5 | 5804.1 | 5841.0 | 6047.5 | 6128.6 | 6209.8 |
| 32.5° | 12530.1 | 9602.3 | 9329.4 | 7920.8 | 7109.5 | 6895.6 | 6873.5 | 7028.4 | 7116.9 | 7065.3 |
| 35° | 13334.0 | 10642.1 | 10376.6 | 8931.1 | 8267.4 | 8090.4 | 7906.0 | 8208.4 | 8178.9 | 8097.8 |
| 37.5° | 14093.6 | 11689.4 | 11446.0 | 10015.3 | 9329.4 | 9019.6 | 8990.1 | 9263.0 | 9506.4 | 9491.6 |
| 40° | 14639.4 | 12537.5 | 12242.5 | 11092.0 | 10443.0 | 10177.5 | 10332.4 | 10804.4 | 10745.4 | 10664.3 |
| 42.5° | 15140.9 | 13260.3 | 12994.8 | 12036.0 | 11357.5 | 11475.5 | 11615.6 | 11932.8 | 11895.9 | 11814.8 |
| 45° | 15376.9 | 13879.8 | 13651.1 | 12751.4 | 12419.5 | 12795.6 | 12788.3 | 12906.3 | 12707.1 | 12677.6 |
| 47.5° | 15708.8 | 14322.3 | 14086.3 | 13393.0 | 13688.0 | 13842.9 | 13407.8 | 13282.4 | 13098.0 | 12950.5 |
| 50° | 16320.9 | 15008.1 | 14772.1 | 14366.5 | 14617.3 | 14137.9 | 13606.9 | 13334.0 | 12957.9 | 12699.8 |
| 52.5° | 17036.3 | 16048.0 | 15841.5 | 15679.3 | 14978.6 | 13990.4 | 13311.9 | 12817.8 | 12360.5 | 12139.3 |
| 55° | 17936.0 | 17582.0 | 17434.5 | 16542.1 | 14654.1 | 13385.6 | 12589.1 | 11667.3 | 11040.4 | 10833.9 |
| 57.5° | 18231.0 | 19831.4 | 19779.8 | 16682.3 | 13747.0 | 12286.8 | 10848.6 | 9602.3 | 8953.3 | 8820.5 |
| 60° | 17360.8 | 21594.0 | 21409.6 | 16446.3 | 12102.4 | 9971.0 | 8289.5 | 7013.6 | 5959.0 | 5804.1 |
| 62.5° | 16247.1 | 20244.4 | 20178.0 | 15258.9 | 9218.8 | 7146.4 | 6195.0 | 5000.3 | 4550.4 | 4432.4 |
| 65° | 13916.6 | 16564.3 | 16593.8 | 12242.5 | 5833.6 | 5133.0 | 5088.8 | 3975.1 | 3422.0 | 3333.5 |
| 67.5° | 10715.9 | 12707.1 | 12500.6 | 7699.5 | 3399.9 | 4107.9 | 4063.6 | 2905.8 | 2101.9 | 2042.9 |
| 70° | 6261.4 | 9462.1 | 9130.3 | 4004.6 | 2249.4 | 3429.4 | 3127.0 | 2042.9 | 1430.8 | 1364.4 |
| 72.5° | 2765.6 | 5206.8 | 5590.3 | 1762.6 | 1585.6 | 2728.8 | 2256.8 | 1253.8 | 803.9 | 789.1 |
| 75° | 1534.0 | 2581.3 | 2699.3 | 767.0 | 1113.6 | 1939.6 | 1364.4 | 700.6 | 457.3 | 449.9 |
| 77.5° | 921.9 | 1143.1 | 1113.6 | 494.1 | 833.4 | 1239.0 | 826.0 | 398.3 | 287.6 | 272.9 |
| 80° | 516.3 | 523.6 | 442.5 | 361.4 | 494.1 | 693.3 | 464.6 | 250.8 | 132.8 | 132.8 |
| 82.5° | 317.1 | 287.6 | 228.6 | 110.6 | 132.8 | 420.4 | 169.6 | 140.1 | 44.3 | 44.3 |
| 85° | 132.8 | 88.5 | 59.0 | 22.1 | 51.6 | 110.6 | 59.0 | 66.4 | 22.1 | 22.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 |

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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

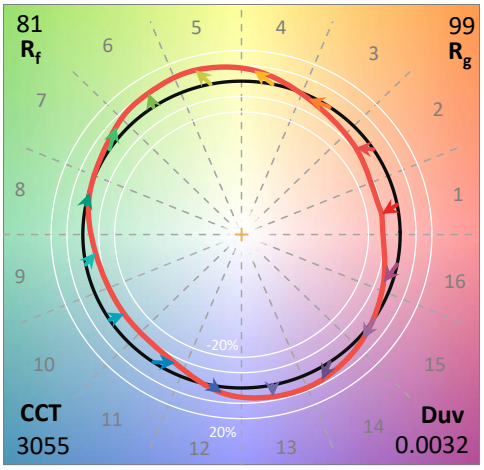
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-9 |
| 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-830-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3055 |
| CIE u': | 0.2475 |
| CIE v': | 0.5247 |
| Duv: | 0.0032 |
| CIE x: | 0.4377 |
| CIE y: | 0.4124 |
| CIE z: | 0.1499 |
| Peak Wavelength (nm): | 604 |
| Dominant Wavelength (nm): | 581 |
| Purity: | 55.16339 |
| Rf: | 81.5 |
| Rg: | 99.2 |

| | |
|---|---|
| CRI (Ra): | 80.9 |
| R1: | 79.5 |
| R2: | 85.6 |
| R3: | 92.1 |
| R4: | 82.4 |
| R5: | 78.9 |
| R6: | 81.7 |
| R7: | 85.1 |
| R8: | 61.9 |
| R9: | 6.8 |
| R10: | 67.1 |
| R11: | 82.5 |
| R12: | 63.4 |
| R13: | 80.2 |
| R14: | 95.1 |
| R15: | 71.7 |




## Test Conditions

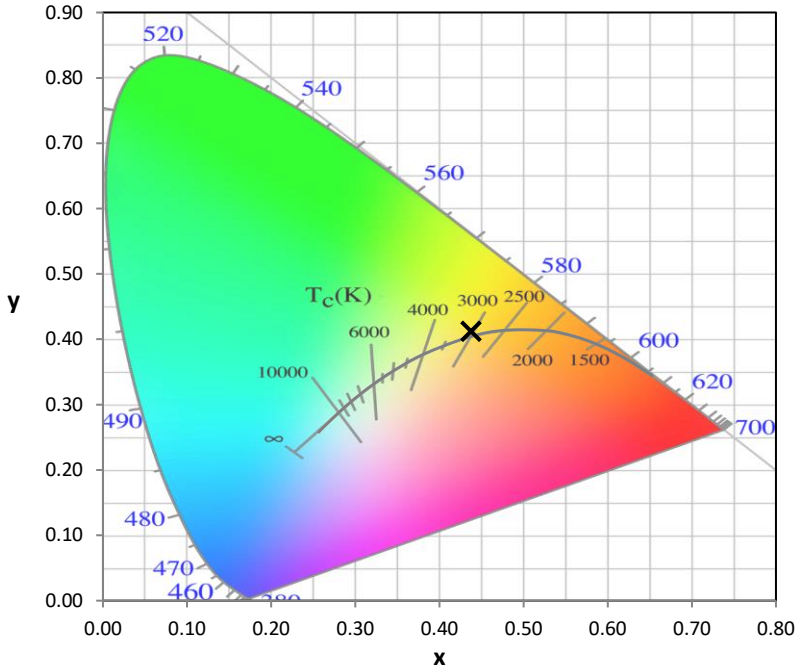
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-9

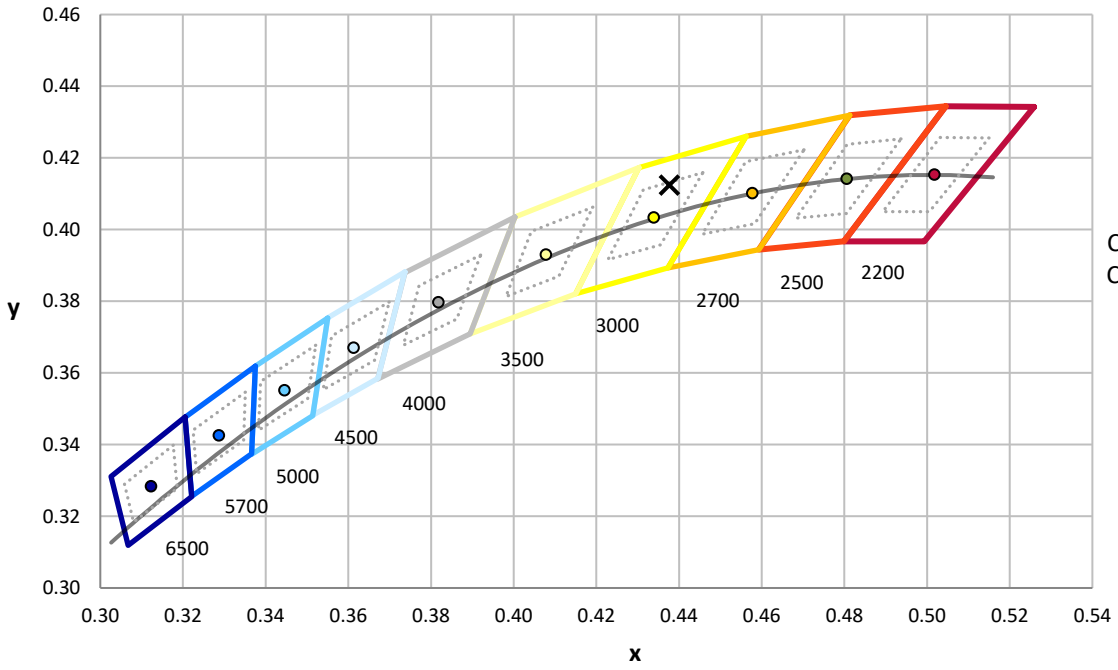
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-9

## CIE 1931 Chromaticity Diagram




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

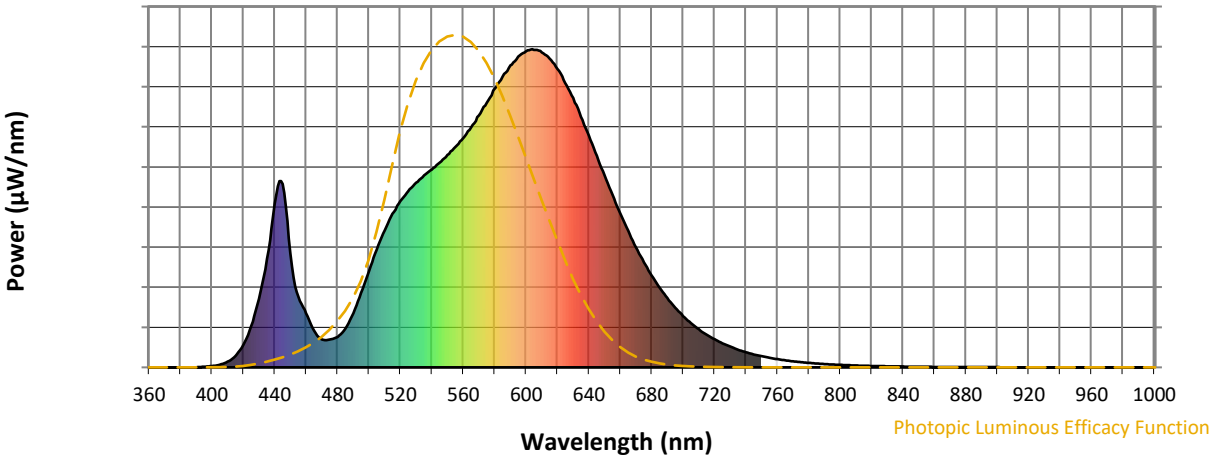



CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

## Photopic Flux vs. Wavelength

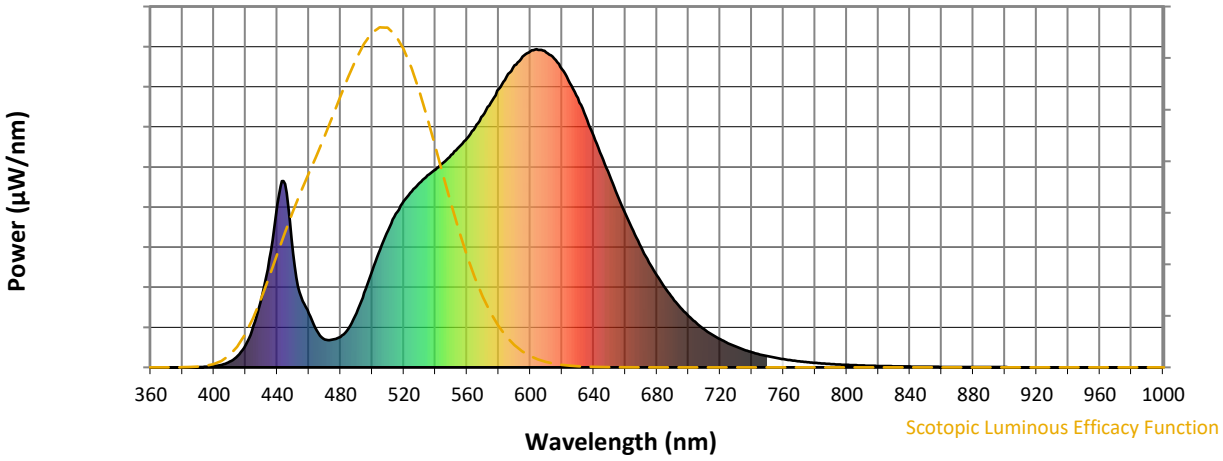



## Photopic Lumens: NR

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-9

## Scotopic Flux vs. Wavelength

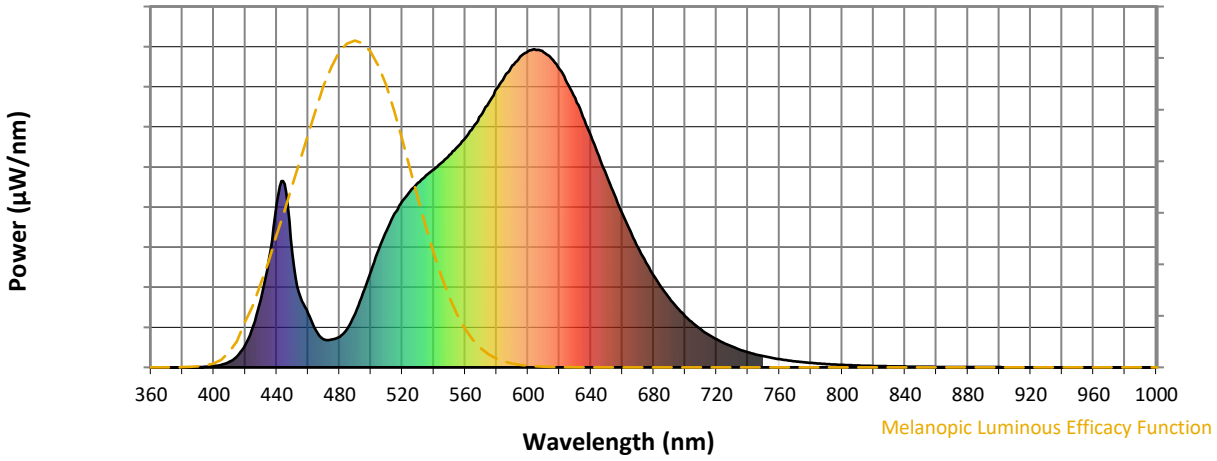



**Scotopic Lumens: NR** **S/P: 1.28**

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-9

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.33**

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

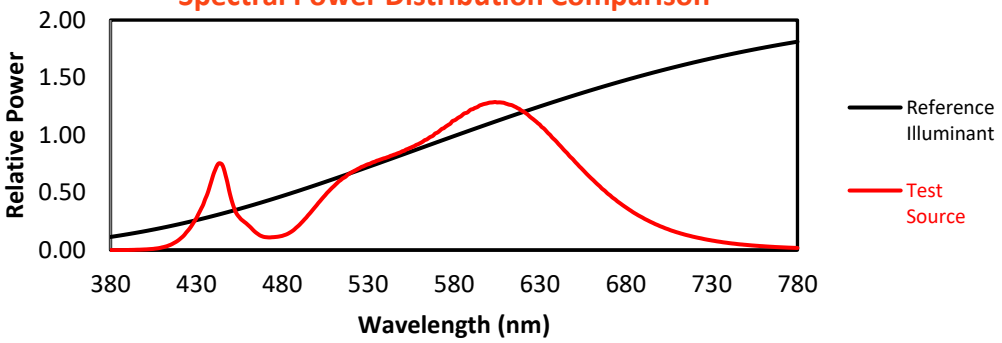
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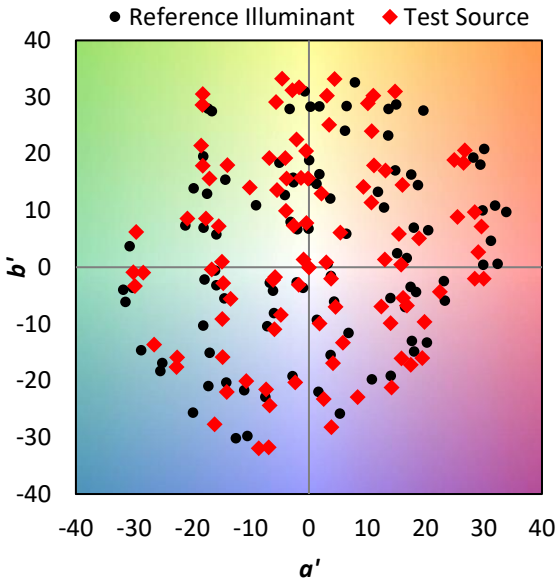
## Summary

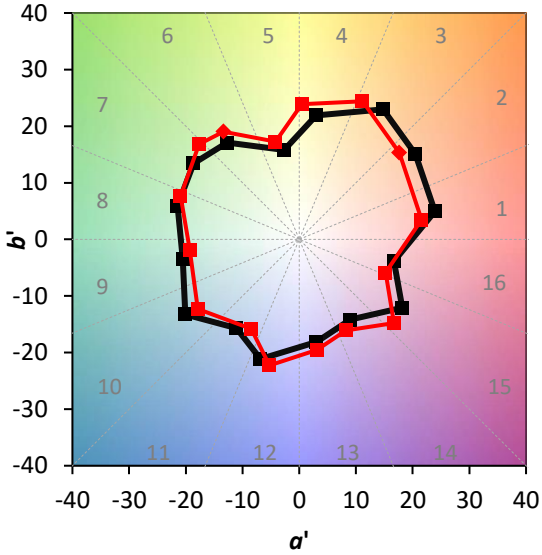
$R_f$ = 81.5
$R_g$ = 99.2
CIE $R_a$ = 80.9
$R_9$ = 6.8

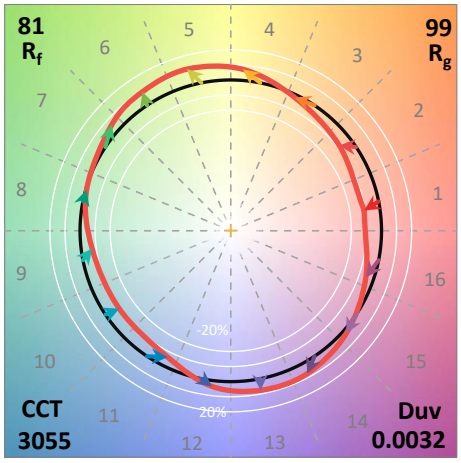
## Spectral Power Distribution Comparison

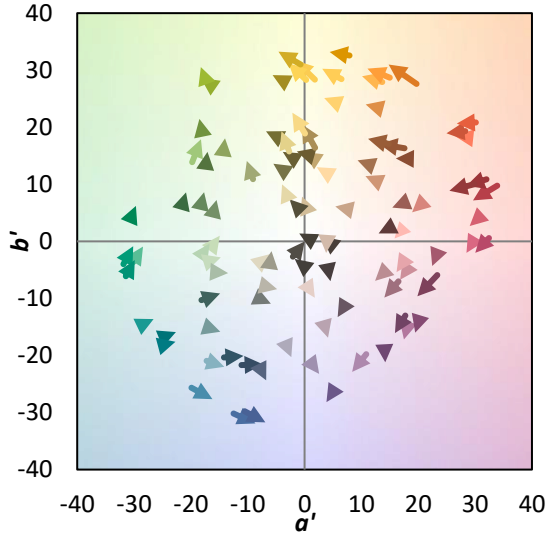



## Color Vector Graphics



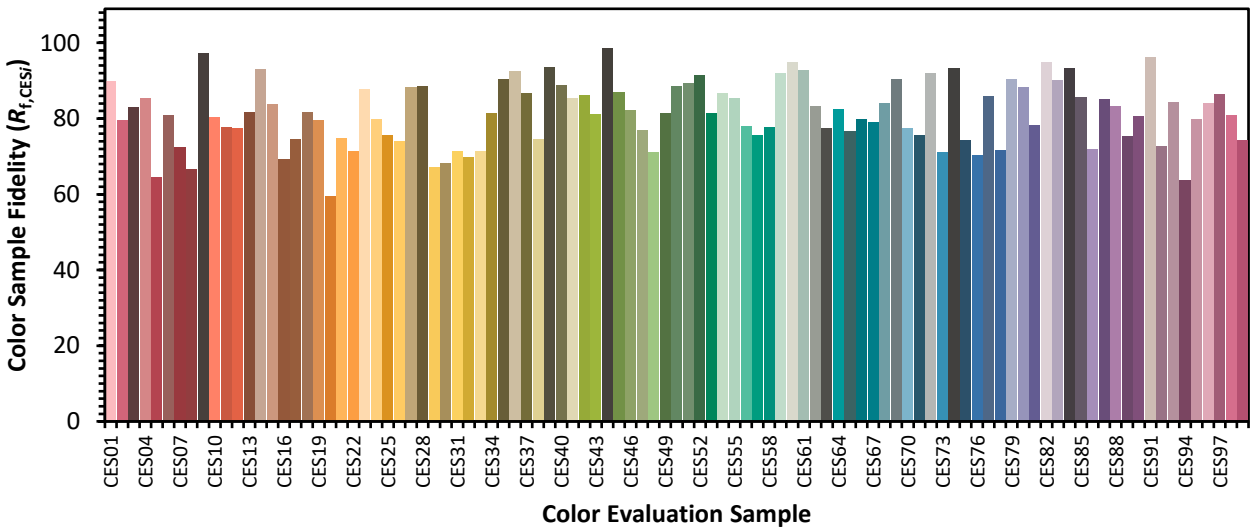



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## Individual Sample Fidelity Index ($R_{f,i}$)

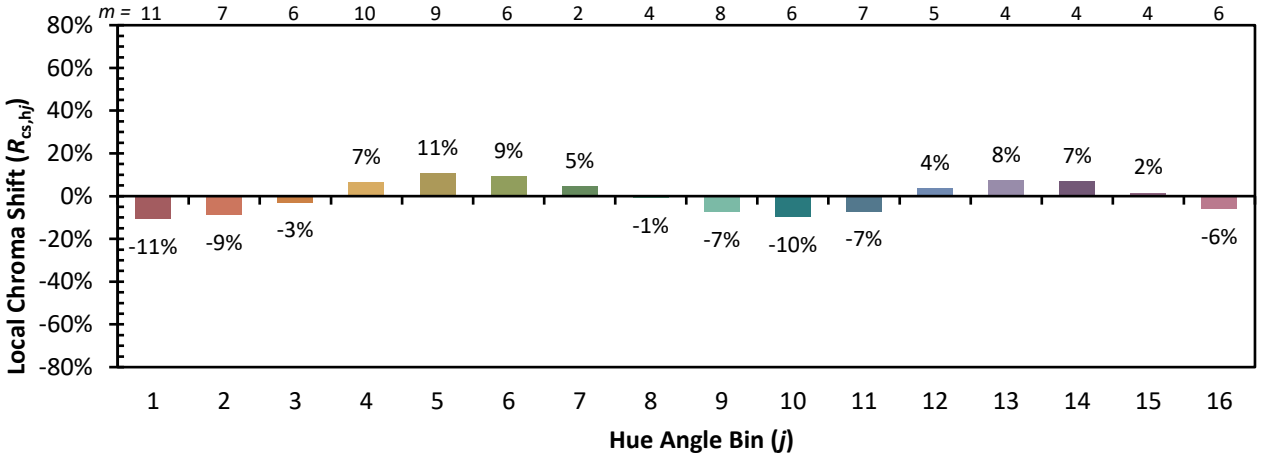
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 74 | CES51 = 89 | CES76 = 70 |
| CES02 = 63 | CES27 = 88 | CES52 = 91 | CES77 = 86 |
| CES03 = 31 | CES28 = 89 | CES53 = 81 | CES78 = 72 |
| CES04 = 70 | CES29 = 67 | CES54 = 87 | CES79 = 90 |
| CES05 = 50 | CES30 = 68 | CES55 = 85 | CES80 = 88 |
| CES06 = 51 | CES31 = 71 | CES56 = 78 | CES81 = 78 |
| CES07 = 42 | CES32 = 70 | CES57 = 76 | CES82 = 95 |
| CES08 = 41 | CES33 = 71 | CES58 = 78 | CES83 = 90 |
| CES09 = 29 | CES34 = 82 | CES59 = 92 | CES84 = 93 |
| CES10 = 76 | CES35 = 90 | CES60 = 95 | CES85 = 86 |
| CES11 = 59 | CES36 = 93 | CES61 = 93 | CES86 = 72 |
| CES12 = 65 | CES37 = 87 | CES62 = 83 | CES87 = 85 |
| CES13 = 43 | CES38 = 75 | CES63 = 77 | CES88 = 83 |
| CES14 = 74 | CES39 = 94 | CES64 = 83 | CES89 = 75 |
| CES15 = 71 | CES40 = 89 | CES65 = 77 | CES90 = 81 |
| CES16 = 47 | CES41 = 85 | CES66 = 80 | CES91 = 96 |
| CES17 = 50 | CES42 = 86 | CES67 = 79 | CES92 = 73 |
| CES18 = 56 | CES43 = 81 | CES68 = 84 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 90 | CES94 = 64 |
| CES20 = 66 | CES45 = 87 | CES70 = 77 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 76 | CES96 = 84 |
| CES22 = 79 | CES47 = 77 | CES72 = 92 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 71 | CES98 = 81 |
| CES24 = 91 | CES49 = 81 | CES74 = 93 | CES99 = 74 |
| CES25 = 72 | CES50 = 89 | CES75 = 74 | |

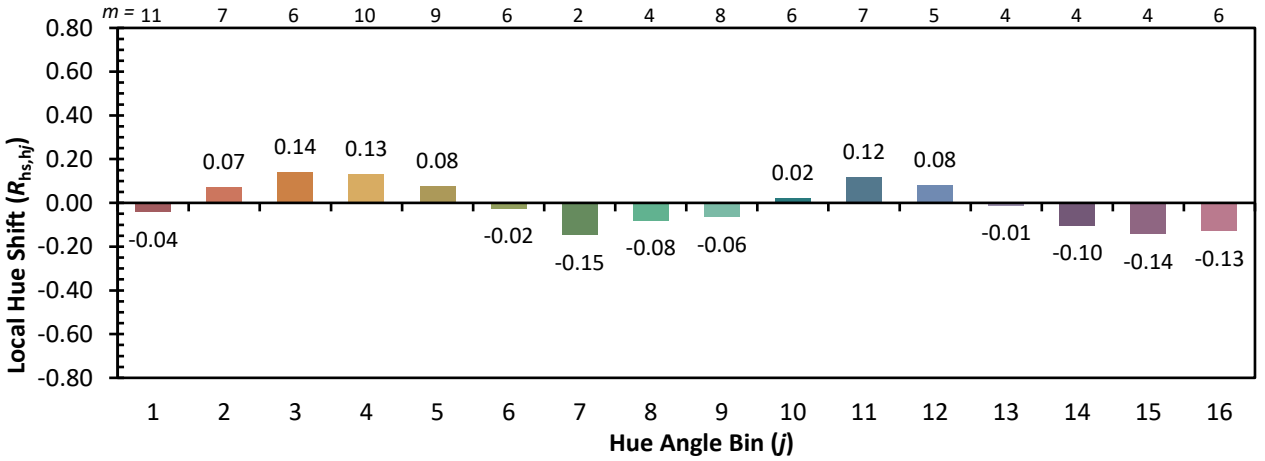


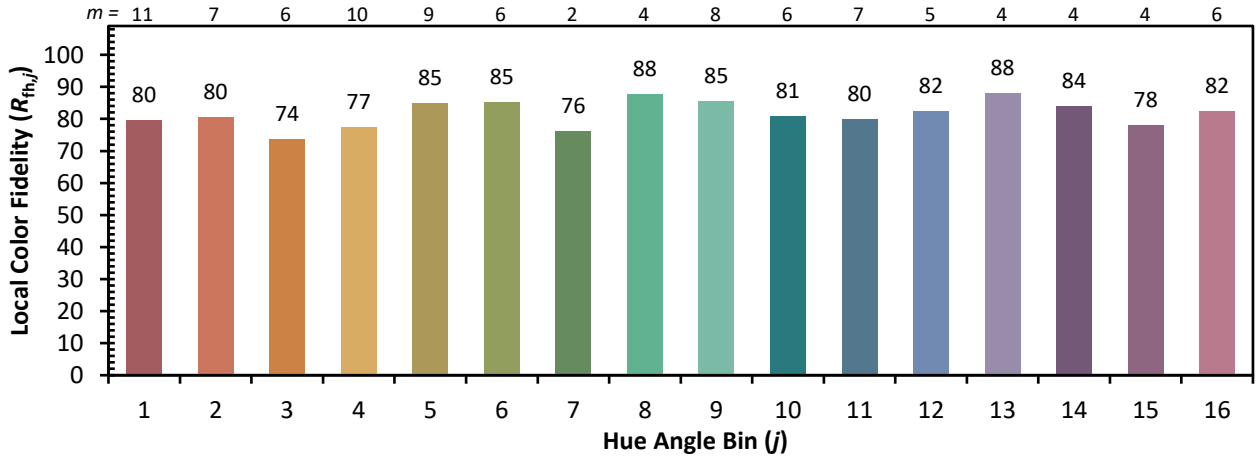
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## Color Rendition by Hue-Angle Bin



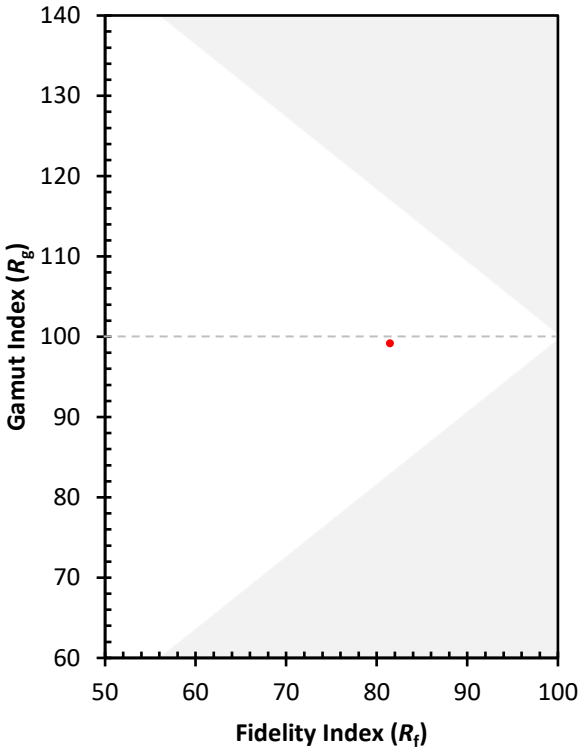



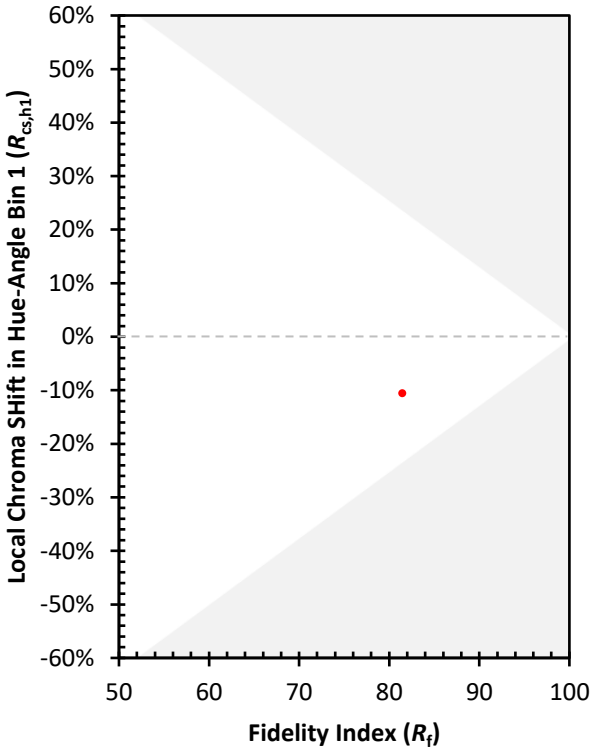



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## Measure Comparisons




(END OF REPORT)