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: P1501991

Luminaire Tested: GSS-SB5C-850-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: | P1501991 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5C-850-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (130) 5000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 28040.7 lumens |
| Efficiency: | N/A |
| Efficacy: | 111.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

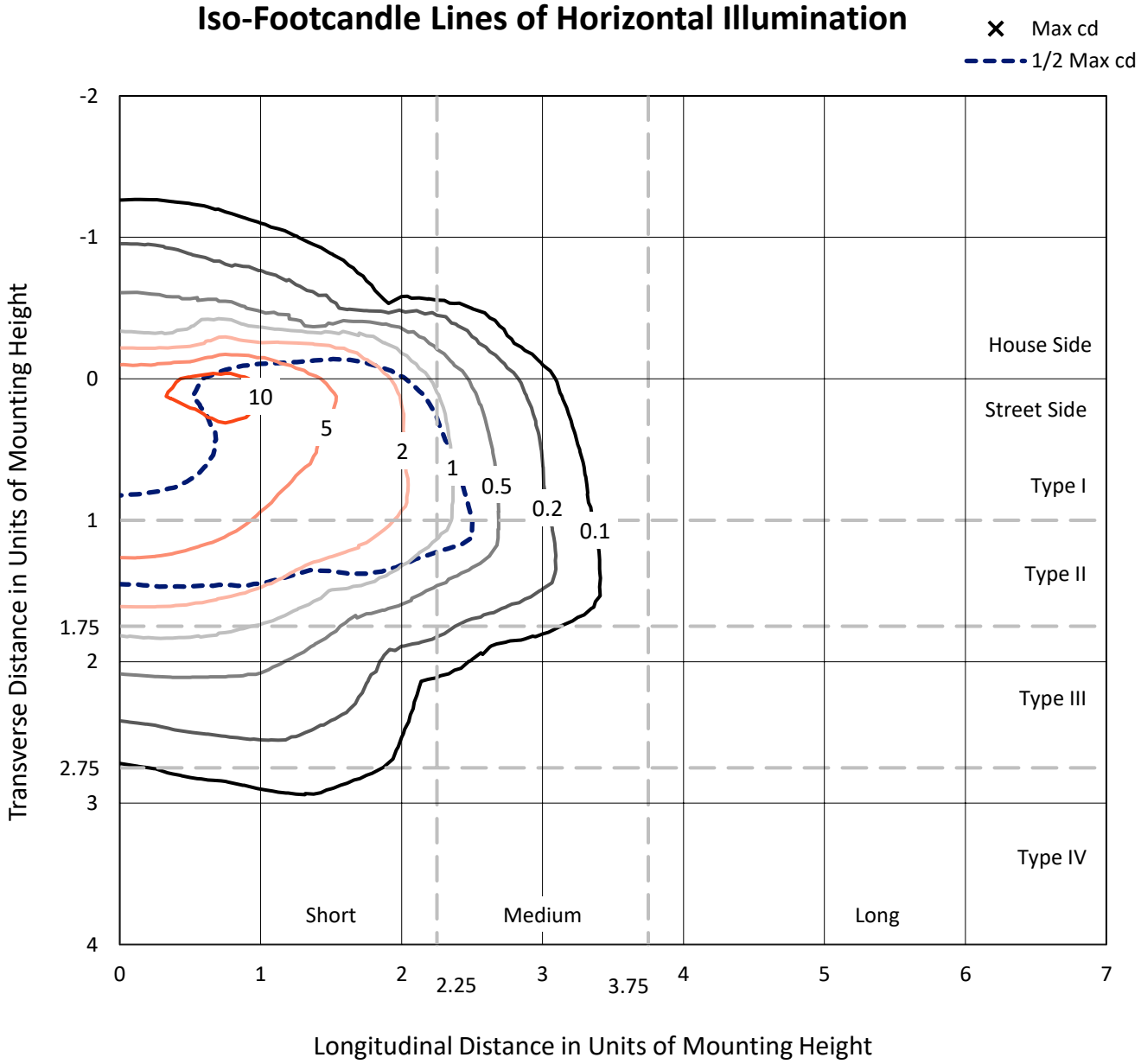
| | |
|---|---|
| Input Watts (W): | 252 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 7.9% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



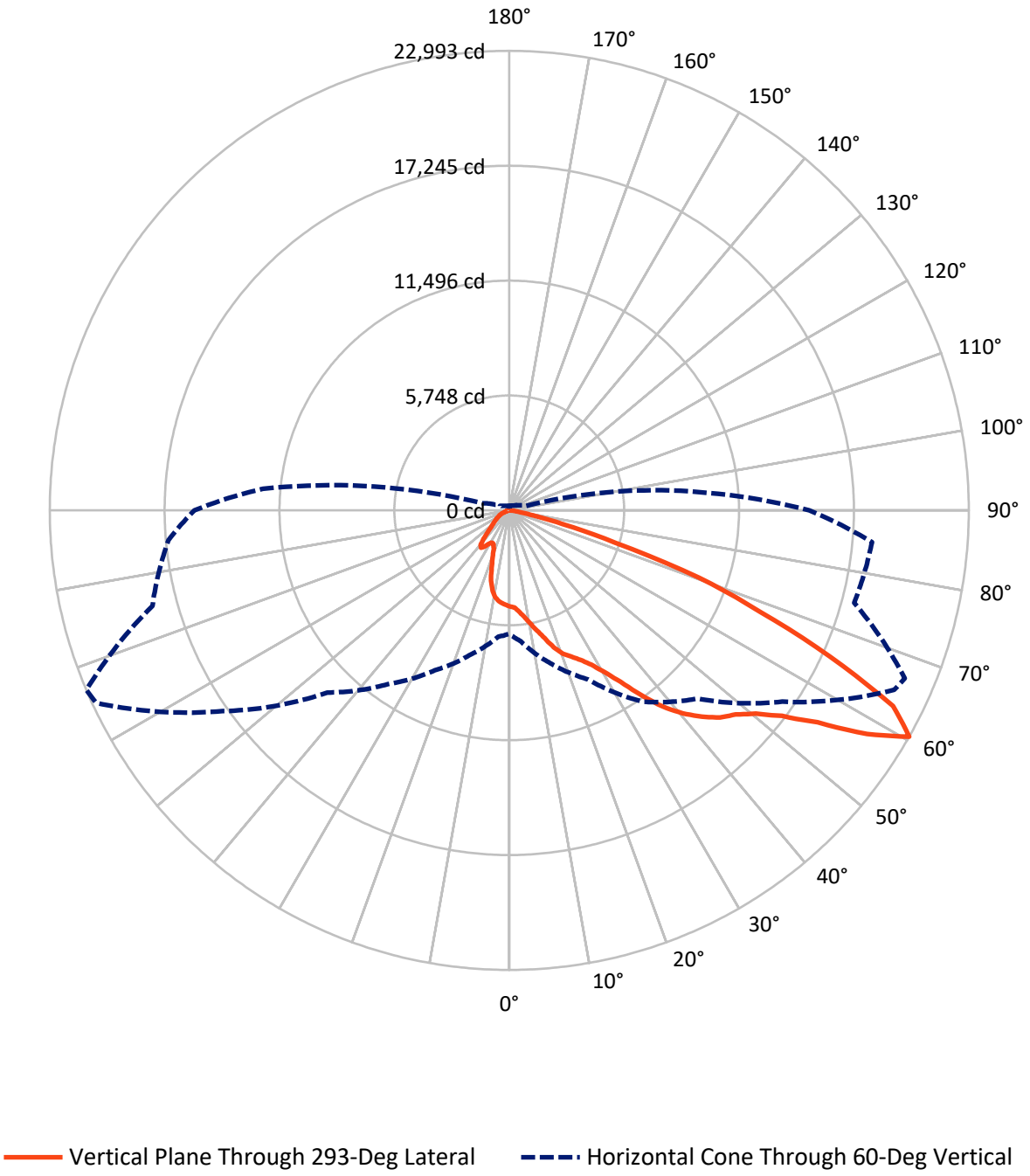

Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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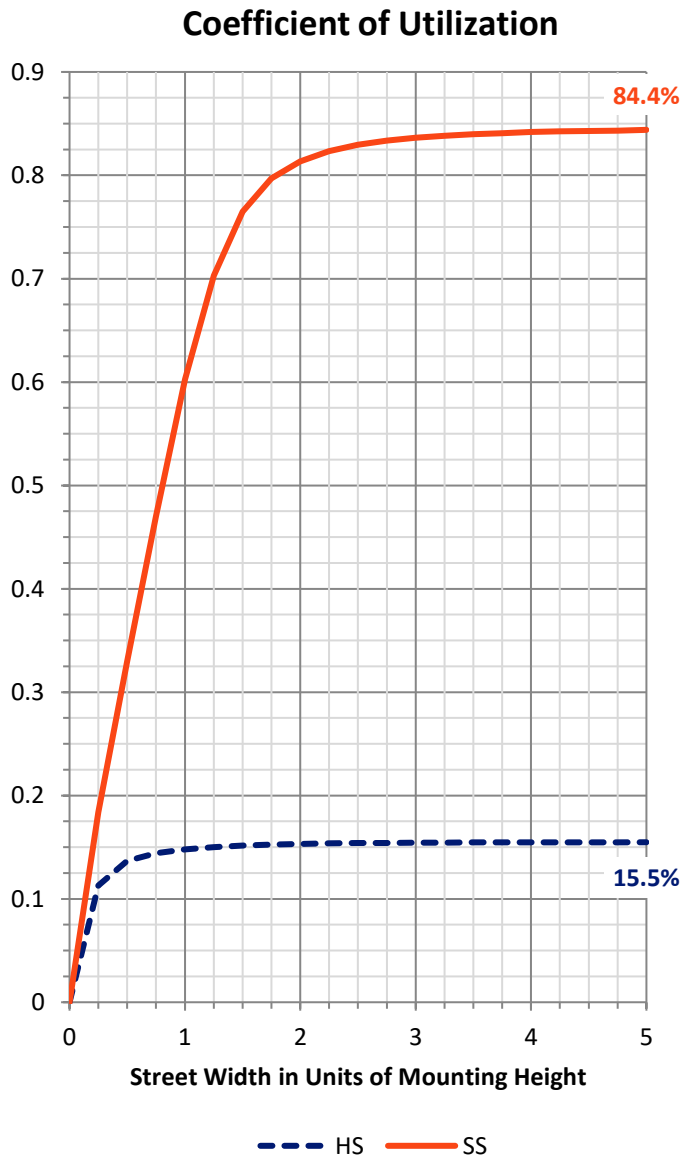
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4375.0 | 0.0 | 4375.0 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 23665.7 | 0.0 | 23665.7 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 28040.7 | 0.0 | 28040.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 435.1 | 1.6 |
| 10°-20° | 1096.0 | 3.9 |
| 20°-30° | 2046.0 | 7.3 |
| 30°-40° | 4057.4 | 14.5 |
| 40°-50° | 6469.0 | 23.1 |
| 50°-60° | 7728.8 | 27.6 |
| 60°-70° | 5066.7 | 18.1 |
| 70°-80° | 1061.5 | 3.8 |
| 80°-90° | 80.3 | 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° | 28040.7 | 100.0 |
| 0°-180° | 28040.7 | 100.0 |



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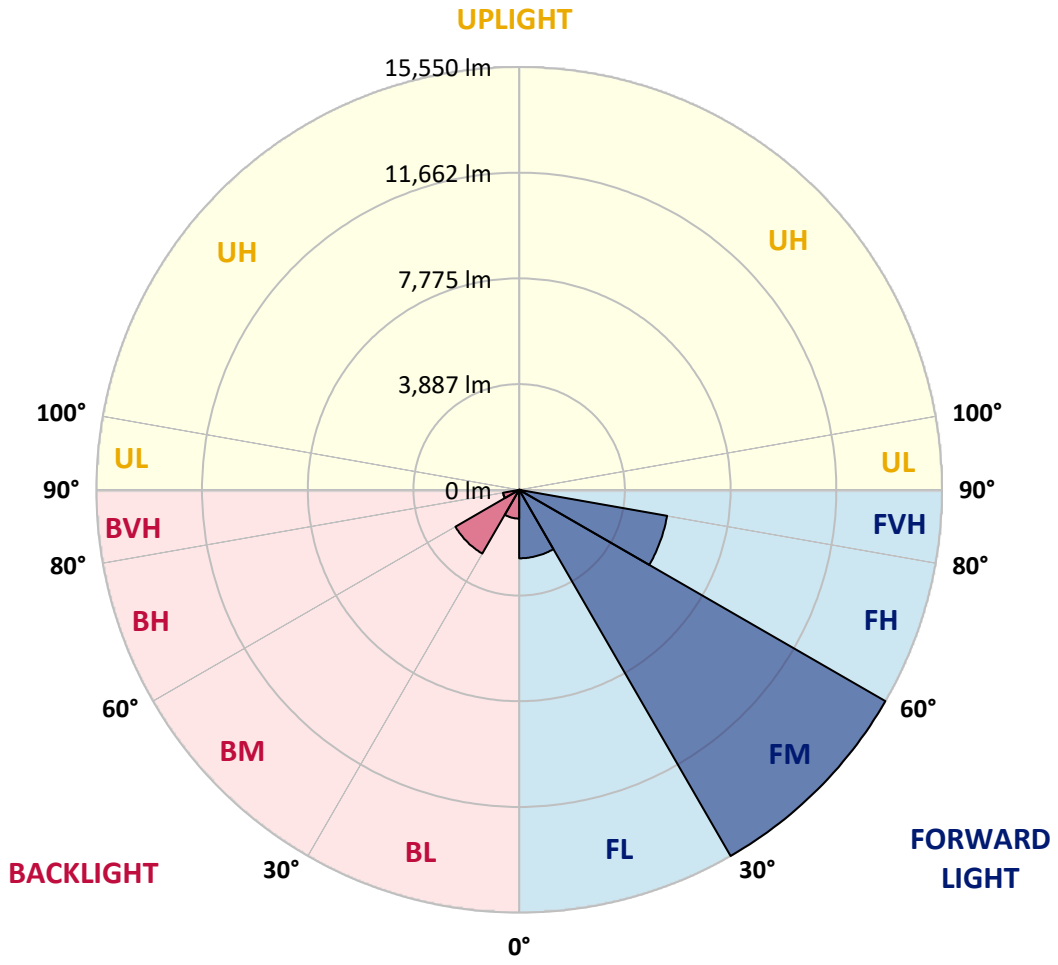
Scaled Data Report

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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°) | 2518.6 | 9.0 | | | |
| FM | (30°-60°) | 15549.7 | 55.5 | | | |
| FH | (60°-80°) | 5523.9 | 19.7 | | | G3/7500 |
| FVH | (80°-90°) | 73.6 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 1058.5 | 3.8 | B3/2500 | | |
| BM | (30°-60°) | 2705.5 | 9.6 | B3/5000 | | |
| BH | (60°-80°) | 604.3 | 2.2 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 6.7 | 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° | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 |
| 2.5° | 5049.3 | 5033.6 | 5010.1 | 5017.9 | 5010.1 | 4978.7 | 4931.5 | 4892.3 | 4923.7 | 4876.6 | 4845.2 |
| 5° | 5198.5 | 5198.5 | 5182.8 | 5182.8 | 5190.7 | 5175.0 | 5143.6 | 5088.6 | 5096.5 | 5057.2 | 4955.1 |
| 7.5° | 5198.5 | 5175.0 | 5214.2 | 5253.5 | 5324.2 | 5363.4 | 5379.2 | 5347.7 | 5363.4 | 5284.9 | 5151.4 |
| 10° | 4892.3 | 4876.6 | 4978.7 | 5127.9 | 5332.0 | 5512.6 | 5630.4 | 5638.3 | 5661.9 | 5583.3 | 5426.3 |
| 12.5° | 4240.5 | 4209.1 | 4413.3 | 4696.0 | 5112.2 | 5528.4 | 5858.2 | 5983.8 | 6038.8 | 6007.4 | 5787.5 |
| 15° | 3635.8 | 3675.1 | 3816.4 | 4122.7 | 4680.3 | 5316.3 | 5983.8 | 6400.0 | 6478.5 | 6517.8 | 6258.7 |
| 17.5° | 3573.0 | 3580.9 | 3628.0 | 3777.2 | 4201.2 | 4970.8 | 5999.5 | 6831.9 | 6941.9 | 7114.6 | 6761.2 |
| 20° | 3745.8 | 3730.1 | 3777.2 | 3824.3 | 4028.5 | 4664.5 | 5850.3 | 7248.1 | 7460.1 | 7829.2 | 7444.4 |
| 22.5° | 4067.7 | 4067.7 | 4091.3 | 4122.7 | 4224.8 | 4641.0 | 5787.5 | 7632.9 | 7994.1 | 8748.0 | 8300.4 |
| 25° | 4609.6 | 4546.8 | 4562.5 | 4523.2 | 4609.6 | 4923.7 | 5928.8 | 7939.2 | 8433.9 | 9768.9 | 9321.2 |
| 27.5° | 5449.8 | 5473.4 | 5332.0 | 5120.0 | 5167.1 | 5434.1 | 6274.4 | 8284.7 | 8889.3 | 10829.0 | 10357.8 |
| 30° | 6612.0 | 6572.8 | 6486.4 | 6070.2 | 5881.7 | 6117.3 | 6910.4 | 8850.1 | 9501.9 | 12171.8 | 11739.9 |
| 32.5° | 7523.0 | 7632.9 | 7483.7 | 7193.1 | 6902.6 | 6973.3 | 7805.7 | 9761.0 | 10247.9 | 13404.7 | 13169.1 |
| 35° | 8622.3 | 8622.3 | 8653.8 | 8245.4 | 8049.1 | 8033.4 | 8928.6 | 10750.4 | 11237.3 | 14519.8 | 14684.7 |
| 37.5° | 10106.5 | 10004.4 | 9831.7 | 9376.2 | 9227.0 | 9423.3 | 9980.9 | 11771.3 | 12297.4 | 15422.8 | 15862.6 |
| 40° | 11355.1 | 11425.8 | 11402.2 | 10742.6 | 10452.0 | 10664.1 | 11158.8 | 12643.0 | 13051.3 | 16004.0 | 16812.8 |
| 42.5° | 12580.1 | 12619.4 | 12517.3 | 12203.2 | 11779.2 | 11794.9 | 12203.2 | 13302.6 | 13718.8 | 16561.5 | 17708.0 |
| 45° | 13498.9 | 13491.1 | 13420.4 | 13341.9 | 13090.6 | 12831.4 | 12902.1 | 14032.9 | 14394.1 | 16742.1 | 18194.9 |
| 47.5° | 13789.5 | 13852.3 | 13915.1 | 14135.0 | 14307.8 | 13899.4 | 13538.2 | 14425.5 | 14755.4 | 16710.7 | 18375.5 |
| 50° | 13522.5 | 13656.0 | 13962.2 | 14292.0 | 14881.0 | 14849.6 | 14072.2 | 14849.6 | 15171.6 | 16883.5 | 18587.5 |
| 52.5° | 12925.7 | 13059.2 | 13467.5 | 14064.3 | 14951.7 | 15391.4 | 15061.6 | 15564.2 | 15941.1 | 17323.2 | 19027.3 |
| 55° | 11535.7 | 11590.7 | 12430.9 | 13216.2 | 14598.3 | 15155.9 | 16121.7 | 16773.5 | 17087.6 | 17857.2 | 19608.4 |
| 57.5° | 9391.9 | 9525.4 | 10350.0 | 11630.0 | 13608.9 | 14535.5 | 16726.4 | 18838.8 | 18831.0 | 18367.6 | 19734.0 |
| 60° | *6180.1* | *6572.8* | *7915.6* | *9329.1* | *11692.8* | *13318.3* | *16687.1* | *21257.5* | *21500.9* | *17865.1* | *18218.4* |
| 62.5° | 4719.5 | 4884.4 | 5646.1 | 6824.1 | 8653.8 | 11041.0 | 16428.0 | 21979.9 | 22168.4 | 16514.4 | 15949.0 |
| 65° | 3549.5 | 3753.6 | 4483.9 | 5536.2 | 6109.5 | 7483.7 | 14731.8 | 19105.8 | 19364.9 | 14739.7 | 12399.5 |
| 67.5° | 2175.2 | 2340.1 | 3313.9 | 4546.8 | 4625.3 | 4648.8 | 9941.6 | 14472.7 | 14566.9 | 11889.1 | 8347.5 |
| 70° | 1452.8 | 1617.7 | 2293.0 | 3494.5 | 3683.0 | 2677.8 | 5457.7 | 10954.6 | 10946.8 | 8135.5 | 5072.9 |
| 72.5° | 840.2 | 918.8 | 1452.8 | 2575.7 | 2897.7 | 1704.1 | 2724.9 | 6965.4 | 6659.2 | 3824.3 | 2371.5 |
| 75° | 479.0 | 534.0 | 801.0 | 1656.9 | 2033.9 | 1083.7 | 1075.8 | 3730.1 | 3298.2 | 1971.0 | 1295.7 |
| 77.5° | 290.6 | 314.1 | 439.8 | 1083.7 | 1225.0 | 730.3 | 596.8 | 1735.5 | 1672.6 | 1154.4 | 683.2 |
| 80° | 141.3 | 164.9 | 267.0 | 636.1 | 785.3 | 392.6 | 361.2 | 683.2 | 730.3 | 636.1 | 361.2 |
| 82.5° | 47.1 | 62.8 | 149.2 | 243.4 | 510.4 | 157.1 | 149.2 | 376.9 | 400.5 | 376.9 | 172.8 |
| 85° | 23.6 | 31.4 | 70.7 | 78.5 | 196.3 | 78.5 | 55.0 | 164.9 | 204.2 | 125.6 | 70.7 |
| 87.5° | 0.0 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 15.7 | 15.7 | 15.7 | 15.7 |
| 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° | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 |
| 2.5° | 4821.6 | 4805.9 | 4774.5 | 4719.5 | 4711.7 | 4672.4 | 4609.6 | 4570.3 | 4538.9 | 4562.5 | 4570.3 |
| 5° | 4908.0 | 4868.7 | 4774.5 | 4625.3 | 4468.2 | 4311.2 | 4162.0 | 3989.2 | 3871.4 | 3855.7 | 3824.3 |
| 7.5° | 5065.0 | 4986.5 | 4782.3 | 4491.8 | 4091.3 | 3714.4 | 3274.6 | 2850.6 | 2638.5 | 2607.1 | 2536.4 |
| 10° | 5316.3 | 5182.8 | 4845.2 | 4256.2 | 3486.6 | 2701.4 | 2033.9 | 1578.4 | 1319.3 | 1272.1 | 1287.9 |
| 12.5° | 5614.7 | 5426.3 | 4853.0 | 3855.7 | 2654.2 | 1672.6 | 1154.4 | 981.6 | 926.6 | 903.1 | 903.1 |
| 15° | 5999.5 | 5724.7 | 4845.2 | 3337.4 | 1790.4 | 1075.8 | 926.6 | 856.0 | 832.4 | 816.7 | 816.7 |
| 17.5° | 6486.4 | 6125.2 | 4790.2 | 2560.0 | 1209.3 | 934.5 | 848.1 | 793.1 | 761.7 | 753.9 | 753.9 |
| 20° | 7059.6 | 6572.8 | 4664.5 | 1908.2 | 1013.0 | 871.7 | 801.0 | 730.3 | 706.7 | 691.0 | 691.0 |
| 22.5° | 7790.0 | 7114.6 | 4421.1 | 1484.2 | 958.0 | 832.4 | 753.9 | 675.3 | 651.8 | 636.1 | 636.1 |
| 25° | 8638.1 | 7805.7 | 4099.1 | 1335.0 | 950.2 | 801.0 | 706.7 | 628.2 | 604.7 | 596.8 | 589.0 |
| 27.5° | 9643.2 | 8543.8 | 3800.7 | 1342.8 | 965.9 | 777.4 | 659.6 | 589.0 | 565.4 | 541.8 | 549.7 |
| 30° | 10829.0 | 9305.5 | 3557.3 | 1437.1 | 981.6 | 753.9 | 628.2 | 565.4 | 541.8 | 510.4 | 510.4 |
| 32.5° | 11999.0 | 10200.8 | 3533.7 | 1609.8 | 1036.6 | 738.2 | 596.8 | 534.0 | 510.4 | 486.9 | 486.9 |
| 35° | 13200.5 | 11017.4 | 3667.2 | 1837.5 | 1146.5 | 714.6 | 557.5 | 502.6 | 479.0 | 463.3 | 455.5 |
| 37.5° | 14347.0 | 11669.2 | 3792.9 | 1978.9 | 1083.7 | 612.5 | 510.4 | 463.3 | 439.8 | 408.3 | 408.3 |
| 40° | 15108.7 | 12022.6 | 3816.4 | 1869.0 | 895.2 | 549.7 | 463.3 | 416.2 | 384.8 | 369.1 | 361.2 |
| 42.5° | 15666.3 | 12250.3 | 3549.5 | 1515.6 | 777.4 | 502.6 | 424.0 | 376.9 | 353.4 | 337.7 | 337.7 |
| 45° | 15894.0 | 12171.8 | 3094.0 | 1154.4 | 714.6 | 463.3 | 384.8 | 345.5 | 329.8 | 314.1 | 314.1 |
| 47.5° | 15862.6 | 11810.6 | 2630.7 | 926.6 | 651.8 | 424.0 | 361.2 | 329.8 | 314.1 | 298.4 | 290.6 |
| 50° | 15807.6 | 11472.9 | 2159.5 | 824.5 | 581.1 | 400.5 | 337.7 | 314.1 | 290.6 | 274.8 | 267.0 |
| 52.5° | 16168.9 | 11363.0 | 1790.4 | 753.9 | 541.8 | 384.8 | 329.8 | 298.4 | 274.8 | 259.1 | 259.1 |
| 55° | 16530.1 | 11410.1 | 1405.6 | 706.7 | 502.6 | 376.9 | 322.0 | 290.6 | 267.0 | 243.4 | 243.4 |
| 57.5° | 16506.5 | 11205.9 | 1068.0 | 659.6 | 471.2 | 369.1 | 314.1 | 282.7 | 243.4 | 227.7 | 227.7 |
| 60° | *15006.7* | *9996.6* | *832.4* | *604.7* | *431.9* | *345.5* | *290.6* | *267.0* | *227.7* | *204.2* | *204.2* |
| 62.5° | 12690.1 | 7860.6 | 683.2 | 534.0 | 384.8 | 314.1 | 267.0 | 243.4 | 204.2 | 164.9 | 164.9 |
| 65° | 9376.2 | 5669.7 | 549.7 | 463.3 | 353.4 | 274.8 | 243.4 | 212.0 | 164.9 | 133.5 | 125.6 |
| 67.5° | 6345.0 | 3486.6 | 439.8 | 384.8 | 314.1 | 235.6 | 204.2 | 180.6 | 149.2 | 109.9 | 102.1 |
| 70° | 3761.5 | 1853.3 | 322.0 | 267.0 | 235.6 | 172.8 | 172.8 | 157.1 | 125.6 | 94.2 | 86.4 |
| 72.5° | 1790.4 | 643.9 | 235.6 | 196.3 | 180.6 | 125.6 | 133.5 | 133.5 | 102.1 | 70.7 | 62.8 |
| 75° | 910.9 | 314.1 | 157.1 | 141.3 | 117.8 | 94.2 | 109.9 | 102.1 | 70.7 | 47.1 | 47.1 |
| 77.5° | 518.3 | 219.9 | 109.9 | 94.2 | 78.5 | 62.8 | 70.7 | 62.8 | 39.3 | 23.6 | 23.6 |
| 80° | 290.6 | 157.1 | 70.7 | 62.8 | 47.1 | 39.3 | 39.3 | 31.4 | 23.6 | 7.9 | 7.9 |
| 82.5° | 109.9 | 94.2 | 47.1 | 31.4 | 23.6 | 23.6 | 15.7 | 15.7 | 7.9 | 0.0 | 0.0 |
| 85° | 47.1 | 23.6 | 23.6 | 15.7 | 15.7 | 7.9 | 7.9 | 7.9 | 0.0 | 0.0 | 0.0 |
| 87.5° | 7.9 | 7.9 | 7.9 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 |
| 2.5° | 4507.5 | 4523.2 | 4538.9 | 4601.7 | 4617.4 | 4664.5 | 4703.8 | 4750.9 | 4758.8 | 4821.6 | 4821.6 |
| 5° | 3887.1 | 3879.3 | 4012.8 | 4209.1 | 4334.7 | 4507.5 | 4641.0 | 4782.3 | 4860.9 | 4963.0 | 5010.1 |
| 7.5° | 2575.7 | 2772.0 | 3070.4 | 3416.0 | 3863.6 | 4279.8 | 4593.9 | 4868.7 | 5057.2 | 5175.0 | 5222.1 |
| 10° | 1280.0 | 1389.9 | 1704.1 | 2269.5 | 3031.2 | 3879.3 | 4546.8 | 5057.2 | 5363.4 | 5496.9 | 5583.3 |
| 12.5° | 903.1 | 926.6 | 981.6 | 1287.9 | 2018.2 | 3219.6 | 4397.6 | 5261.4 | 5685.4 | 5936.7 | 6046.6 |
| 15° | 808.8 | 824.5 | 848.1 | 934.5 | 1248.6 | 2402.9 | 4130.6 | 5489.1 | 6188.0 | 6478.5 | 6619.9 |
| 17.5° | 746.0 | 753.9 | 777.4 | 848.1 | 981.6 | 1633.4 | 3698.7 | 5732.5 | 6792.6 | 7146.0 | 7413.0 |
| 20° | 691.0 | 691.0 | 714.6 | 801.0 | 910.9 | 1256.4 | 3078.3 | 6007.4 | 7562.2 | 8072.7 | 8339.6 |
| 22.5° | 628.2 | 643.9 | 659.6 | 753.9 | 887.4 | 1146.5 | 2497.2 | 6219.4 | 8418.2 | 9038.5 | 9352.7 |
| 25° | 581.1 | 596.8 | 612.5 | 706.7 | 863.8 | 1146.5 | 2159.5 | 6352.9 | 9376.2 | 10114.4 | 10546.3 |
| 27.5° | 541.8 | 557.5 | 581.1 | 675.3 | 840.2 | 1193.6 | 2026.0 | 6392.2 | 10420.6 | 11378.7 | 11959.8 |
| 30° | 510.4 | 526.1 | 549.7 | 651.8 | 856.0 | 1248.6 | 2073.1 | 6337.2 | 11480.8 | 12682.2 | 13373.3 |
| 32.5° | 479.0 | 494.7 | 518.3 | 628.2 | 856.0 | 1319.3 | 2230.2 | 6227.3 | 12509.5 | 13985.8 | 14833.9 |
| 35° | 455.5 | 463.3 | 471.2 | 565.4 | 777.4 | 1311.4 | 2426.5 | 6117.3 | 13546.0 | 15273.6 | 16263.1 |
| 37.5° | 408.3 | 416.2 | 431.9 | 486.9 | 620.4 | 1193.6 | 2465.8 | 5983.8 | 14362.7 | 16357.3 | 17448.9 |
| 40° | 361.2 | 376.9 | 392.6 | 447.6 | 518.3 | 965.9 | 2293.0 | 5701.1 | 14794.6 | 17189.7 | 18516.8 |
| 42.5° | 329.8 | 337.7 | 353.4 | 408.3 | 479.0 | 769.6 | 1923.9 | 5206.4 | 15179.4 | 17755.1 | 19294.3 |
| 45° | 306.3 | 314.1 | 329.8 | 369.1 | 447.6 | 667.5 | 1515.6 | 4601.7 | 15210.8 | 17935.7 | 19671.2 |
| 47.5° | 282.7 | 290.6 | 298.4 | 337.7 | 431.9 | 596.8 | 1162.2 | 4052.0 | 15203.0 | 18171.3 | 19993.2 |
| 50° | 267.0 | 274.8 | 290.6 | 322.0 | 408.3 | 534.0 | 958.0 | 3604.4 | 15532.8 | 18681.8 | 20644.9 |
| 52.5° | 259.1 | 259.1 | 282.7 | 314.1 | 384.8 | 486.9 | 801.0 | 3203.9 | 15705.5 | 19184.3 | 21116.1 |
| 55° | 243.4 | 251.3 | 267.0 | 298.4 | 361.2 | 463.3 | 683.2 | 2701.4 | 15784.1 | 19435.6 | 21202.5 |
| 57.5° | 227.7 | 235.6 | 259.1 | 282.7 | 345.5 | 439.8 | 589.0 | 2018.2 | 14661.1 | 18124.2 | 19757.6 |
| 60° | *204.2* | *219.9* | *251.3* | *274.8* | *322.0* | *400.5* | *518.3* | *1366.4* | *12368.1* | *15752.7* | *17119.0* |
| 62.5° | 164.9 | 196.3 | 227.7 | 243.4 | 290.6 | 337.7 | 439.8 | 910.9 | 9878.8 | 13035.6 | 14590.5 |
| 65° | 125.6 | 164.9 | 188.5 | 212.0 | 243.4 | 282.7 | 369.1 | 620.4 | 6588.5 | 8771.5 | 10522.7 |
| 67.5° | 109.9 | 141.3 | 157.1 | 172.8 | 204.2 | 243.4 | 298.4 | 431.9 | 3997.1 | 5269.2 | 6996.8 |
| 70° | 86.4 | 117.8 | 133.5 | 125.6 | 157.1 | 188.5 | 212.0 | 290.6 | 2041.7 | 2858.4 | 3981.4 |
| 72.5° | 62.8 | 94.2 | 102.1 | 102.1 | 94.2 | 133.5 | 157.1 | 204.2 | 887.4 | 1389.9 | 1806.1 |
| 75° | 47.1 | 62.8 | 70.7 | 62.8 | 55.0 | 86.4 | 109.9 | 133.5 | 581.1 | 832.4 | 1052.3 |
| 77.5° | 23.6 | 23.6 | 39.3 | 39.3 | 23.6 | 47.1 | 55.0 | 78.5 | 329.8 | 486.9 | 604.7 |
| 80° | 7.9 | 0.0 | 0.0 | 7.9 | 0.0 | 15.7 | 23.6 | 39.3 | 172.8 | 259.1 | 376.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 86.4 | 78.5 | 196.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.7 | 47.1 |
| 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: P1501991
CATALOG NUMBER: GSS-SB5C-850-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 | 4805.9 |
| 2.5° | 4860.9 | 4860.9 | 4892.3 | 4939.4 | 4963.0 | 4978.7 | 4986.5 | 5002.2 | 5065.0 | 5049.3 |
| 5° | 5065.0 | 5080.7 | 5104.3 | 5151.4 | 5206.4 | 5190.7 | 5190.7 | 5190.7 | 5229.9 | 5198.5 |
| 7.5° | 5332.0 | 5379.2 | 5387.0 | 5442.0 | 5402.7 | 5324.2 | 5277.1 | 5206.4 | 5198.5 | 5198.5 |
| 10° | 5763.9 | 5748.2 | 5748.2 | 5677.6 | 5536.2 | 5308.5 | 5104.3 | 4963.0 | 4884.4 | 4892.3 |
| 12.5° | 6227.3 | 6164.4 | 6172.3 | 5913.1 | 5512.6 | 5010.1 | 4593.9 | 4287.6 | 4264.1 | 4240.5 |
| 15° | 6800.5 | 6635.6 | 6604.2 | 6007.4 | 5159.3 | 4389.7 | 3981.4 | 3737.9 | 3659.4 | 3635.8 |
| 17.5° | 7617.2 | 7201.0 | 7051.8 | 5842.5 | 4696.0 | 4004.9 | 3698.7 | 3588.7 | 3580.9 | 3573.0 |
| 20° | 8481.0 | 7656.5 | 7373.8 | 5599.0 | 4538.9 | 4012.8 | 3785.0 | 3753.6 | 3737.9 | 3745.8 |
| 22.5° | 9486.2 | 7947.0 | 7585.8 | 5638.3 | 4680.3 | 4271.9 | 4091.3 | 4067.7 | 4052.0 | 4067.7 |
| 25° | 10522.7 | 8284.7 | 7837.1 | 5952.4 | 5104.3 | 4750.9 | 4538.9 | 4491.8 | 4538.9 | 4609.6 |
| 27.5° | 11567.1 | 8740.1 | 8331.8 | 6572.8 | 5787.5 | 5402.7 | 5198.5 | 5371.3 | 5442.0 | 5449.8 |
| 30° | 12493.8 | 9376.2 | 8999.3 | 7444.4 | 6564.9 | 6180.1 | 6219.4 | 6439.3 | 6525.7 | 6612.0 |
| 32.5° | 13341.9 | 10224.3 | 9933.8 | 8433.9 | 7570.1 | 7342.3 | 7318.8 | 7483.7 | 7577.9 | 7523.0 |
| 35° | 14197.8 | 11331.6 | 11048.9 | 9509.7 | 8803.0 | 8614.5 | 8418.2 | 8740.1 | 8708.7 | 8622.3 |
| 37.5° | 15006.7 | 12446.6 | 12187.5 | 10664.1 | 9933.8 | 9603.9 | 9572.5 | 9863.1 | 10122.2 | 10106.5 |
| 40° | 15587.8 | 13349.7 | 13035.6 | 11810.6 | 11119.5 | 10836.8 | 11001.7 | 11504.3 | 11441.5 | 11355.1 |
| 42.5° | 16121.7 | 14119.3 | 13836.6 | 12815.7 | 12093.3 | 12218.9 | 12368.1 | 12705.8 | 12666.5 | 12580.1 |
| 45° | 16373.0 | 14778.9 | 14535.5 | 13577.4 | 13224.1 | 13624.6 | 13616.7 | 13742.4 | 13530.3 | 13498.9 |
| 47.5° | 16726.4 | 15250.1 | 14998.8 | 14260.6 | 14574.7 | 14739.7 | 14276.3 | 14142.8 | 13946.5 | 13789.5 |
| 50° | 17378.2 | 15980.4 | 15729.1 | 15297.2 | 15564.2 | 15053.8 | 14488.4 | 14197.8 | 13797.3 | 13522.5 |
| 52.5° | 18139.9 | 17087.6 | 16867.8 | 16695.0 | 15949.0 | 14896.7 | 14174.3 | 13648.1 | 13161.2 | 12925.7 |
| 55° | 19097.9 | 18721.0 | 18564.0 | 17613.8 | 15603.5 | 14252.8 | 13404.7 | 12423.1 | 11755.6 | 11535.7 |
| 57.5° | 19412.1 | 21116.1 | 21061.1 | 17763.0 | 14637.6 | 13082.7 | 11551.4 | 10224.3 | 9533.3 | 9391.9 |
| 60° | 18485.4 | 22992.9 | 22796.6 | 17511.7 | 12886.4 | 10617.0 | 8826.5 | 7468.0 | 6345.0 | 6180.1 |
| 62.5° | 17299.7 | 21555.9 | 21485.2 | 16247.4 | 9816.0 | 7609.3 | 6596.3 | 5324.2 | 4845.2 | 4719.5 |
| 65° | 14818.2 | 17637.3 | 17668.7 | 13035.6 | 6211.5 | 5465.5 | 5418.4 | 4232.6 | 3643.7 | 3549.5 |
| 67.5° | 11410.1 | 13530.3 | 13310.5 | 8198.3 | 3620.1 | 4374.0 | 4326.9 | 3094.0 | 2238.0 | 2175.2 |
| 70° | 6667.0 | 10075.1 | 9721.7 | 4264.1 | 2395.1 | 3651.5 | 3329.6 | 2175.2 | 1523.4 | 1452.8 |
| 72.5° | 2944.8 | 5544.1 | 5952.4 | 1876.8 | 1688.3 | 2905.5 | 2402.9 | 1335.0 | 856.0 | 840.2 |
| 75° | 1633.4 | 2748.5 | 2874.1 | 816.7 | 1185.8 | 2065.3 | 1452.8 | 746.0 | 486.9 | 479.0 |
| 77.5° | 981.6 | 1217.2 | 1185.8 | 526.1 | 887.4 | 1319.3 | 879.5 | 424.0 | 306.3 | 290.6 |
| 80° | 549.7 | 557.5 | 471.2 | 384.8 | 526.1 | 738.2 | 494.7 | 267.0 | 141.3 | 141.3 |
| 82.5° | 337.7 | 306.3 | 243.4 | 117.8 | 141.3 | 447.6 | 180.6 | 149.2 | 47.1 | 47.1 |
| 85° | 141.3 | 94.2 | 62.8 | 23.6 | 55.0 | 117.8 | 62.8 | 70.7 | 23.6 | 23.6 |
| 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: SP1-2407-184-12

Test Date: 10/11/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

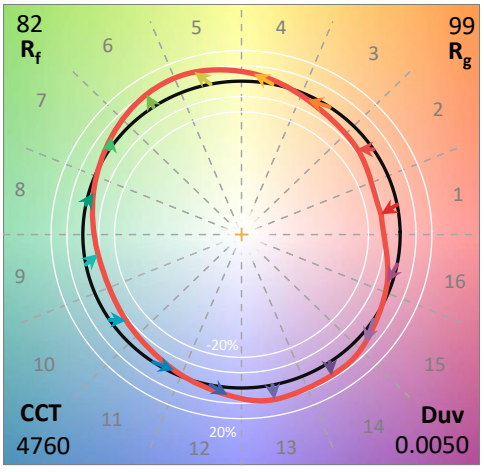
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-12 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-850-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

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

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




## Test Conditions

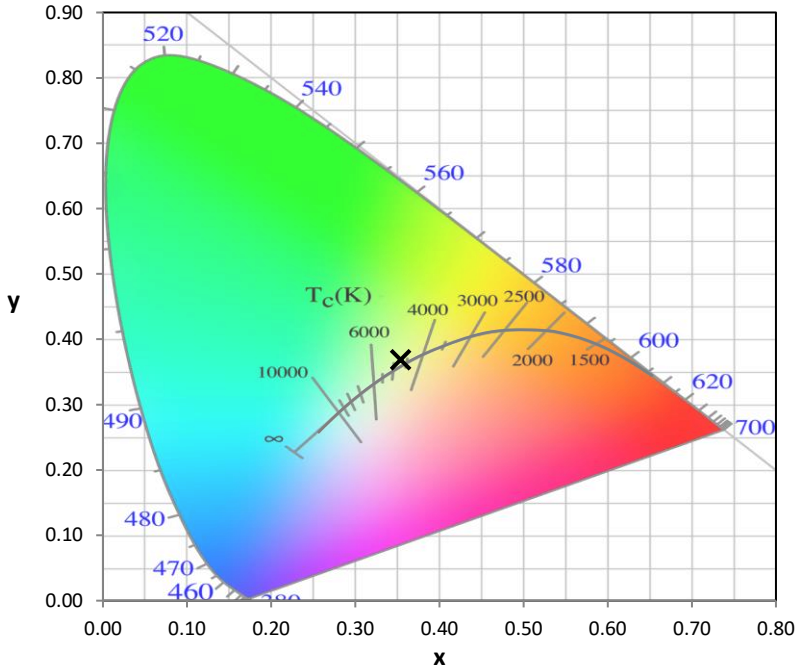
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-12

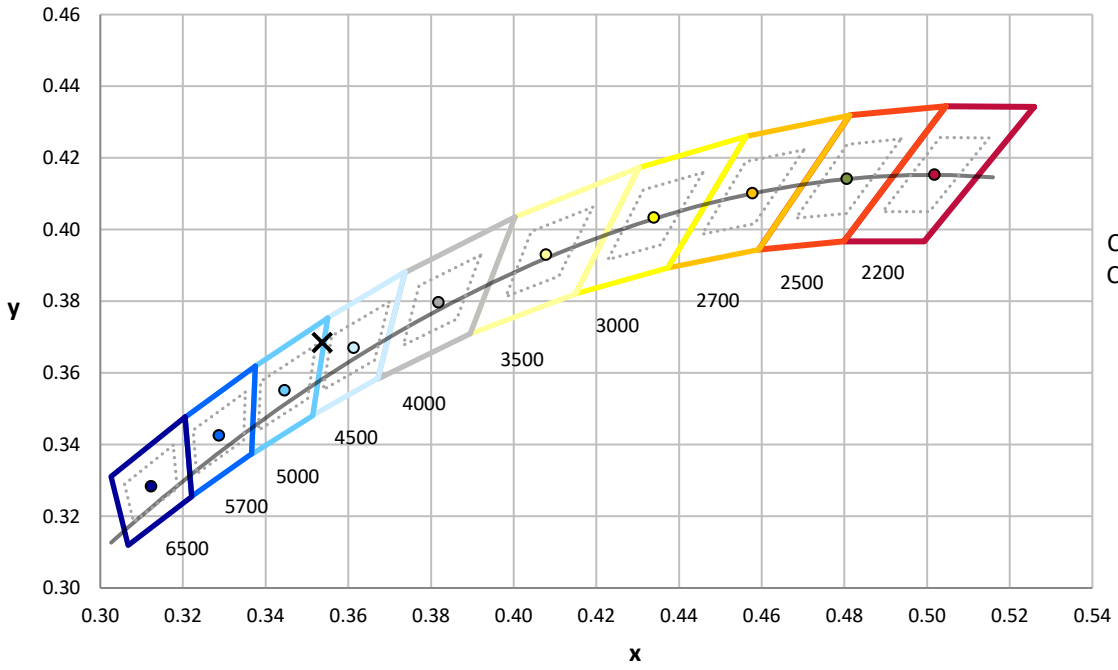
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-12

## CIE 1931 Chromaticity Diagram




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

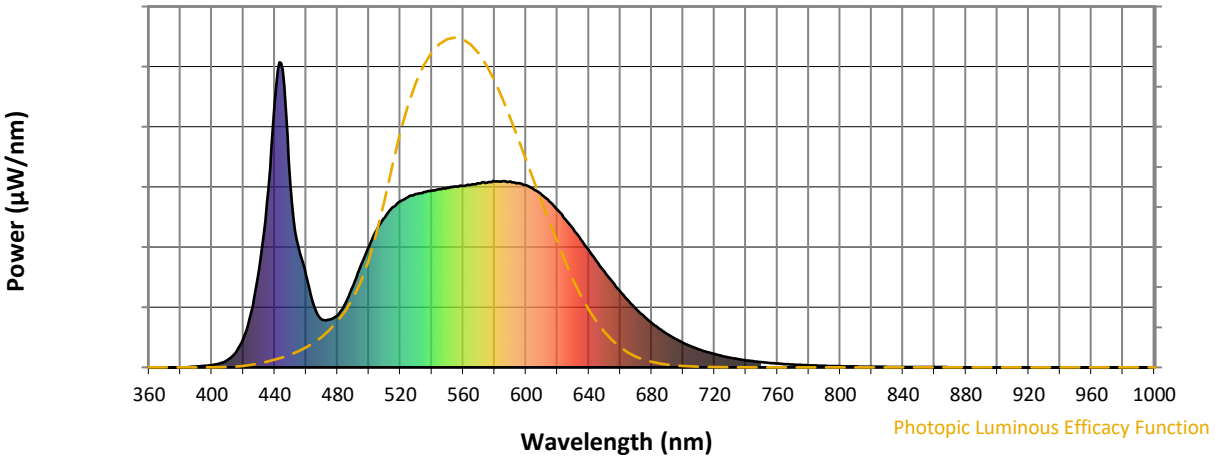



CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

## Photopic Flux vs. Wavelength

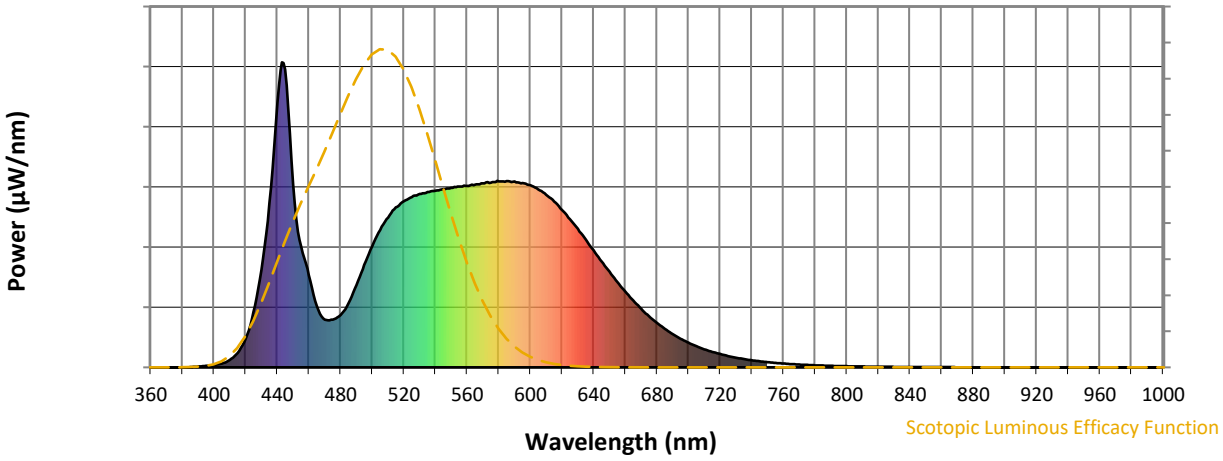



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Scotopic Flux vs. Wavelength

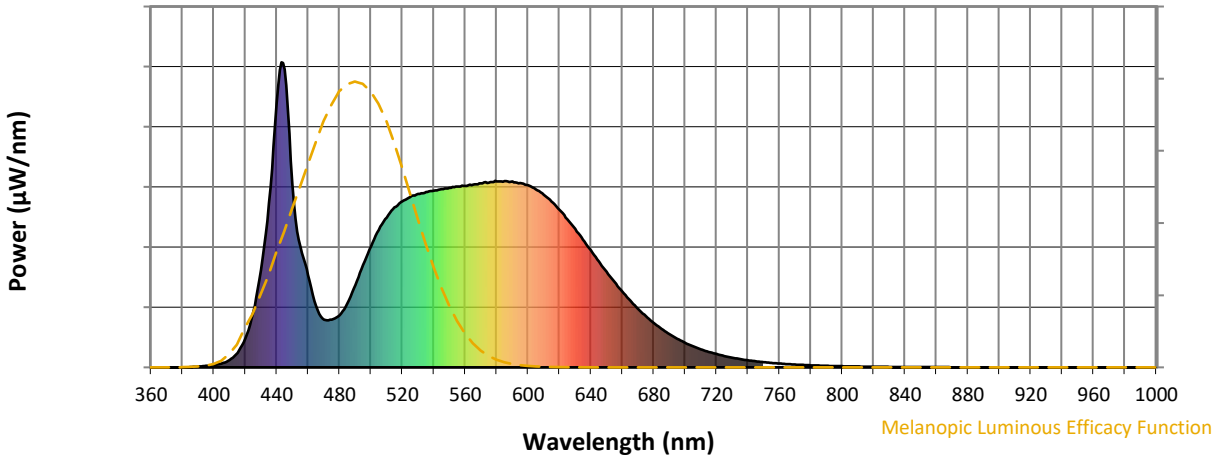



**Scotopic Lumens: NR** **S/P: 1.83**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Melanopic Flux vs. Wavelength




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

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

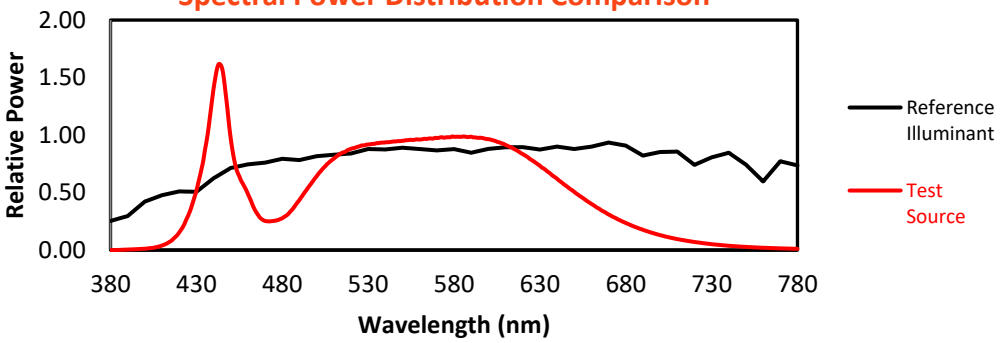
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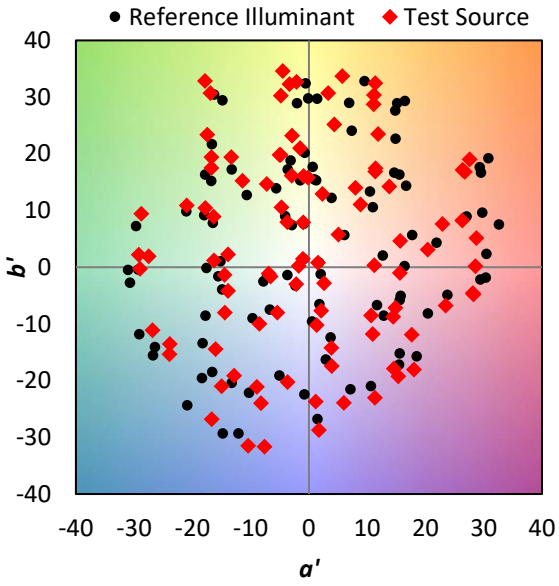
## Summary

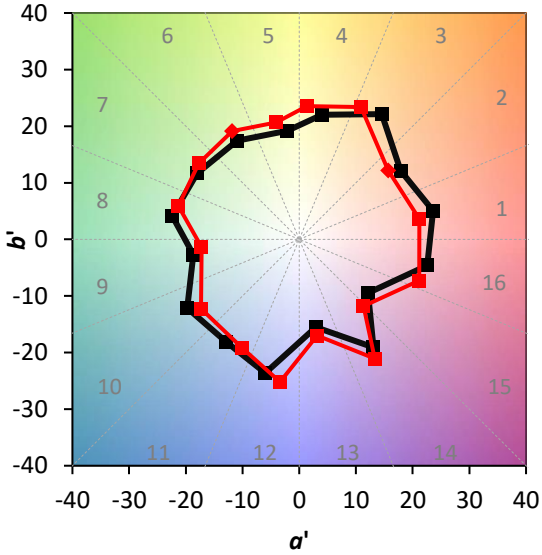
$R_f$ = 82
$R_g$ = 99.4
CIE $R_a$ = 81.1
$R_9$ = 8.7

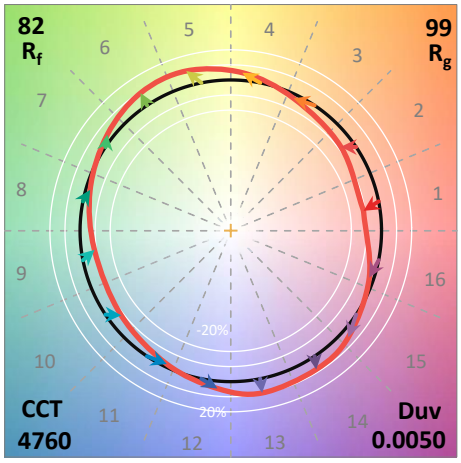
## Spectral Power Distribution Comparison

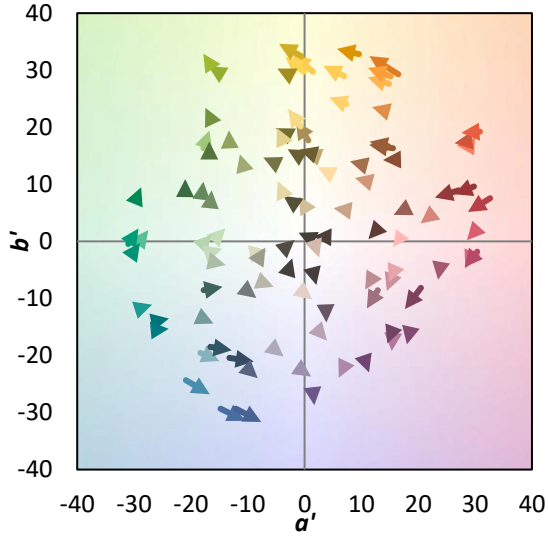



## Color Vector Graphics



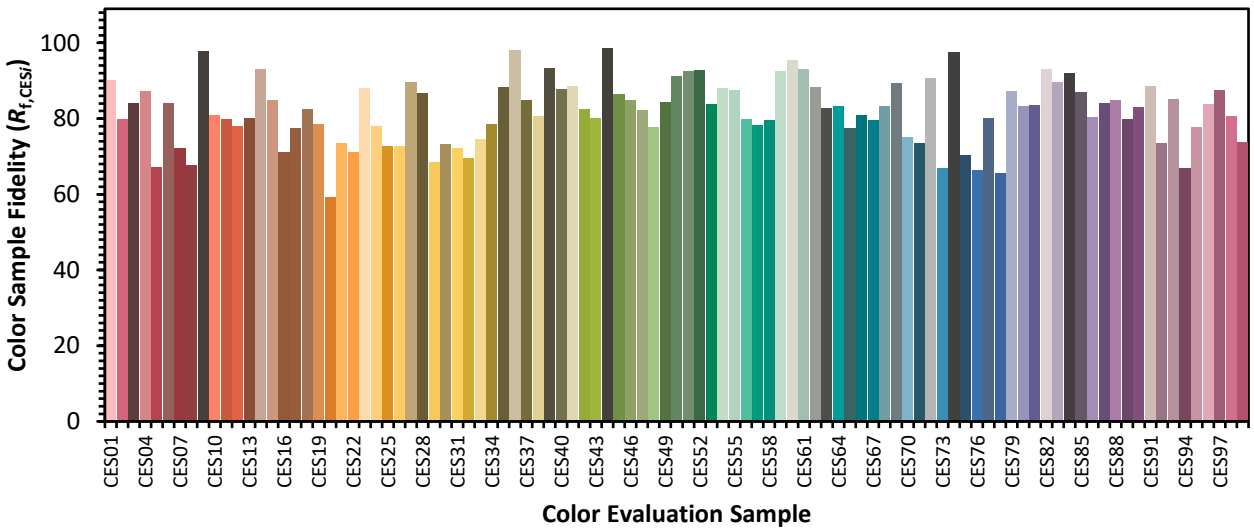



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## Individual Sample Fidelity Index ($R_{f,i}$)

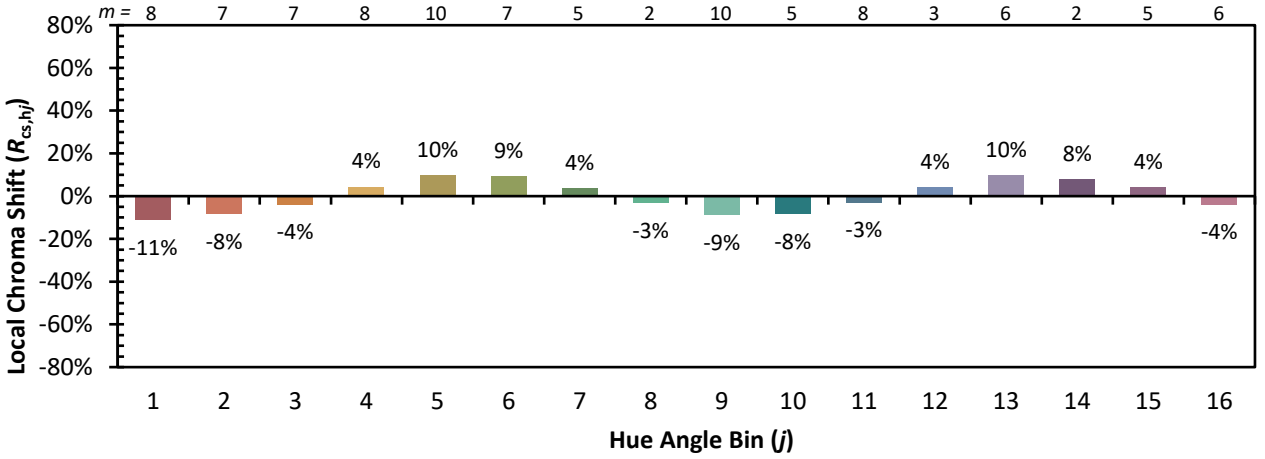
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 73 | CES51 = 92 | CES76 = 66 |
| CES02 = 60 | CES27 = 90 | CES52 = 93 | CES77 = 80 |
| CES03 = 30 | CES28 = 87 | CES53 = 84 | CES78 = 65 |
| CES04 = 69 | CES29 = 69 | CES54 = 88 | CES79 = 87 |
| CES05 = 47 | CES30 = 73 | CES55 = 88 | CES80 = 83 |
| CES06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

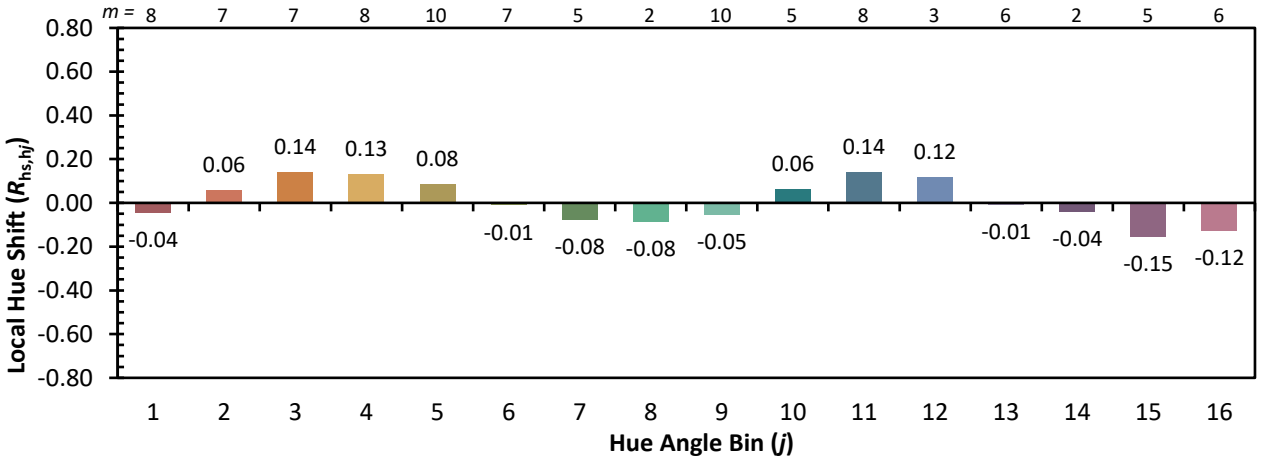


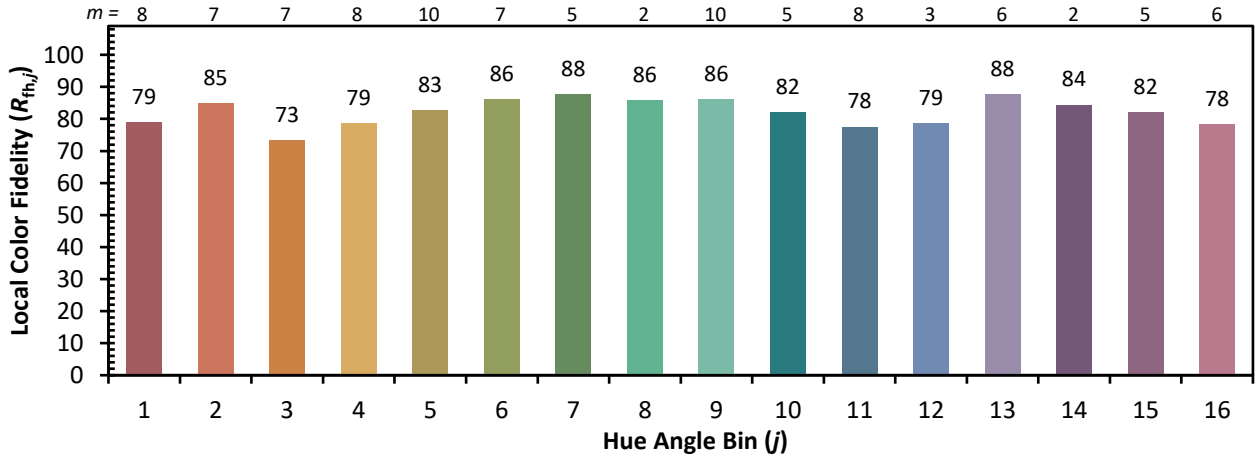
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## Color Rendition by Hue-Angle Bin



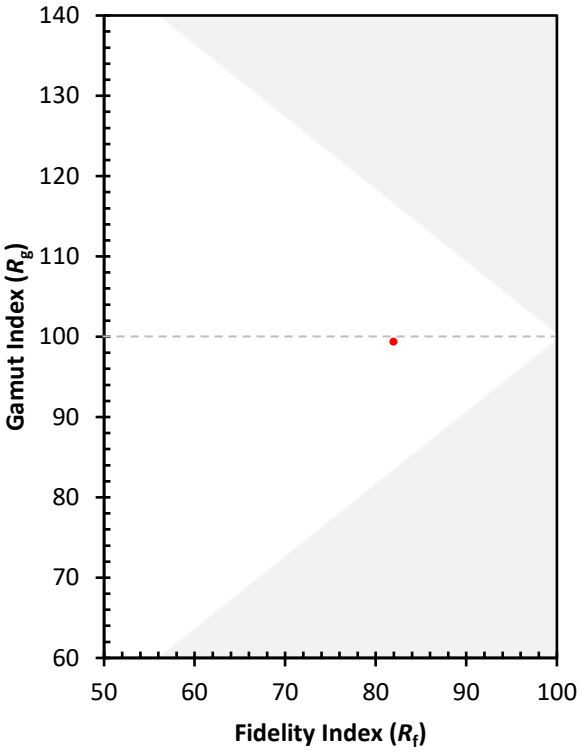



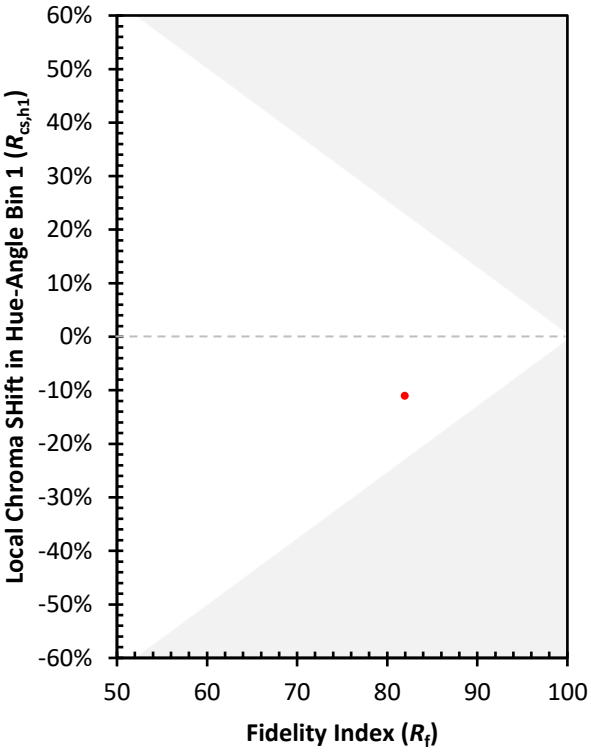



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## Measure Comparisons




(END OF REPORT)