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: P1501807

Luminaire Tested: GSS-SB1C-735-U-T2LG-HSS

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: | P1501807 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1C-735-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (26) 3500K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 5487.3 lumens |
| Efficiency: | N/A |
| Efficacy: | 105.5 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G1 |

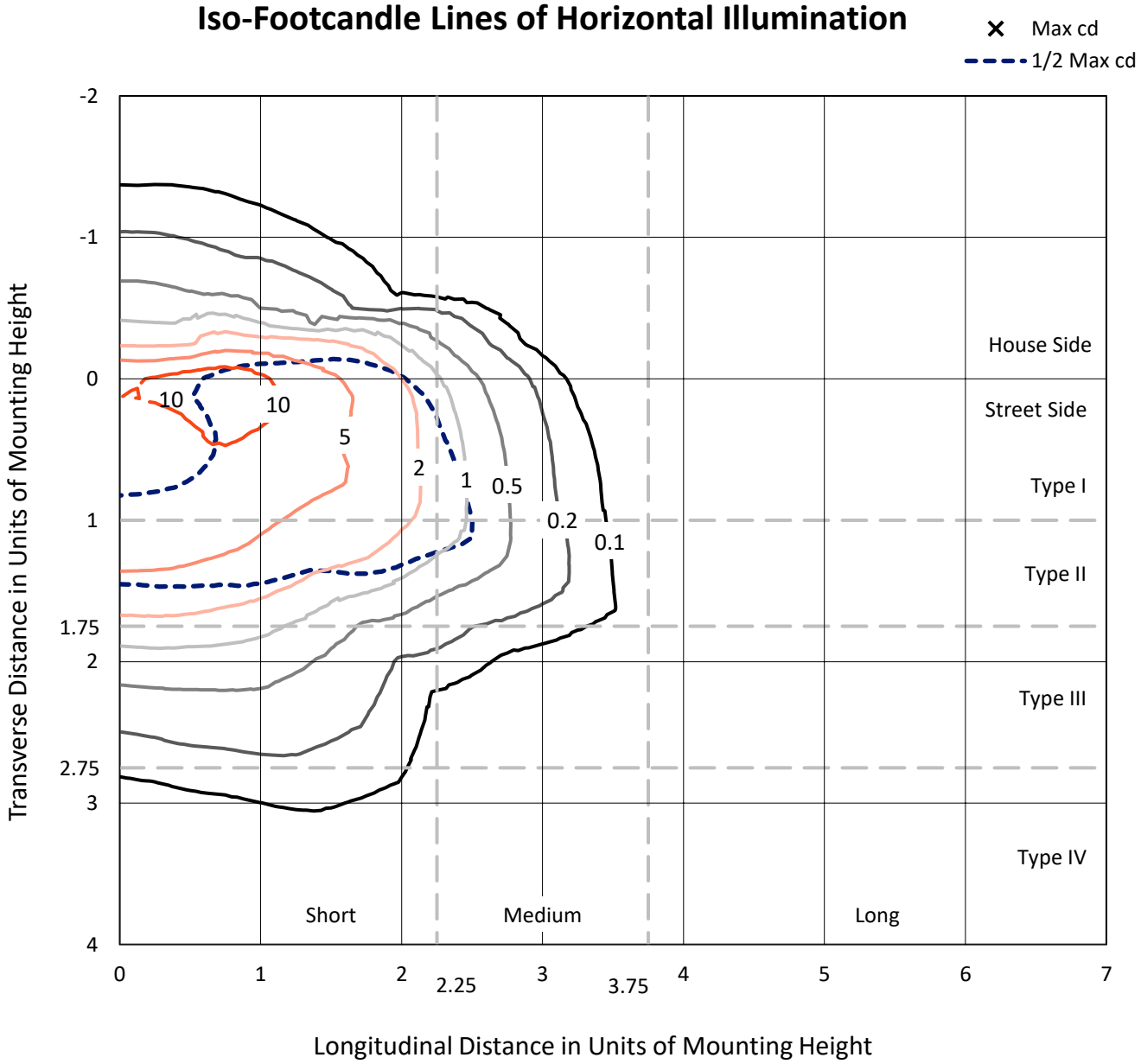
| | |
|---|---|
| Input Watts (W): | 52 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



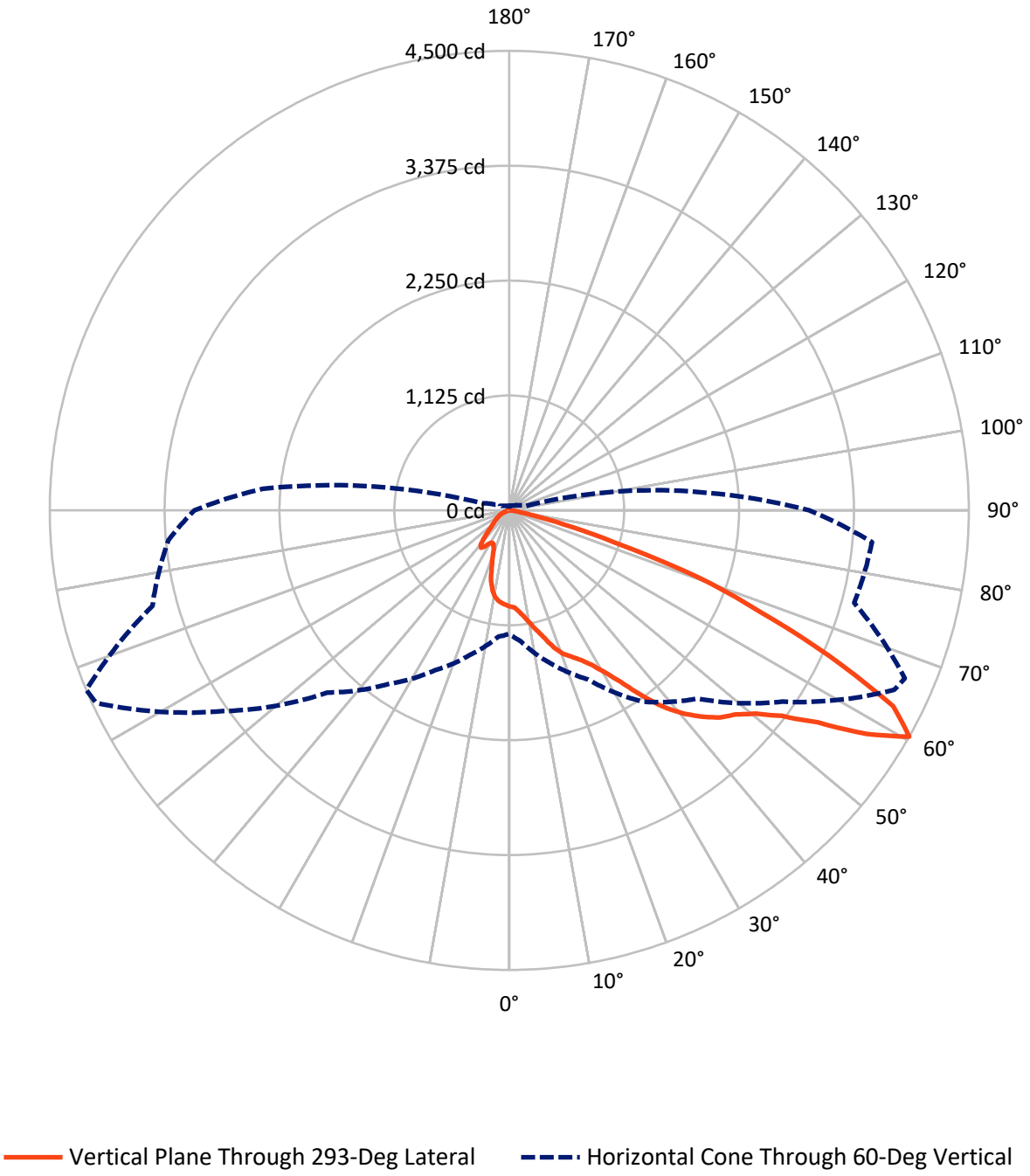

Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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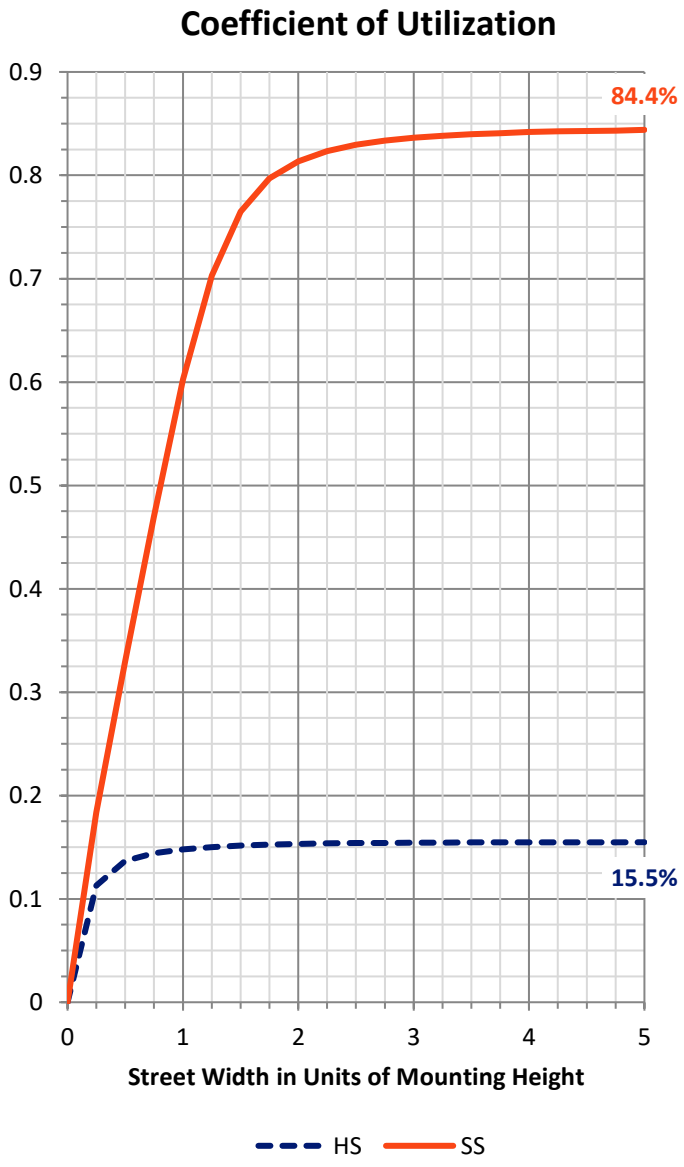
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 856.1 | 0.0 | 856.1 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 4631.2 | 0.0 | 4631.2 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 5487.3 | 0.0 | 5487.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 85.1 | 1.6 |
| 10°-20° | 214.5 | 3.9 |
| 20°-30° | 400.4 | 7.3 |
| 30°-40° | 794.0 | 14.5 |
| 40°-50° | 1265.9 | 23.1 |
| 50°-60° | 1512.5 | 27.6 |
| 60°-70° | 991.5 | 18.1 |
| 70°-80° | 207.7 | 3.8 |
| 80°-90° | 15.7 | 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° | 5487.3 | 100.0 |
| 0°-180° | 5487.3 | 100.0 |



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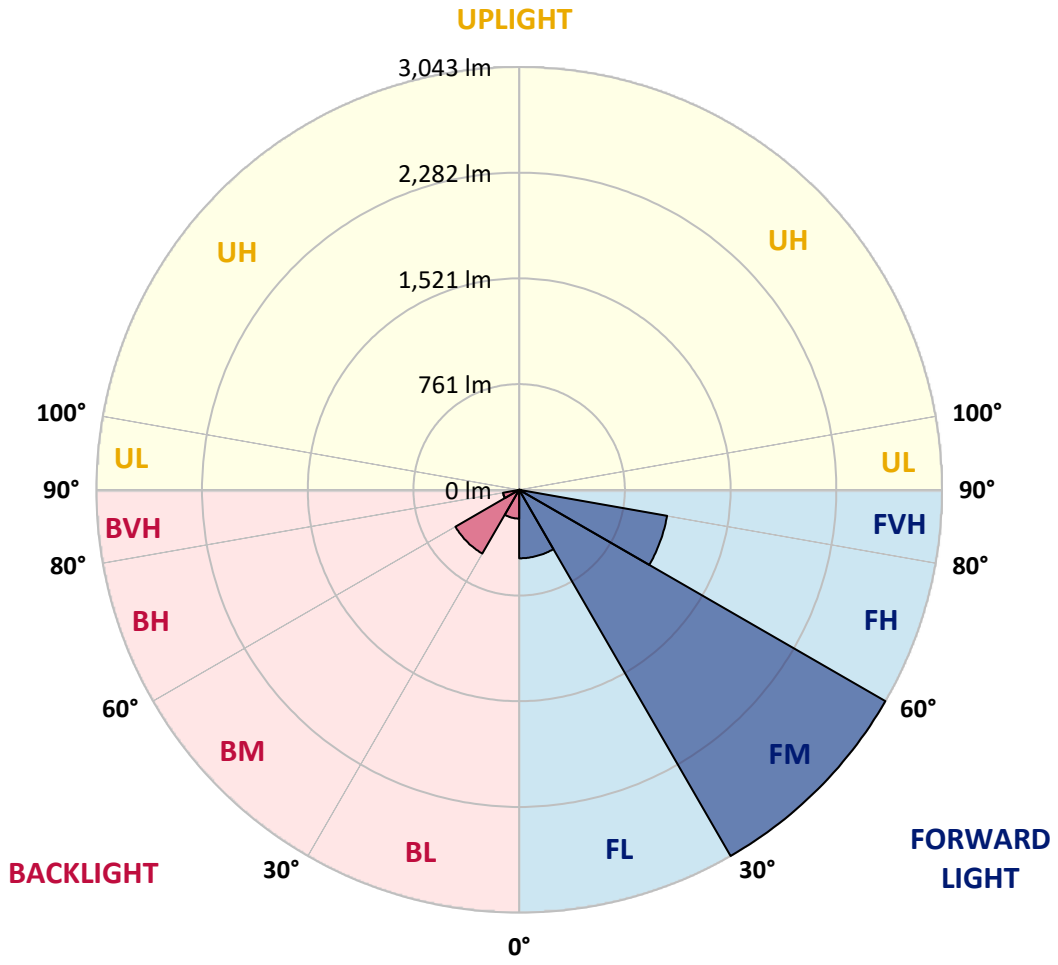
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 492.9 | 9.0 | | | |
| FM | (30°-60°) | 3042.9 | 55.5 | | | |
| FH | (60°-80°) | 1081.0 | 19.7 | | | G1/1800 |
| FVH | (80°-90°) | 14.4 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 207.1 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 529.4 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 118.3 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.3 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G1**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 |
| 2.5° | 988.1 | 985.0 | 980.4 | 982.0 | 980.4 | 974.3 | 965.1 | 957.4 | 963.5 | 954.3 | 948.2 |
| 5° | 1017.3 | 1017.3 | 1014.2 | 1014.2 | 1015.8 | 1012.7 | 1006.5 | 995.8 | 997.3 | 989.6 | 969.7 |
| 7.5° | 1017.3 | 1012.7 | 1020.4 | 1028.1 | 1041.9 | 1049.6 | 1052.6 | 1046.5 | 1049.6 | 1034.2 | 1008.1 |
| 10° | 957.4 | 954.3 | 974.3 | 1003.5 | 1043.4 | 1078.8 | 1101.8 | 1103.4 | 1108.0 | 1092.6 | 1061.9 |
| 12.5° | 829.8 | 823.7 | 863.6 | 919.0 | 1000.4 | 1081.8 | 1146.4 | 1171.0 | 1181.7 | 1175.6 | 1132.6 |
| 15° | 711.5 | 719.2 | 746.8 | 806.8 | 915.9 | 1040.4 | 1171.0 | 1252.4 | 1267.8 | 1275.5 | 1224.8 |
| 17.5° | 699.2 | 700.7 | 710.0 | 739.2 | 822.1 | 972.7 | 1174.0 | 1336.9 | 1358.5 | 1392.3 | 1323.1 |
| 20° | 733.0 | 729.9 | 739.2 | 748.4 | 788.3 | 912.8 | 1144.9 | 1418.4 | 1459.9 | 1532.1 | 1456.8 |
| 22.5° | 796.0 | 796.0 | 800.6 | 806.8 | 826.8 | 908.2 | 1132.6 | 1493.7 | 1564.4 | 1711.9 | 1624.3 |
| 25° | 902.0 | 889.8 | 892.8 | 885.1 | 902.0 | 963.5 | 1160.2 | 1553.6 | 1650.4 | 1911.7 | 1824.1 |
| 27.5° | 1066.5 | 1071.1 | 1043.4 | 1001.9 | 1011.2 | 1063.4 | 1227.8 | 1621.2 | 1739.6 | 2119.1 | 2026.9 |
| 30° | 1293.9 | 1286.2 | 1269.3 | 1187.9 | 1151.0 | 1197.1 | 1352.3 | 1731.9 | 1859.4 | 2381.9 | 2297.4 |
| 32.5° | 1472.2 | 1493.7 | 1464.5 | 1407.6 | 1350.8 | 1364.6 | 1527.5 | 1910.1 | 2005.4 | 2623.2 | 2577.1 |
| 35° | 1687.3 | 1687.3 | 1693.5 | 1613.5 | 1575.1 | 1572.1 | 1747.2 | 2103.8 | 2199.0 | 2841.4 | 2873.7 |
| 37.5° | 1977.7 | 1957.8 | 1924.0 | 1834.8 | 1805.6 | 1844.1 | 1953.2 | 2303.5 | 2406.5 | 3018.1 | 3104.2 |
| 40° | 2222.1 | 2235.9 | 2231.3 | 2102.2 | 2045.4 | 2086.9 | 2183.7 | 2474.1 | 2554.0 | 3131.8 | 3290.1 |
| 42.5° | 2461.8 | 2469.5 | 2449.5 | 2388.1 | 2305.1 | 2308.1 | 2388.1 | 2603.2 | 2684.6 | 3240.9 | 3465.3 |
| 45° | 2641.6 | 2640.1 | 2626.2 | 2610.9 | 2561.7 | 2511.0 | 2524.8 | 2746.1 | 2816.8 | 3276.3 | 3560.6 |
| 47.5° | 2698.5 | 2710.8 | 2723.1 | 2766.1 | 2799.9 | 2720.0 | 2649.3 | 2822.9 | 2887.5 | 3270.1 | 3595.9 |
| 50° | 2646.2 | 2672.3 | 2732.3 | 2796.8 | 2912.1 | 2905.9 | 2753.8 | 2905.9 | 2968.9 | 3303.9 | 3637.4 |
| 52.5° | 2529.4 | 2555.6 | 2635.5 | 2752.3 | 2925.9 | 3012.0 | 2947.4 | 3045.8 | 3119.5 | 3390.0 | 3723.5 |
| 55° | 2257.4 | 2268.2 | 2432.6 | 2586.3 | 2856.7 | 2965.9 | 3154.9 | 3282.4 | 3343.9 | 3494.5 | 3837.2 |
| 57.5° | 1837.9 | 1864.0 | 2025.4 | 2275.9 | 2663.1 | 2844.5 | 3273.2 | 3686.6 | 3685.0 | 3594.4 | 3861.8 |
| 60° | *1209.4* | *1286.2* | *1549.0* | *1825.6* | *2288.2* | *2606.3* | *3265.5* | *4159.9* | *4207.5* | *3496.0* | *3565.2* |
| 62.5° | 923.6 | 955.8 | 1104.9 | 1335.4 | 1693.5 | 2160.6 | 3214.8 | 4301.3 | 4338.1 | 3231.7 | 3121.1 |
| 65° | 694.6 | 734.5 | 877.5 | 1083.4 | 1195.6 | 1464.5 | 2882.9 | 3738.8 | 3789.5 | 2884.4 | 2426.5 |
| 67.5° | 425.7 | 457.9 | 648.5 | 889.8 | 905.1 | 909.7 | 1945.5 | 2832.2 | 2850.6 | 2326.6 | 1633.5 |
| 70° | 284.3 | 316.6 | 448.7 | 683.8 | 720.7 | 524.0 | 1068.0 | 2143.7 | 2142.2 | 1592.0 | 992.7 |
| 72.5° | 164.4 | 179.8 | 284.3 | 504.0 | 567.0 | 333.5 | 533.2 | 1363.1 | 1303.1 | 748.4 | 464.1 |
| 75° | 93.7 | 104.5 | 156.7 | 324.2 | 398.0 | 212.1 | 210.5 | 729.9 | 645.4 | 385.7 | 253.6 |
| 77.5° | 56.9 | 61.5 | 86.1 | 212.1 | 239.7 | 142.9 | 116.8 | 339.6 | 327.3 | 225.9 | 133.7 |
| 80° | 27.7 | 32.3 | 52.2 | 124.5 | 153.7 | 76.8 | 70.7 | 133.7 | 142.9 | 124.5 | 70.7 |
| 82.5° | 9.2 | 12.3 | 29.2 | 47.6 | 99.9 | 30.7 | 29.2 | 73.8 | 78.4 | 73.8 | 33.8 |
| 85° | 4.6 | 6.1 | 13.8 | 15.4 | 38.4 | 15.4 | 10.8 | 32.3 | 40.0 | 24.6 | 13.8 |
| 87.5° | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3.1 | 3.1 | 3.1 | 3.1 |
| 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° | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 |
| 2.5° | 943.5 | 940.5 | 934.3 | 923.6 | 922.0 | 914.3 | 902.0 | 894.4 | 888.2 | 892.8 | 894.4 |
| 5° | 960.4 | 952.8 | 934.3 | 905.1 | 874.4 | 843.7 | 814.5 | 780.6 | 757.6 | 754.5 | 748.4 |
| 7.5° | 991.2 | 975.8 | 935.9 | 879.0 | 800.6 | 726.9 | 640.8 | 557.8 | 516.3 | 510.2 | 496.4 |
| 10° | 1040.4 | 1014.2 | 948.2 | 832.9 | 682.3 | 528.6 | 398.0 | 308.9 | 258.2 | 248.9 | 252.0 |
| 12.5° | 1098.7 | 1061.9 | 949.7 | 754.5 | 519.4 | 327.3 | 225.9 | 192.1 | 181.3 | 176.7 | 176.7 |
| 15° | 1174.0 | 1120.3 | 948.2 | 653.1 | 350.4 | 210.5 | 181.3 | 167.5 | 162.9 | 159.8 | 159.8 |
| 17.5° | 1269.3 | 1198.6 | 937.4 | 501.0 | 236.7 | 182.9 | 166.0 | 155.2 | 149.1 | 147.5 | 147.5 |
| 20° | 1381.5 | 1286.2 | 912.8 | 373.4 | 198.2 | 170.6 | 156.7 | 142.9 | 138.3 | 135.2 | 135.2 |
| 22.5° | 1524.4 | 1392.3 | 865.2 | 290.4 | 187.5 | 162.9 | 147.5 | 132.2 | 127.5 | 124.5 | 124.5 |
| 25° | 1690.4 | 1527.5 | 802.2 | 261.2 | 185.9 | 156.7 | 138.3 | 122.9 | 118.3 | 116.8 | 115.3 |
| 27.5° | 1887.1 | 1671.9 | 743.8 | 262.8 | 189.0 | 152.1 | 129.1 | 115.3 | 110.6 | 106.0 | 107.6 |
| 30° | 2119.1 | 1821.0 | 696.1 | 281.2 | 192.1 | 147.5 | 122.9 | 110.6 | 106.0 | 99.9 | 99.9 |
| 32.5° | 2348.1 | 1996.2 | 691.5 | 315.0 | 202.8 | 144.5 | 116.8 | 104.5 | 99.9 | 95.3 | 95.3 |
| 35° | 2583.2 | 2156.0 | 717.6 | 359.6 | 224.4 | 139.8 | 109.1 | 98.3 | 93.7 | 90.7 | 89.1 |
| 37.5° | 2807.6 | 2283.6 | 742.2 | 387.3 | 212.1 | 119.9 | 99.9 | 90.7 | 86.1 | 79.9 | 79.9 |
| 40° | 2956.6 | 2352.7 | 746.8 | 365.7 | 175.2 | 107.6 | 90.7 | 81.4 | 75.3 | 72.2 | 70.7 |
| 42.5° | 3065.7 | 2397.3 | 694.6 | 296.6 | 152.1 | 98.3 | 83.0 | 73.8 | 69.2 | 66.1 | 66.1 |
| 45° | 3110.3 | 2381.9 | 605.5 | 225.9 | 139.8 | 90.7 | 75.3 | 67.6 | 64.5 | 61.5 | 61.5 |
| 47.5° | 3104.2 | 2311.2 | 514.8 | 181.3 | 127.5 | 83.0 | 70.7 | 64.5 | 61.5 | 58.4 | 56.9 |
| 50° | 3093.4 | 2245.1 | 422.6 | 161.4 | 113.7 | 78.4 | 66.1 | 61.5 | 56.9 | 53.8 | 52.2 |
| 52.5° | 3164.1 | 2223.6 | 350.4 | 147.5 | 106.0 | 75.3 | 64.5 | 58.4 | 53.8 | 50.7 | 50.7 |
| 55° | 3234.8 | 2232.8 | 275.1 | 138.3 | 98.3 | 73.8 | 63.0 | 56.9 | 52.2 | 47.6 | 47.6 |
| 57.5° | 3230.2 | 2192.9 | 209.0 | 129.1 | 92.2 | 72.2 | 61.5 | 55.3 | 47.6 | 44.6 | 44.6 |
| 60° | *2936.7* | *1956.2* | *162.9* | *118.3* | *84.5* | *67.6* | *56.9* | *52.2* | *44.6* | *40.0* | *40.0* |
| 62.5° | 2483.3 | 1538.2 | 133.7 | 104.5 | 75.3 | 61.5 | 52.2 | 47.6 | 40.0 | 32.3 | 32.3 |
| 65° | 1834.8 | 1109.5 | 107.6 | 90.7 | 69.2 | 53.8 | 47.6 | 41.5 | 32.3 | 26.1 | 24.6 |
| 67.5° | 1241.7 | 682.3 | 86.1 | 75.3 | 61.5 | 46.1 | 40.0 | 35.3 | 29.2 | 21.5 | 20.0 |
| 70° | 736.1 | 362.7 | 63.0 | 52.2 | 46.1 | 33.8 | 33.8 | 30.7 | 24.6 | 18.4 | 16.9 |
| 72.5° | 350.4 | 126.0 | 46.1 | 38.4 | 35.3 | 24.6 | 26.1 | 26.1 | 20.0 | 13.8 | 12.3 |
| 75° | 178.3 | 61.5 | 30.7 | 27.7 | 23.1 | 18.4 | 21.5 | 20.0 | 13.8 | 9.2 | 9.2 |
| 77.5° | 101.4 | 43.0 | 21.5 | 18.4 | 15.4 | 12.3 | 13.8 | 12.3 | 7.7 | 4.6 | 4.6 |
| 80° | 56.9 | 30.7 | 13.8 | 12.3 | 9.2 | 7.7 | 7.7 | 6.1 | 4.6 | 1.5 | 1.5 |
| 82.5° | 21.5 | 18.4 | 9.2 | 6.1 | 4.6 | 4.6 | 3.1 | 3.1 | 1.5 | 0.0 | 0.0 |
| 85° | 9.2 | 4.6 | 4.6 | 3.1 | 3.1 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.5 | 1.5 | 1.5 | 1.5 | 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° | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 |
| 2.5° | 882.1 | 885.1 | 888.2 | 900.5 | 903.6 | 912.8 | 920.5 | 929.7 | 931.2 | 943.5 | 943.5 |
| 5° | 760.7 | 759.1 | 785.3 | 823.7 | 848.3 | 882.1 | 908.2 | 935.9 | 951.2 | 971.2 | 980.4 |
| 7.5° | 504.0 | 542.5 | 600.9 | 668.5 | 756.1 | 837.5 | 899.0 | 952.8 | 989.6 | 1012.7 | 1021.9 |
| 10° | 250.5 | 272.0 | 333.5 | 444.1 | 593.2 | 759.1 | 889.8 | 989.6 | 1049.6 | 1075.7 | 1092.6 |
| 12.5° | 176.7 | 181.3 | 192.1 | 252.0 | 394.9 | 630.1 | 860.6 | 1029.6 | 1112.6 | 1161.8 | 1183.3 |
| 15° | 158.3 | 161.4 | 166.0 | 182.9 | 244.3 | 470.2 | 808.3 | 1074.2 | 1210.9 | 1267.8 | 1295.4 |
| 17.5° | 146.0 | 147.5 | 152.1 | 166.0 | 192.1 | 319.6 | 723.8 | 1121.8 | 1329.3 | 1398.4 | 1450.7 |
| 20° | 135.2 | 135.2 | 139.8 | 156.7 | 178.3 | 245.9 | 602.4 | 1175.6 | 1479.9 | 1579.7 | 1632.0 |
| 22.5° | 122.9 | 126.0 | 129.1 | 147.5 | 173.6 | 224.4 | 488.7 | 1217.1 | 1647.4 | 1768.8 | 1830.2 |
| 25° | 113.7 | 116.8 | 119.9 | 138.3 | 169.0 | 224.4 | 422.6 | 1243.2 | 1834.8 | 1979.3 | 2063.8 |
| 27.5° | 106.0 | 109.1 | 113.7 | 132.2 | 164.4 | 233.6 | 396.5 | 1250.9 | 2039.2 | 2226.7 | 2340.4 |
| 30° | 99.9 | 103.0 | 107.6 | 127.5 | 167.5 | 244.3 | 405.7 | 1240.1 | 2246.7 | 2481.8 | 2617.0 |
| 32.5° | 93.7 | 96.8 | 101.4 | 122.9 | 167.5 | 258.2 | 436.4 | 1218.6 | 2448.0 | 2736.9 | 2902.8 |
| 35° | 89.1 | 90.7 | 92.2 | 110.6 | 152.1 | 256.6 | 474.8 | 1197.1 | 2650.8 | 2988.9 | 3182.5 |
| 37.5° | 79.9 | 81.4 | 84.5 | 95.3 | 121.4 | 233.6 | 482.5 | 1171.0 | 2810.6 | 3201.0 | 3414.6 |
| 40° | 70.7 | 73.8 | 76.8 | 87.6 | 101.4 | 189.0 | 448.7 | 1115.7 | 2895.2 | 3363.9 | 3623.6 |
| 42.5° | 64.5 | 66.1 | 69.2 | 79.9 | 93.7 | 150.6 | 376.5 | 1018.8 | 2970.5 | 3474.5 | 3775.7 |
| 45° | 59.9 | 61.5 | 64.5 | 72.2 | 87.6 | 130.6 | 296.6 | 900.5 | 2976.6 | 3509.8 | 3849.5 |
| 47.5° | 55.3 | 56.9 | 58.4 | 66.1 | 84.5 | 116.8 | 227.4 | 792.9 | 2975.1 | 3556.0 | 3912.5 |
| 50° | 52.2 | 53.8 | 56.9 | 63.0 | 79.9 | 104.5 | 187.5 | 705.4 | 3039.6 | 3655.8 | 4040.0 |
| 52.5° | 50.7 | 50.7 | 55.3 | 61.5 | 75.3 | 95.3 | 156.7 | 627.0 | 3073.4 | 3754.2 | 4132.2 |
| 55° | 47.6 | 49.2 | 52.2 | 58.4 | 70.7 | 90.7 | 133.7 | 528.6 | 3088.8 | 3803.4 | 4149.1 |
| 57.5° | 44.6 | 46.1 | 50.7 | 55.3 | 67.6 | 86.1 | 115.3 | 394.9 | 2869.0 | 3546.7 | 3866.4 |
| 60° | *40.0* | *43.0* | *49.2* | *53.8* | *63.0* | *78.4* | *101.4* | *267.4* | *2420.3* | *3082.6* | *3350.0* |
| 62.5° | 32.3 | 38.4 | 44.6 | 47.6 | 56.9 | 66.1 | 86.1 | 178.3 | 1933.2 | 2550.9 | 2855.2 |
| 65° | 24.6 | 32.3 | 36.9 | 41.5 | 47.6 | 55.3 | 72.2 | 121.4 | 1289.3 | 1716.5 | 2059.2 |
| 67.5° | 21.5 | 27.7 | 30.7 | 33.8 | 40.0 | 47.6 | 58.4 | 84.5 | 782.2 | 1031.1 | 1369.2 |
| 70° | 16.9 | 23.1 | 26.1 | 24.6 | 30.7 | 36.9 | 41.5 | 56.9 | 399.5 | 559.4 | 779.1 |
| 72.5° | 12.3 | 18.4 | 20.0 | 20.0 | 18.4 | 26.1 | 30.7 | 40.0 | 173.6 | 272.0 | 353.4 |
| 75° | 9.2 | 12.3 | 13.8 | 12.3 | 10.8 | 16.9 | 21.5 | 26.1 | 113.7 | 162.9 | 205.9 |
| 77.5° | 4.6 | 4.6 | 7.7 | 7.7 | 4.6 | 9.2 | 10.8 | 15.4 | 64.5 | 95.3 | 118.3 |
| 80° | 1.5 | 0.0 | 0.0 | 1.5 | 0.0 | 3.1 | 4.6 | 7.7 | 33.8 | 50.7 | 73.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 16.9 | 15.4 | 38.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 9.2 |
| 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: P1501807
CATALOG NUMBER: GSS-SB1C-735-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 940.5 | *940.5* | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 | 940.5 |
| 2.5° | 951.2 | *951.2* | 957.4 | 966.6 | 971.2 | 974.3 | 975.8 | 978.9 | 991.2 | 988.1 |
| 5° | 991.2 | *994.3* | 998.9 | 1008.1 | 1018.8 | 1015.8 | 1015.8 | 1015.8 | 1023.5 | 1017.3 |
| 7.5° | 1043.4 | *1052.6* | 1054.2 | 1064.9 | 1057.3 | 1041.9 | 1032.7 | 1018.8 | 1017.3 | 1017.3 |
| 10° | 1127.9 | *1124.9* | 1124.9 | 1111.0 | 1083.4 | 1038.8 | 998.9 | 971.2 | 955.8 | 957.4 |
| 12.5° | 1218.6 | *1206.3* | 1207.9 | 1157.1 | 1078.8 | 980.4 | 899.0 | 839.0 | 834.4 | 829.8 |
| 15° | 1330.8 | *1298.5* | 1292.4 | 1175.6 | 1009.6 | 859.0 | 779.1 | 731.5 | 716.1 | 711.5 |
| 17.5° | 1490.6 | *1409.2* | 1380.0 | 1143.3 | 919.0 | 783.7 | 723.8 | 702.3 | 700.7 | 699.2 |
| 20° | 1659.6 | *1498.3* | 1443.0 | 1095.7 | 888.2 | 785.3 | 740.7 | 734.5 | 731.5 | 733.0 |
| 22.5° | 1856.3 | *1555.2* | 1484.5 | 1103.4 | 915.9 | 836.0 | 800.6 | 796.0 | 792.9 | 796.0 |
| 25° | 2059.2 | *1621.2* | 1533.6 | 1164.8 | 998.9 | 929.7 | 888.2 | 879.0 | 888.2 | 902.0 |
| 27.5° | 2263.6 | *1710.4* | 1630.5 | 1286.2 | 1132.6 | 1057.3 | 1017.3 | 1051.1 | 1064.9 | 1066.5 |
| 30° | 2444.9 | *1834.8* | 1761.1 | 1456.8 | 1284.7 | 1209.4 | 1217.1 | 1260.1 | 1277.0 | 1293.9 |
| 32.5° | 2610.9 | *2000.8* | 1943.9 | 1650.4 | 1481.4 | 1436.8 | 1432.2 | 1464.5 | 1482.9 | 1472.2 |
| 35° | 2778.4 | *2217.5* | 2162.2 | 1861.0 | 1722.7 | 1685.8 | 1647.4 | 1710.4 | 1704.2 | 1687.3 |
| 37.5° | 2936.7 | *2435.7* | 2385.0 | 2086.9 | 1943.9 | 1879.4 | 1873.3 | 1930.1 | 1980.8 | 1977.7 |
| 40° | 3050.4 | *2612.4* | 2550.9 | 2311.2 | 2176.0 | 2120.7 | 2152.9 | 2251.3 | 2239.0 | 2222.1 |
| 42.5° | 3154.9 | *2763.0* | 2707.7 | 2507.9 | 2366.5 | 2391.1 | 2420.3 | 2486.4 | 2478.7 | 2461.8 |
| 45° | 3204.0 | *2892.1* | 2844.5 | 2657.0 | 2587.8 | 2666.2 | 2664.7 | 2689.2 | 2647.8 | 2641.6 |
| 47.5° | 3273.2 | *2984.3* | 2935.1 | 2790.7 | 2852.1 | 2884.4 | 2793.7 | 2767.6 | 2729.2 | 2698.5 |
| 50° | 3400.7 | *3127.2* | 3078.0 | 2993.5 | 3045.8 | 2945.9 | 2835.2 | 2778.4 | 2700.0 | 2646.2 |
| 52.5° | 3549.8 | *3343.9* | 3300.9 | 3267.0 | 3121.1 | 2915.1 | 2773.8 | 2670.8 | 2575.5 | 2529.4 |
| 55° | 3737.3 | *3663.5* | 3632.8 | 3446.8 | 3053.4 | 2789.1 | 2623.2 | 2431.1 | 2300.5 | 2257.4 |
| 57.5° | 3798.8 | *4132.2* | 4121.5 | 3476.0 | 2864.4 | 2560.2 | 2260.5 | 2000.8 | 1865.6 | 1837.9 |
| 60° | *3617.4* | *4499.5* | *4461.1* | *3426.9* | *2521.7* | *2077.6* | *1727.3* | *1461.4* | *1241.7* | *1209.4* |
| 62.5° | 3385.4 | *4218.3* | 4204.4 | 3179.5 | 1920.9 | 1489.1 | 1290.8 | 1041.9 | 948.2 | 923.6 |
| 65° | 2899.8 | *3451.5* | 3457.6 | 2550.9 | 1215.5 | 1069.6 | 1060.3 | 828.3 | 713.0 | 694.6 |
| 67.5° | 2232.8 | *2647.8* | 2604.7 | 1604.3 | 708.4 | 855.9 | 846.7 | 605.5 | 438.0 | 425.7 |
| 70° | 1304.7 | *1971.6* | 1902.4 | 834.4 | 468.7 | 714.6 | 651.6 | 425.7 | 298.1 | 284.3 |
| 72.5° | 576.3 | *1084.9* | 1164.8 | 367.3 | 330.4 | 568.6 | 470.2 | 261.2 | 167.5 | 164.4 |
| 75° | 319.6 | *537.8* | 562.4 | 159.8 | 232.0 | 404.2 | 284.3 | 146.0 | 95.3 | 93.7 |
| 77.5° | 192.1 | *238.2* | 232.0 | 103.0 | 173.6 | 258.2 | 172.1 | 83.0 | 59.9 | 56.9 |
| 80° | 107.6 | *109.1* | 92.2 | 75.3 | 103.0 | 144.5 | 96.8 | 52.2 | 27.7 | 27.7 |
| 82.5° | 66.1 | *59.9* | 47.6 | 23.1 | 27.7 | 87.6 | 35.3 | 29.2 | 9.2 | 9.2 |
| 85° | 27.7 | *18.4* | 12.3 | 4.6 | 10.8 | 23.1 | 12.3 | 13.8 | 4.6 | 4.6 |
| 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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

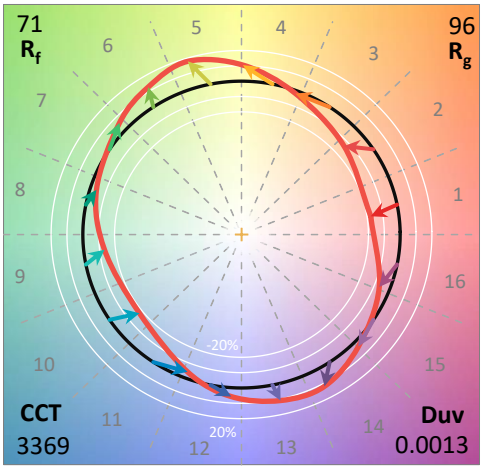
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-5 |
| 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-735-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3369 |
| CIE u': | 0.2386 |
| CIE v': | 0.5156 |
| Duv: | 0.0013 |
| CIE x: | 0.4143 |
| CIE y: | 0.3980 |
| CIE z: | 0.1877 |
| Peak Wavelength (nm): | 590 |
| Dominant Wavelength (nm): | 580 |
| Purity: | 43.80166 |
| Rf: | 71.4 |
| Rg: | 96 |

| | |
|---|---|
| CRI (Ra): | 70.1 |
| R1: | 66.6 |
| R2: | 77.6 |
| R3: | 88.5 |
| R4: | 69.5 |
| R5: | 66.4 |
| R6: | 69.6 |
| R7: | 77.5 |
| R8: | 44.9 |
| R9: | -40.2 |
| R10: | 49.1 |
| R11: | 66.3 |
| R12: | 45.7 |
| R13: | 68.0 |
| R14: | 93.4 |
| R15: | 57.6 |




## Test Conditions

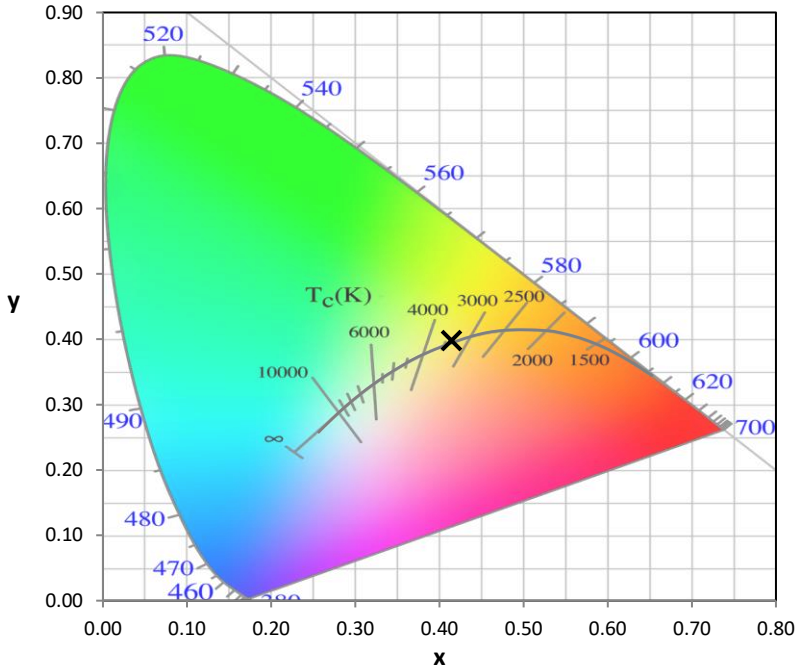
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-5

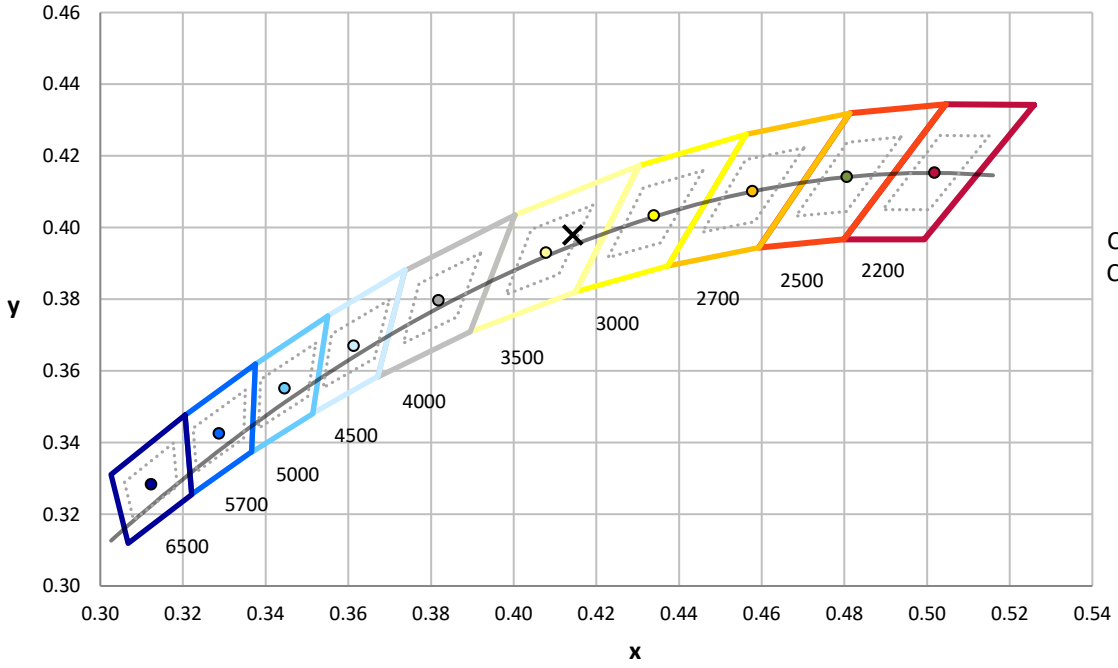
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-5

## CIE 1931 Chromaticity Diagram




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

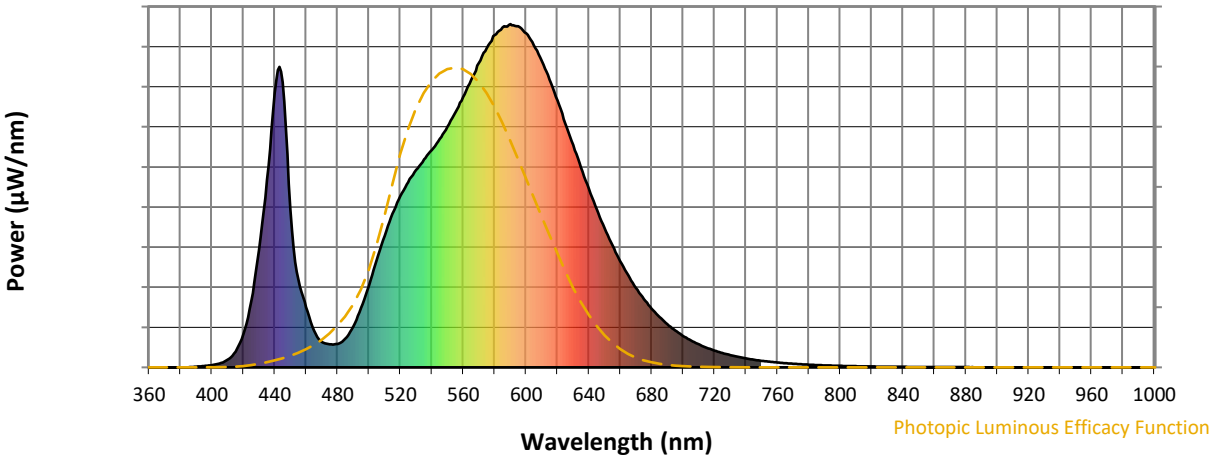



CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

## Photopic Flux vs. Wavelength

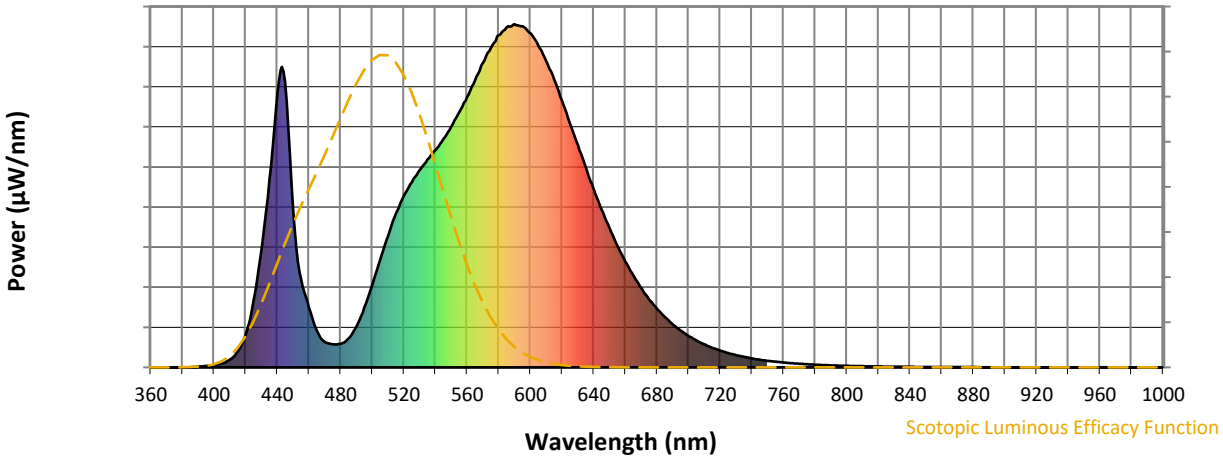



## Photopic Lumens: NR

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Scotopic Flux vs. Wavelength

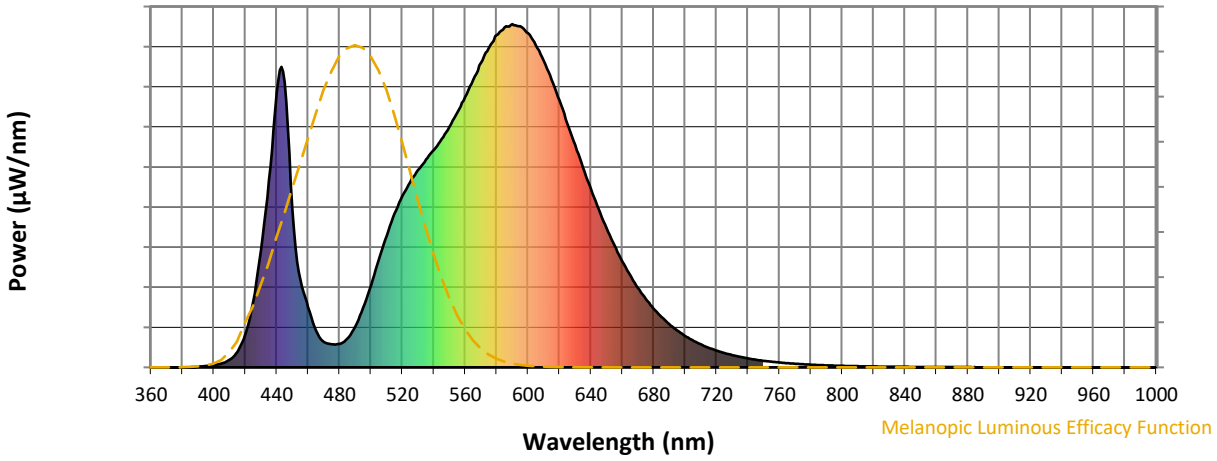



**Scotopic Lumens: NR** **S/P: 1.29**

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.36**

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

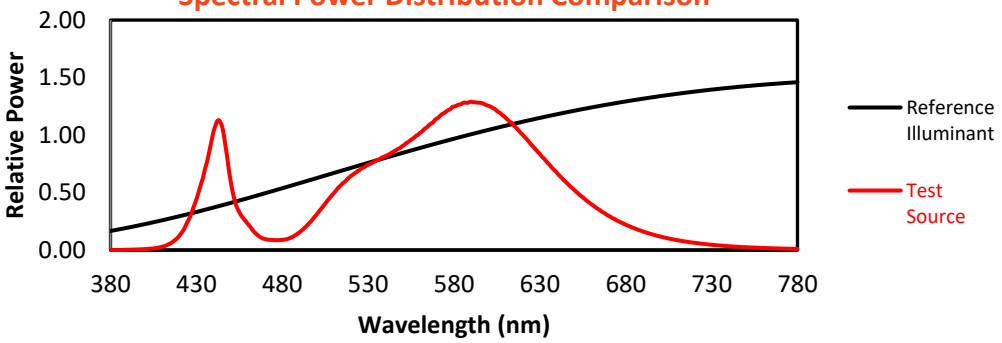
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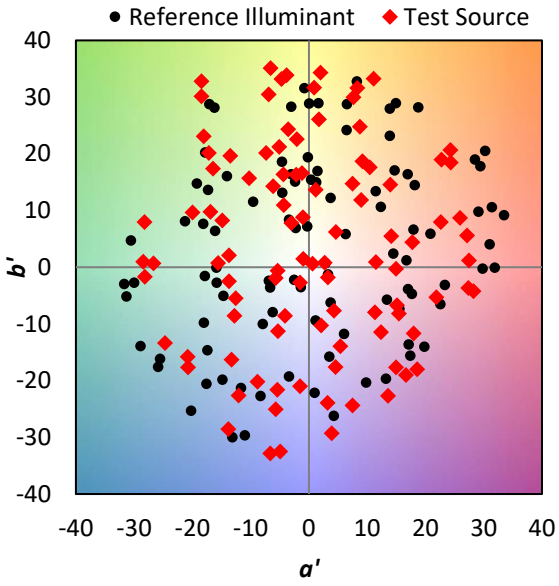
## Summary

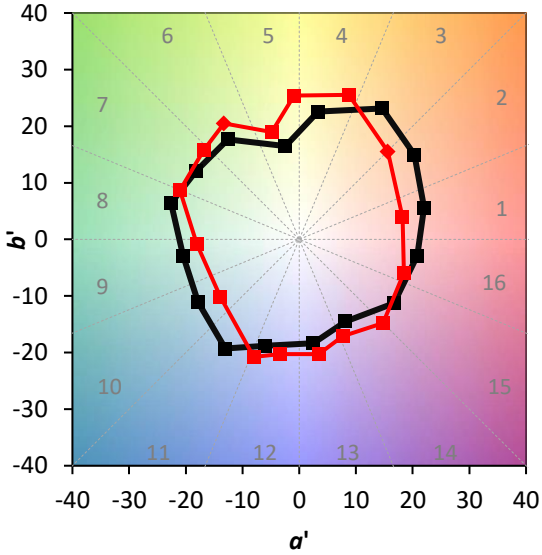
$R_f$ = 71.4
$R_g$ = 96
CIE $R_a$ = 70.1
$R_9$ = -40.2

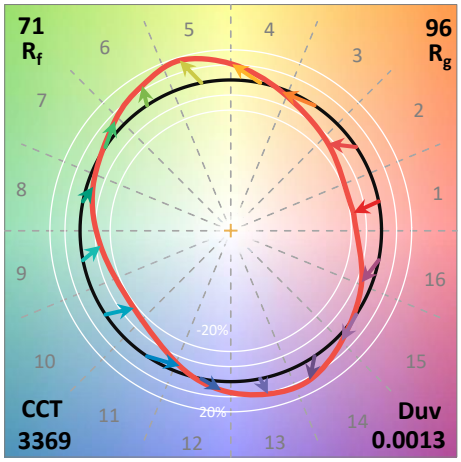
## Spectral Power Distribution Comparison

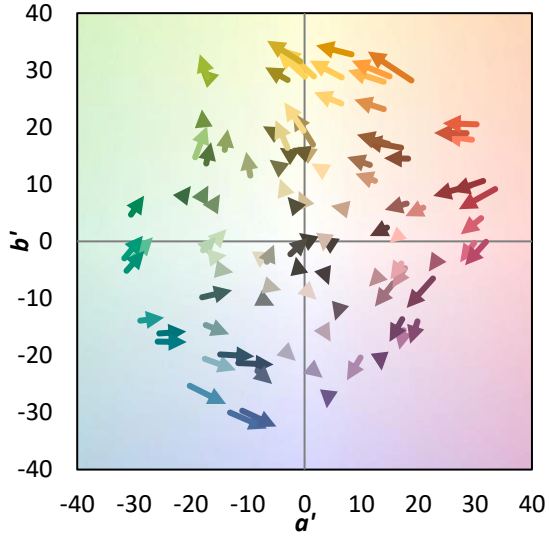



## Color Vector Graphics



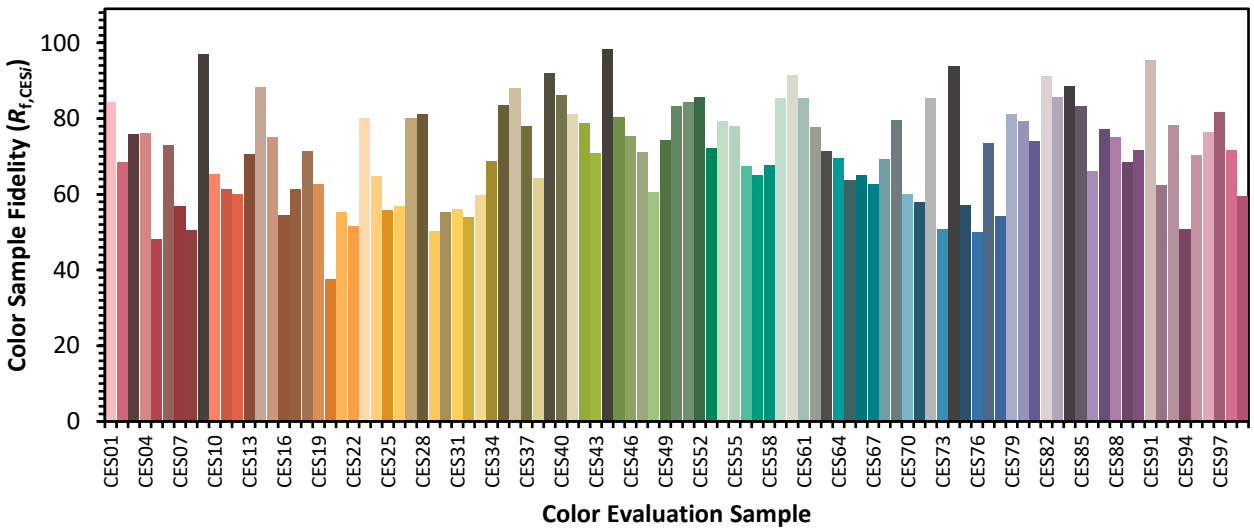



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**Individual Sample Fidelity Index ($R_{f,i}$)**

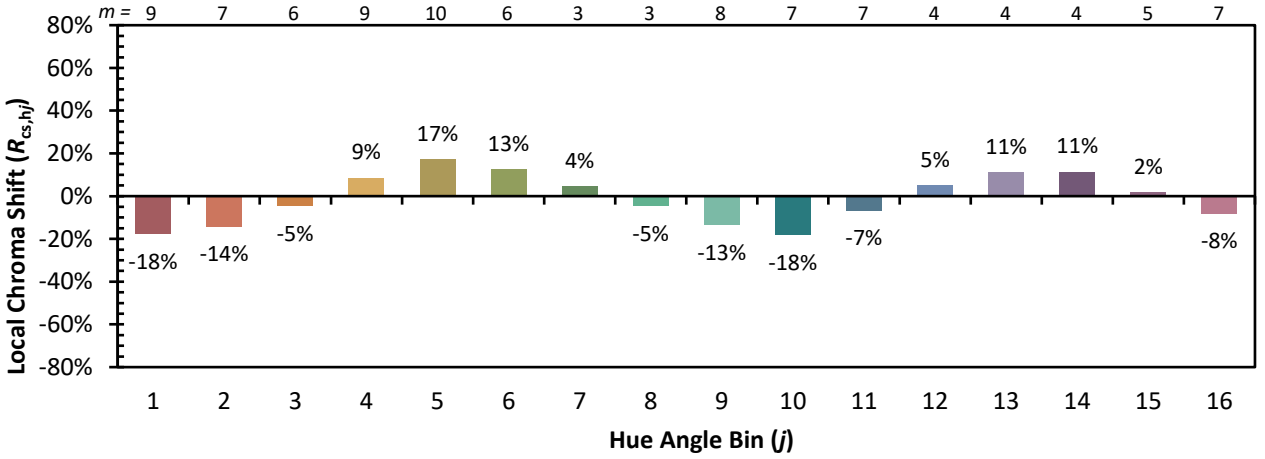
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 57 | CES51 = 84 | CES76 = 50 |
| CES02 = 62 | CES27 = 80 | CES52 = 86 | CES77 = 74 |
| CES03 = 31 | CES28 = 81 | CES53 = 72 | CES78 = 54 |
| CES04 = 70 | CES29 = 50 | CES54 = 79 | CES79 = 81 |
| CES05 = 48 | CES30 = 55 | CES55 = 78 | CES80 = 79 |
| CES06 = 51 | CES31 = 56 | CES56 = 67 | CES81 = 74 |
| CES07 = 40 | CES32 = 54 | CES57 = 65 | CES82 = 91 |
| CES08 = 39 | CES33 = 60 | CES58 = 68 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 85 | CES84 = 89 |
| CES10 = 75 | CES35 = 83 | CES60 = 91 | CES85 = 83 |
| CES11 = 58 | CES36 = 88 | CES61 = 85 | CES86 = 66 |
| CES12 = 64 | CES37 = 78 | CES62 = 78 | CES87 = 77 |
| CES13 = 43 | CES38 = 64 | CES63 = 71 | CES88 = 75 |
| CES14 = 74 | CES39 = 92 | CES64 = 70 | CES89 = 68 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 72 |
| CES16 = 47 | CES41 = 81 | CES66 = 65 | CES91 = 95 |
| CES17 = 50 | CES42 = 79 | CES67 = 63 | CES92 = 62 |
| CES18 = 56 | CES43 = 71 | CES68 = 69 | CES93 = 78 |
| CES19 = 72 | CES44 = 98 | CES69 = 80 | CES94 = 51 |
| CES20 = 65 | CES45 = 80 | CES70 = 60 | CES95 = 70 |
| CES21 = 87 | CES46 = 75 | CES71 = 58 | CES96 = 76 |
| CES22 = 79 | CES47 = 71 | CES72 = 85 | CES97 = 82 |
| CES23 = 92 | CES48 = 61 | CES73 = 51 | CES98 = 72 |
| CES24 = 91 | CES49 = 74 | CES74 = 94 | CES99 = 60 |
| CES25 = 72 | CES50 = 83 | CES75 = 57 | |

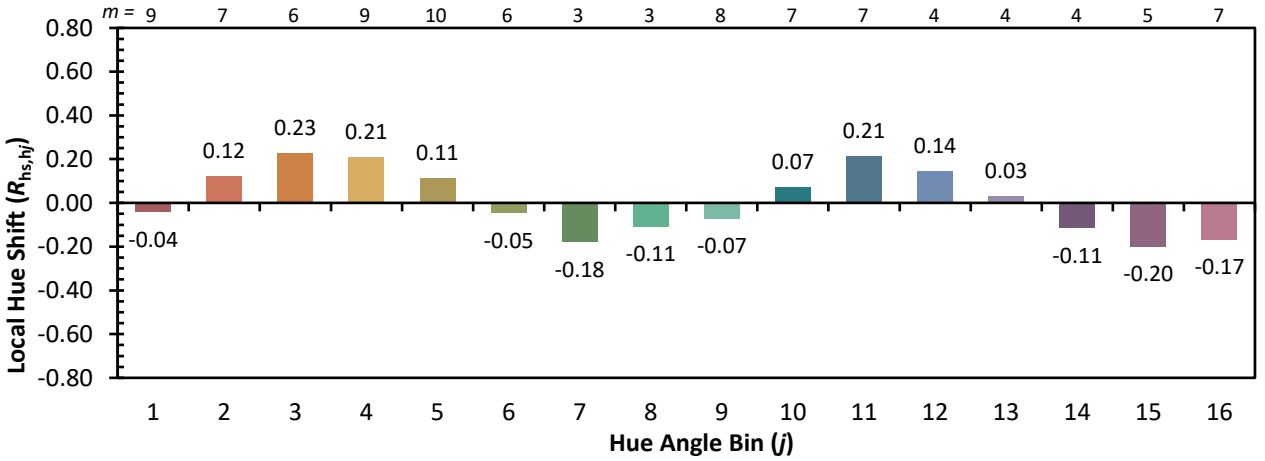


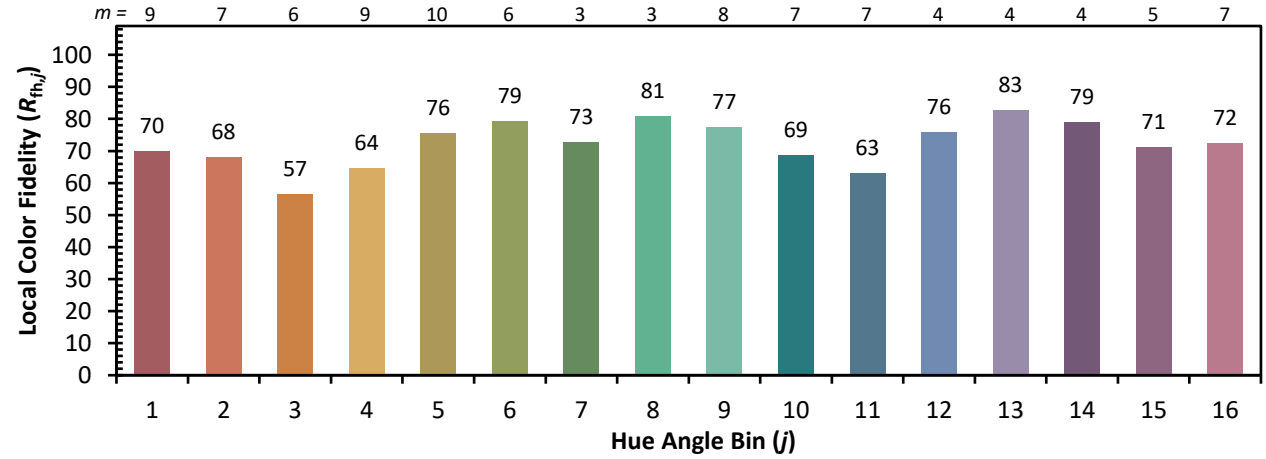
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## Color Rendition by Hue-Angle Bin



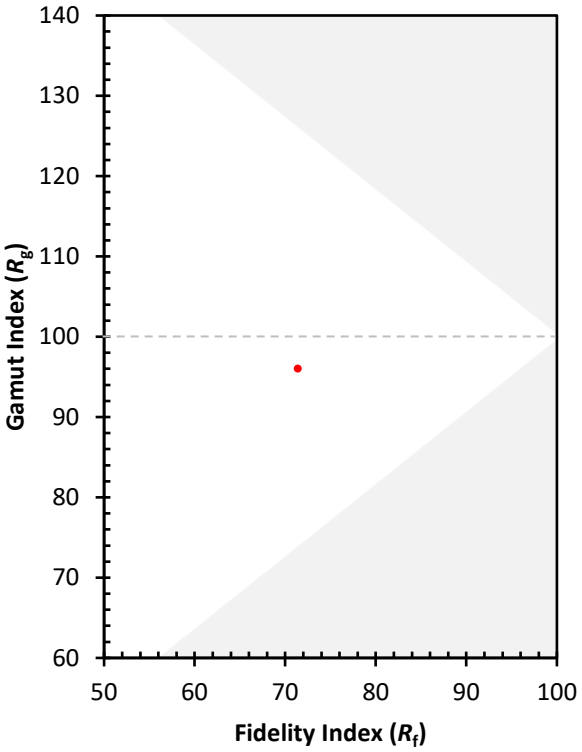



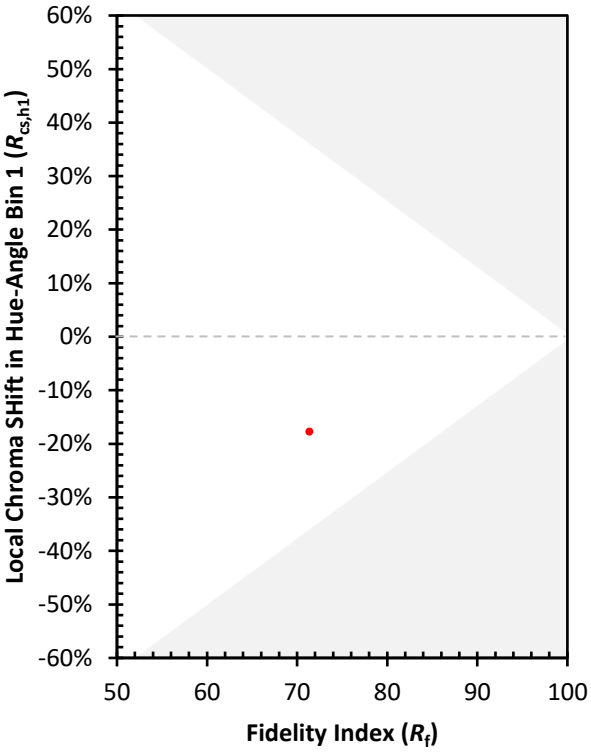



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## Measure Comparisons




(END OF REPORT)