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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365335

Luminaire Tested: **GSS-SB5A-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365335 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5A-727-U-SLL-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (130) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 15266.5 lumens |
| Efficiency: | N/A |
| Efficacy: | 106.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B2 - U0 - G3 |

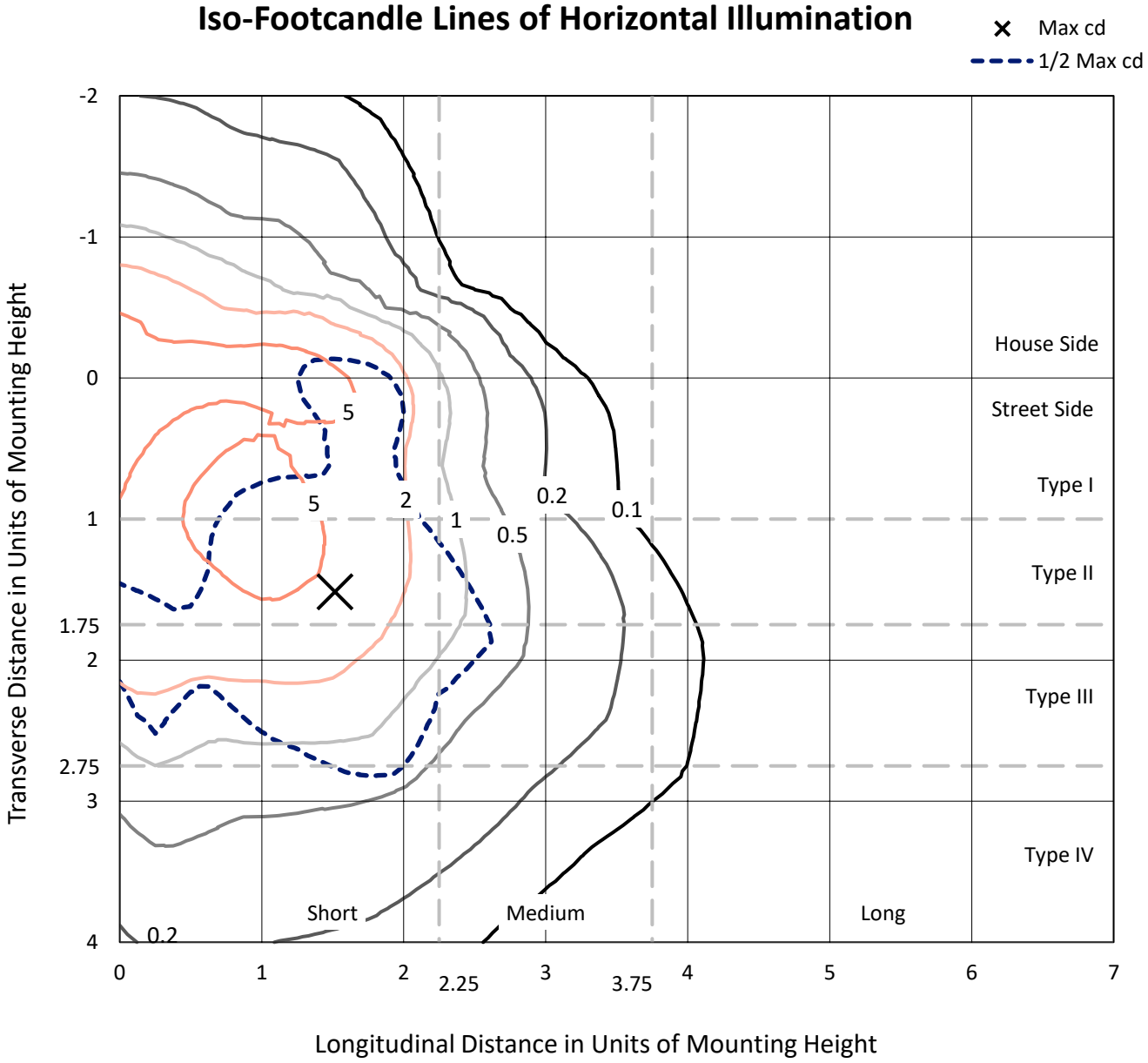
| | |
|---|---|
| Input Watts (W): | 143 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



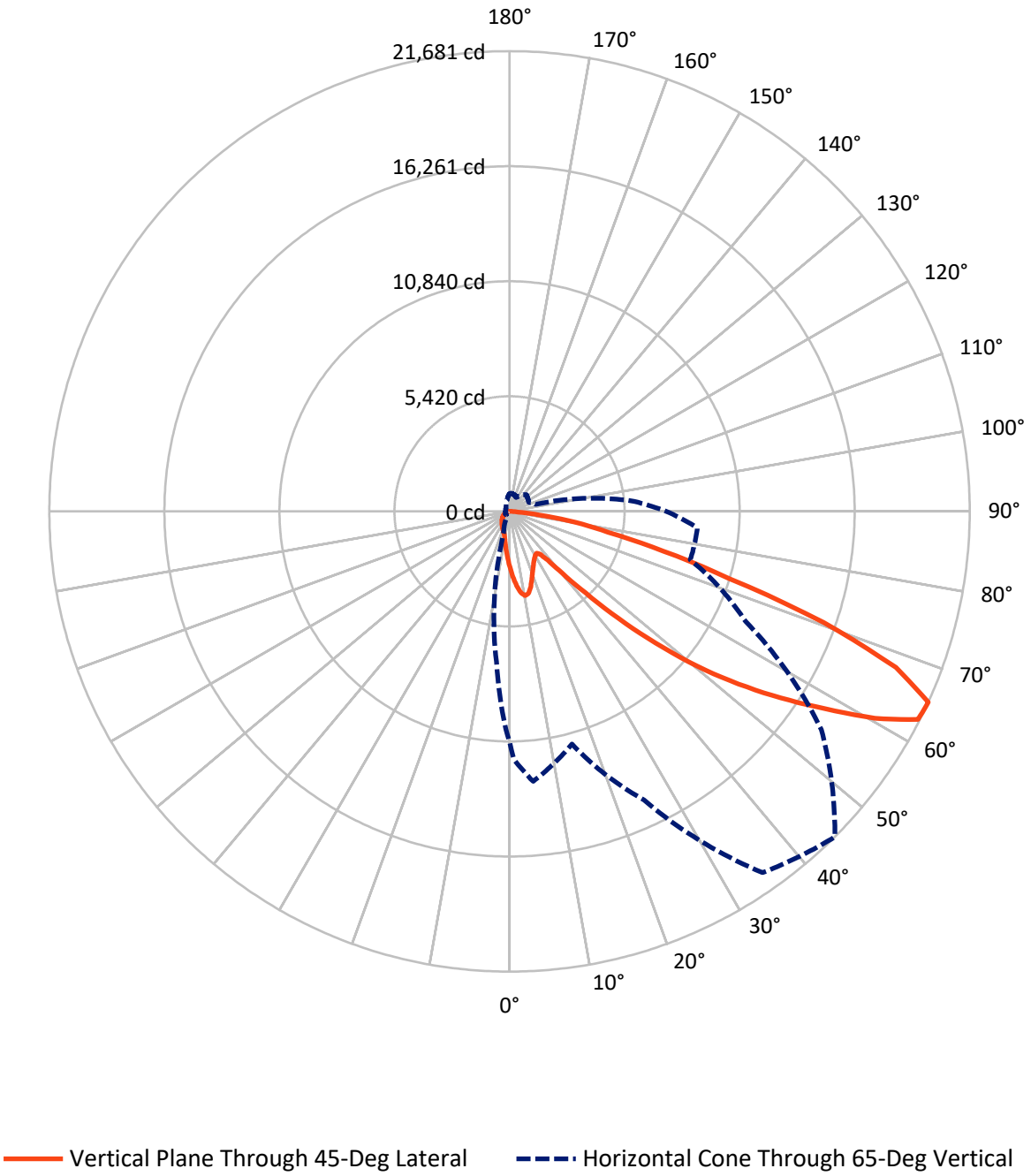

Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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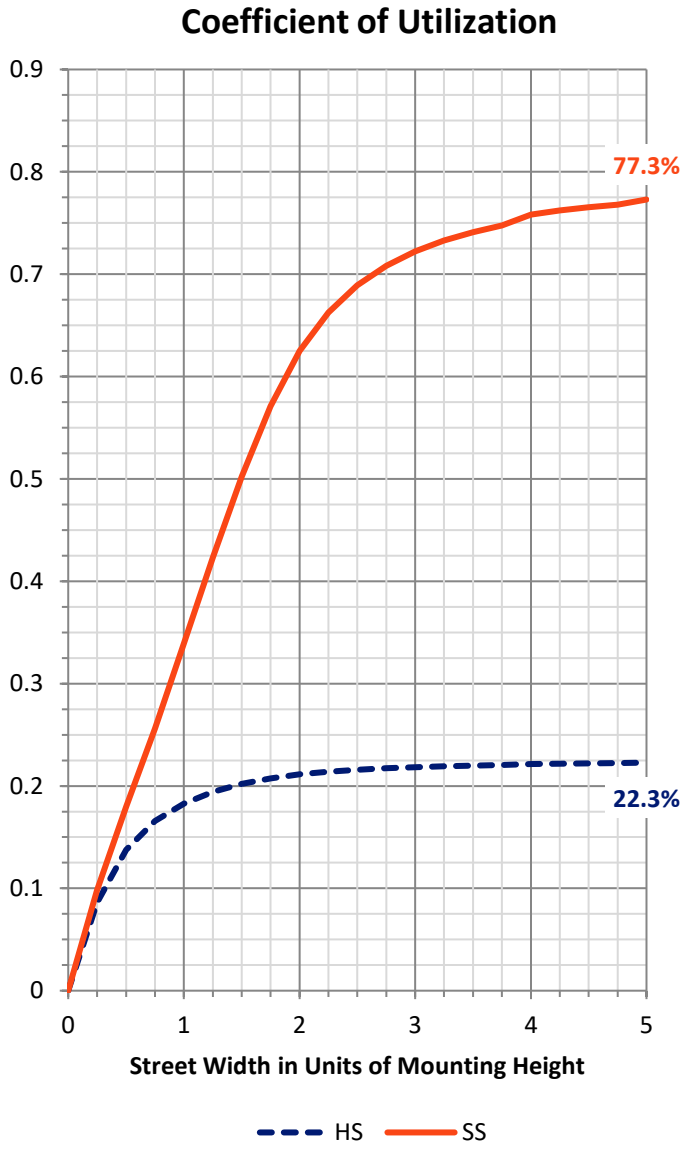
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3434.2 | 0.0 | 3434.2 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| **Street Side** | Lumens | 11832.3 | 0.0 | 11832.3 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| **Total** | Lumens | 15266.5 | 0.0 | 15266.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 253.5 | 1.7 |
| 10°-20° | 701.0 | 4.6 |
| 20°-30° | 1004.1 | 6.6 |
| 30°-40° | 1259.5 | 8.3 |
| 40°-50° | 2069.0 | 13.6 |
| 50°-60° | 3735.7 | 24.5 |
| 60°-70° | 4147.2 | 27.2 |
| 70°-80° | 1874.6 | 12.3 |
| 80°-90° | 221.9 | 1.5 |
| 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° | 15266.5 | 100.0 |
| 0°-180° | 15266.5 | 100.0 |



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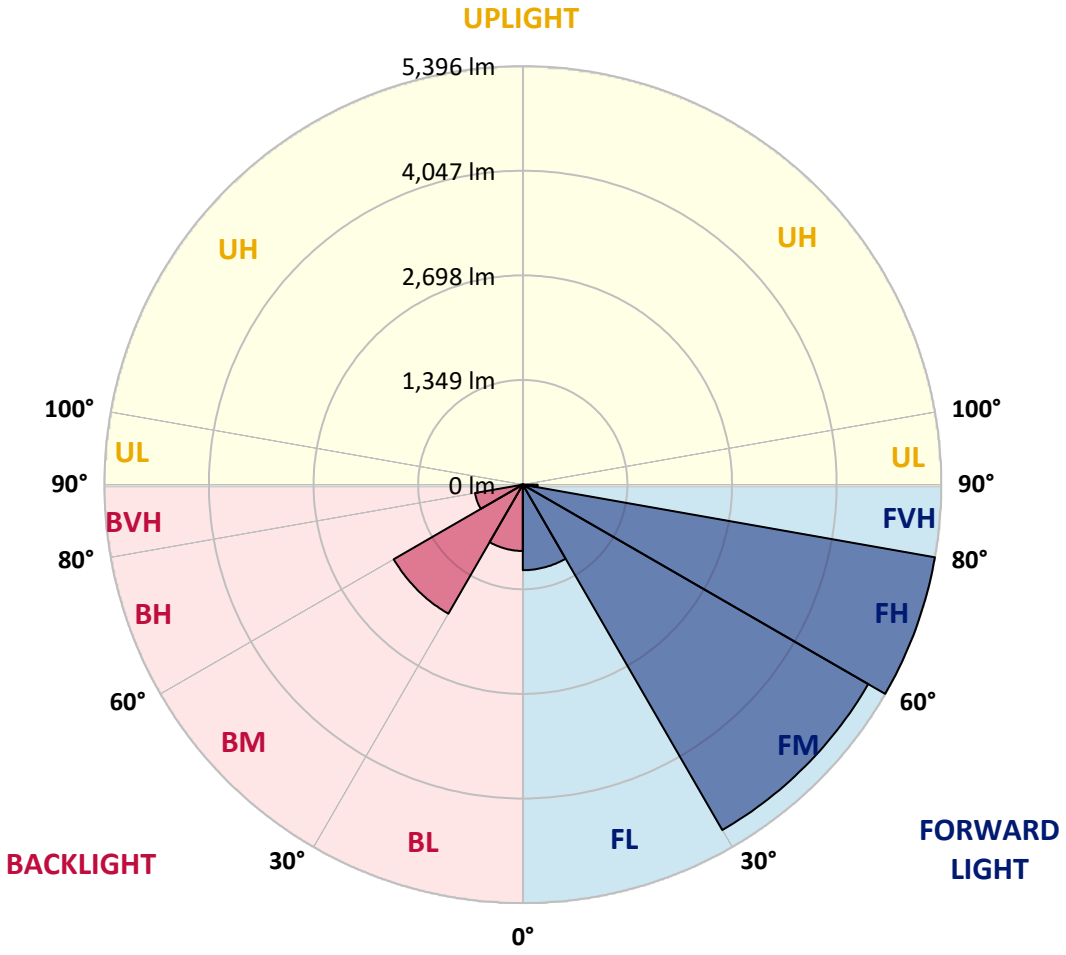
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1102.9 | 7.2 | | | |
| FM | (30°-60°) | 5142.7 | 33.7 | | | |
| FH | (60°-80°) | 5396.2 | 35.3 | | | G3/7500 |
| FVH | (80°-90°) | 190.5 | 1.2 | | | G2/225 |
| BL | (0°-30°) | 855.8 | 5.6 | B2/1000 | | |
| BM | (30°-60°) | 1921.5 | 12.6 | B2/2500 | | |
| BH | (60°-80°) | 625.5 | 4.1 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 31.4 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G3**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 |
| 2.5° | 2904.5 | 2942.0 | 2937.3 | 2988.8 | 3035.7 | 3068.5 | 3096.6 | 3087.2 | 3063.8 | 3016.9 | 2984.1 |
| 5° | 3209.0 | 3237.1 | 3284.0 | 3382.3 | 3457.3 | 3522.9 | 3513.5 | 3522.9 | 3452.6 | 3382.3 | 3298.0 |
| 7.5° | 3471.3 | 3504.1 | 3569.7 | 3710.3 | 3804.0 | 3883.6 | 3874.2 | 3846.1 | 3766.5 | 3649.4 | 3522.9 |
| 10° | 3635.3 | 3658.7 | 3729.0 | 3888.3 | 3996.0 | 4061.6 | 4038.2 | 3991.3 | 3888.3 | 3771.2 | 3621.3 |
| 12.5° | 3705.6 | 3733.7 | 3794.6 | 3921.1 | 3991.3 | 3977.3 | 3967.9 | 3958.6 | 3907.0 | 3818.0 | 3682.2 |
| 15° | 3714.9 | 3733.7 | 3780.5 | 3836.8 | 3808.6 | 3729.0 | 3710.3 | 3780.5 | 3846.1 | 3827.4 | 3714.9 |
| 17.5° | 3714.9 | 3743.1 | 3752.4 | 3696.2 | 3551.0 | 3405.8 | 3387.0 | 3504.1 | 3686.8 | 3832.1 | 3766.5 |
| 20° | 3729.0 | 3743.1 | 3724.3 | 3541.6 | 3269.9 | 3110.6 | 3077.8 | 3223.1 | 3494.8 | 3780.5 | 3818.0 |
| 22.5° | 3747.7 | 3761.8 | 3682.2 | 3358.9 | 3040.4 | 2871.7 | 2853.0 | 2960.7 | 3279.3 | 3705.6 | 3874.2 |
| 25° | 3785.2 | 3775.9 | 3654.0 | 3199.6 | 2838.9 | 2679.6 | 2651.5 | 2792.1 | 3101.3 | 3630.6 | 3967.9 |
| 27.5° | 3832.1 | 3789.9 | 3616.6 | 3068.5 | 2693.7 | 2525.0 | 2506.3 | 2642.2 | 2951.3 | 3536.9 | 4047.6 |
| 30° | 3893.0 | 3850.8 | 3611.9 | 2965.4 | 2585.9 | 2417.3 | 2393.9 | 2543.8 | 2848.3 | 3471.3 | 4160.0 |
| 32.5° | 3977.3 | 3916.4 | 3616.6 | 2885.8 | 2525.0 | 2365.8 | 2351.7 | 2511.0 | 2806.1 | 3433.9 | 4277.1 |
| 35° | 4089.7 | 4000.7 | 3635.3 | 2857.7 | 2543.8 | 2436.0 | 2468.8 | 2590.6 | 2848.3 | 3462.0 | 4469.2 |
| 37.5° | 4230.3 | 4145.9 | 3729.0 | 2918.6 | 2749.9 | 2824.9 | 2909.2 | 2956.0 | 3049.7 | 3593.1 | 4778.4 |
| 40° | 4464.5 | 4347.4 | 3869.5 | 3115.3 | 3302.7 | 3654.0 | 3818.0 | 3799.3 | 3583.8 | 3893.0 | 5214.0 |
| 42.5° | 4792.4 | 4684.7 | 4155.3 | 3616.6 | 4225.6 | 4970.4 | 5246.8 | 5087.6 | 4436.4 | 4370.8 | 5930.8 |
| 45° | 5293.7 | 5115.7 | 4539.5 | 4361.4 | 5340.5 | 6563.2 | 7186.3 | 6638.2 | 5518.6 | 5125.0 | 6952.1 |
| 47.5° | 5935.5 | 5757.5 | 5139.1 | 5106.3 | 6586.7 | 8530.8 | 9271.0 | 8193.5 | 6591.3 | 6113.5 | 8174.8 |
| 50° | 6966.1 | 6769.4 | 6019.8 | 5865.2 | 7964.0 | 10493.7 | 11482.1 | 9744.1 | 7682.9 | 7162.9 | 9683.2 |
| 52.5° | 8380.9 | 8249.7 | 7415.8 | 6647.6 | 9196.0 | 12658.0 | 13510.6 | 11365.0 | 8526.1 | 8362.2 | 11327.6 |
| 55° | 10353.1 | 10226.7 | 9233.5 | 7518.9 | 10362.5 | 14827.0 | 15515.7 | 12840.7 | 9261.6 | 9767.6 | 13046.8 |
| 57.5° | 12587.7 | 12798.5 | 11721.1 | 8680.7 | 11589.9 | 16574.4 | 17534.8 | 14180.5 | 10254.8 | 11646.1 | 14958.2 |
| 60° | 14044.7 | 14709.9 | 14574.0 | 10709.2 | 13496.6 | 18748.1 | 19792.8 | 15974.8 | 11707.0 | 13028.1 | 14916.0 |
| 62.5° | 12779.8 | 13445.0 | 14485.0 | 13060.9 | 15333.0 | 20715.6 | 21596.4 | 17862.7 | 13149.9 | 11927.2 | 12526.8 |
| 65° | 10845.0 | 11674.2 | 12770.4 | 11346.3 | 15009.7 | 20776.5 | 21680.7 | 17932.9 | 12269.2 | 8816.6 | 8882.1 |
| 67.5° | 9345.9 | 10081.4 | 11430.6 | 9655.1 | 13304.5 | 18921.4 | 19633.5 | 15998.2 | 10142.3 | 5846.5 | 5794.9 |
| 70° | 7800.0 | 8474.6 | 10179.8 | 8596.4 | 11655.5 | 16307.4 | 15693.7 | 13449.7 | 8573.0 | 3883.6 | 3218.4 |
| 72.5° | 6647.6 | 7270.6 | 9046.1 | 7725.0 | 9247.6 | 13215.5 | 10816.9 | 11158.9 | 6975.5 | 2468.8 | 2192.4 |
| 75° | 5499.8 | 6071.3 | 7692.2 | 6994.2 | 7650.1 | 8245.0 | 7476.7 | 7926.5 | 5748.1 | 2094.1 | 1691.2 |
| 77.5° | 3860.2 | 4216.2 | 5396.7 | 5565.4 | 5954.2 | 4881.4 | 4740.9 | 5551.3 | 4089.7 | 1040.0 | 712.1 |
| 80° | 1902.0 | 2122.2 | 2815.5 | 3312.1 | 2815.5 | 2768.6 | 3157.5 | 3696.2 | 2122.2 | 637.1 | 393.5 |
| 82.5° | 852.6 | 1011.9 | 1297.7 | 2005.0 | 1016.6 | 1105.6 | 1396.0 | 1967.6 | 965.0 | 379.5 | 168.6 |
| 85° | 135.9 | 149.9 | 253.0 | 337.3 | 276.4 | 426.3 | 407.6 | 384.1 | 206.1 | 103.1 | 46.8 |
| 87.5° | 4.7 | 4.7 | 4.7 | 9.4 | 14.1 | 18.7 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| 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° | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 |
| 2.5° | 2974.8 | 2960.7 | 2890.4 | 2820.2 | 2759.3 | 2698.4 | 2637.5 | 2553.1 | 2487.6 | 2431.3 | 2407.9 |
| 5° | 3255.9 | 3180.9 | 3073.1 | 2956.0 | 2853.0 | 2735.9 | 2623.4 | 2496.9 | 2393.9 | 2286.1 | 2229.9 |
| 7.5° | 3447.9 | 3373.0 | 3195.0 | 3016.9 | 2890.4 | 2764.0 | 2646.8 | 2506.3 | 2370.4 | 2215.9 | 2131.5 |
| 10° | 3536.9 | 3452.6 | 3260.5 | 3054.4 | 2899.8 | 2773.3 | 2665.6 | 2548.5 | 2412.6 | 2220.5 | 2108.1 |
| 12.5° | 3597.8 | 3494.8 | 3274.6 | 3063.8 | 2909.2 | 2778.0 | 2675.0 | 2590.6 | 2511.0 | 2323.6 | 2192.4 |
| 15° | 3635.3 | 3541.6 | 3312.1 | 3068.5 | 2895.1 | 2740.5 | 2642.2 | 2614.1 | 2628.1 | 2539.1 | 2379.8 |
| 17.5° | 3691.5 | 3602.5 | 3358.9 | 3096.6 | 2871.7 | 2660.9 | 2553.1 | 2614.1 | 2740.5 | 2768.6 | 2642.2 |
| 20° | 3766.5 | 3672.8 | 3419.8 | 3120.0 | 2801.4 | 2511.0 | 2407.9 | 2562.5 | 2773.3 | 2918.6 | 2848.3 |
| 22.5° | 3850.8 | 3775.9 | 3490.1 | 3143.4 | 2698.4 | 2314.2 | 2267.4 | 2454.8 | 2679.6 | 2867.0 | 2871.7 |
| 25° | 3953.9 | 3883.6 | 3588.5 | 3166.8 | 2557.8 | 2145.6 | 2155.0 | 2314.2 | 2492.2 | 2684.3 | 2717.1 |
| 27.5° | 4094.4 | 4028.8 | 3710.3 | 3195.0 | 2412.6 | 2009.7 | 2056.6 | 2173.7 | 2295.5 | 2412.6 | 2459.5 |
| 30° | 4249.0 | 4197.5 | 3855.5 | 3251.2 | 2276.8 | 1930.1 | 1958.2 | 2037.8 | 2136.2 | 2206.5 | 2229.9 |
| 32.5° | 4459.8 | 4375.5 | 3991.3 | 3246.5 | 2173.7 | 1892.6 | 1864.5 | 1887.9 | 1967.6 | 2037.8 | 2042.5 |
| 35° | 4722.2 | 4656.6 | 4131.9 | 3162.2 | 2080.0 | 1873.9 | 1775.5 | 1761.4 | 1808.3 | 1878.6 | 1873.9 |
| 37.5° | 5106.3 | 5050.1 | 4361.4 | 3031.0 | 1962.9 | 1827.0 | 1681.8 | 1635.0 | 1667.7 | 1714.6 | 1728.6 |
| 40° | 5682.5 | 5537.3 | 4623.8 | 2885.8 | 1845.8 | 1742.7 | 1569.4 | 1503.8 | 1527.2 | 1578.7 | 1588.1 |
| 42.5° | 6464.9 | 6188.5 | 4975.1 | 2689.0 | 1733.3 | 1616.2 | 1456.9 | 1386.7 | 1400.7 | 1447.6 | 1456.9 |
| 45° | 7467.4 | 7050.4 | 5457.7 | 2482.9 | 1644.3 | 1485.0 | 1339.8 | 1264.9 | 1278.9 | 1330.4 | 1353.9 |
| 47.5° | 8638.5 | 8067.0 | 5963.6 | 2262.7 | 1592.8 | 1382.0 | 1222.7 | 1166.5 | 1199.3 | 1250.8 | 1260.2 |
| 50° | 10020.5 | 9444.3 | 6286.8 | 2084.7 | 1560.0 | 1302.3 | 1115.0 | 1091.5 | 1133.7 | 1175.9 | 1185.2 |
| 52.5° | 11529.0 | 10709.2 | 6080.7 | 1939.5 | 1531.9 | 1274.2 | 1040.0 | 1049.4 | 1082.2 | 1124.3 | 1138.4 |
| 55° | 12995.3 | 11173.0 | 5396.7 | 1752.1 | 1499.1 | 1293.0 | 983.8 | 1007.2 | 1049.4 | 1082.2 | 1091.5 |
| 57.5° | 13951.0 | 10784.1 | 4347.4 | 1555.3 | 1461.6 | 1307.0 | 955.7 | 974.4 | 1021.3 | 1058.7 | 1063.4 |
| 60° | 13117.1 | 9931.5 | 3255.9 | 1386.7 | 1382.0 | 1283.6 | 946.3 | 918.2 | 983.8 | 1016.6 | 1021.3 |
| 62.5° | 10746.7 | 8123.2 | 2080.0 | 1227.4 | 1232.1 | 1232.1 | 941.6 | 824.5 | 908.8 | 936.9 | 932.3 |
| 65° | *7383.1* | *5743.4* | *1288.3* | *1002.5* | *1049.4* | *1119.6* | *913.5* | *726.1* | *824.5* | *852.6* | *843.2* |
| 67.5° | 4853.3 | 3649.4 | 796.4 | 773.0 | 862.0 | 969.7 | 857.3 | 651.2 | 740.2 | 758.9 | 730.8 |
| 70° | 2632.8 | 1719.3 | 524.7 | 505.9 | 674.6 | 763.6 | 726.1 | 585.6 | 660.5 | 679.3 | 651.2 |
| 72.5° | 1738.0 | 988.5 | 370.1 | 370.1 | 529.4 | 534.1 | 595.0 | 524.7 | 585.6 | 604.3 | 576.2 |
| 75° | 1307.0 | 637.1 | 257.7 | 285.8 | 337.3 | 416.9 | 426.3 | 440.4 | 496.6 | 520.0 | 491.9 |
| 77.5° | 599.6 | 234.2 | 154.6 | 210.8 | 234.2 | 318.6 | 271.7 | 327.9 | 370.1 | 379.5 | 356.0 |
| 80° | 346.7 | 131.2 | 103.1 | 135.9 | 149.9 | 262.3 | 159.3 | 196.8 | 262.3 | 276.4 | 248.3 |
| 82.5° | 145.2 | 65.6 | 70.3 | 84.3 | 89.0 | 145.2 | 112.4 | 126.5 | 173.3 | 168.6 | 149.9 |
| 85° | 42.2 | 42.2 | 46.8 | 51.5 | 51.5 | 84.3 | 79.6 | 75.0 | 79.6 | 79.6 | 65.6 |
| 87.5° | 28.1 | 28.1 | 28.1 | 32.8 | 32.8 | 37.5 | 42.2 | 46.8 | 46.8 | 46.8 | 42.2 |
| 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° | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 |
| 2.5° | 2375.1 | 2333.0 | 2272.1 | 2262.7 | 2229.9 | 2206.5 | 2229.9 | 2253.3 | 2295.5 | 2300.2 | 2318.9 |
| 5° | 2178.4 | 2080.0 | 2005.0 | 1920.7 | 1878.6 | 1873.9 | 1864.5 | 1892.6 | 1953.5 | 1991.0 | 2019.1 |
| 7.5° | 2047.2 | 1869.2 | 1738.0 | 1620.9 | 1578.7 | 1545.9 | 1574.1 | 1569.4 | 1649.0 | 1681.8 | 1709.9 |
| 10° | 1976.9 | 1728.6 | 1531.9 | 1386.7 | 1330.4 | 1297.7 | 1293.0 | 1302.3 | 1349.2 | 1382.0 | 1414.8 |
| 12.5° | 2023.8 | 1672.4 | 1382.0 | 1213.3 | 1152.4 | 1115.0 | 1082.2 | 1082.2 | 1091.5 | 1133.7 | 1147.7 |
| 15° | 2178.4 | 1705.2 | 1311.7 | 1129.0 | 1049.4 | 988.5 | 946.3 | 913.5 | 918.2 | 922.9 | 936.9 |
| 17.5° | 2403.2 | 1789.5 | 1288.3 | 1077.5 | 993.2 | 918.2 | 876.0 | 838.6 | 829.2 | 829.2 | 824.5 |
| 20° | 2618.7 | 1855.1 | 1269.5 | 1035.3 | 927.6 | 862.0 | 824.5 | 791.7 | 777.7 | 777.7 | 777.7 |
| 22.5° | 2707.7 | 1911.3 | 1246.1 | 983.8 | 862.0 | 801.1 | 768.3 | 744.9 | 740.2 | 740.2 | 735.5 |
| 25° | 2637.5 | 1892.6 | 1218.0 | 932.3 | 801.1 | 754.2 | 726.1 | 702.7 | 698.0 | 702.7 | 698.0 |
| 27.5° | 2417.3 | 1827.0 | 1180.5 | 890.1 | 754.2 | 712.1 | 688.6 | 665.2 | 660.5 | 665.2 | 665.2 |
| 30° | 2183.1 | 1714.6 | 1119.6 | 857.3 | 716.8 | 669.9 | 646.5 | 623.1 | 623.1 | 627.7 | 632.4 |
| 32.5° | 1995.7 | 1602.2 | 1049.4 | 815.1 | 674.6 | 632.4 | 609.0 | 585.6 | 585.6 | 595.0 | 595.0 |
| 35° | 1836.4 | 1513.2 | 979.1 | 773.0 | 637.1 | 590.3 | 571.5 | 552.8 | 548.1 | 557.5 | 562.2 |
| 37.5° | 1709.9 | 1433.5 | 904.1 | 730.8 | 599.6 | 557.5 | 538.7 | 515.3 | 510.6 | 520.0 | 529.4 |
| 40° | 1578.7 | 1344.5 | 838.6 | 679.3 | 562.2 | 520.0 | 501.3 | 473.2 | 473.2 | 482.5 | 491.9 |
| 42.5° | 1452.3 | 1264.9 | 796.4 | 632.4 | 524.7 | 477.8 | 459.1 | 435.7 | 435.7 | 445.0 | 454.4 |
| 45° | 1349.2 | 1189.9 | 773.0 | 585.6 | 482.5 | 440.4 | 416.9 | 398.2 | 402.9 | 412.3 | 421.6 |
| 47.5° | 1250.8 | 1110.3 | 777.7 | 562.2 | 454.4 | 398.2 | 374.8 | 360.7 | 370.1 | 384.1 | 393.5 |
| 50° | 1175.9 | 1054.1 | 782.3 | 524.7 | 416.9 | 365.4 | 342.0 | 332.6 | 346.7 | 360.7 | 370.1 |
| 52.5° | 1129.0 | 997.8 | 754.2 | 477.8 | 388.8 | 332.6 | 318.6 | 318.6 | 332.6 | 342.0 | 351.4 |
| 55° | 1082.2 | 904.1 | 693.3 | 426.3 | 360.7 | 309.2 | 299.8 | 299.8 | 313.9 | 323.2 | 327.9 |
| 57.5° | 1044.7 | 805.8 | 623.1 | 384.1 | 327.9 | 285.8 | 285.8 | 285.8 | 290.5 | 295.1 | 304.5 |
| 60° | 974.4 | 702.7 | 534.1 | 351.4 | 295.1 | 267.0 | 262.3 | 262.3 | 257.7 | 262.3 | 276.4 |
| 62.5° | 852.6 | 590.3 | 454.4 | 313.9 | 267.0 | 243.6 | 238.9 | 224.9 | 210.8 | 215.5 | 224.9 |
| 65° | *721.4* | *468.5* | *379.5* | *271.7* | *229.5* | *215.5* | *210.8* | *187.4* | *168.6* | *173.3* | *187.4* |
| 67.5° | 576.2 | 351.4 | 318.6 | 234.2 | 196.8 | 182.7 | 182.7 | 168.6 | 154.6 | 154.6 | 164.0 |
| 70° | 449.7 | 295.1 | 238.9 | 187.4 | 154.6 | 154.6 | 164.0 | 149.9 | 131.2 | 131.2 | 145.2 |
| 72.5° | 365.4 | 238.9 | 192.1 | 145.2 | 121.8 | 131.2 | 135.9 | 121.8 | 107.7 | 107.7 | 117.1 |
| 75° | 285.8 | 187.4 | 149.9 | 107.7 | 93.7 | 98.4 | 107.7 | 98.4 | 84.3 | 89.0 | 93.7 |
| 77.5° | 196.8 | 126.5 | 98.4 | 79.6 | 70.3 | 75.0 | 75.0 | 70.3 | 65.6 | 65.6 | 70.3 |
| 80° | 131.2 | 84.3 | 65.6 | 56.2 | 51.5 | 51.5 | 46.8 | 46.8 | 51.5 | 51.5 | 56.2 |
| 82.5° | 93.7 | 60.9 | 51.5 | 42.2 | 32.8 | 32.8 | 37.5 | 37.5 | 42.2 | 42.2 | 46.8 |
| 85° | 56.2 | 42.2 | 37.5 | 28.1 | 23.4 | 28.1 | 28.1 | 32.8 | 37.5 | 37.5 | 42.2 |
| 87.5° | 42.2 | 32.8 | 28.1 | 23.4 | 18.7 | 18.7 | 23.4 | 23.4 | 28.1 | 32.8 | 32.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365335
CATALOG NUMBER: GSS-SB5A-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 | 2637.5 |
| 2.5° | 2365.8 | 2422.0 | 2501.6 | 2571.9 | 2656.2 | 2740.5 | 2820.2 | 2895.1 | 2899.8 | 2904.5 |
| 5° | 2108.1 | 2220.5 | 2351.7 | 2511.0 | 2679.6 | 2843.6 | 3016.9 | 3157.5 | 3190.3 | 3209.0 |
| 7.5° | 1822.3 | 1986.3 | 2187.7 | 2412.6 | 2665.6 | 2918.6 | 3162.2 | 3373.0 | 3452.6 | 3471.3 |
| 10° | 1522.5 | 1724.0 | 1967.6 | 2258.0 | 2600.0 | 2937.3 | 3265.2 | 3522.9 | 3616.6 | 3635.3 |
| 12.5° | 1255.5 | 1419.5 | 1700.5 | 2051.9 | 2464.1 | 2909.2 | 3302.7 | 3588.5 | 3682.2 | 3705.6 |
| 15° | 1025.9 | 1180.5 | 1442.9 | 1813.0 | 2276.8 | 2810.8 | 3274.6 | 3602.5 | 3696.2 | 3714.9 |
| 17.5° | 847.9 | 946.3 | 1185.2 | 1588.1 | 2108.1 | 2684.3 | 3237.1 | 3611.9 | 3700.9 | 3714.9 |
| 20° | 777.7 | 796.4 | 922.9 | 1316.4 | 1930.1 | 2590.6 | 3213.7 | 3625.9 | 3714.9 | 3729.0 |
| 22.5° | 744.9 | 744.9 | 773.0 | 1002.5 | 1681.8 | 2492.2 | 3204.3 | 3668.1 | 3733.7 | 3747.7 |
| 25° | 712.1 | 712.1 | 721.4 | 787.0 | 1386.7 | 2370.4 | 3223.1 | 3743.1 | 3785.2 | 3785.2 |
| 27.5° | 679.3 | 679.3 | 688.6 | 702.7 | 1030.6 | 2169.0 | 3227.7 | 3827.4 | 3846.1 | 3832.1 |
| 30° | 646.5 | 655.9 | 655.9 | 665.2 | 758.9 | 1916.0 | 3199.6 | 3921.1 | 3921.1 | 3893.0 |
| 32.5° | 613.7 | 618.4 | 627.7 | 632.4 | 660.5 | 1588.1 | 3152.8 | 4038.2 | 4014.8 | 3977.3 |
| 35° | 585.6 | 590.3 | 590.3 | 599.6 | 627.7 | 1269.5 | 3101.3 | 4197.5 | 4131.9 | 4089.7 |
| 37.5° | 548.1 | 552.8 | 557.5 | 566.8 | 595.0 | 1007.2 | 3026.3 | 4333.3 | 4286.5 | 4230.3 |
| 40° | 515.3 | 520.0 | 524.7 | 534.1 | 562.2 | 866.7 | 2932.6 | 4539.5 | 4530.1 | 4464.5 |
| 42.5° | 477.8 | 487.2 | 491.9 | 496.6 | 534.1 | 791.7 | 2867.0 | 4872.1 | 4872.1 | 4792.4 |
| 45° | 445.0 | 454.4 | 454.4 | 463.8 | 515.3 | 726.1 | 3012.2 | 5331.2 | 5368.6 | 5293.7 |
| 47.5° | 416.9 | 421.6 | 421.6 | 426.3 | 487.2 | 669.9 | 3401.1 | 6033.9 | 5987.0 | 5935.5 |
| 50° | 388.8 | 398.2 | 388.8 | 393.5 | 463.8 | 702.7 | 4042.9 | 6933.3 | 7055.1 | 6966.1 |
| 52.5° | 370.1 | 374.8 | 356.0 | 356.0 | 431.0 | 744.9 | 4567.6 | 8081.1 | 8488.6 | 8380.9 |
| 55° | 346.7 | 351.4 | 327.9 | 327.9 | 379.5 | 646.5 | 4600.4 | 9388.1 | 10282.9 | 10353.1 |
| 57.5° | 323.2 | 323.2 | 304.5 | 299.8 | 327.9 | 524.7 | 4080.4 | 10400.0 | 12428.5 | 12587.7 |
| 60° | 295.1 | 290.5 | 281.1 | 271.7 | 299.8 | 482.5 | 3110.6 | 10264.1 | 13491.9 | 14044.7 |
| 62.5° | 253.0 | 262.3 | 257.7 | 238.9 | 271.7 | 449.7 | 2028.5 | 8882.1 | 12292.6 | 12779.8 |
| 65° | *210.8* | *224.9* | *224.9* | *210.8* | *299.8* | *393.5* | *1068.1* | *7111.3* | *10259.4* | *10845.0* |
| 67.5° | 187.4 | 196.8 | 192.1 | 182.7 | 267.0 | 248.3 | 515.3 | 5453.0 | 8783.8 | 9345.9 |
| 70° | 164.0 | 173.3 | 159.3 | 149.9 | 215.5 | 178.0 | 304.5 | 3649.4 | 7251.9 | 7800.0 |
| 72.5° | 135.9 | 145.2 | 131.2 | 117.1 | 159.3 | 135.9 | 201.4 | 2375.1 | 6038.6 | 6647.6 |
| 75° | 112.4 | 117.1 | 107.7 | 93.7 | 117.1 | 107.7 | 140.5 | 1550.6 | 5050.1 | 5499.8 |
| 77.5° | 79.6 | 89.0 | 84.3 | 70.3 | 84.3 | 75.0 | 98.4 | 885.4 | 3522.9 | 3860.2 |
| 80° | 60.9 | 60.9 | 60.9 | 56.2 | 51.5 | 51.5 | 65.6 | 398.2 | 1709.9 | 1902.0 |
| 82.5° | 51.5 | 51.5 | 46.8 | 42.2 | 37.5 | 32.8 | 37.5 | 117.1 | 805.8 | 852.6 |
| 85° | 46.8 | 37.5 | 32.8 | 28.1 | 23.4 | 14.1 | 14.1 | 32.8 | 164.0 | 135.9 |
| 87.5° | 28.1 | 23.4 | 18.7 | 9.4 | 4.7 | 4.7 | 0.0 | 4.7 | 4.7 | 4.7 |
| 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: SP1-2407-184-3

Test Date: 10/09/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

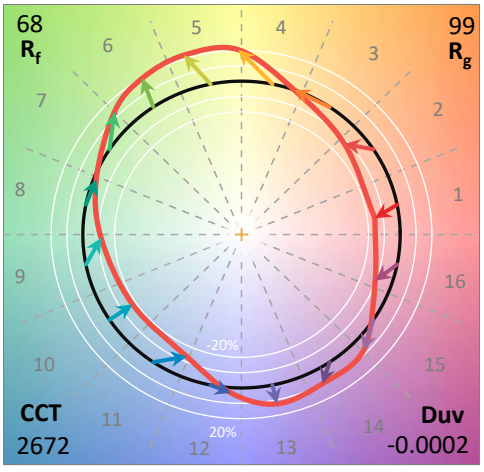
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

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

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




## Test Conditions

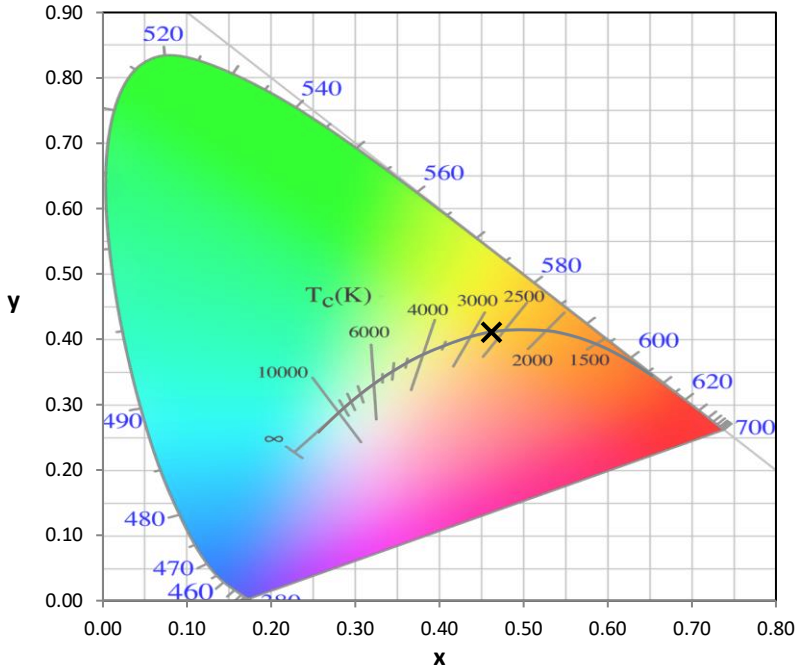
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-3

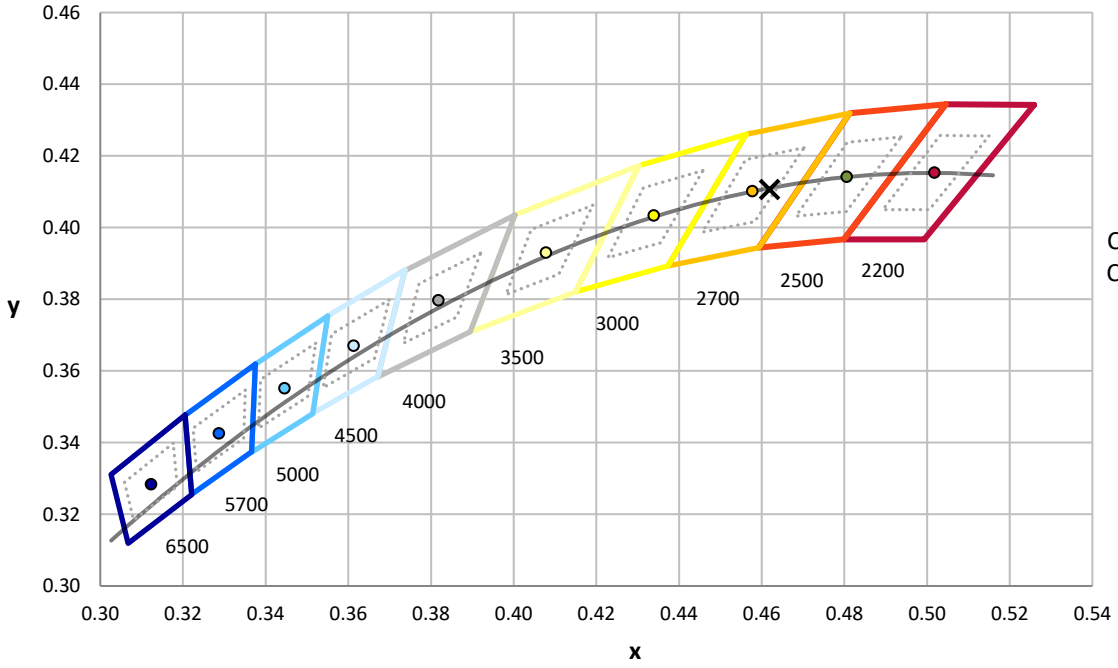
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

REPORT NUMBER: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

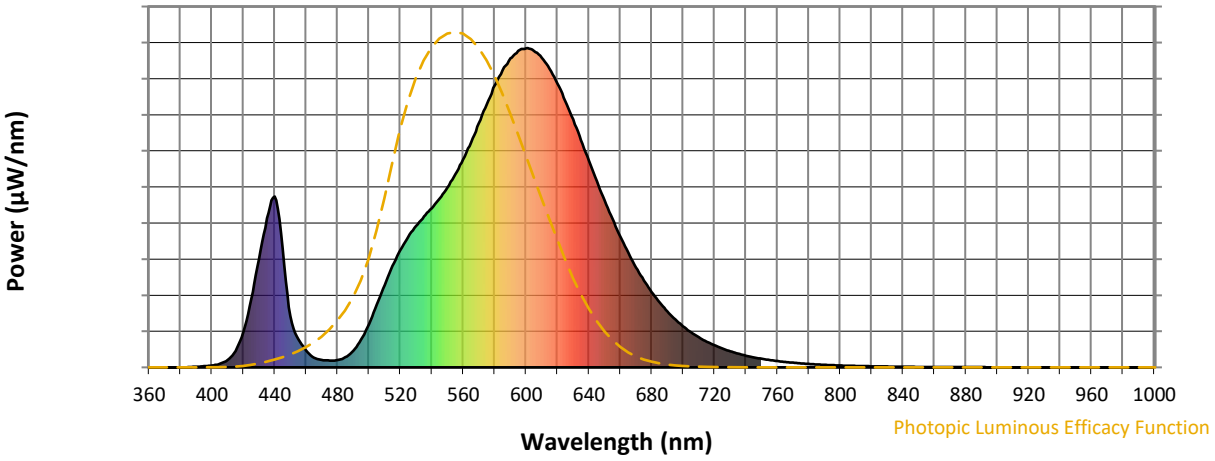



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

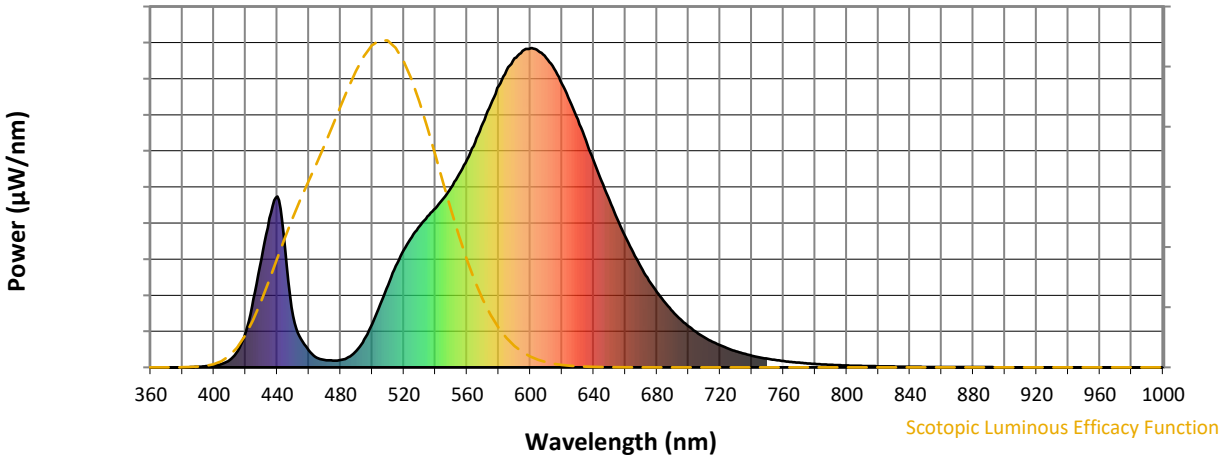



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

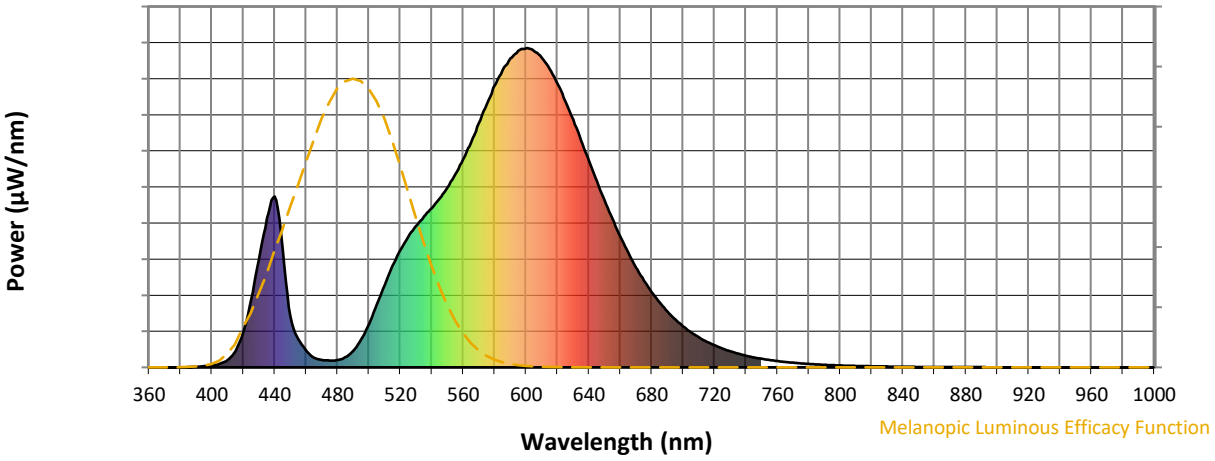



**Scotopic Lumens: NR** **S/P: 1.02**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




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

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

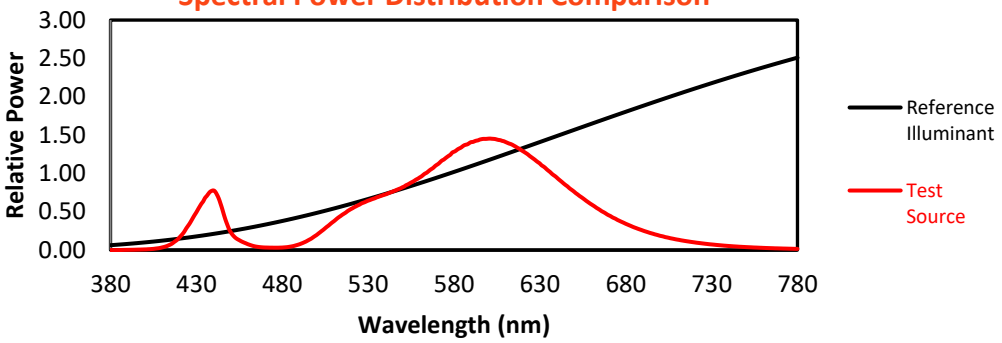
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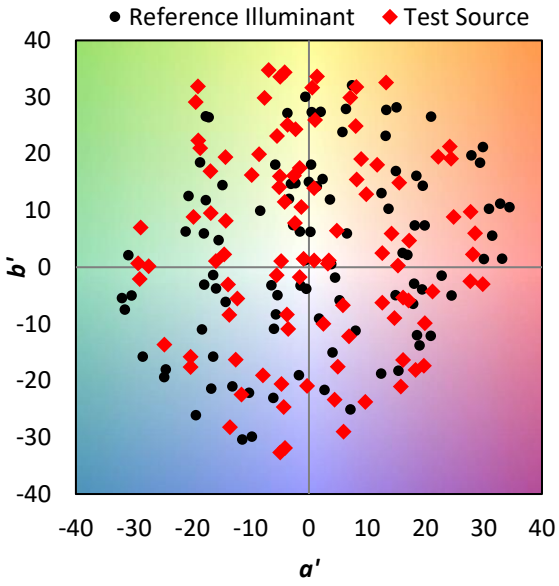
## Summary

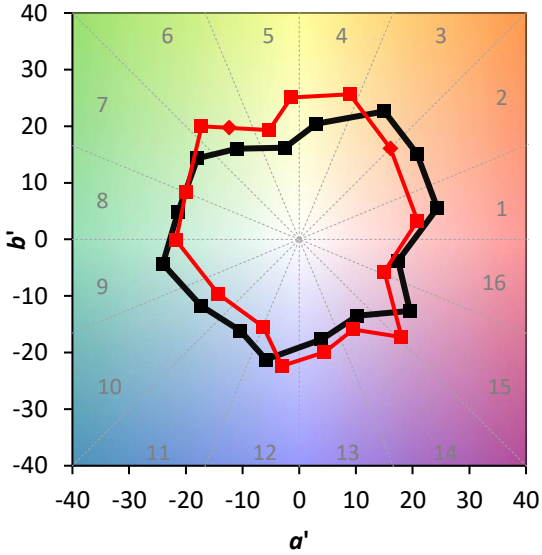
$R_f$ = 67.9
$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

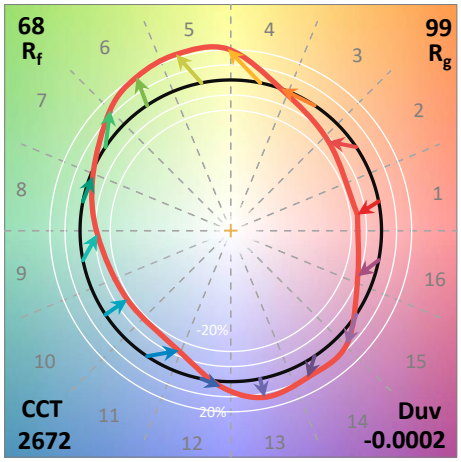
## Spectral Power Distribution Comparison

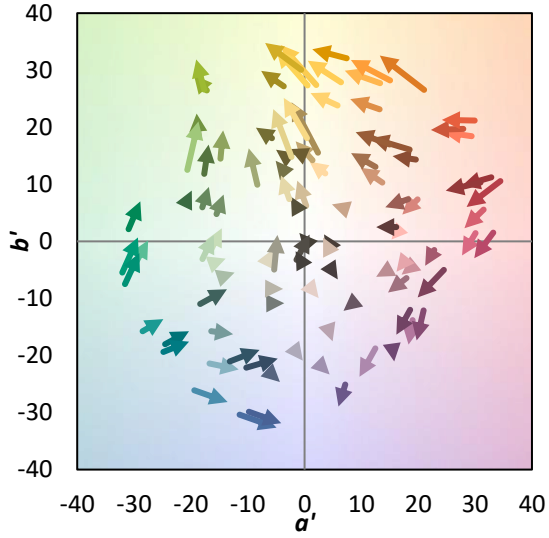



## Color Vector Graphics



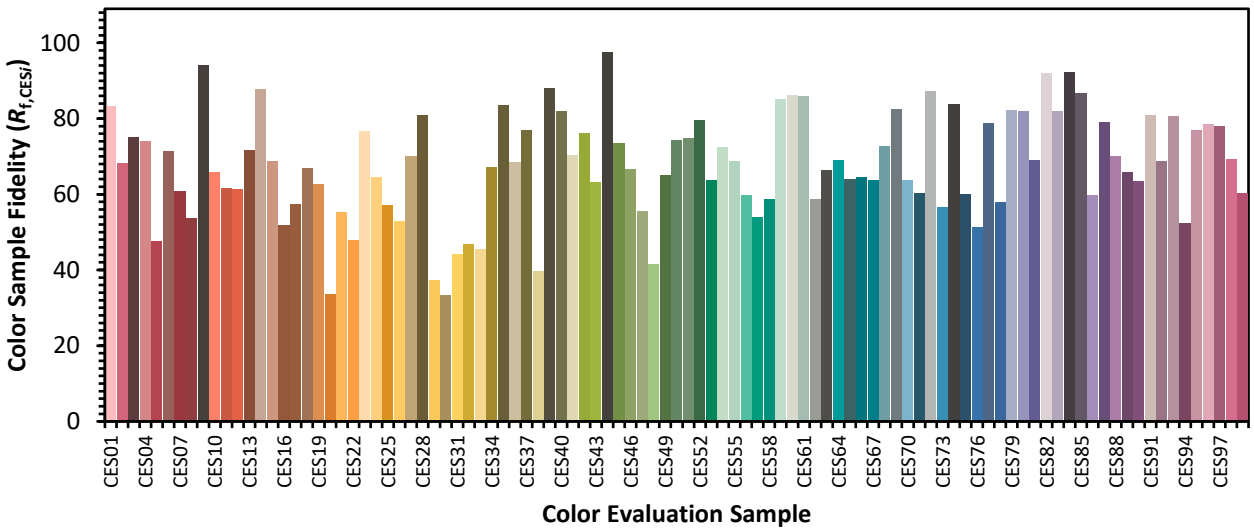



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**Individual Sample Fidelity Index ($R_{f,i}$)**

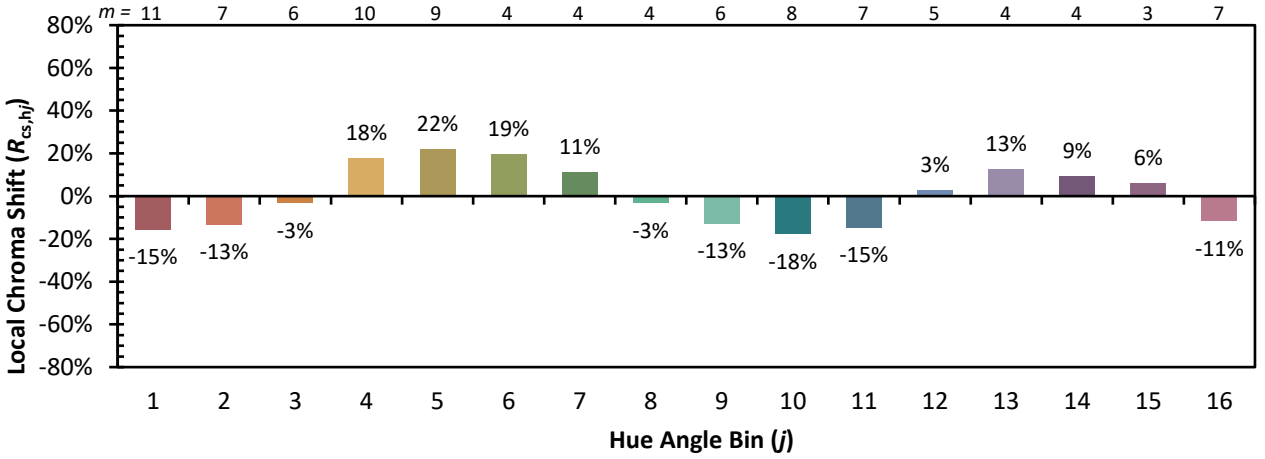
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06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

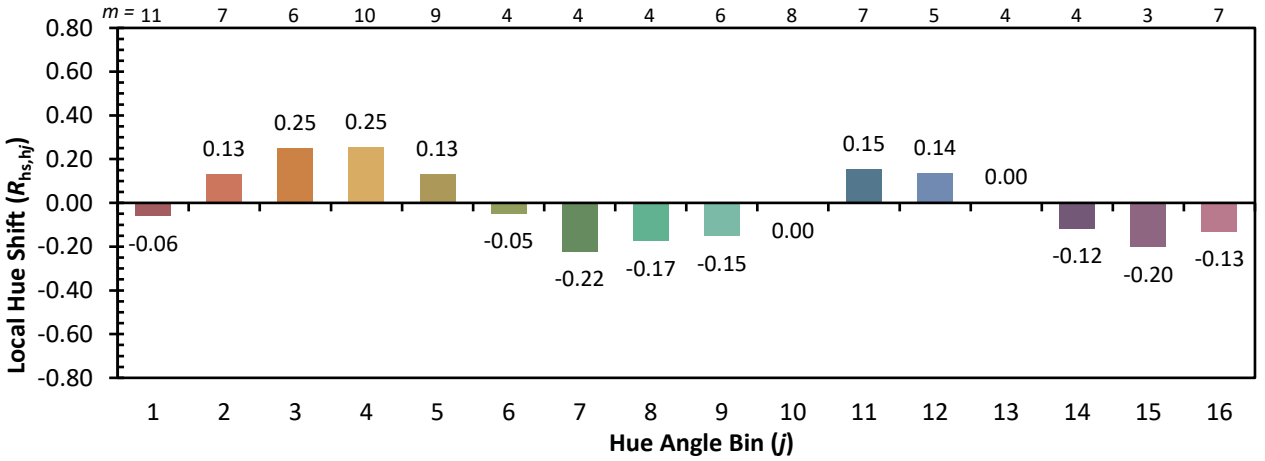


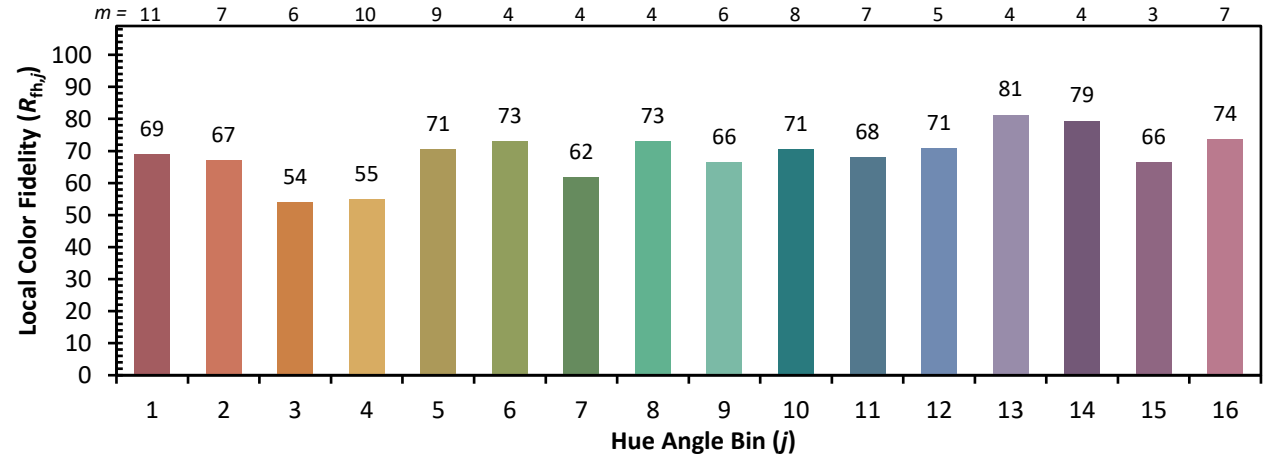
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## Color Rendition by Hue-Angle Bin



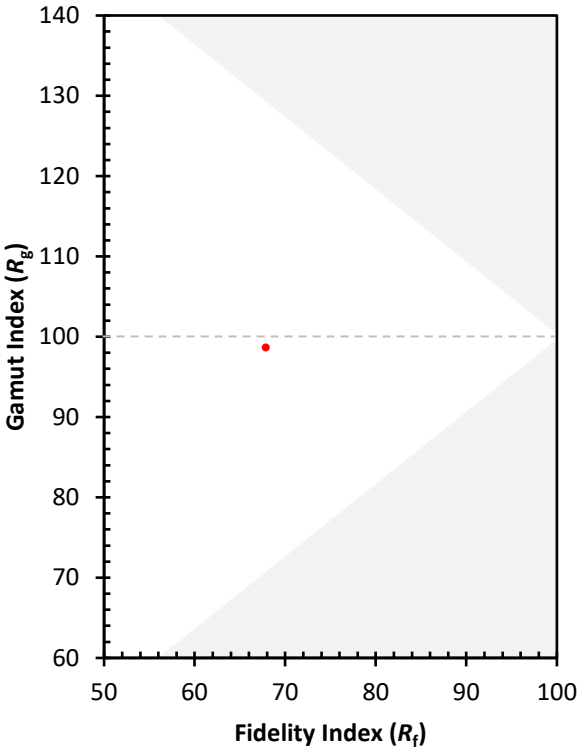



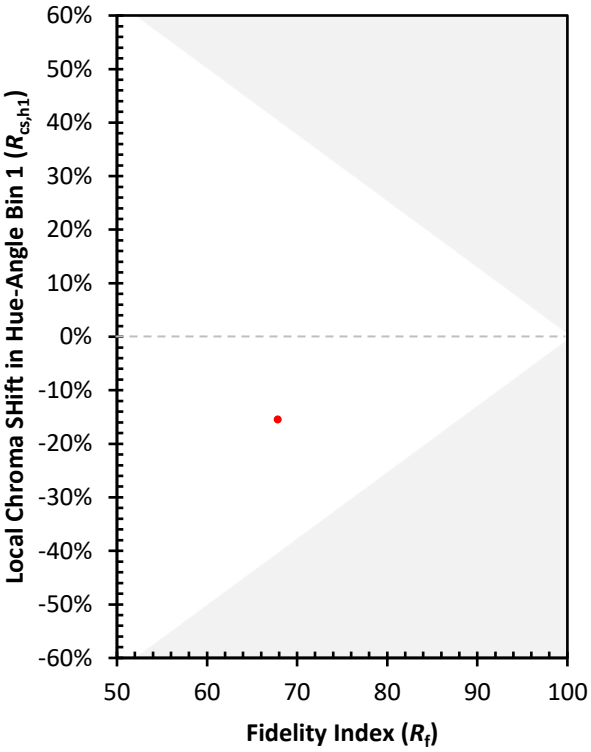



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## Measure Comparisons




(END OF REPORT)