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: P1364345

Luminaire Tested: **GSS-SB3C-835-U-SLR**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364345 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3C-835-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (78) 3500K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

| Sample No. | Condition | Description |
|---|---|---|
| a | good | reflector |
| b | good | lens |
| c | good | housing |
| d | good | cord |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 18325.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 122.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G3 |

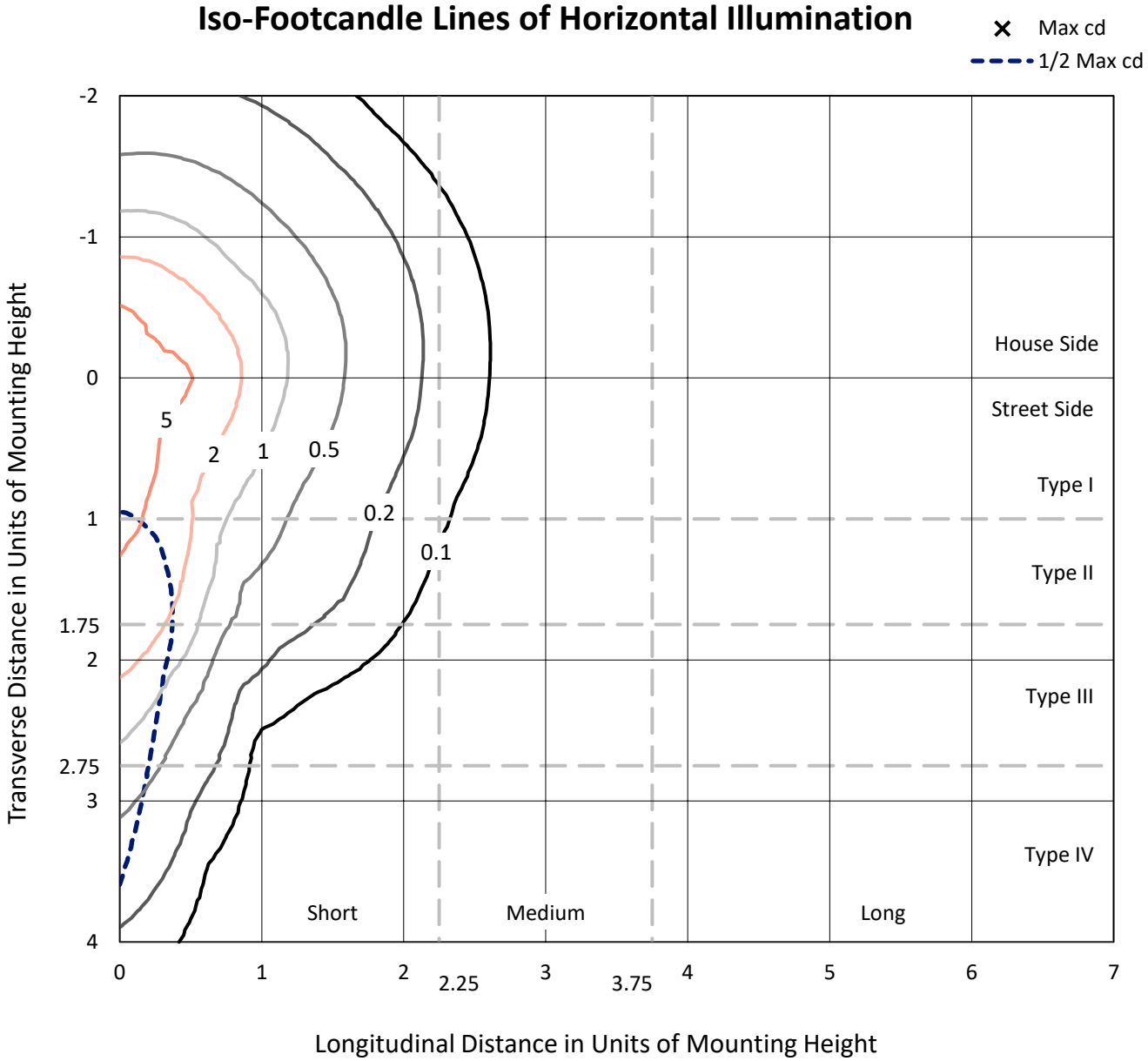
| | |
|---|---|
| Input Watts (W): | 150 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



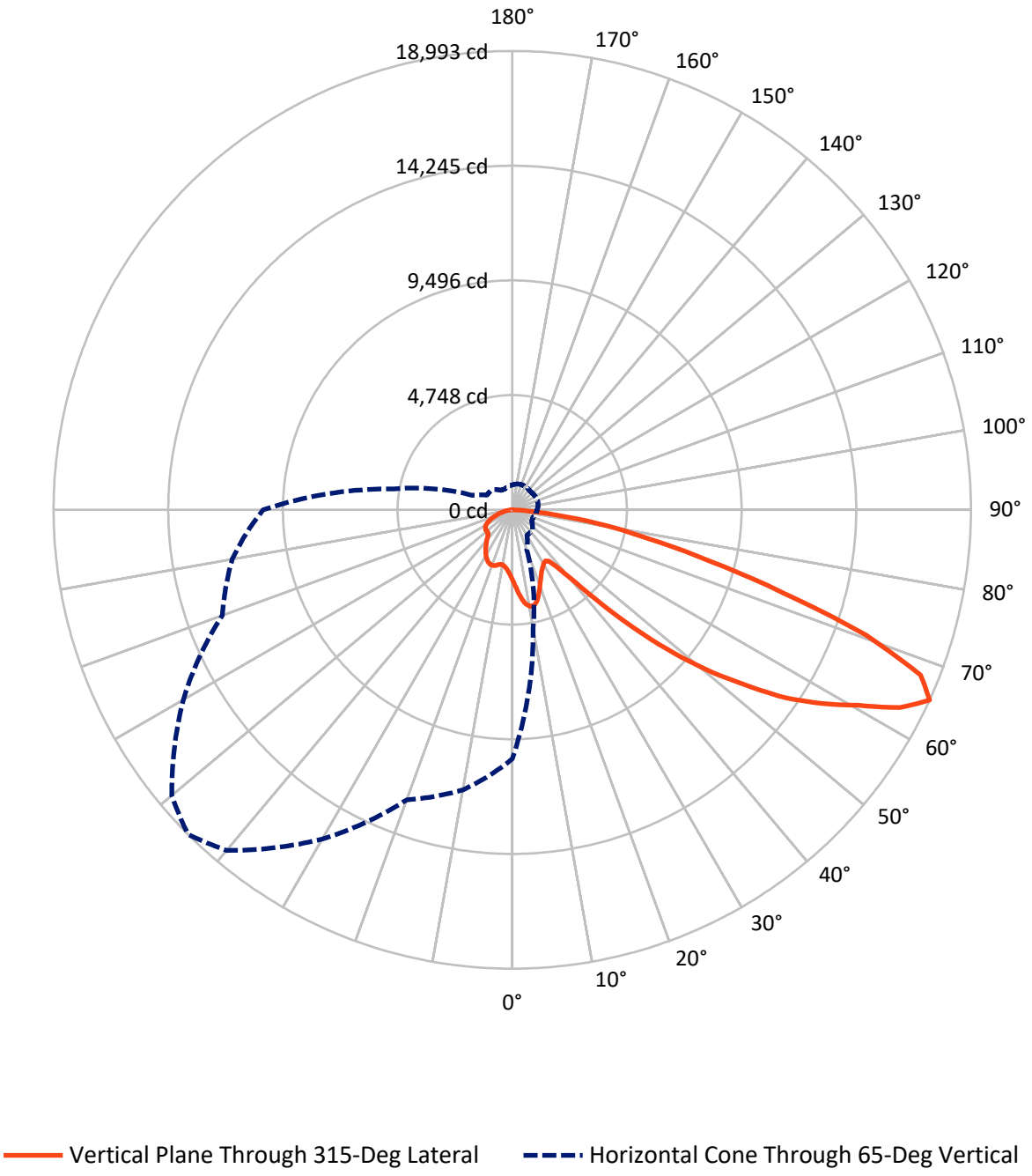

Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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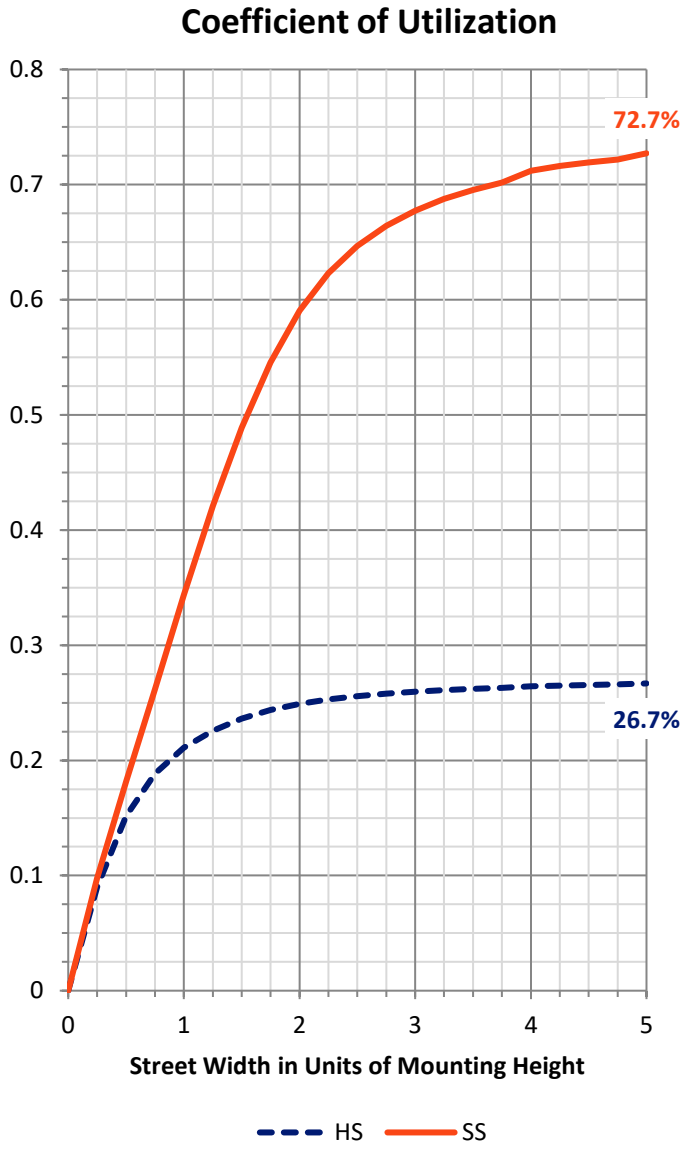
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4929.8 | 0.0 | 4929.8 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 13395.2 | 0.0 | 13395.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 18325.1 | 0.0 | 18325.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 288.5 | 1.6 |
| 10°-20° | 884.2 | 4.8 |
| 20°-30° | 1368.4 | 7.5 |
| 30°-40° | 1697.7 | 9.3 |
| 40°-50° | 2482.6 | 13.5 |
| 50°-60° | 3888.7 | 21.2 |
| 60°-70° | 4614.2 | 25.2 |
| 70°-80° | 2691.3 | 14.7 |
| 80°-90° | 409.4 | 2.2 |
| 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° | 18325.1 | 100.0 |
| 0°-180° | 18325.1 | 100.0 |



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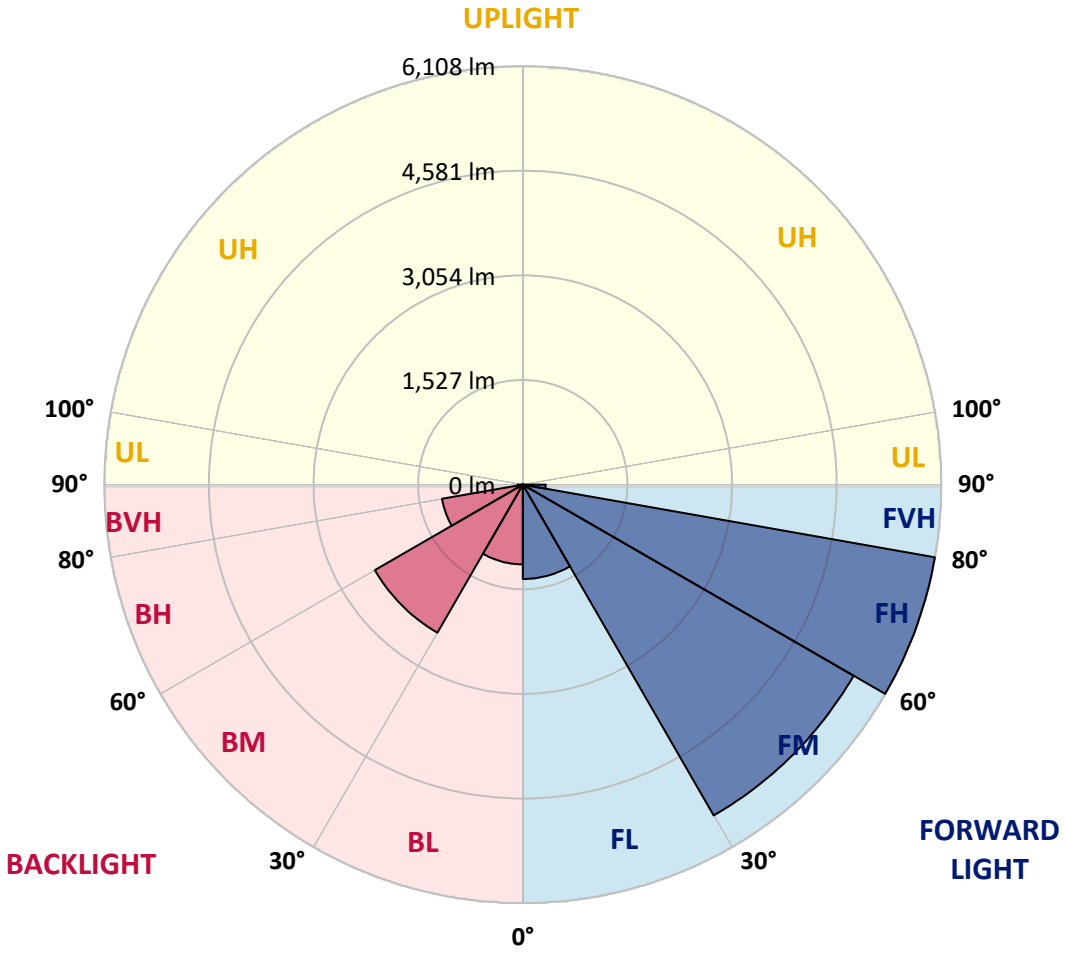
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1377.3 | 7.5 | | | |
| FM | (30°-60°) | 5574.9 | 30.4 | | | |
| FH | (60°-80°) | 6108.2 | 33.3 | | | G3/7500 |
| FVH | (80°-90°) | 334.9 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1163.8 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 2494.2 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 1197.3 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 74.6 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 3157.2 | 3128.6 | 3100.3 | 3074.3 | 3048.3 | 3022.4 | 2995.9 | 2970.8 | 2945.3 | 2919.7 | 2897.3 |
| 5° | 3372.4 | 3321.7 | 3271.5 | 3218.6 | 3166.2 | 3114.7 | 3063.1 | 3014.3 | 2965.9 | 2915.2 | 2871.8 |
| 7.5° | 3589.7 | 3504.6 | 3419.4 | 3339.2 | 3259.0 | 3187.3 | 3115.6 | 3051.5 | 2986.9 | 2919.7 | 2867.3 |
| 10° | 3726.4 | 3624.7 | 3522.5 | 3423.0 | 3323.1 | 3234.8 | 3146.0 | 3072.1 | 2998.2 | 2926.4 | 2870.4 |
| 12.5° | 3795.9 | 3694.6 | 3593.3 | 3481.7 | 3370.1 | 3271.1 | 3172.0 | 3090.5 | 3009.4 | 2930.9 | 2876.3 |
| 15° | 3829.5 | 3726.9 | 3624.7 | 3511.3 | 3397.9 | 3291.2 | 3184.1 | 3092.3 | 3000.4 | 2913.0 | 2864.6 |
| 17.5° | 3838.4 | 3742.5 | 3647.1 | 3526.1 | 3405.1 | 3283.2 | 3161.7 | 3054.6 | 2948.0 | 2845.8 | 2804.6 |
| 20° | 3867.6 | 3770.8 | 3674.0 | 3544.0 | 3414.0 | 3271.1 | 3128.1 | 2987.4 | 2846.7 | 2711.3 | 2685.3 |
| 22.5° | 3898.9 | 3810.2 | 3721.9 | 3579.0 | 3436.4 | 3261.7 | 3086.9 | 2910.3 | 2733.7 | 2572.4 | 2547.8 |
| 25° | 3948.2 | 3871.6 | 3795.0 | 3639.0 | 3483.1 | 3260.8 | 3038.5 | 2818.4 | 2598.4 | 2413.3 | 2411.1 |
| 27.5° | 4019.9 | 3961.2 | 3902.5 | 3726.9 | 3551.6 | 3269.3 | 2986.9 | 2724.3 | 2461.3 | 2272.1 | 2283.3 |
| 30° | 4120.8 | 4074.6 | 4028.9 | 3830.8 | 3632.3 | 3287.7 | 2943.5 | 2642.3 | 2341.6 | 2157.9 | 2170.0 |
| 32.5° | 4244.0 | 4215.3 | 4186.7 | 3953.2 | 3719.7 | 3308.3 | 2897.3 | 2570.6 | 2244.4 | 2075.0 | 2075.0 |
| 35° | 4452.4 | 4416.6 | 4380.7 | 4083.1 | 3786.0 | 3303.3 | 2821.1 | 2489.0 | 2156.5 | 2025.7 | 1997.9 |
| 37.5° | 4716.8 | 4674.3 | 4631.7 | 4241.8 | 3851.9 | 3289.5 | 2727.0 | 2398.5 | 2070.5 | 1967.4 | 1914.5 |
| 40° | 5106.7 | 5022.9 | 4938.7 | 4423.3 | 3907.9 | 3258.1 | 2608.3 | 2290.5 | 1972.8 | 1891.2 | 1824.9 |
| 42.5° | 5653.5 | 5476.0 | 5298.1 | 4624.1 | 3949.1 | 3203.9 | 2458.1 | 2161.9 | 1865.2 | 1808.3 | 1726.3 |
| 45° | 6332.4 | 6047.8 | 5763.3 | 4896.5 | 4029.8 | 3166.7 | 2303.5 | 2031.0 | 1759.0 | 1707.5 | 1625.9 |
| 47.5° | 6982.2 | 6621.9 | 6261.6 | 5176.6 | 4091.7 | 3123.2 | 2154.7 | 1901.1 | 1648.3 | 1588.7 | 1512.5 |
| 50° | 7735.1 | 7246.7 | 6758.2 | 5420.9 | 4083.6 | 3049.2 | 2014.5 | 1785.4 | 1556.0 | 1474.4 | 1399.1 |
| 52.5° | 8700.9 | 7925.2 | 7149.0 | 5536.5 | 3923.6 | 2897.8 | 1872.4 | 1681.5 | 1491.5 | 1387.0 | 1306.4 |
| 55° | 9854.9 | 8606.8 | 7358.7 | 5506.0 | 3653.4 | 2697.0 | 1739.7 | 1594.5 | 1448.4 | 1344.5 | 1249.5 |
| 57.5° | 11031.3 | 9179.1 | 7327.3 | 5339.8 | 3352.2 | 2486.8 | 1621.4 | 1521.0 | 1420.6 | 1333.3 | 1216.7 |
| 60° | 11914.2 | 9435.4 | 6956.3 | 4941.4 | 2926.4 | 2221.1 | 1515.7 | 1445.3 | 1374.9 | 1306.4 | 1189.9 |
| 62.5° | 11548.9 | 8866.7 | 6184.5 | 4288.4 | 2392.2 | 1884.0 | 1375.8 | 1336.4 | 1297.4 | 1268.3 | 1157.1 |
| 65° | *10316.5* | *7647.8* | *4979.0* | *3363.8* | *1748.7* | *1480.7* | *1212.3* | *1203.7* | *1195.7* | *1187.6* | *1095.7* |
| 67.5° | 9160.3 | 6568.2 | 3976.0 | 2617.7 | 1259.3 | 1132.0 | 1004.8 | 1028.5 | 1052.3 | 1064.4 | 1001.6 |
| 70° | 8053.3 | 5580.0 | 3106.6 | 2005.9 | 905.3 | 860.5 | 815.6 | 851.0 | 886.4 | 882.9 | 852.4 |
| 72.5° | 6912.8 | 4633.5 | 2353.7 | 1508.0 | 662.4 | 661.5 | 661.0 | 687.9 | 714.8 | 679.0 | 698.2 |
| 75° | 5660.2 | 3699.5 | 1738.8 | 1117.7 | 496.6 | 493.4 | 490.7 | 522.5 | 554.8 | 569.2 | 581.7 |
| 77.5° | 3764.5 | 2427.2 | 1089.9 | 722.4 | 354.9 | 357.6 | 359.4 | 394.4 | 429.3 | 470.6 | 472.8 |
| 80° | 2209.4 | 1391.5 | 573.6 | 399.3 | 225.0 | 227.7 | 229.5 | 266.2 | 302.5 | 360.8 | 358.5 |
| 82.5° | 1104.7 | 697.3 | 290.4 | 214.7 | 138.9 | 139.4 | 139.8 | 157.8 | 175.7 | 208.4 | 217.4 |
| 85° | 251.0 | 165.8 | 80.7 | 68.1 | 56.0 | 58.7 | 61.8 | 73.5 | 85.1 | 103.1 | 108.5 |
| 87.5° | 20.2 | 19.7 | 18.8 | 18.4 | 17.9 | 18.8 | 20.2 | 22.4 | 24.6 | 26.9 | 31.4 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 2873.1 | 2849.4 | 2830.5 | 2812.2 | 2796.0 | 2779.5 | 2760.2 | 2740.5 | 2726.6 | 2712.2 | 2702.8 |
| 5° | 2828.8 | 2786.6 | 2751.7 | 2716.7 | 2688.0 | 2658.5 | 2632.5 | 2606.0 | 2585.4 | 2564.3 | 2547.3 |
| 7.5° | 2814.9 | 2762.9 | 2717.6 | 2671.9 | 2633.4 | 2594.8 | 2562.5 | 2529.8 | 2498.9 | 2468.4 | 2448.7 |
| 10° | 2815.3 | 2760.6 | 2714.0 | 2667.4 | 2626.6 | 2585.9 | 2543.3 | 2500.7 | 2466.6 | 2432.6 | 2403.0 |
| 12.5° | 2830.5 | 2785.3 | 2752.6 | 2720.3 | 2682.7 | 2645.0 | 2594.4 | 2543.3 | 2497.1 | 2451.4 | 2415.1 |
| 15° | 2835.0 | 2805.4 | 2802.8 | 2800.1 | 2787.1 | 2774.1 | 2727.0 | 2680.0 | 2616.3 | 2552.2 | 2500.3 |
| 17.5° | 2800.5 | 2796.5 | 2840.9 | 2885.2 | 2910.8 | 2936.3 | 2903.6 | 2870.4 | 2780.8 | 2691.2 | 2613.6 |
| 20° | 2710.9 | 2736.0 | 2822.9 | 2909.4 | 2978.4 | 3047.5 | 3043.9 | 3040.7 | 2923.8 | 2806.3 | 2704.6 |
| 22.5° | 2585.4 | 2622.6 | 2736.0 | 2849.4 | 2948.9 | 3048.3 | 3073.9 | 3099.0 | 2984.3 | 2869.1 | 2743.6 |
| 25° | 2451.9 | 2492.6 | 2597.5 | 2702.4 | 2809.5 | 2916.6 | 2964.1 | 3011.6 | 2917.0 | 2822.5 | 2700.6 |
| 27.5° | 2322.3 | 2361.8 | 2439.8 | 2517.7 | 2603.8 | 2689.8 | 2743.2 | 2796.5 | 2738.7 | 2680.9 | 2582.3 |
| 30° | 2200.4 | 2230.9 | 2287.4 | 2343.8 | 2402.1 | 2460.4 | 2502.9 | 2545.5 | 2507.4 | 2469.3 | 2398.5 |
| 32.5° | 2088.0 | 2100.9 | 2137.7 | 2174.4 | 2217.9 | 2260.9 | 2284.7 | 2308.0 | 2278.4 | 2248.8 | 2202.2 |
| 35° | 1987.1 | 1976.4 | 2000.6 | 2024.8 | 2059.7 | 2095.1 | 2113.0 | 2131.0 | 2106.3 | 2081.7 | 2040.0 |
| 37.5° | 1885.8 | 1856.3 | 1867.9 | 1878.7 | 1908.7 | 1938.3 | 1963.8 | 1989.8 | 1971.9 | 1954.0 | 1918.5 |
| 40° | 1781.9 | 1738.8 | 1737.9 | 1736.6 | 1765.3 | 1793.5 | 1825.8 | 1857.6 | 1854.5 | 1850.9 | 1817.3 |
| 42.5° | 1671.6 | 1616.9 | 1611.1 | 1605.3 | 1633.5 | 1661.8 | 1695.8 | 1729.9 | 1736.6 | 1743.3 | 1715.5 |
| 45° | 1569.4 | 1513.9 | 1504.9 | 1495.9 | 1520.1 | 1545.2 | 1582.4 | 1620.1 | 1635.8 | 1651.4 | 1626.4 |
| 47.5° | 1464.6 | 1416.2 | 1410.8 | 1405.0 | 1430.5 | 1456.5 | 1497.7 | 1539.4 | 1556.0 | 1573.0 | 1556.0 |
| 50° | 1359.7 | 1319.8 | 1326.5 | 1333.3 | 1361.5 | 1389.3 | 1421.5 | 1454.3 | 1485.2 | 1515.7 | 1512.5 |
| 52.5° | 1276.8 | 1246.8 | 1267.8 | 1288.4 | 1314.0 | 1340.0 | 1373.6 | 1407.2 | 1439.5 | 1472.2 | 1477.1 |
| 55° | 1216.3 | 1183.1 | 1212.7 | 1242.3 | 1273.2 | 1304.1 | 1335.5 | 1366.9 | 1397.3 | 1427.4 | 1434.1 |
| 57.5° | 1170.1 | 1124.0 | 1153.5 | 1183.1 | 1216.7 | 1250.4 | 1281.7 | 1313.1 | 1348.5 | 1383.9 | 1389.3 |
| 60° | 1131.6 | 1073.3 | 1093.0 | 1112.3 | 1146.8 | 1180.9 | 1213.6 | 1245.9 | 1281.7 | 1317.6 | 1324.7 |
| 62.5° | 1080.9 | 1004.8 | 1007.5 | 1009.2 | 1048.2 | 1086.8 | 1113.7 | 1140.6 | 1174.6 | 1209.1 | 1219.4 |
| 65° | *1013.7* | *932.2* | *923.2* | *914.2* | *951.0* | *988.2* | *1009.2* | *1030.8* | *1060.3* | *1089.9* | *1100.2* |
| 67.5° | 929.5 | 856.9 | 838.5 | 820.1 | 854.2 | 888.2 | 905.7 | 923.2 | 943.4 | 963.5 | 975.2 |
| 70° | 809.4 | 766.3 | 754.7 | 743.0 | 770.8 | 798.6 | 813.8 | 829.1 | 845.2 | 861.4 | 867.6 |
| 72.5° | 688.4 | 679.0 | 670.4 | 662.4 | 683.4 | 704.5 | 717.5 | 730.5 | 745.7 | 761.0 | 764.6 |
| 75° | 576.3 | 571.4 | 565.1 | 559.3 | 575.4 | 591.6 | 601.4 | 611.7 | 627.4 | 643.1 | 649.8 |
| 77.5° | 461.2 | 449.1 | 442.8 | 435.6 | 450.4 | 465.2 | 474.6 | 484.0 | 497.0 | 510.0 | 511.8 |
| 80° | 344.2 | 329.4 | 324.5 | 319.1 | 329.8 | 340.6 | 344.2 | 347.3 | 358.1 | 368.4 | 368.4 |
| 82.5° | 217.4 | 217.4 | 214.2 | 210.6 | 208.4 | 206.2 | 201.7 | 197.2 | 207.9 | 218.7 | 222.3 |
| 85° | 109.3 | 109.8 | 104.9 | 99.5 | 93.2 | 86.0 | 84.7 | 82.9 | 82.5 | 81.6 | 84.7 |
| 87.5° | 34.1 | 36.7 | 39.4 | 41.2 | 43.9 | 45.7 | 44.4 | 42.6 | 40.8 | 39.4 | 35.9 |
| 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):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 2693.4 | 2688.9 | 2684.4 | 2680.9 | 2677.7 | 2675.5 | 2677.7 | 2680.9 | 2684.4 | 2688.9 | 2693.4 |
| 5° | 2529.8 | 2522.7 | 2515.0 | 2510.1 | 2505.2 | 2500.7 | 2505.2 | 2510.1 | 2515.0 | 2522.7 | 2529.8 |
| 7.5° | 2429.0 | 2417.3 | 2405.7 | 2397.2 | 2388.7 | 2384.2 | 2388.7 | 2397.2 | 2405.7 | 2417.3 | 2429.0 |
| 10° | 2374.3 | 2357.7 | 2341.6 | 2332.6 | 2323.7 | 2317.0 | 2323.7 | 2332.6 | 2341.6 | 2357.7 | 2374.3 |
| 12.5° | 2378.8 | 2358.2 | 2338.5 | 2325.0 | 2311.6 | 2303.5 | 2311.6 | 2325.0 | 2338.5 | 2358.2 | 2378.8 |
| 15° | 2447.8 | 2419.1 | 2389.6 | 2373.0 | 2356.4 | 2343.8 | 2356.4 | 2373.0 | 2389.6 | 2419.1 | 2447.8 |
| 17.5° | 2536.6 | 2494.4 | 2452.3 | 2437.5 | 2422.3 | 2415.6 | 2422.3 | 2437.5 | 2452.3 | 2494.4 | 2536.6 |
| 20° | 2602.9 | 2546.4 | 2490.8 | 2468.4 | 2446.0 | 2438.0 | 2446.0 | 2468.4 | 2490.8 | 2546.4 | 2602.9 |
| 22.5° | 2618.1 | 2551.8 | 2485.0 | 2464.0 | 2442.4 | 2433.5 | 2442.4 | 2464.0 | 2485.0 | 2551.8 | 2618.1 |
| 25° | 2579.1 | 2509.2 | 2438.9 | 2417.3 | 2395.4 | 2388.7 | 2395.4 | 2417.3 | 2438.9 | 2509.2 | 2579.1 |
| 27.5° | 2483.7 | 2421.8 | 2359.5 | 2336.7 | 2313.4 | 2299.0 | 2313.4 | 2336.7 | 2359.5 | 2421.8 | 2483.7 |
| 30° | 2328.2 | 2282.0 | 2236.3 | 2221.9 | 2207.2 | 2200.4 | 2207.2 | 2221.9 | 2236.3 | 2282.0 | 2328.2 |
| 32.5° | 2155.6 | 2126.9 | 2098.3 | 2088.8 | 2079.4 | 2075.0 | 2079.4 | 2088.8 | 2098.3 | 2126.9 | 2155.6 |
| 35° | 1998.8 | 1978.2 | 1957.5 | 1949.9 | 1942.7 | 1936.0 | 1942.7 | 1949.9 | 1957.5 | 1978.2 | 1998.8 |
| 37.5° | 1883.1 | 1858.9 | 1833.8 | 1820.4 | 1807.0 | 1797.1 | 1807.0 | 1820.4 | 1833.8 | 1858.9 | 1883.1 |
| 40° | 1783.7 | 1748.7 | 1714.2 | 1695.8 | 1677.0 | 1667.1 | 1677.0 | 1695.8 | 1714.2 | 1748.7 | 1783.7 |
| 42.5° | 1687.3 | 1647.0 | 1606.6 | 1578.4 | 1550.6 | 1532.7 | 1550.6 | 1578.4 | 1606.6 | 1647.0 | 1687.3 |
| 45° | 1600.8 | 1555.5 | 1510.3 | 1476.7 | 1443.1 | 1420.6 | 1443.1 | 1476.7 | 1510.3 | 1555.5 | 1600.8 |
| 47.5° | 1539.4 | 1500.4 | 1461.0 | 1431.4 | 1401.8 | 1380.3 | 1401.8 | 1431.4 | 1461.0 | 1500.4 | 1539.4 |
| 50° | 1509.4 | 1478.5 | 1447.5 | 1419.8 | 1391.5 | 1371.4 | 1391.5 | 1419.8 | 1447.5 | 1478.5 | 1509.4 |
| 52.5° | 1482.5 | 1460.1 | 1437.7 | 1413.5 | 1389.3 | 1371.4 | 1389.3 | 1413.5 | 1437.7 | 1460.1 | 1482.5 |
| 55° | 1440.8 | 1424.7 | 1408.1 | 1390.2 | 1372.2 | 1357.9 | 1372.2 | 1390.2 | 1408.1 | 1424.7 | 1440.8 |
| 57.5° | 1394.7 | 1377.6 | 1360.1 | 1346.7 | 1333.3 | 1326.5 | 1333.3 | 1346.7 | 1360.1 | 1377.6 | 1394.7 |
| 60° | 1331.9 | 1318.5 | 1305.0 | 1292.5 | 1279.5 | 1268.3 | 1279.5 | 1292.5 | 1305.0 | 1318.5 | 1331.9 |
| 62.5° | 1230.2 | 1223.9 | 1218.1 | 1203.7 | 1189.9 | 1174.2 | 1189.9 | 1203.7 | 1218.1 | 1223.9 | 1230.2 |
| 65° | *1110.5* | *1107.4* | *1104.7* | *1094.4* | *1084.5* | *1066.6* | *1084.5* | *1094.4* | *1104.7* | *1107.4* | *1110.5* |
| 67.5° | 986.8 | 981.0 | 974.7 | 964.0 | 953.7 | 950.1 | 953.7 | 964.0 | 974.7 | 981.0 | 986.8 |
| 70° | 873.9 | 864.9 | 856.0 | 831.8 | 807.6 | 779.8 | 807.6 | 831.8 | 856.0 | 864.9 | 873.9 |
| 72.5° | 768.6 | 754.7 | 740.4 | 712.1 | 683.4 | 654.3 | 683.4 | 712.1 | 740.4 | 754.7 | 768.6 |
| 75° | 656.5 | 636.8 | 617.6 | 587.5 | 558.0 | 537.8 | 558.0 | 587.5 | 617.6 | 636.8 | 656.5 |
| 77.5° | 514.5 | 497.5 | 480.4 | 462.5 | 444.6 | 434.7 | 444.6 | 462.5 | 480.4 | 497.5 | 514.5 |
| 80° | 368.4 | 355.8 | 342.8 | 333.9 | 324.9 | 318.2 | 324.9 | 333.9 | 342.8 | 355.8 | 368.4 |
| 82.5° | 226.3 | 220.5 | 215.1 | 205.3 | 194.9 | 188.2 | 194.9 | 205.3 | 215.1 | 220.5 | 226.3 |
| 85° | 87.4 | 86.0 | 85.1 | 81.6 | 78.4 | 76.2 | 78.4 | 81.6 | 85.1 | 86.0 | 87.4 |
| 87.5° | 32.3 | 29.6 | 26.9 | 25.1 | 23.3 | 22.4 | 23.3 | 25.1 | 26.9 | 29.6 | 32.3 |
| 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: P1364345
CATALOG NUMBER: GSS-SB3C-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 2702.8 | 2712.2 | 2726.6 | 2740.5 | 2760.2 | 2779.5 | 2796.0 | 2812.2 | 2830.5 | 2849.4 | 2873.1 |
| 5° | 2547.3 | 2564.3 | 2585.4 | 2606.0 | 2632.5 | 2658.5 | 2688.0 | 2716.7 | 2751.7 | 2786.6 | 2828.8 |
| 7.5° | 2448.7 | 2468.4 | 2498.9 | 2529.8 | 2562.5 | 2594.8 | 2633.4 | 2671.9 | 2717.6 | 2762.9 | 2814.9 |
| 10° | 2403.0 | 2432.6 | 2466.6 | 2500.7 | 2543.3 | 2585.9 | 2626.6 | 2667.4 | 2714.0 | 2760.6 | 2815.3 |
| 12.5° | 2415.1 | 2451.4 | 2497.1 | 2543.3 | 2594.4 | 2645.0 | 2682.7 | 2720.3 | 2752.6 | 2785.3 | 2830.5 |
| 15° | 2500.3 | 2552.2 | 2616.3 | 2680.0 | 2727.0 | 2774.1 | 2787.1 | 2800.1 | 2802.8 | 2805.4 | 2835.0 |
| 17.5° | 2613.6 | 2691.2 | 2780.8 | 2870.4 | 2903.6 | 2936.3 | 2910.8 | 2885.2 | 2840.9 | 2796.5 | 2800.5 |
| 20° | 2704.6 | 2806.3 | 2923.8 | 3040.7 | 3043.9 | 3047.5 | 2978.4 | 2909.4 | 2822.9 | 2736.0 | 2710.9 |
| 22.5° | 2743.6 | 2869.1 | 2984.3 | 3099.0 | 3073.9 | 3048.3 | 2948.9 | 2849.4 | 2736.0 | 2622.6 | 2585.4 |
| 25° | 2700.6 | 2822.5 | 2917.0 | 3011.6 | 2964.1 | 2916.6 | 2809.5 | 2702.4 | 2597.5 | 2492.6 | 2451.9 |
| 27.5° | 2582.3 | 2680.9 | 2738.7 | 2796.5 | 2743.2 | 2689.8 | 2603.8 | 2517.7 | 2439.8 | 2361.8 | 2322.3 |
| 30° | 2398.5 | 2469.3 | 2507.4 | 2545.5 | 2502.9 | 2460.4 | 2402.1 | 2343.8 | 2287.4 | 2230.9 | 2200.4 |
| 32.5° | 2202.2 | 2248.8 | 2278.4 | 2308.0 | 2284.7 | 2260.9 | 2217.9 | 2174.4 | 2137.7 | 2100.9 | 2088.0 |
| 35° | 2040.0 | 2081.7 | 2106.3 | 2131.0 | 2113.0 | 2095.1 | 2059.7 | 2024.8 | 2000.6 | 1976.4 | 1987.1 |
| 37.5° | 1918.5 | 1954.0 | 1971.9 | 1989.8 | 1963.8 | 1938.3 | 1908.7 | 1878.7 | 1867.9 | 1856.3 | 1885.8 |
| 40° | 1817.3 | 1850.9 | 1854.5 | 1857.6 | 1825.8 | 1793.5 | 1765.3 | 1736.6 | 1737.9 | 1738.8 | 1781.9 |
| 42.5° | 1715.5 | 1743.3 | 1736.6 | 1729.9 | 1695.8 | 1661.8 | 1633.5 | 1605.3 | 1611.1 | 1616.9 | 1671.6 |
| 45° | 1626.4 | 1651.4 | 1635.8 | 1620.1 | 1582.4 | 1545.2 | 1520.1 | 1495.9 | 1504.9 | 1513.9 | 1569.4 |
| 47.5° | 1556.0 | 1573.0 | 1556.0 | 1539.4 | 1497.7 | 1456.5 | 1430.5 | 1405.0 | 1410.8 | 1416.2 | 1464.6 |
| 50° | 1512.5 | 1515.7 | 1485.2 | 1454.3 | 1421.5 | 1389.3 | 1361.5 | 1333.3 | 1326.5 | 1319.8 | 1359.7 |
| 52.5° | 1477.1 | 1472.2 | 1439.5 | 1407.2 | 1373.6 | 1340.0 | 1314.0 | 1288.4 | 1267.8 | 1246.8 | 1276.8 |
| 55° | 1434.1 | 1427.4 | 1397.3 | 1366.9 | 1335.5 | 1304.1 | 1273.2 | 1242.3 | 1212.7 | 1183.1 | 1216.3 |
| 57.5° | 1389.3 | 1383.9 | 1348.5 | 1313.1 | 1281.7 | 1250.4 | 1216.7 | 1183.1 | 1153.5 | 1124.0 | 1170.1 |
| 60° | 1324.7 | 1317.6 | 1281.7 | 1245.9 | 1213.6 | 1180.9 | 1146.8 | 1112.3 | 1093.0 | 1073.3 | 1131.6 |
| 62.5° | 1219.4 | 1209.1 | 1174.6 | 1140.6 | 1113.7 | 1086.8 | 1048.2 | 1009.2 | 1007.5 | 1004.8 | 1080.9 |
| 65° | *1100.2* | *1089.9* | *1060.3* | *1030.8* | *1009.2* | *988.2* | *951.0* | *914.2* | *923.2* | *932.2* | *1013.7* |
| 67.5° | 975.2 | 963.5 | 943.4 | 923.2 | 905.7 | 888.2 | 854.2 | 820.1 | 838.5 | 856.9 | 929.5 |
| 70° | 867.6 | 861.4 | 845.2 | 829.1 | 813.8 | 798.6 | 770.8 | 743.0 | 754.7 | 766.3 | 809.4 |
| 72.5° | 764.6 | 761.0 | 745.7 | 730.5 | 717.5 | 704.5 | 683.4 | 662.4 | 670.4 | 679.0 | 688.4 |
| 75° | 649.8 | 643.1 | 627.4 | 611.7 | 601.4 | 591.6 | 575.4 | 559.3 | 565.1 | 571.4 | 576.3 |
| 77.5° | 511.8 | 510.0 | 497.0 | 484.0 | 474.6 | 465.2 | 450.4 | 435.6 | 442.8 | 449.1 | 461.2 |
| 80° | 368.4 | 368.4 | 358.1 | 347.3 | 344.2 | 340.6 | 329.8 | 319.1 | 324.5 | 329.4 | 344.2 |
| 82.5° | 222.3 | 218.7 | 207.9 | 197.2 | 201.7 | 206.2 | 208.4 | 210.6 | 214.2 | 217.4 | 217.4 |
| 85° | 84.7 | 81.6 | 82.5 | 82.9 | 84.7 | 86.0 | 93.2 | 99.5 | 104.9 | 109.8 | 109.3 |
| 87.5° | 35.9 | 39.4 | 40.8 | 42.6 | 44.4 | 45.7 | 43.9 | 41.2 | 39.4 | 36.7 | 34.1 |
| 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: P1364345
CATALOG NUMBER: GSS-SB3C-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 2897.3 | 2919.7 | 2945.3 | 2970.8 | 2995.9 | 3022.4 | 3048.3 | 3074.3 | 3100.3 | 3128.6 | 3157.2 |
| 5° | 2871.8 | 2915.2 | 2965.9 | 3014.3 | 3063.1 | 3114.7 | 3166.2 | 3218.6 | 3271.5 | 3321.7 | 3372.4 |
| 7.5° | 2867.3 | 2919.7 | 2986.9 | 3051.5 | 3115.6 | 3187.3 | 3259.0 | 3339.2 | 3419.4 | 3504.6 | 3589.7 |
| 10° | 2870.4 | 2926.4 | 2998.2 | 3072.1 | 3146.0 | 3234.8 | 3323.1 | 3423.0 | 3522.5 | 3624.7 | 3726.4 |
| 12.5° | 2876.3 | 2930.9 | 3009.4 | 3090.5 | 3172.0 | 3271.1 | 3370.1 | 3481.7 | 3593.3 | 3694.6 | 3795.9 |
| 15° | 2864.6 | 2913.0 | 3000.4 | 3092.3 | 3184.1 | 3291.2 | 3397.9 | 3511.3 | 3624.7 | 3726.9 | 3829.5 |
| 17.5° | 2804.6 | 2845.8 | 2948.0 | 3054.6 | 3161.7 | 3283.2 | 3405.1 | 3526.1 | 3647.1 | 3742.5 | 3838.4 |
| 20° | 2685.3 | 2711.3 | 2846.7 | 2987.4 | 3128.1 | 3271.1 | 3414.0 | 3544.0 | 3674.0 | 3770.8 | 3867.6 |
| 22.5° | 2547.8 | 2572.4 | 2733.7 | 2910.3 | 3086.9 | 3261.7 | 3436.4 | 3579.0 | 3721.9 | 3810.2 | 3898.9 |
| 25° | 2411.1 | 2413.3 | 2598.4 | 2818.4 | 3038.5 | 3260.8 | 3483.1 | 3639.0 | 3795.0 | 3871.6 | 3948.2 |
| 27.5° | 2283.3 | 2272.1 | 2461.3 | 2724.3 | 2986.9 | 3269.3 | 3551.6 | 3726.9 | 3902.5 | 3961.2 | 4019.9 |
| 30° | 2170.0 | 2157.9 | 2341.6 | 2642.3 | 2943.5 | 3287.7 | 3632.3 | 3830.8 | 4028.9 | 4074.6 | 4120.8 |
| 32.5° | 2075.0 | 2075.0 | 2244.4 | 2570.6 | 2897.3 | 3308.3 | 3719.7 | 3953.2 | 4186.7 | 4215.3 | 4244.0 |
| 35° | 1997.9 | 2025.7 | 2156.5 | 2489.0 | 2821.1 | 3303.3 | 3786.0 | 4083.1 | 4380.7 | 4416.6 | 4452.4 |
| 37.5° | 1914.5 | 1967.4 | 2070.5 | 2398.5 | 2727.0 | 3289.5 | 3851.9 | 4241.8 | 4631.7 | 4674.3 | 4716.8 |
| 40° | 1824.9 | 1891.2 | 1972.8 | 2290.5 | 2608.3 | 3258.1 | 3907.9 | 4423.3 | 4938.7 | 5022.9 | 5106.7 |
| 42.5° | 1726.3 | 1808.3 | 1865.2 | 2161.9 | 2458.1 | 3203.9 | 3949.1 | 4624.1 | 5298.1 | 5476.0 | 5653.5 |
| 45° | 1625.9 | 1707.5 | 1759.0 | 2031.0 | 2303.5 | 3166.7 | 4029.8 | 4896.5 | 5763.3 | 6047.8 | 6332.4 |
| 47.5° | 1512.5 | 1588.7 | 1648.3 | 1901.1 | 2154.7 | 3123.2 | 4091.7 | 5176.6 | 6261.6 | 6621.9 | 6982.2 |
| 50° | 1399.1 | 1474.4 | 1556.0 | 1785.4 | 2014.5 | 3049.2 | 4083.6 | 5420.9 | 6758.2 | 7246.7 | 7735.1 |
| 52.5° | 1306.4 | 1387.0 | 1491.5 | 1681.5 | 1872.4 | 2897.8 | 3923.6 | 5536.5 | 7149.0 | 7925.2 | 8700.9 |
| 55° | 1249.5 | 1344.5 | 1448.4 | 1594.5 | 1739.7 | 2697.0 | 3653.4 | 5506.0 | 7358.7 | 8606.8 | 9854.9 |
| 57.5° | 1216.7 | 1333.3 | 1420.6 | 1521.0 | 1621.4 | 2486.8 | 3352.2 | 5339.8 | 7327.3 | 9179.1 | 11031.3 |
| 60° | 1189.9 | 1306.4 | 1374.9 | 1445.3 | 1515.7 | 2221.1 | 2926.4 | 4941.4 | 6956.3 | 9435.4 | 11914.2 |
| 62.5° | 1157.1 | 1268.3 | 1297.4 | 1336.4 | 1375.8 | 1884.0 | 2392.2 | 4288.4 | 6184.5 | 8866.7 | 11548.9 |
| 65° | *1095.7* | *1187.6* | *1195.7* | *1203.7* | *1212.3* | *1480.7* | *1748.7* | *3363.8* | *4979.0* | *7647.8* | *10316.5* |
| 67.5° | 1001.6 | 1064.4 | 1052.3 | 1028.5 | 1004.8 | 1132.0 | 1259.3 | 2617.7 | 3976.0 | 6568.2 | 9160.3 |
| 70° | 852.4 | 882.9 | 886.4 | 851.0 | 815.6 | 860.5 | 905.3 | 2005.9 | 3106.6 | 5580.0 | 8053.3 |
| 72.5° | 698.2 | 679.0 | 714.8 | 687.9 | 661.0 | 661.5 | 662.4 | 1508.0 | 2353.7 | 4633.5 | 6912.8 |
| 75° | 581.7 | 569.2 | 554.8 | 522.5 | 490.7 | 493.4 | 496.6 | 1117.7 | 1738.8 | 3699.5 | 5660.2 |
| 77.5° | 472.8 | 470.6 | 429.3 | 394.4 | 359.4 | 357.6 | 354.9 | 722.4 | 1089.9 | 2427.2 | 3764.5 |
| 80° | 358.5 | 360.8 | 302.5 | 266.2 | 229.5 | 227.7 | 225.0 | 399.3 | 573.6 | 1391.5 | 2209.4 |
| 82.5° | 217.4 | 208.4 | 175.7 | 157.8 | 139.8 | 139.4 | 138.9 | 214.7 | 290.4 | 697.3 | 1104.7 |
| 85° | 108.5 | 103.1 | 85.1 | 73.5 | 61.8 | 58.7 | 56.0 | 68.1 | 80.7 | 165.8 | 251.0 |
| 87.5° | 31.4 | 26.9 | 24.6 | 22.4 | 20.2 | 18.8 | 17.9 | 18.4 | 18.8 | 19.7 | 20.2 |
| 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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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364345
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | *2922.0* | 2922.0 | 2922.0 |
| 2.5° | 3168.5 | 3179.7 | 3191.8 | 3204.3 | 3211.5 | 3218.6 | 3226.3 | 3233.4 | *3240.2* | 3233.4 | 3226.3 |
| 5° | 3423.0 | 3473.2 | 3507.3 | 3541.3 | 3567.3 | 3593.3 | 3608.1 | 3623.3 | *3625.6* | 3623.3 | 3608.1 |
| 7.5° | 3649.8 | 3709.8 | 3761.8 | 3813.8 | 3847.0 | 3880.1 | 3899.4 | 3919.1 | *3925.8* | 3919.1 | 3899.4 |
| 10° | 3796.8 | 3867.6 | 3917.8 | 3968.4 | 3999.3 | 4029.8 | 4045.0 | 4060.3 | *4064.8* | 4060.3 | 4045.0 |
| 12.5° | 3863.5 | 3931.2 | 3970.2 | 4008.7 | 4028.5 | 4047.7 | 4054.9 | 4061.2 | *4055.8* | 4061.2 | 4054.9 |
| 15° | 3869.4 | 3908.8 | 3925.4 | 3941.5 | 3932.1 | 3922.2 | 3908.4 | 3894.5 | *3885.5* | 3894.5 | 3908.4 |
| 17.5° | 3852.3 | 3866.7 | 3836.7 | 3807.1 | 3753.3 | 3699.5 | 3659.2 | 3618.8 | *3589.7* | 3618.8 | 3659.2 |
| 20° | 3845.2 | 3822.8 | 3743.0 | 3663.7 | 3562.8 | 3462.0 | 3394.3 | 3326.2 | *3285.0* | 3326.2 | 3394.3 |
| 22.5° | 3835.8 | 3772.6 | 3638.6 | 3504.6 | 3366.5 | 3229.0 | 3151.0 | 3073.4 | *3029.5* | 3073.4 | 3151.0 |
| 25° | 3839.8 | 3730.9 | 3549.8 | 3369.2 | 3207.0 | 3045.2 | 2960.5 | 2876.3 | *2827.9* | 2876.3 | 2960.5 |
| 27.5° | 3854.1 | 3688.3 | 3464.2 | 3240.2 | 3064.5 | 2888.4 | 2807.7 | 2727.0 | *2684.4* | 2727.0 | 2807.7 |
| 30° | 3900.7 | 3680.2 | 3412.2 | 3143.8 | 2960.1 | 2776.3 | 2697.4 | 2618.1 | *2572.4* | 2618.1 | 2697.4 |
| 32.5° | 3966.2 | 3688.3 | 3388.0 | 3087.8 | 2900.5 | 2713.6 | 2637.8 | 2562.5 | *2523.1* | 2562.5 | 2637.8 |
| 35° | 4100.6 | 3748.8 | 3415.8 | 3083.3 | 2909.4 | 2736.0 | 2680.4 | 2625.3 | *2603.8* | 2625.3 | 2680.4 |
| 37.5° | 4305.9 | 3894.5 | 3551.6 | 3208.8 | 3090.5 | 2972.2 | 2972.2 | 2972.2 | *2989.2* | 2972.2 | 2972.2 |
| 40° | 4645.1 | 4183.5 | 3859.1 | 3535.0 | 3527.9 | 3521.6 | 3596.9 | 3672.6 | *3706.2* | 3672.6 | 3596.9 |
| 42.5° | 5165.4 | 4677.8 | 4416.1 | 4154.4 | 4311.2 | 4468.1 | 4685.9 | 4903.7 | *5046.2* | 4903.7 | 4685.9 |
| 45° | 5857.4 | 5382.3 | 5199.5 | 5017.1 | 5366.2 | 5714.9 | 6099.8 | 6484.8 | *6758.2* | 6484.8 | 6099.8 |
| 47.5° | 6582.5 | 6182.3 | 6077.9 | 5973.9 | 6554.3 | 7134.6 | 7698.8 | 8263.1 | *8595.6* | 8263.1 | 7698.8 |
| 50° | 7375.7 | 7015.9 | 6995.7 | 6975.5 | 7748.6 | 8521.7 | 9249.9 | 9978.2 | *10383.7* | 9978.2 | 9249.9 |
| 52.5° | 8306.1 | 7910.8 | 7927.0 | 7942.2 | 8860.5 | 9778.7 | 10659.4 | 11540.0 | *11997.1* | 11540.0 | 10659.4 |
| 55° | 9359.7 | 8864.5 | 8861.8 | 8859.1 | 9914.1 | 10969.9 | 12051.8 | 13134.5 | *13744.9* | 13134.5 | 12051.8 |
| 57.5° | 10567.5 | 10103.6 | 9993.4 | 9882.7 | 10986.1 | 12089.0 | 13283.7 | 14479.0 | *15120.7* | 14479.0 | 13283.7 |
| 60° | 11658.7 | 11403.3 | 11226.7 | 11050.6 | 12183.5 | 13316.9 | 14551.1 | 15784.9 | *16424.9* | 15784.9 | 14551.1 |
| 62.5° | 12005.6 | 12462.3 | 12449.3 | 12436.3 | 13659.3 | 14882.3 | 16165.8 | 17450.2 | *18024.8* | 17450.2 | 16165.8 |
| 65° | *11044.8* | *11773.0* | *12274.1* | *12774.6* | *14253.1* | *15731.1* | *17068.4* | *18405.7* | *18992.8* | *18405.7* | *17068.4* |
| 67.5° | 9802.0 | 10444.2 | 10854.3 | 11264.4 | 12930.2 | 14596.4 | 16113.8 | 17631.3 | *18235.4* | 17631.3 | 16113.8 |
| 70° | 8764.1 | 9474.9 | 9768.0 | 10061.1 | 11476.3 | 12891.2 | 14091.8 | 15291.9 | *15528.6* | 15291.9 | 14091.8 |
| 72.5° | 7758.0 | 8603.7 | 8727.8 | 8851.9 | 9881.8 | 10911.7 | 11551.2 | 12190.7 | *11674.4* | 12190.7 | 11551.2 |
| 75° | 6613.9 | 7567.1 | 7650.0 | 7732.9 | 8053.8 | 8375.1 | 8537.8 | 8700.9 | *8407.4* | 8700.9 | 8537.8 |
| 77.5° | 4590.0 | 5415.9 | 5601.9 | 5787.9 | 6001.7 | 6215.9 | 6204.7 | 6193.5 | *5781.2* | 6193.5 | 6204.7 |
| 80° | 2855.2 | 3501.0 | 3525.2 | 3549.4 | 3709.8 | 3869.8 | 4033.4 | 4197.0 | *3934.8* | 4197.0 | 4033.4 |
| 82.5° | 1459.2 | 1814.1 | 1868.8 | 1923.5 | 2021.6 | 2119.8 | 2165.5 | 2211.6 | *1989.8* | 2211.6 | 2165.5 |
| 85° | 343.3 | 435.6 | 524.8 | 614.0 | 717.0 | 820.1 | 808.5 | 796.8 | *672.2* | 796.8 | 808.5 |
| 87.5° | 20.6 | 21.5 | 22.0 | 22.4 | 22.9 | 23.3 | 24.6 | 26.0 | *26.9* | 26.0 | 24.6 |
| 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: P1364345
CATALOG NUMBER: GSS-SB3C-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 | 2922.0 |
| 2.5° | 3218.6 | 3211.5 | 3204.3 | 3191.8 | 3179.7 | 3168.5 | 3157.2 |
| 5° | 3593.3 | 3567.3 | 3541.3 | 3507.3 | 3473.2 | 3423.0 | 3372.4 |
| 7.5° | 3880.1 | 3847.0 | 3813.8 | 3761.8 | 3709.8 | 3649.8 | 3589.7 |
| 10° | 4029.8 | 3999.3 | 3968.4 | 3917.8 | 3867.6 | 3796.8 | 3726.4 |
| 12.5° | 4047.7 | 4028.5 | 4008.7 | 3970.2 | 3931.2 | 3863.5 | 3795.9 |
| 15° | 3922.2 | 3932.1 | 3941.5 | 3925.4 | 3908.8 | 3869.4 | 3829.5 |
| 17.5° | 3699.5 | 3753.3 | 3807.1 | 3836.7 | 3866.7 | 3852.3 | 3838.4 |
| 20° | 3462.0 | 3562.8 | 3663.7 | 3743.0 | 3822.8 | 3845.2 | 3867.6 |
| 22.5° | 3229.0 | 3366.5 | 3504.6 | 3638.6 | 3772.6 | 3835.8 | 3898.9 |
| 25° | 3045.2 | 3207.0 | 3369.2 | 3549.8 | 3730.9 | 3839.8 | 3948.2 |
| 27.5° | 2888.4 | 3064.5 | 3240.2 | 3464.2 | 3688.3 | 3854.1 | 4019.9 |
| 30° | 2776.3 | 2960.1 | 3143.8 | 3412.2 | 3680.2 | 3900.7 | 4120.8 |
| 32.5° | 2713.6 | 2900.5 | 3087.8 | 3388.0 | 3688.3 | 3966.2 | 4244.0 |
| 35° | 2736.0 | 2909.4 | 3083.3 | 3415.8 | 3748.8 | 4100.6 | 4452.4 |
| 37.5° | 2972.2 | 3090.5 | 3208.8 | 3551.6 | 3894.5 | 4305.9 | 4716.8 |
| 40° | 3521.6 | 3527.9 | 3535.0 | 3859.1 | 4183.5 | 4645.1 | 5106.7 |
| 42.5° | 4468.1 | 4311.2 | 4154.4 | 4416.1 | 4677.8 | 5165.4 | 5653.5 |
| 45° | 5714.9 | 5366.2 | 5017.1 | 5199.5 | 5382.3 | 5857.4 | 6332.4 |
| 47.5° | 7134.6 | 6554.3 | 5973.9 | 6077.9 | 6182.3 | 6582.5 | 6982.2 |
| 50° | 8521.7 | 7748.6 | 6975.5 | 6995.7 | 7015.9 | 7375.7 | 7735.1 |
| 52.5° | 9778.7 | 8860.5 | 7942.2 | 7927.0 | 7910.8 | 8306.1 | 8700.9 |
| 55° | 10969.9 | 9914.1 | 8859.1 | 8861.8 | 8864.5 | 9359.7 | 9854.9 |
| 57.5° | 12089.0 | 10986.1 | 9882.7 | 9993.4 | 10103.6 | 10567.5 | 11031.3 |
| 60° | 13316.9 | 12183.5 | 11050.6 | 11226.7 | 11403.3 | 11658.7 | 11914.2 |
| 62.5° | 14882.3 | 13659.3 | 12436.3 | 12449.3 | 12462.3 | 12005.6 | 11548.9 |
| 65° | *15731.1* | *14253.1* | *12774.6* | *12274.1* | *11773.0* | *11044.8* | *10316.5* |
| 67.5° | 14596.4 | 12930.2 | 11264.4 | 10854.3 | 10444.2 | 9802.0 | 9160.3 |
| 70° | 12891.2 | 11476.3 | 10061.1 | 9768.0 | 9474.9 | 8764.1 | 8053.3 |
| 72.5° | 10911.7 | 9881.8 | 8851.9 | 8727.8 | 8603.7 | 7758.0 | 6912.8 |
| 75° | 8375.1 | 8053.8 | 7732.9 | 7650.0 | 7567.1 | 6613.9 | 5660.2 |
| 77.5° | 6215.9 | 6001.7 | 5787.9 | 5601.9 | 5415.9 | 4590.0 | 3764.5 |
| 80° | 3869.8 | 3709.8 | 3549.4 | 3525.2 | 3501.0 | 2855.2 | 2209.4 |
| 82.5° | 2119.8 | 2021.6 | 1923.5 | 1868.8 | 1814.1 | 1459.2 | 1104.7 |
| 85° | 820.1 | 717.0 | 614.0 | 524.8 | 435.6 | 343.3 | 251.0 |
| 87.5° | 23.3 | 22.9 | 22.4 | 22.0 | 21.5 | 20.6 | 20.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

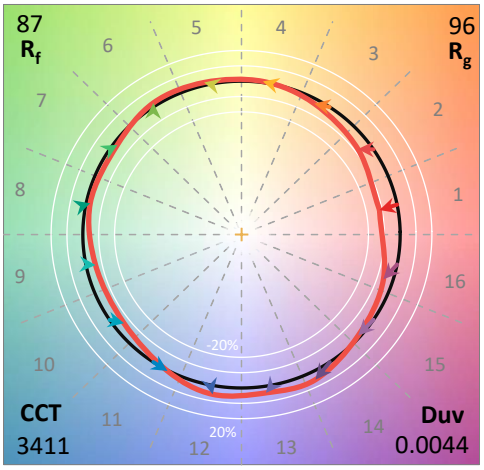
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-10 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-835-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS |

## Spectral Parameters

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

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




## Test Conditions

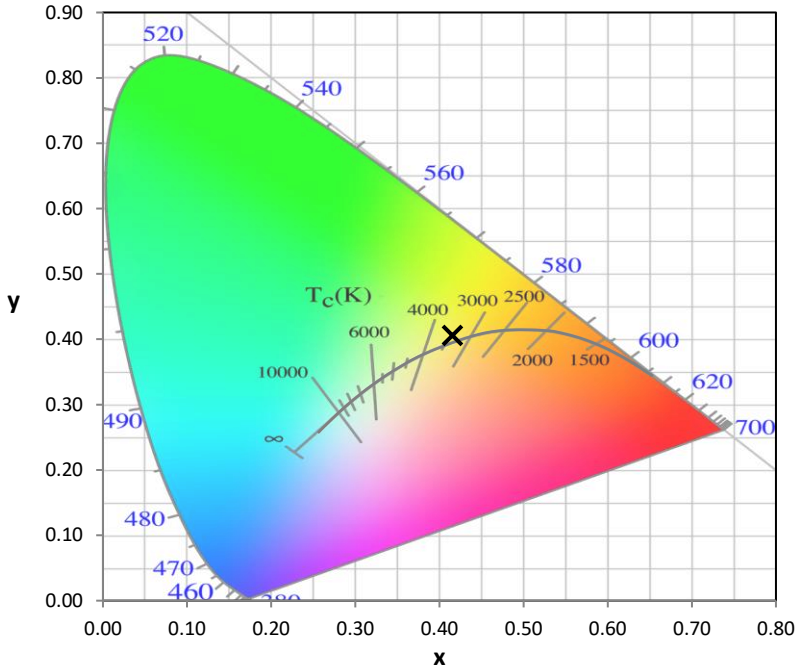
| | |
|---|---|
| Stabilization Time: | 35M |
| Operation Time: | 1H 35M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-10

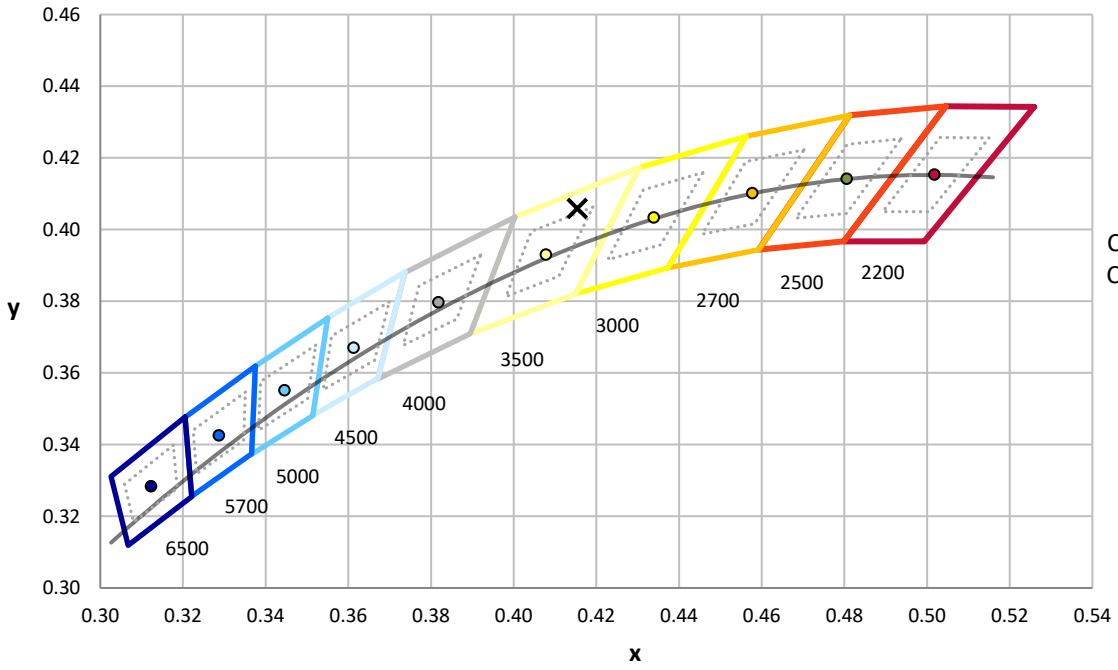
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

REPORT NUMBER: SP1-2407-184-10

## CIE 1931 Chromaticity Diagram




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

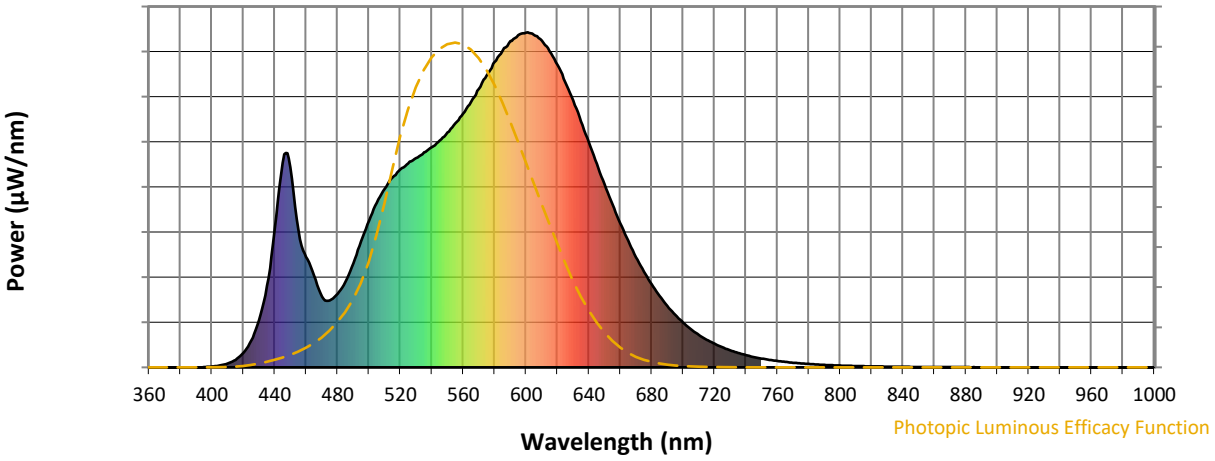



CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

## Photopic Flux vs. Wavelength

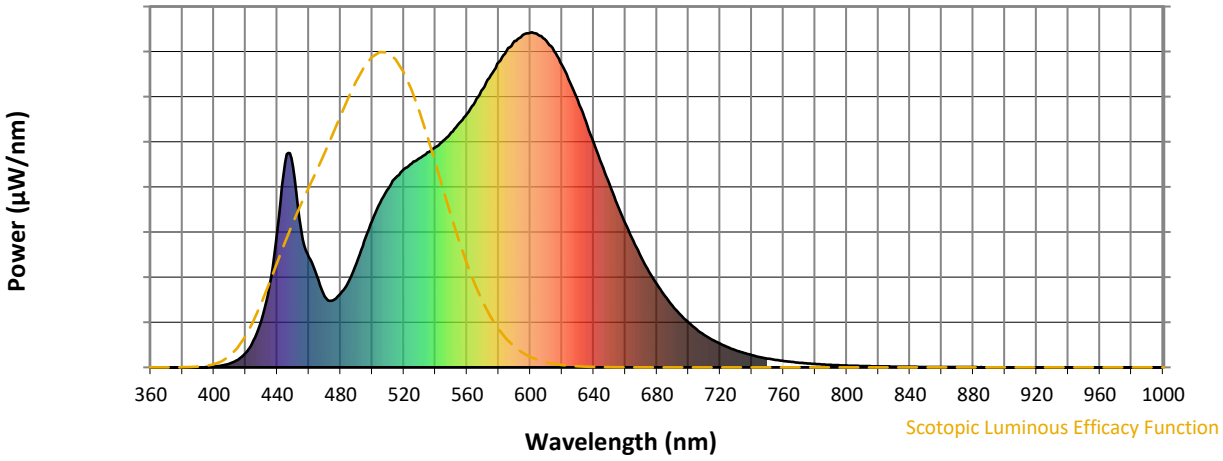



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Scotopic Flux vs. Wavelength

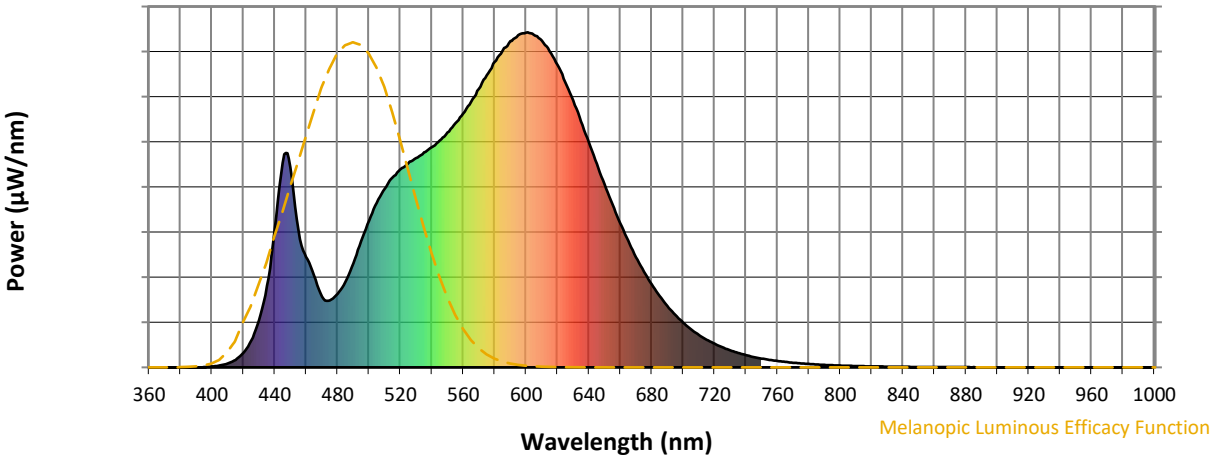



**Scotopic Lumens: NR** **S/P: 1.48**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Melanopic Flux vs. Wavelength




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

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

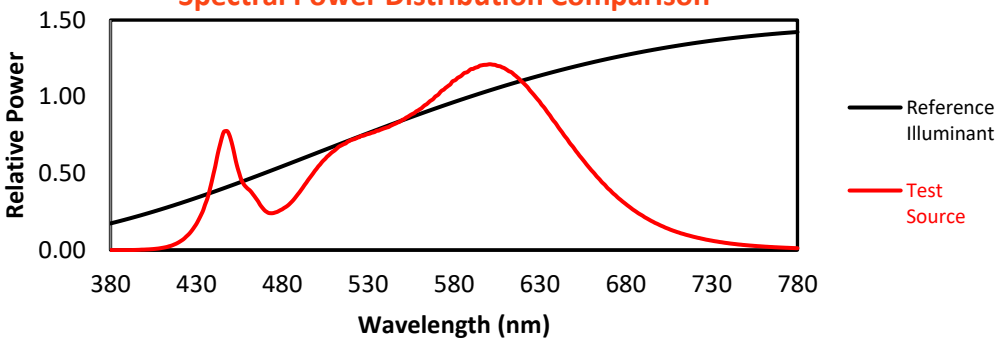
REPORT NUMBER: SP1-2407-184-10

# TM-30-18

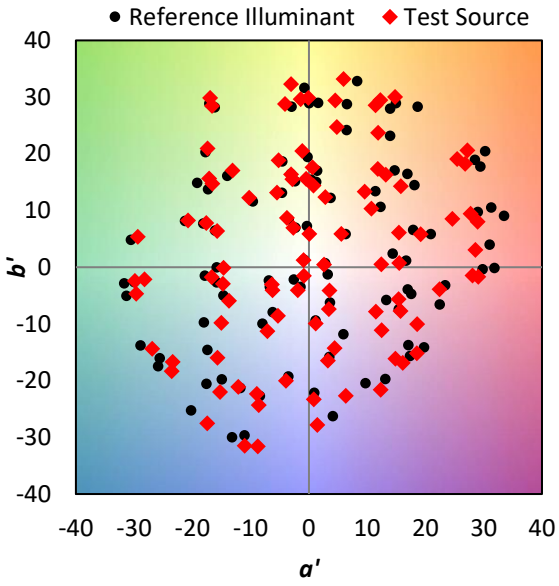
## Summary

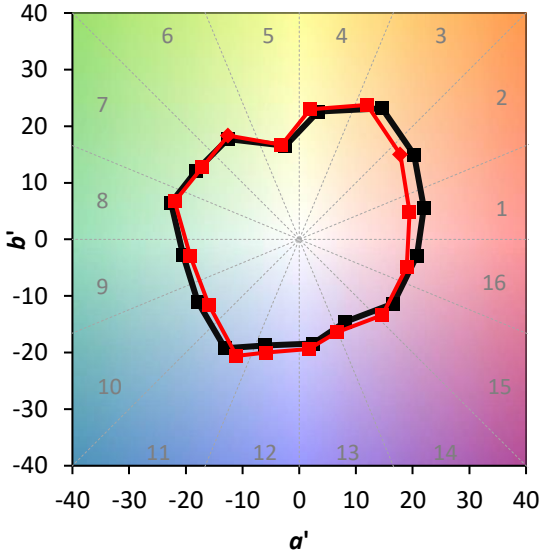
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$R_g$ = 95.9
CIE $R_a$ = 83.5
$R_9$ = 6.3

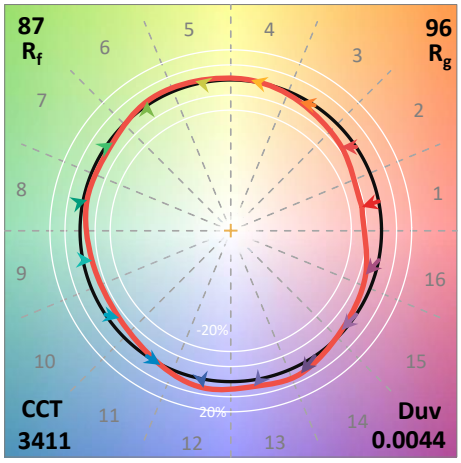
## Spectral Power Distribution Comparison

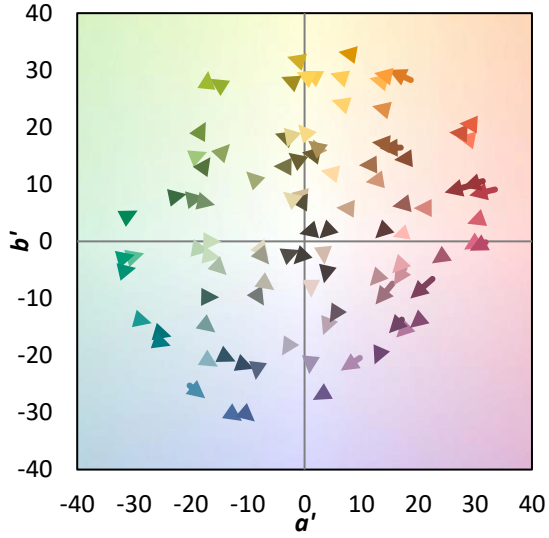



## Color Vector Graphics



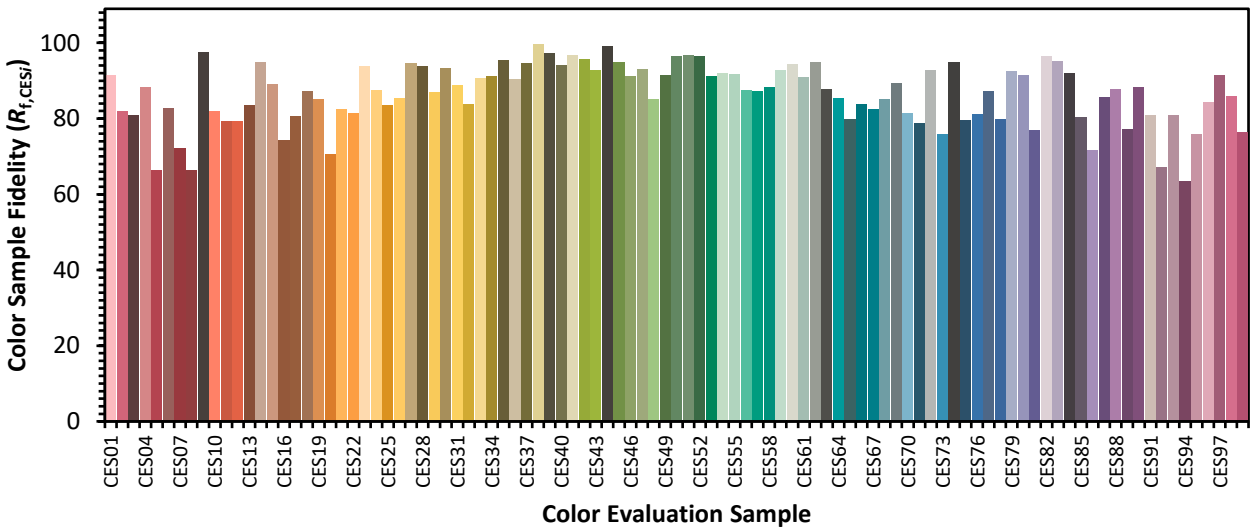



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**Individual Sample Fidelity Index ($R_{f,i}$)**

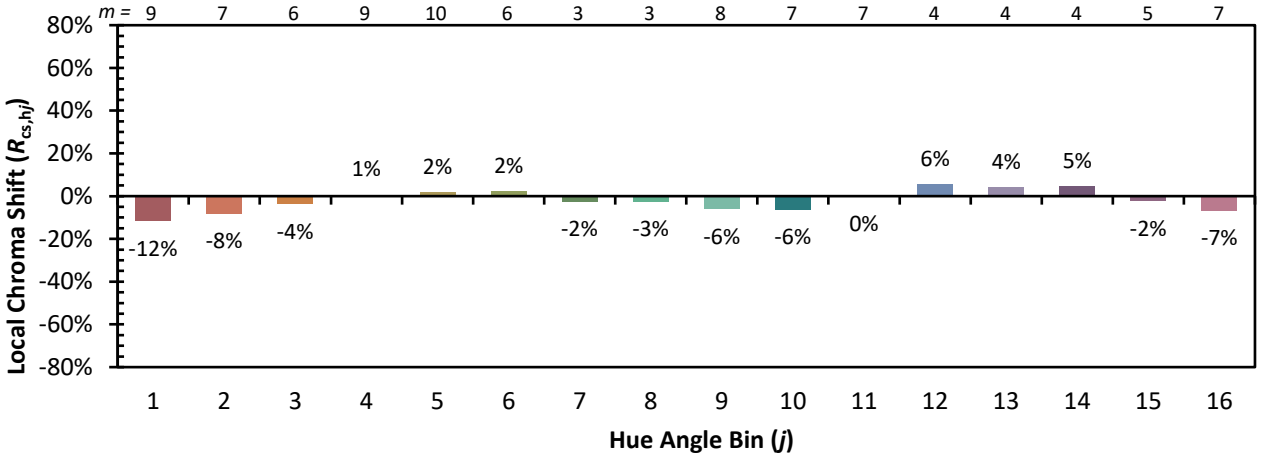
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 85 | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95 | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94 | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87 | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93 | CES55 = 92 | CES80 = 91 |
| CES06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

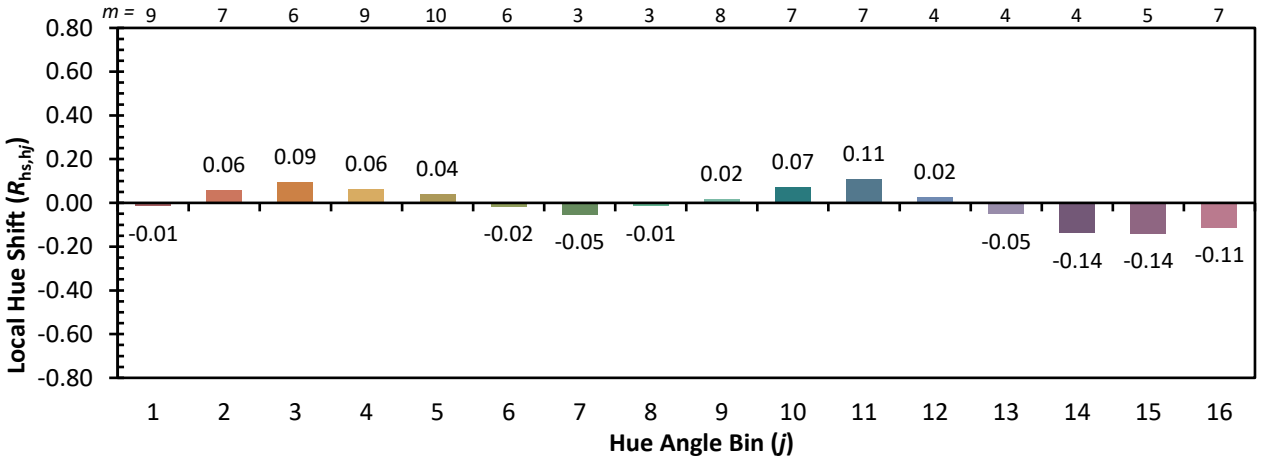


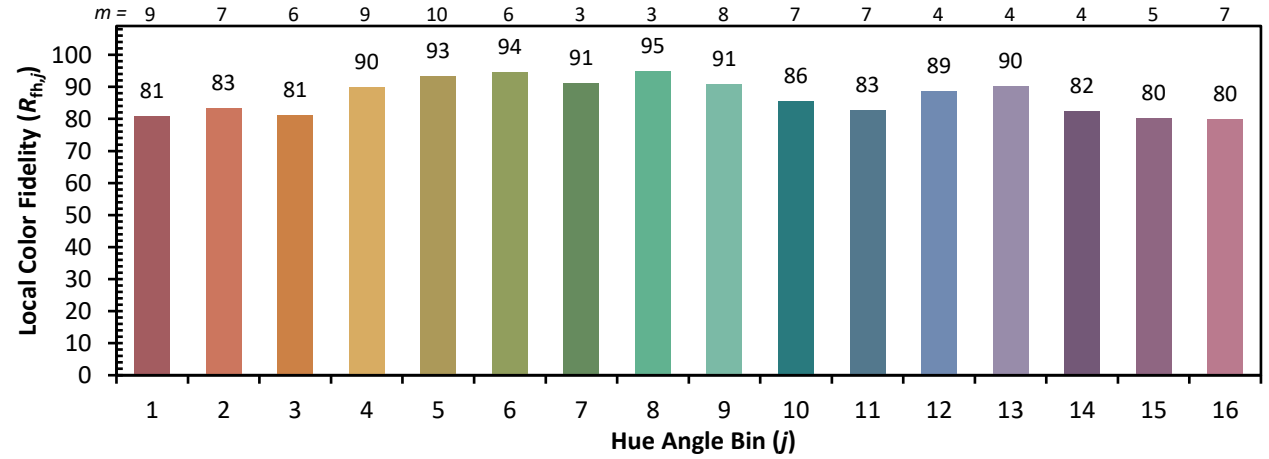
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## Color Rendition by Hue-Angle Bin



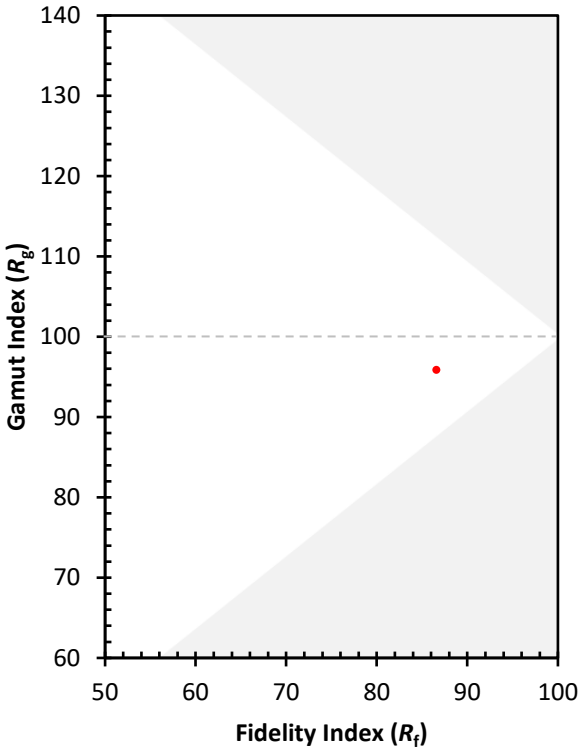



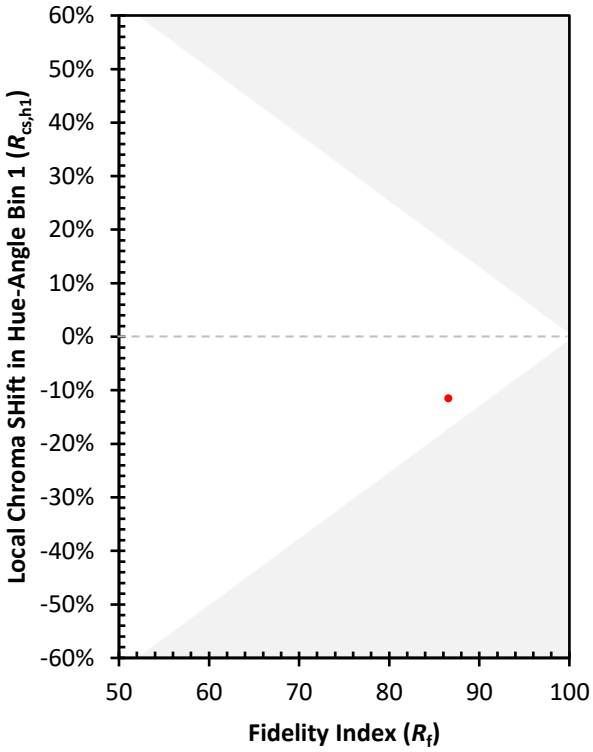



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## Measure Comparisons




(END OF REPORT)