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: P1365056

Luminaire Tested: **GSS-SB1B-827-U-SLL**

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: | P1365056 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1B-827-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (26) 2700K 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: | 4234.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 105.9 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G1 |

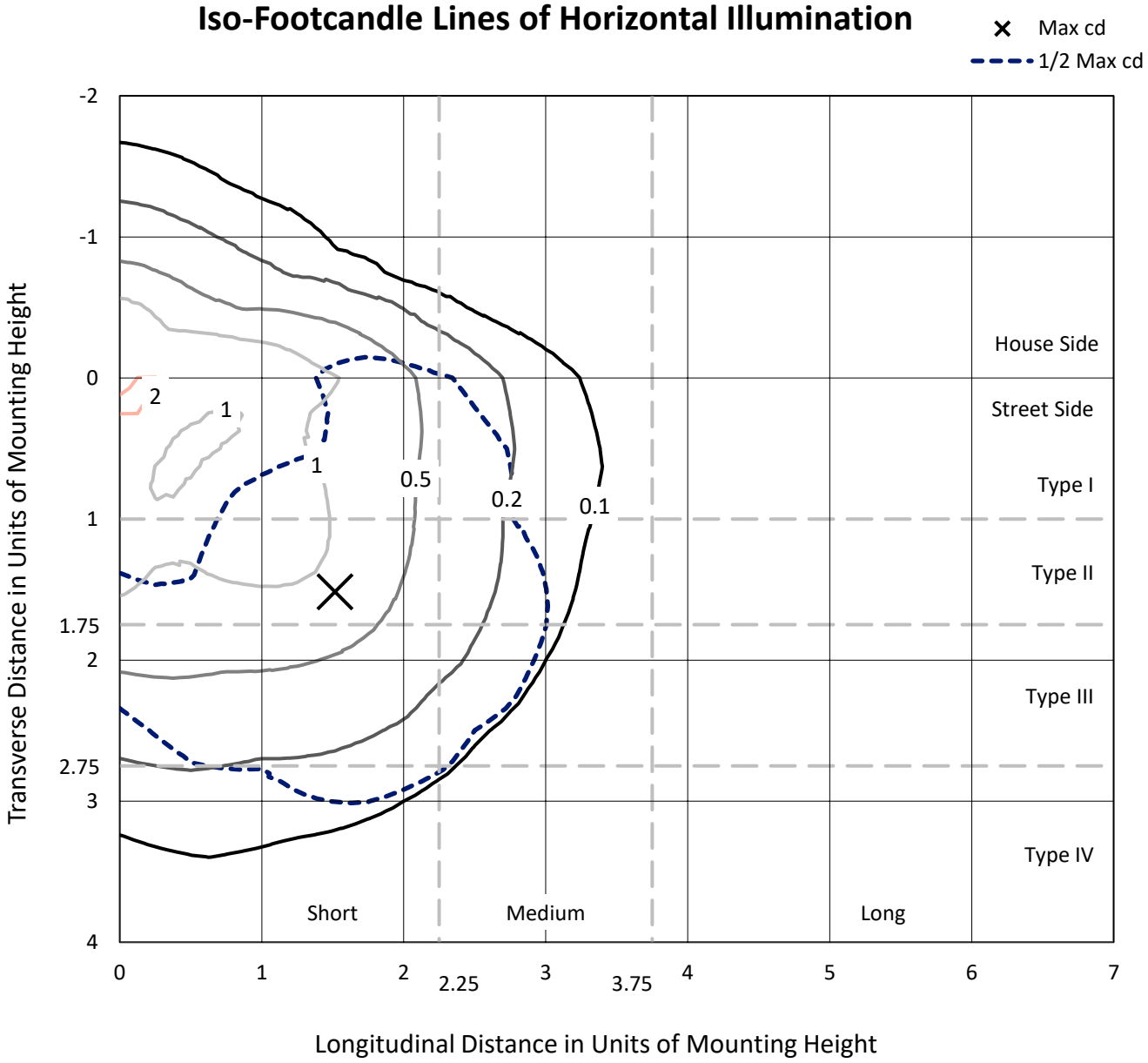
| | |
|---|---|
| Input Watts (W): | 40 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 5.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



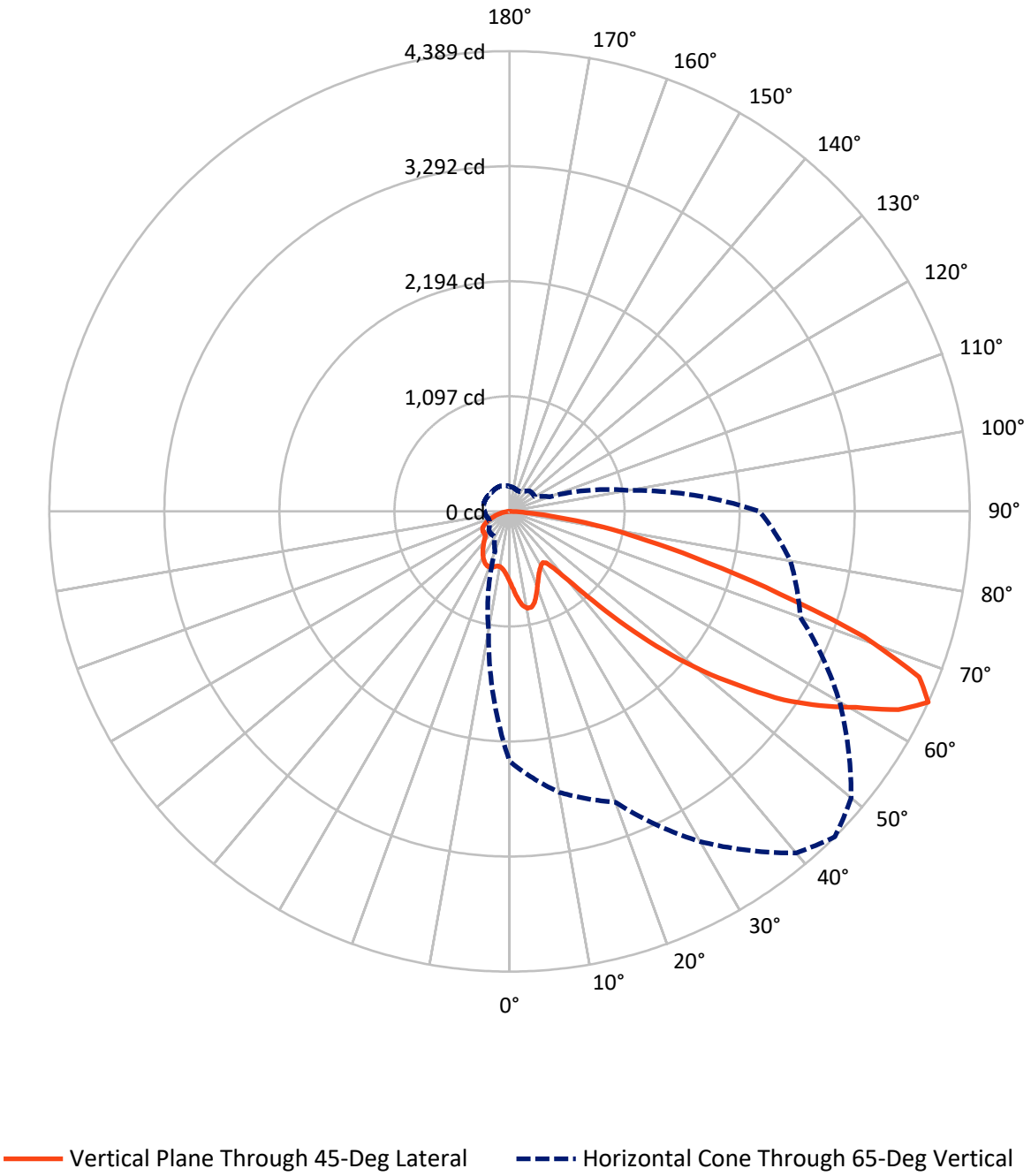

Based on 20 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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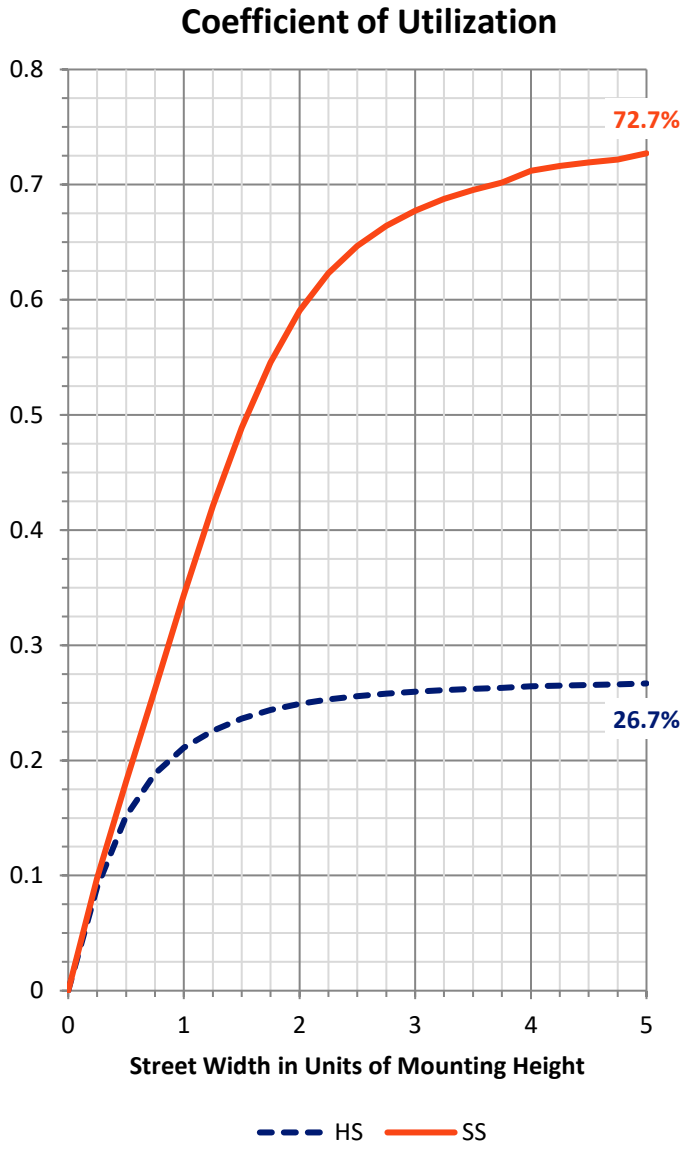
REPORT NUMBER: P1365056
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1139.2 | 0.0 | 1139.2 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 3095.4 | 0.0 | 3095.4 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 4234.6 | 0.0 | 4234.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 66.7 | 1.6 |
| 10°-20° | 204.3 | 4.8 |
| 20°-30° | 316.2 | 7.5 |
| 30°-40° | 392.3 | 9.3 |
| 40°-50° | 573.7 | 13.5 |
| 50°-60° | 898.6 | 21.2 |
| 60°-70° | 1066.3 | 25.2 |
| 70°-80° | 621.9 | 14.7 |
| 80°-90° | 94.6 | 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° | 4234.6 | 100.0 |
| 0°-180° | 4234.6 | 100.0 |



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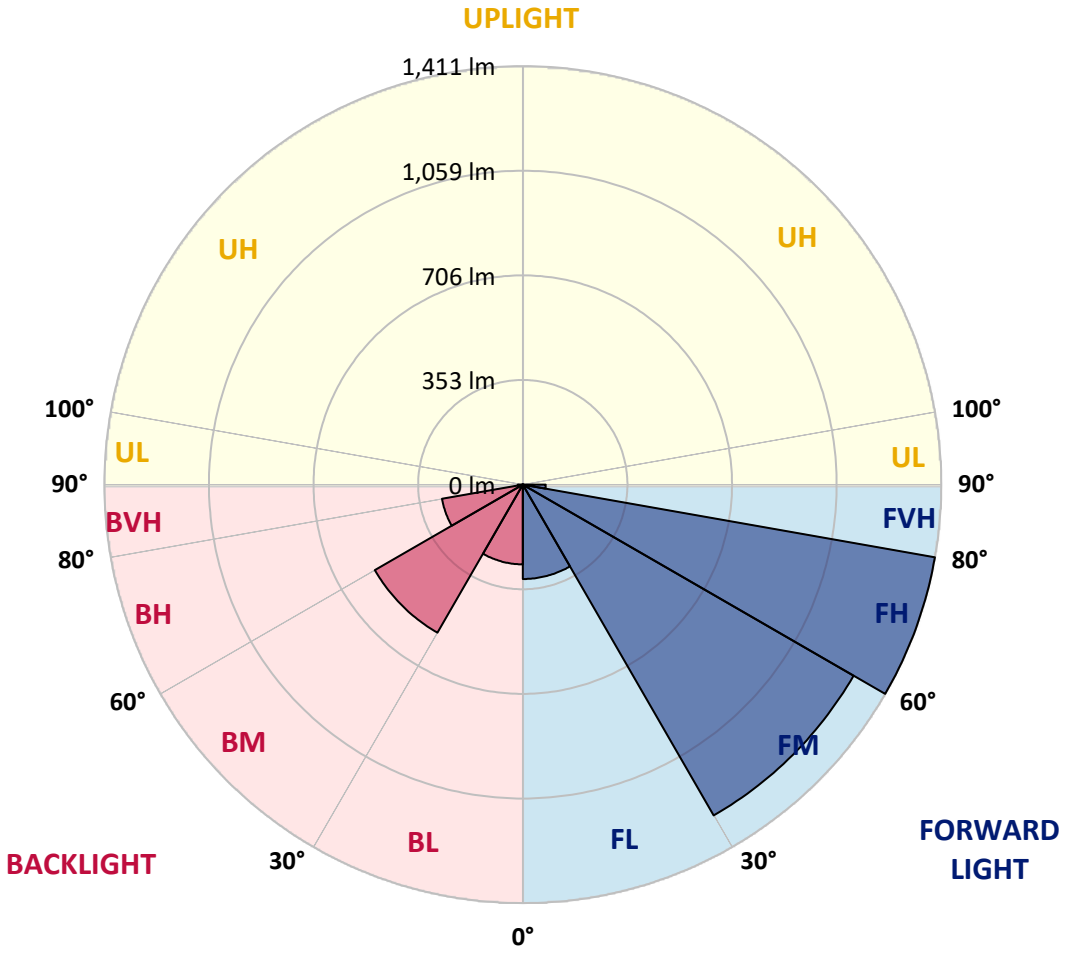
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 318.3 | 7.5 | | | |
| FM | (30°-60°) | 1288.2 | 30.4 | | | |
| FH | (60°-80°) | 1411.5 | 33.3 | | | G1/1800 |
| FVH | (80°-90°) | 77.4 | 1.8 | | | G1/100 |
| BL | (0°-30°) | 268.9 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 576.4 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 276.7 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 17.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | *675.2* | 675.2 |
| 2.5° | 729.6 | 732.2 | 734.8 | 737.6 | 740.5 | 742.1 | 743.8 | 745.5 | 747.2 | *748.7* | 747.2 |
| 5° | 779.3 | 791.0 | 802.6 | 810.5 | 818.3 | 824.3 | 830.3 | 833.8 | 837.3 | *837.8* | 837.3 |
| 7.5° | 829.5 | 843.4 | 857.3 | 869.3 | 881.3 | 889.0 | 896.6 | 901.1 | 905.6 | *907.2* | 905.6 |
| 10° | 861.1 | 877.4 | 893.7 | 905.3 | 917.0 | 924.2 | 931.2 | 934.7 | 938.3 | *939.3* | 938.3 |
| 12.5° | 877.2 | 892.8 | 908.4 | 917.4 | 926.3 | 930.9 | 935.4 | 937.0 | 938.5 | *937.2* | 938.5 |
| 15° | 884.9 | 894.1 | 903.2 | 907.1 | 910.8 | 908.6 | 906.4 | 903.1 | 899.9 | *897.9* | 899.9 |
| 17.5° | 887.0 | 890.2 | 893.5 | 886.6 | 879.7 | 867.3 | 854.9 | 845.6 | 836.2 | *829.5* | 836.2 |
| 20° | 893.7 | 888.5 | 883.4 | 864.9 | 846.6 | 823.3 | 800.0 | 784.4 | 768.6 | *759.1* | 768.6 |
| 22.5° | 901.0 | 886.4 | 871.8 | 840.8 | 809.8 | 777.9 | 746.1 | 728.1 | 710.2 | *700.1* | 710.2 |
| 25° | 912.4 | 887.3 | 862.1 | 820.3 | 778.6 | 741.1 | 703.7 | 684.1 | 664.6 | *653.5* | 664.6 |
| 27.5° | 928.9 | 890.6 | 852.3 | 800.5 | 748.7 | 708.1 | 667.4 | 648.8 | 630.2 | *620.3* | 630.2 |
| 30° | 952.2 | 901.4 | 850.4 | 788.5 | 726.5 | 684.0 | 641.6 | 623.3 | 605.0 | *594.4* | 605.0 |
| 32.5° | 980.7 | 916.5 | 852.3 | 782.9 | 713.5 | 670.2 | 627.1 | 609.6 | 592.2 | *583.0* | 592.2 |
| 35° | 1028.9 | 947.6 | 866.3 | 789.3 | 712.5 | 672.3 | 632.2 | 619.4 | 606.7 | *601.7* | 606.7 |
| 37.5° | 1090.0 | 995.0 | 899.9 | 820.7 | 741.5 | 714.1 | 686.8 | 686.8 | 686.8 | *690.7* | 686.8 |
| 40° | 1180.1 | 1073.4 | 966.7 | 891.8 | 816.9 | 815.2 | 813.8 | 831.2 | 848.7 | *856.4* | 848.7 |
| 42.5° | 1306.4 | 1193.6 | 1081.0 | 1020.5 | 960.0 | 996.2 | 1032.5 | 1082.8 | 1133.2 | *1166.1* | 1133.2 |
| 45° | 1463.3 | 1353.5 | 1243.8 | 1201.5 | 1159.4 | 1240.0 | 1320.6 | 1409.6 | 1498.5 | *1561.7* | 1498.5 |
| 47.5° | 1613.5 | 1521.1 | 1428.6 | 1404.5 | 1380.5 | 1514.6 | 1648.7 | 1779.1 | 1909.4 | *1986.3* | 1909.4 |
| 50° | 1787.4 | 1704.4 | 1621.2 | 1616.6 | 1611.9 | 1790.5 | 1969.2 | 2137.5 | 2305.8 | *2399.5* | 2305.8 |
| 52.5° | 2010.6 | 1919.4 | 1828.0 | 1831.8 | 1835.3 | 2047.5 | 2259.7 | 2463.2 | 2666.7 | *2772.3* | 2666.7 |
| 55° | 2277.3 | 2162.8 | 2048.4 | 2047.8 | 2047.2 | 2290.9 | 2534.9 | 2784.9 | 3035.1 | *3176.2* | 3035.1 |
| 57.5° | 2549.1 | 2441.9 | 2334.8 | 2309.3 | 2283.7 | 2538.7 | 2793.5 | 3069.6 | 3345.8 | *3494.1* | 3345.8 |
| 60° | 2753.1 | 2694.1 | 2635.1 | 2594.3 | 2553.6 | 2815.4 | 3077.3 | 3362.5 | 3647.6 | *3795.5* | 3647.6 |
| 62.5° | 2668.7 | 2774.3 | 2879.8 | 2876.8 | 2873.8 | 3156.4 | 3439.0 | 3735.6 | 4032.4 | *4165.2* | 4032.4 |
| 65° | *2383.9* | *2552.2* | *2720.5* | *2836.3* | *2952.0* | *3293.6* | *3635.2* | *3944.2* | *4253.2* | *4388.9* | *4253.2* |
| 67.5° | 2116.8 | 2265.1 | 2413.5 | 2508.2 | 2603.0 | 2987.9 | 3372.9 | 3723.6 | 4074.2 | *4213.8* | 4074.2 |
| 70° | 1861.0 | 2025.2 | 2189.5 | 2257.2 | 2324.9 | 2652.0 | 2978.9 | 3256.3 | 3533.7 | *3588.3* | 3533.7 |
| 72.5° | 1597.4 | 1792.7 | 1988.1 | 2016.8 | 2045.5 | 2283.5 | 2521.5 | 2669.3 | 2817.0 | *2697.7* | 2817.0 |
| 75° | 1308.0 | 1528.3 | 1748.6 | 1767.8 | 1786.9 | 1861.1 | 1935.3 | 1972.9 | 2010.6 | *1942.8* | 2010.6 |
| 77.5° | 869.9 | 1060.7 | 1251.5 | 1294.5 | 1337.5 | 1386.9 | 1436.4 | 1433.8 | 1431.2 | *1335.9* | 1431.2 |
| 80° | 510.5 | 659.8 | 809.0 | 814.6 | 820.2 | 857.3 | 894.2 | 932.0 | 969.8 | *909.3* | 969.8 |
| 82.5° | 255.3 | 337.2 | 419.2 | 431.8 | 444.5 | 467.2 | 489.8 | 500.4 | 511.1 | *459.8* | 511.1 |
| 85° | 58.0 | 79.3 | 100.7 | 121.3 | 141.9 | 165.7 | 189.5 | 186.8 | 184.1 | *155.3* | 184.1 |
| 87.5° | 4.7 | 4.8 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.7 | 6.0 | *6.2* | 6.0 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 745.5 | 743.8 | 742.1 | 740.5 | 737.6 | 734.8 | 732.2 | 729.6 | 723.0 | 716.4 | 710.4 |
| 5° | 833.8 | 830.3 | 824.3 | 818.3 | 810.5 | 802.6 | 791.0 | 779.3 | 767.6 | 756.0 | 743.8 |
| 7.5° | 901.1 | 896.6 | 889.0 | 881.3 | 869.3 | 857.3 | 843.4 | 829.5 | 809.8 | 790.2 | 771.6 |
| 10° | 934.7 | 931.2 | 924.2 | 917.0 | 905.3 | 893.7 | 877.4 | 861.1 | 837.6 | 814.0 | 791.0 |
| 12.5° | 937.0 | 935.4 | 930.9 | 926.3 | 917.4 | 908.4 | 892.8 | 877.2 | 853.7 | 830.3 | 804.6 |
| 15° | 903.1 | 906.4 | 908.6 | 910.8 | 907.1 | 903.2 | 894.1 | 884.9 | 861.2 | 837.6 | 811.4 |
| 17.5° | 845.6 | 854.9 | 867.3 | 879.7 | 886.6 | 893.5 | 890.2 | 887.0 | 864.8 | 842.8 | 814.8 |
| 20° | 784.4 | 800.0 | 823.3 | 846.6 | 864.9 | 883.4 | 888.5 | 893.7 | 871.4 | 849.0 | 819.0 |
| 22.5° | 728.1 | 746.1 | 777.9 | 809.8 | 840.8 | 871.8 | 886.4 | 901.0 | 880.5 | 860.1 | 827.0 |
| 25° | 684.1 | 703.7 | 741.1 | 778.6 | 820.3 | 862.1 | 887.3 | 912.4 | 894.7 | 876.9 | 840.9 |
| 27.5° | 648.8 | 667.4 | 708.1 | 748.7 | 800.5 | 852.3 | 890.6 | 928.9 | 915.4 | 901.8 | 861.2 |
| 30° | 623.3 | 641.6 | 684.0 | 726.5 | 788.5 | 850.4 | 901.4 | 952.2 | 941.6 | 931.0 | 885.2 |
| 32.5° | 609.6 | 627.1 | 670.2 | 713.5 | 782.9 | 852.3 | 916.5 | 980.7 | 974.1 | 967.5 | 913.5 |
| 35° | 619.4 | 632.2 | 672.3 | 712.5 | 789.3 | 866.3 | 947.6 | 1028.9 | 1020.6 | 1012.3 | 943.5 |
| 37.5° | 686.8 | 686.8 | 714.1 | 741.5 | 820.7 | 899.9 | 995.0 | 1090.0 | 1080.1 | 1070.3 | 980.2 |
| 40° | 831.2 | 813.8 | 815.2 | 816.9 | 891.8 | 966.7 | 1073.4 | 1180.1 | 1160.7 | 1141.2 | 1022.1 |
| 42.5° | 1082.8 | 1032.5 | 996.2 | 960.0 | 1020.5 | 1081.0 | 1193.6 | 1306.4 | 1265.4 | 1224.3 | 1068.5 |
| 45° | 1409.6 | 1320.6 | 1240.0 | 1159.4 | 1201.5 | 1243.8 | 1353.5 | 1463.3 | 1397.5 | 1331.8 | 1131.5 |
| 47.5° | 1779.1 | 1648.7 | 1514.6 | 1380.5 | 1404.5 | 1428.6 | 1521.1 | 1613.5 | 1530.2 | 1446.9 | 1196.2 |
| 50° | 2137.5 | 1969.2 | 1790.5 | 1611.9 | 1616.6 | 1621.2 | 1704.4 | 1787.4 | 1674.6 | 1561.7 | 1252.7 |
| 52.5° | 2463.2 | 2259.7 | 2047.5 | 1835.3 | 1831.8 | 1828.0 | 1919.4 | 2010.6 | 1831.4 | 1652.0 | 1279.4 |
| 55° | 2784.9 | 2534.9 | 2290.9 | 2047.2 | 2047.8 | 2048.4 | 2162.8 | 2277.3 | 1988.9 | 1700.5 | 1272.3 |
| 57.5° | 3069.6 | 2793.5 | 2538.7 | 2283.7 | 2309.3 | 2334.8 | 2441.9 | 2549.1 | 2121.1 | 1693.2 | 1233.9 |
| 60° | 3362.5 | 3077.3 | 2815.4 | 2553.6 | 2594.3 | 2635.1 | 2694.1 | 2753.1 | 2180.3 | 1607.5 | 1141.8 |
| 62.5° | 3735.6 | 3439.0 | 3156.4 | 2873.8 | 2876.8 | 2879.8 | 2774.3 | 2668.7 | 2048.9 | 1429.1 | 991.0 |
| 65° | *3944.2* | *3635.2* | *3293.6* | *2952.0* | *2836.3* | *2720.5* | *2552.2* | *2383.9* | *1767.2* | *1150.5* | *777.3* |
| 67.5° | 3723.6 | 3372.9 | 2987.9 | 2603.0 | 2508.2 | 2413.5 | 2265.1 | 2116.8 | 1517.8 | 918.8 | 604.9 |
| 70° | 3256.3 | 2978.9 | 2652.0 | 2324.9 | 2257.2 | 2189.5 | 2025.2 | 1861.0 | 1289.4 | 717.9 | 463.5 |
| 72.5° | 2669.3 | 2521.5 | 2283.5 | 2045.5 | 2016.8 | 1988.1 | 1792.7 | 1597.4 | 1070.7 | 543.9 | 348.5 |
| 75° | 1972.9 | 1935.3 | 1861.1 | 1786.9 | 1767.8 | 1748.6 | 1528.3 | 1308.0 | 854.9 | 401.8 | 258.3 |
| 77.5° | 1433.8 | 1436.4 | 1386.9 | 1337.5 | 1294.5 | 1251.5 | 1060.7 | 869.9 | 560.9 | 251.9 | 166.9 |
| 80° | 932.0 | 894.2 | 857.3 | 820.2 | 814.6 | 809.0 | 659.8 | 510.5 | 321.6 | 132.6 | 92.3 |
| 82.5° | 500.4 | 489.8 | 467.2 | 444.5 | 431.8 | 419.2 | 337.2 | 255.3 | 161.1 | 67.1 | 49.6 |
| 85° | 186.8 | 189.5 | 165.7 | 141.9 | 121.3 | 100.7 | 79.3 | 58.0 | 38.3 | 18.6 | 15.7 |
| 87.5° | 5.7 | 5.4 | 5.3 | 5.2 | 5.1 | 5.0 | 4.8 | 4.7 | 4.6 | 4.3 | 4.2 |
| 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):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 704.4 | 698.4 | 692.3 | 686.5 | 680.6 | 674.7 | 669.5 | 663.9 | 658.4 | 654.1 | 649.8 |
| 5° | 731.6 | 719.7 | 707.8 | 696.5 | 685.4 | 673.7 | 663.6 | 653.7 | 643.9 | 635.9 | 627.8 |
| 7.5° | 753.1 | 736.5 | 719.9 | 705.1 | 690.2 | 674.7 | 662.6 | 650.5 | 638.4 | 628.0 | 617.4 |
| 10° | 767.9 | 747.5 | 727.0 | 709.9 | 692.8 | 676.2 | 663.3 | 650.6 | 637.9 | 627.2 | 616.4 |
| 12.5° | 778.8 | 755.9 | 733.0 | 714.1 | 695.4 | 677.3 | 664.6 | 654.1 | 643.6 | 636.1 | 628.6 |
| 15° | 785.2 | 760.5 | 735.8 | 714.6 | 693.3 | 673.1 | 662.0 | 655.1 | 648.3 | 647.7 | 647.0 |
| 17.5° | 786.8 | 758.7 | 730.6 | 705.9 | 681.2 | 657.6 | 648.1 | 647.1 | 646.2 | 656.5 | 666.7 |
| 20° | 788.9 | 755.9 | 722.8 | 690.3 | 657.8 | 626.5 | 620.5 | 626.4 | 632.2 | 652.3 | 672.3 |
| 22.5° | 794.1 | 753.7 | 713.3 | 672.5 | 631.7 | 594.4 | 588.7 | 597.4 | 606.0 | 632.2 | 658.4 |
| 25° | 804.9 | 753.5 | 702.1 | 651.3 | 600.4 | 557.7 | 557.2 | 566.6 | 576.0 | 600.2 | 624.5 |
| 27.5° | 820.7 | 755.5 | 690.2 | 629.5 | 568.8 | 525.0 | 527.6 | 536.6 | 545.8 | 563.8 | 581.8 |
| 30° | 839.4 | 759.7 | 680.2 | 610.6 | 541.1 | 498.6 | 501.4 | 508.5 | 515.5 | 528.6 | 541.6 |
| 32.5° | 859.5 | 764.5 | 669.5 | 594.0 | 518.6 | 479.5 | 479.5 | 482.5 | 485.5 | 494.0 | 502.5 |
| 35° | 874.9 | 763.3 | 651.9 | 575.2 | 498.3 | 468.1 | 461.7 | 459.2 | 456.7 | 462.3 | 467.9 |
| 37.5° | 890.1 | 760.1 | 630.2 | 554.3 | 478.4 | 454.6 | 442.4 | 435.8 | 428.9 | 431.6 | 434.1 |
| 40° | 903.0 | 752.9 | 602.7 | 529.3 | 455.9 | 437.0 | 421.7 | 411.8 | 401.8 | 401.6 | 401.3 |
| 42.5° | 912.6 | 740.3 | 568.0 | 499.6 | 431.0 | 417.9 | 398.9 | 386.3 | 373.6 | 372.3 | 371.0 |
| 45° | 931.2 | 731.8 | 532.3 | 469.3 | 406.5 | 394.6 | 375.7 | 362.7 | 349.8 | 347.8 | 345.7 |
| 47.5° | 945.5 | 721.7 | 497.9 | 439.3 | 380.9 | 367.1 | 349.5 | 338.4 | 327.2 | 326.0 | 324.7 |
| 50° | 943.6 | 704.6 | 465.5 | 412.6 | 359.6 | 340.7 | 323.3 | 314.2 | 305.0 | 306.5 | 308.1 |
| 52.5° | 906.7 | 669.6 | 432.7 | 388.6 | 344.6 | 320.5 | 301.9 | 295.0 | 288.1 | 293.0 | 297.7 |
| 55° | 844.2 | 623.2 | 402.0 | 368.5 | 334.7 | 310.7 | 288.7 | 281.1 | 273.4 | 280.2 | 287.1 |
| 57.5° | 774.6 | 574.7 | 374.7 | 351.5 | 328.3 | 308.1 | 281.2 | 270.4 | 259.7 | 266.6 | 273.4 |
| 60° | 676.2 | 513.2 | 350.2 | 334.0 | 317.7 | 301.9 | 275.0 | 261.5 | 248.0 | 252.6 | 257.0 |
| 62.5° | 552.8 | 435.4 | 317.9 | 308.8 | 299.8 | 293.1 | 267.4 | 249.8 | 232.2 | 232.8 | 233.2 |
| 65° | *404.1* | *342.2* | *280.1* | *278.2* | *276.3* | *274.4* | *253.2* | *234.3* | *215.4* | *213.3* | *211.3* |
| 67.5° | 291.0 | 261.6 | 232.2 | 237.7 | 243.2 | 246.0 | 231.5 | 214.8 | 198.0 | 193.8 | 189.5 |
| 70° | 209.2 | 198.8 | 188.5 | 196.7 | 204.8 | 204.0 | 197.0 | 187.0 | 177.1 | 174.4 | 171.7 |
| 72.5° | 153.1 | 152.9 | 152.8 | 159.0 | 165.2 | 156.9 | 161.3 | 159.1 | 156.9 | 154.9 | 153.1 |
| 75° | 114.7 | 114.0 | 113.4 | 120.8 | 128.2 | 131.5 | 134.4 | 133.2 | 132.0 | 130.6 | 129.2 |
| 77.5° | 82.0 | 82.6 | 83.1 | 91.1 | 99.2 | 108.7 | 109.3 | 106.6 | 103.8 | 102.3 | 100.7 |
| 80° | 52.0 | 52.6 | 53.0 | 61.5 | 69.9 | 83.4 | 82.8 | 79.5 | 76.1 | 75.0 | 73.7 |
| 82.5° | 32.1 | 32.2 | 32.3 | 36.5 | 40.6 | 48.2 | 50.2 | 50.2 | 50.2 | 49.5 | 48.7 |
| 85° | 12.9 | 13.6 | 14.3 | 17.0 | 19.7 | 23.8 | 25.1 | 25.3 | 25.4 | 24.2 | 23.0 |
| 87.5° | 4.1 | 4.3 | 4.7 | 5.2 | 5.7 | 6.2 | 7.2 | 7.9 | 8.5 | 9.1 | 9.5 |
| 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: P1365056
CATALOG NUMBER: GSS-SB1B-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 646.1 | 642.3 | 637.8 | 633.3 | 630.1 | 626.7 | 624.6 | 622.4 | 621.4 | 620.3 | 619.5 |
| 5° | 621.2 | 614.3 | 608.3 | 602.2 | 597.4 | 592.6 | 588.6 | 584.6 | 582.9 | 581.2 | 580.0 |
| 7.5° | 608.5 | 599.6 | 592.2 | 584.6 | 577.4 | 570.4 | 565.9 | 561.3 | 558.6 | 555.9 | 553.9 |
| 10° | 607.0 | 597.5 | 587.7 | 577.9 | 570.0 | 562.1 | 555.3 | 548.7 | 544.8 | 541.1 | 539.0 |
| 12.5° | 619.9 | 611.2 | 599.5 | 587.7 | 577.0 | 566.5 | 558.1 | 549.7 | 544.9 | 540.4 | 537.3 |
| 15° | 644.0 | 641.0 | 630.2 | 619.3 | 604.6 | 589.8 | 577.8 | 565.6 | 559.0 | 552.2 | 548.3 |
| 17.5° | 672.6 | 678.5 | 671.0 | 663.3 | 642.6 | 621.9 | 604.0 | 586.1 | 576.4 | 566.7 | 563.3 |
| 20° | 688.3 | 704.2 | 703.4 | 702.7 | 675.6 | 648.5 | 625.0 | 601.5 | 588.4 | 575.6 | 570.4 |
| 22.5° | 681.4 | 704.4 | 710.3 | 716.1 | 689.6 | 663.0 | 634.0 | 605.0 | 589.7 | 574.2 | 569.4 |
| 25° | 649.2 | 674.0 | 684.9 | 695.9 | 674.1 | 652.2 | 624.1 | 596.0 | 579.8 | 563.6 | 558.6 |
| 27.5° | 601.7 | 621.6 | 633.9 | 646.2 | 632.9 | 619.5 | 596.7 | 573.9 | 559.6 | 545.2 | 540.0 |
| 30° | 555.1 | 568.5 | 578.4 | 588.2 | 579.4 | 570.6 | 554.3 | 538.0 | 527.3 | 516.8 | 513.4 |
| 32.5° | 512.5 | 522.5 | 527.9 | 533.3 | 526.5 | 519.7 | 508.9 | 498.1 | 491.5 | 484.9 | 482.7 |
| 35° | 476.0 | 484.1 | 488.3 | 492.4 | 486.7 | 481.0 | 471.4 | 461.9 | 457.1 | 452.3 | 450.6 |
| 37.5° | 441.1 | 447.9 | 453.8 | 459.8 | 455.7 | 451.5 | 443.3 | 435.2 | 429.6 | 423.8 | 420.7 |
| 40° | 407.9 | 414.4 | 421.9 | 429.3 | 428.5 | 427.7 | 419.9 | 412.2 | 404.1 | 396.1 | 391.9 |
| 42.5° | 377.5 | 384.0 | 391.9 | 399.7 | 401.3 | 402.8 | 396.4 | 389.9 | 380.6 | 371.3 | 364.7 |
| 45° | 351.3 | 357.1 | 365.7 | 374.4 | 378.0 | 381.6 | 375.8 | 369.9 | 359.5 | 349.0 | 341.2 |
| 47.5° | 330.6 | 336.6 | 346.1 | 355.7 | 359.6 | 363.5 | 359.6 | 355.7 | 346.7 | 337.6 | 330.8 |
| 50° | 314.6 | 321.0 | 328.5 | 336.1 | 343.2 | 350.2 | 349.5 | 348.8 | 341.6 | 334.5 | 328.1 |
| 52.5° | 303.6 | 309.6 | 317.4 | 325.2 | 332.6 | 340.2 | 341.3 | 342.6 | 337.4 | 332.2 | 326.6 |
| 55° | 294.2 | 301.4 | 308.6 | 315.9 | 322.9 | 329.8 | 331.4 | 332.9 | 329.2 | 325.4 | 321.2 |
| 57.5° | 281.2 | 288.9 | 296.2 | 303.4 | 311.6 | 319.8 | 321.0 | 322.3 | 318.3 | 314.3 | 311.2 |
| 60° | 265.0 | 272.9 | 280.4 | 287.9 | 296.2 | 304.5 | 306.1 | 307.8 | 304.7 | 301.6 | 298.7 |
| 62.5° | 242.2 | 251.1 | 257.3 | 263.6 | 271.4 | 279.4 | 281.8 | 284.3 | 282.8 | 281.5 | 278.2 |
| 65° | *219.8* | *228.3* | *233.2* | *238.2* | *245.0* | *251.9* | *254.2* | *256.6* | *255.9* | *255.3* | *252.9* |
| 67.5° | 197.4 | 205.3 | 209.3 | 213.3 | 218.0 | 222.7 | 225.3 | 228.0 | 226.7 | 225.2 | 222.8 |
| 70° | 178.1 | 184.5 | 188.1 | 191.6 | 195.3 | 199.0 | 200.5 | 201.9 | 199.9 | 197.8 | 192.2 |
| 72.5° | 157.9 | 162.8 | 165.8 | 168.8 | 172.3 | 175.8 | 176.7 | 177.6 | 174.4 | 171.1 | 164.6 |
| 75° | 133.0 | 136.7 | 139.0 | 141.4 | 145.0 | 148.6 | 150.2 | 151.7 | 147.2 | 142.7 | 135.8 |
| 77.5° | 104.1 | 107.5 | 109.7 | 111.8 | 114.8 | 117.9 | 118.3 | 118.9 | 115.0 | 111.0 | 106.9 |
| 80° | 76.2 | 78.7 | 79.5 | 80.3 | 82.7 | 85.1 | 85.1 | 85.1 | 82.2 | 79.2 | 77.2 |
| 82.5° | 48.2 | 47.6 | 46.6 | 45.6 | 48.1 | 50.5 | 51.4 | 52.3 | 51.0 | 49.7 | 47.4 |
| 85° | 21.5 | 19.9 | 19.6 | 19.2 | 19.1 | 18.8 | 19.6 | 20.2 | 19.9 | 19.7 | 18.8 |
| 87.5° | 10.1 | 10.6 | 10.3 | 9.8 | 9.4 | 9.1 | 8.3 | 7.5 | 6.8 | 6.2 | 5.8 |
| 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: P1365056
CATALOG NUMBER: GSS-SB1B-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 618.8 | 618.3 | 618.8 | 619.5 | 620.3 | 621.4 | 622.4 | 624.6 | 626.7 | 630.1 | 633.3 |
| 5° | 578.9 | 577.9 | 578.9 | 580.0 | 581.2 | 582.9 | 584.6 | 588.6 | 592.6 | 597.4 | 602.2 |
| 7.5° | 552.0 | 550.9 | 552.0 | 553.9 | 555.9 | 558.6 | 561.3 | 565.9 | 570.4 | 577.4 | 584.6 |
| 10° | 537.0 | 535.4 | 537.0 | 539.0 | 541.1 | 544.8 | 548.7 | 555.3 | 562.1 | 570.0 | 577.9 |
| 12.5° | 534.2 | 532.3 | 534.2 | 537.3 | 540.4 | 544.9 | 549.7 | 558.1 | 566.5 | 577.0 | 587.7 |
| 15° | 544.5 | 541.6 | 544.5 | 548.3 | 552.2 | 559.0 | 565.6 | 577.8 | 589.8 | 604.6 | 619.3 |
| 17.5° | 559.7 | 558.2 | 559.7 | 563.3 | 566.7 | 576.4 | 586.1 | 604.0 | 621.9 | 642.6 | 663.3 |
| 20° | 565.2 | 563.4 | 565.2 | 570.4 | 575.6 | 588.4 | 601.5 | 625.0 | 648.5 | 675.6 | 702.7 |
| 22.5° | 564.4 | 562.3 | 564.4 | 569.4 | 574.2 | 589.7 | 605.0 | 634.0 | 663.0 | 689.6 | 716.1 |
| 25° | 553.5 | 552.0 | 553.5 | 558.6 | 563.6 | 579.8 | 596.0 | 624.1 | 652.2 | 674.1 | 695.9 |
| 27.5° | 534.6 | 531.3 | 534.6 | 540.0 | 545.2 | 559.6 | 573.9 | 596.7 | 619.5 | 632.9 | 646.2 |
| 30° | 510.0 | 508.5 | 510.0 | 513.4 | 516.8 | 527.3 | 538.0 | 554.3 | 570.6 | 579.4 | 588.2 |
| 32.5° | 480.5 | 479.5 | 480.5 | 482.7 | 484.9 | 491.5 | 498.1 | 508.9 | 519.7 | 526.5 | 533.3 |
| 35° | 448.9 | 447.4 | 448.9 | 450.6 | 452.3 | 457.1 | 461.9 | 471.4 | 481.0 | 486.7 | 492.4 |
| 37.5° | 417.6 | 415.3 | 417.6 | 420.7 | 423.8 | 429.6 | 435.2 | 443.3 | 451.5 | 455.7 | 459.8 |
| 40° | 387.5 | 385.2 | 387.5 | 391.9 | 396.1 | 404.1 | 412.2 | 419.9 | 427.7 | 428.5 | 429.3 |
| 42.5° | 358.3 | 354.2 | 358.3 | 364.7 | 371.3 | 380.6 | 389.9 | 396.4 | 402.8 | 401.3 | 399.7 |
| 45° | 333.5 | 328.3 | 333.5 | 341.2 | 349.0 | 359.5 | 369.9 | 375.8 | 381.6 | 378.0 | 374.4 |
| 47.5° | 323.9 | 319.0 | 323.9 | 330.8 | 337.6 | 346.7 | 355.7 | 359.6 | 363.5 | 359.6 | 355.7 |
| 50° | 321.6 | 316.9 | 321.6 | 328.1 | 334.5 | 341.6 | 348.8 | 349.5 | 350.2 | 343.2 | 336.1 |
| 52.5° | 321.0 | 316.9 | 321.0 | 326.6 | 332.2 | 337.4 | 342.6 | 341.3 | 340.2 | 332.6 | 325.2 |
| 55° | 317.1 | 313.8 | 317.1 | 321.2 | 325.4 | 329.2 | 332.9 | 331.4 | 329.8 | 322.9 | 315.9 |
| 57.5° | 308.1 | 306.5 | 308.1 | 311.2 | 314.3 | 318.3 | 322.3 | 321.0 | 319.8 | 311.6 | 303.4 |
| 60° | 295.7 | 293.1 | 295.7 | 298.7 | 301.6 | 304.7 | 307.8 | 306.1 | 304.5 | 296.2 | 287.9 |
| 62.5° | 275.0 | 271.3 | 275.0 | 278.2 | 281.5 | 282.8 | 284.3 | 281.8 | 279.4 | 271.4 | 263.6 |
| 65° | *250.6* | *246.5* | *250.6* | *252.9* | *255.3* | *255.9* | *256.6* | *254.2* | *251.9* | *245.0* | *238.2* |
| 67.5° | 220.4 | 219.5 | 220.4 | 222.8 | 225.2 | 226.7 | 228.0 | 225.3 | 222.7 | 218.0 | 213.3 |
| 70° | 186.6 | 180.2 | 186.6 | 192.2 | 197.8 | 199.9 | 201.9 | 200.5 | 199.0 | 195.3 | 191.6 |
| 72.5° | 157.9 | 151.2 | 157.9 | 164.6 | 171.1 | 174.4 | 177.6 | 176.7 | 175.8 | 172.3 | 168.8 |
| 75° | 128.9 | 124.3 | 128.9 | 135.8 | 142.7 | 147.2 | 151.7 | 150.2 | 148.6 | 145.0 | 141.4 |
| 77.5° | 102.7 | 100.5 | 102.7 | 106.9 | 111.0 | 115.0 | 118.9 | 118.3 | 117.9 | 114.8 | 111.8 |
| 80° | 75.1 | 73.5 | 75.1 | 77.2 | 79.2 | 82.2 | 85.1 | 85.1 | 85.1 | 82.7 | 80.3 |
| 82.5° | 45.0 | 43.5 | 45.0 | 47.4 | 49.7 | 51.0 | 52.3 | 51.4 | 50.5 | 48.1 | 45.6 |
| 85° | 18.1 | 17.6 | 18.1 | 18.8 | 19.7 | 19.9 | 20.2 | 19.6 | 18.8 | 19.1 | 19.2 |
| 87.5° | 5.4 | 5.2 | 5.4 | 5.8 | 6.2 | 6.8 | 7.5 | 8.3 | 9.1 | 9.4 | 9.8 |
| 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: P1365056
CATALOG NUMBER: GSS-SB1B-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 637.8 | 642.3 | 646.1 | 649.8 | 654.1 | 658.4 | 663.9 | 669.5 | 674.7 | 680.6 | 686.5 |
| 5° | 608.3 | 614.3 | 621.2 | 627.8 | 635.9 | 643.9 | 653.7 | 663.6 | 673.7 | 685.4 | 696.5 |
| 7.5° | 592.2 | 599.6 | 608.5 | 617.4 | 628.0 | 638.4 | 650.5 | 662.6 | 674.7 | 690.2 | 705.1 |
| 10° | 587.7 | 597.5 | 607.0 | 616.4 | 627.2 | 637.9 | 650.6 | 663.3 | 676.2 | 692.8 | 709.9 |
| 12.5° | 599.5 | 611.2 | 619.9 | 628.6 | 636.1 | 643.6 | 654.1 | 664.6 | 677.3 | 695.4 | 714.1 |
| 15° | 630.2 | 641.0 | 644.0 | 647.0 | 647.7 | 648.3 | 655.1 | 662.0 | 673.1 | 693.3 | 714.6 |
| 17.5° | 671.0 | 678.5 | 672.6 | 666.7 | 656.5 | 646.2 | 647.1 | 648.1 | 657.6 | 681.2 | 705.9 |
| 20° | 703.4 | 704.2 | 688.3 | 672.3 | 652.3 | 632.2 | 626.4 | 620.5 | 626.5 | 657.8 | 690.3 |
| 22.5° | 710.3 | 704.4 | 681.4 | 658.4 | 632.2 | 606.0 | 597.4 | 588.7 | 594.4 | 631.7 | 672.5 |
| 25° | 684.9 | 674.0 | 649.2 | 624.5 | 600.2 | 576.0 | 566.6 | 557.2 | 557.7 | 600.4 | 651.3 |
| 27.5° | 633.9 | 621.6 | 601.7 | 581.8 | 563.8 | 545.8 | 536.6 | 527.6 | 525.0 | 568.8 | 629.5 |
| 30° | 578.4 | 568.5 | 555.1 | 541.6 | 528.6 | 515.5 | 508.5 | 501.4 | 498.6 | 541.1 | 610.6 |
| 32.5° | 527.9 | 522.5 | 512.5 | 502.5 | 494.0 | 485.5 | 482.5 | 479.5 | 479.5 | 518.6 | 594.0 |
| 35° | 488.3 | 484.1 | 476.0 | 467.9 | 462.3 | 456.7 | 459.2 | 461.7 | 468.1 | 498.3 | 575.2 |
| 37.5° | 453.8 | 447.9 | 441.1 | 434.1 | 431.6 | 428.9 | 435.8 | 442.4 | 454.6 | 478.4 | 554.3 |
| 40° | 421.9 | 414.4 | 407.9 | 401.3 | 401.6 | 401.8 | 411.8 | 421.7 | 437.0 | 455.9 | 529.3 |
| 42.5° | 391.9 | 384.0 | 377.5 | 371.0 | 372.3 | 373.6 | 386.3 | 398.9 | 417.9 | 431.0 | 499.6 |
| 45° | 365.7 | 357.1 | 351.3 | 345.7 | 347.8 | 349.8 | 362.7 | 375.7 | 394.6 | 406.5 | 469.3 |
| 47.5° | 346.1 | 336.6 | 330.6 | 324.7 | 326.0 | 327.2 | 338.4 | 349.5 | 367.1 | 380.9 | 439.3 |
| 50° | 328.5 | 321.0 | 314.6 | 308.1 | 306.5 | 305.0 | 314.2 | 323.3 | 340.7 | 359.6 | 412.6 |
| 52.5° | 317.4 | 309.6 | 303.6 | 297.7 | 293.0 | 288.1 | 295.0 | 301.9 | 320.5 | 344.6 | 388.6 |
| 55° | 308.6 | 301.4 | 294.2 | 287.1 | 280.2 | 273.4 | 281.1 | 288.7 | 310.7 | 334.7 | 368.5 |
| 57.5° | 296.2 | 288.9 | 281.2 | 273.4 | 266.6 | 259.7 | 270.4 | 281.2 | 308.1 | 328.3 | 351.5 |
| 60° | 280.4 | 272.9 | 265.0 | 257.0 | 252.6 | 248.0 | 261.5 | 275.0 | 301.9 | 317.7 | 334.0 |
| 62.5° | 257.3 | 251.1 | 242.2 | 233.2 | 232.8 | 232.2 | 249.8 | 267.4 | 293.1 | 299.8 | 308.8 |
| 65° | *233.2* | *228.3* | *219.8* | *211.3* | *213.3* | *215.4* | *234.3* | *253.2* | *274.4* | *276.3* | *278.2* |
| 67.5° | 209.3 | 205.3 | 197.4 | 189.5 | 193.8 | 198.0 | 214.8 | 231.5 | 246.0 | 243.2 | 237.7 |
| 70° | 188.1 | 184.5 | 178.1 | 171.7 | 174.4 | 177.1 | 187.0 | 197.0 | 204.0 | 204.8 | 196.7 |
| 72.5° | 165.8 | 162.8 | 157.9 | 153.1 | 154.9 | 156.9 | 159.1 | 161.3 | 156.9 | 165.2 | 159.0 |
| 75° | 139.0 | 136.7 | 133.0 | 129.2 | 130.6 | 132.0 | 133.2 | 134.4 | 131.5 | 128.2 | 120.8 |
| 77.5° | 109.7 | 107.5 | 104.1 | 100.7 | 102.3 | 103.8 | 106.6 | 109.3 | 108.7 | 99.2 | 91.1 |
| 80° | 79.5 | 78.7 | 76.2 | 73.7 | 75.0 | 76.1 | 79.5 | 82.8 | 83.4 | 69.9 | 61.5 |
| 82.5° | 46.6 | 47.6 | 48.2 | 48.7 | 49.5 | 50.2 | 50.2 | 50.2 | 48.2 | 40.6 | 36.5 |
| 85° | 19.6 | 19.9 | 21.5 | 23.0 | 24.2 | 25.4 | 25.3 | 25.1 | 23.8 | 19.7 | 17.0 |
| 87.5° | 10.3 | 10.6 | 10.1 | 9.5 | 9.1 | 8.5 | 7.9 | 7.2 | 6.2 | 5.7 | 5.2 |
| 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: P1365056
CATALOG NUMBER: GSS-SB1B-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 | 675.2 |
| 2.5° | 692.3 | 698.4 | 704.4 | 710.4 | 716.4 | 723.0 | 729.6 |
| 5° | 707.8 | 719.7 | 731.6 | 743.8 | 756.0 | 767.6 | 779.3 |
| 7.5° | 719.9 | 736.5 | 753.1 | 771.6 | 790.2 | 809.8 | 829.5 |
| 10° | 727.0 | 747.5 | 767.9 | 791.0 | 814.0 | 837.6 | 861.1 |
| 12.5° | 733.0 | 755.9 | 778.8 | 804.6 | 830.3 | 853.7 | 877.2 |
| 15° | 735.8 | 760.5 | 785.2 | 811.4 | 837.6 | 861.2 | 884.9 |
| 17.5° | 730.6 | 758.7 | 786.8 | 814.8 | 842.8 | 864.8 | 887.0 |
| 20° | 722.8 | 755.9 | 788.9 | 819.0 | 849.0 | 871.4 | 893.7 |
| 22.5° | 713.3 | 753.7 | 794.1 | 827.0 | 860.1 | 880.5 | 901.0 |
| 25° | 702.1 | 753.5 | 804.9 | 840.9 | 876.9 | 894.7 | 912.4 |
| 27.5° | 690.2 | 755.5 | 820.7 | 861.2 | 901.8 | 915.4 | 928.9 |
| 30° | 680.2 | 759.7 | 839.4 | 885.2 | 931.0 | 941.6 | 952.2 |
| 32.5° | 669.5 | 764.5 | 859.5 | 913.5 | 967.5 | 974.1 | 980.7 |
| 35° | 651.9 | 763.3 | 874.9 | 943.5 | 1012.3 | 1020.6 | 1028.9 |
| 37.5° | 630.2 | 760.1 | 890.1 | 980.2 | 1070.3 | 1080.1 | 1090.0 |
| 40° | 602.7 | 752.9 | 903.0 | 1022.1 | 1141.2 | 1160.7 | 1180.1 |
| 42.5° | 568.0 | 740.3 | 912.6 | 1068.5 | 1224.3 | 1265.4 | 1306.4 |
| 45° | 532.3 | 731.8 | 931.2 | 1131.5 | 1331.8 | 1397.5 | 1463.3 |
| 47.5° | 497.9 | 721.7 | 945.5 | 1196.2 | 1446.9 | 1530.2 | 1613.5 |
| 50° | 465.5 | 704.6 | 943.6 | 1252.7 | 1561.7 | 1674.6 | 1787.4 |
| 52.5° | 432.7 | 669.6 | 906.7 | 1279.4 | 1652.0 | 1831.4 | 2010.6 |
| 55° | 402.0 | 623.2 | 844.2 | 1272.3 | 1700.5 | 1988.9 | 2277.3 |
| 57.5° | 374.7 | 574.7 | 774.6 | 1233.9 | 1693.2 | 2121.1 | 2549.1 |
| 60° | 350.2 | 513.2 | 676.2 | 1141.8 | 1607.5 | 2180.3 | 2753.1 |
| 62.5° | 317.9 | 435.4 | 552.8 | 991.0 | 1429.1 | 2048.9 | 2668.7 |
| 65° | *280.1* | *342.2* | *404.1* | *777.3* | *1150.5* | *1767.2* | *2383.9* |
| 67.5° | 232.2 | 261.6 | 291.0 | 604.9 | 918.8 | 1517.8 | 2116.8 |
| 70° | 188.5 | 198.8 | 209.2 | 463.5 | 717.9 | 1289.4 | 1861.0 |
| 72.5° | 152.8 | 152.9 | 153.1 | 348.5 | 543.9 | 1070.7 | 1597.4 |
| 75° | 113.4 | 114.0 | 114.7 | 258.3 | 401.8 | 854.9 | 1308.0 |
| 77.5° | 83.1 | 82.6 | 82.0 | 166.9 | 251.9 | 560.9 | 869.9 |
| 80° | 53.0 | 52.6 | 52.0 | 92.3 | 132.6 | 321.6 | 510.5 |
| 82.5° | 32.3 | 32.2 | 32.1 | 49.6 | 67.1 | 161.1 | 255.3 |
| 85° | 14.3 | 13.6 | 12.9 | 15.7 | 18.6 | 38.3 | 58.0 |
| 87.5° | 4.7 | 4.3 | 4.1 | 4.2 | 4.3 | 4.6 | 4.7 |
| 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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

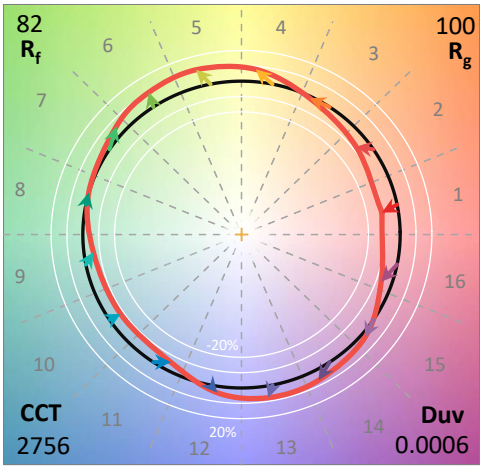
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-8 |
| 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-827-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2756 |
| CIE u': | 0.2599 |
| CIE v': | 0.5271 |
| Duv: | 0.0006 |
| CIE x: | 0.4563 |
| CIE y: | 0.4112 |
| CIE z: | 0.1325 |
| Peak Wavelength (nm): | 609 |
| Dominant Wavelength (nm): | 583 |
| Purity: | 60.41121 |
| Rf: | 82.2 |
| Rg: | 99.9 |

| | |
|---|---|
| CRI (Ra): | 82.9 |
| R1: | 81.6 |
| R2: | 88.8 |
| R3: | 96.0 |
| R4: | 83.4 |
| R5: | 81.4 |
| R6: | 87.0 |
| R7: | 84.0 |
| R8: | 60.8 |
| R9: | 10.8 |
| R10: | 74.8 |
| R11: | 84.3 |
| R12: | 72.1 |
| R13: | 82.9 |
| R14: | 97.3 |
| R15: | 73.7 |




## Test Conditions

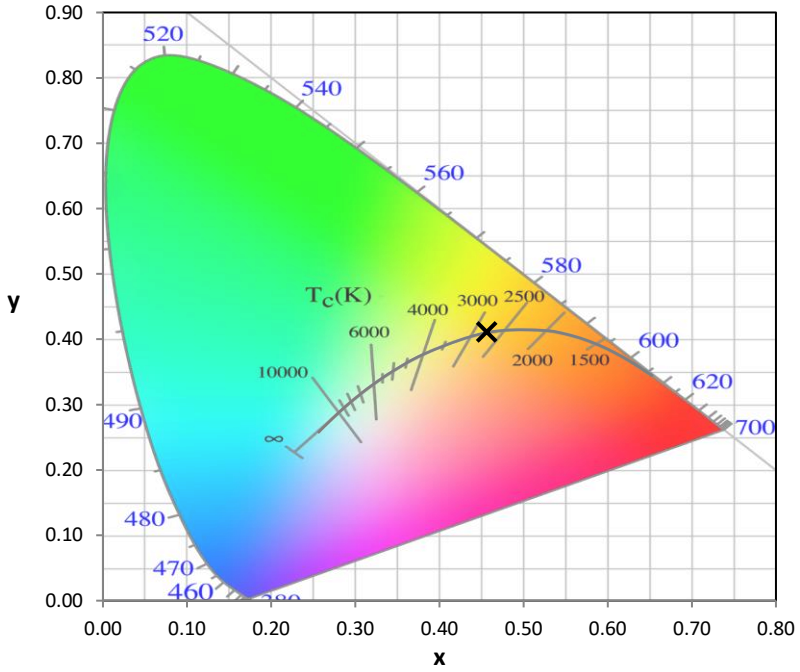
| | |
|---|---|
| Stabilization Time: | 29M |
| Operation Time: | 1H 29M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-8

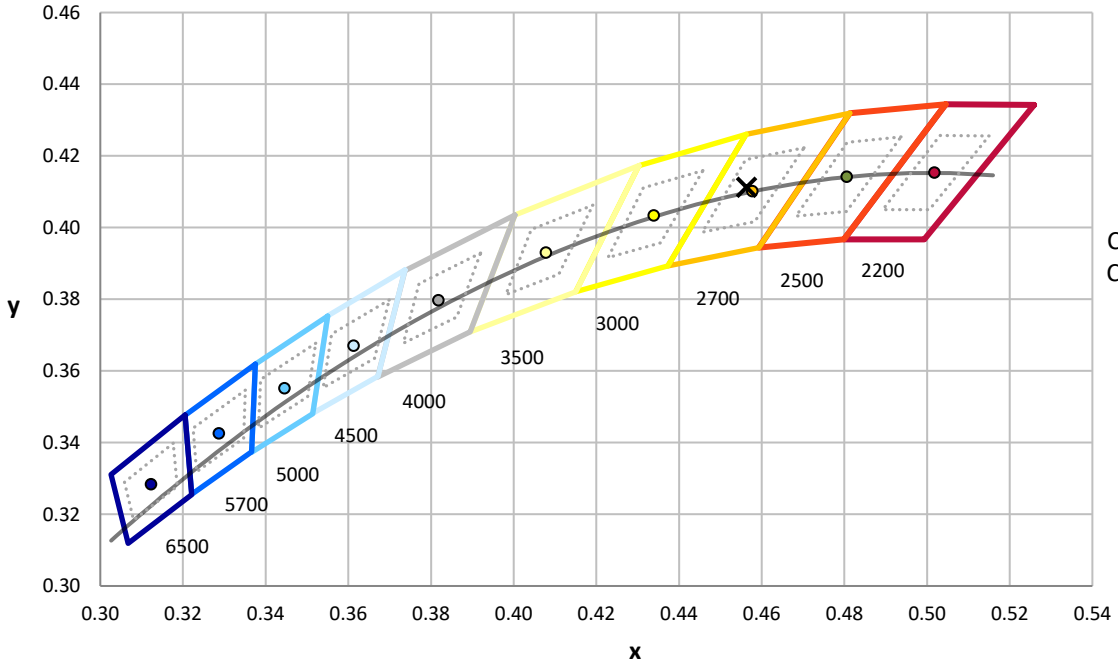
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

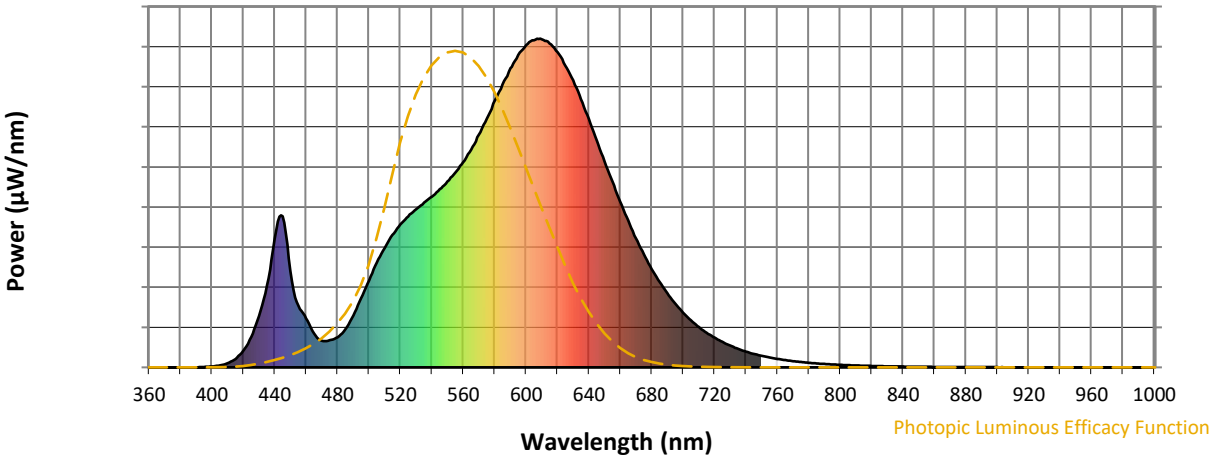



CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

## Photopic Flux vs. Wavelength

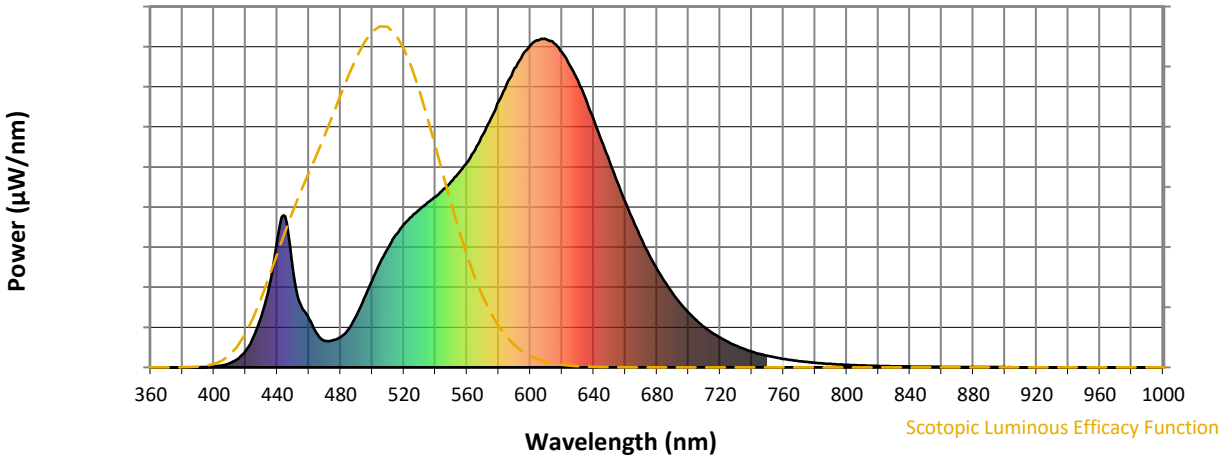



## Photopic Lumens: NR

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Scotopic Flux vs. Wavelength

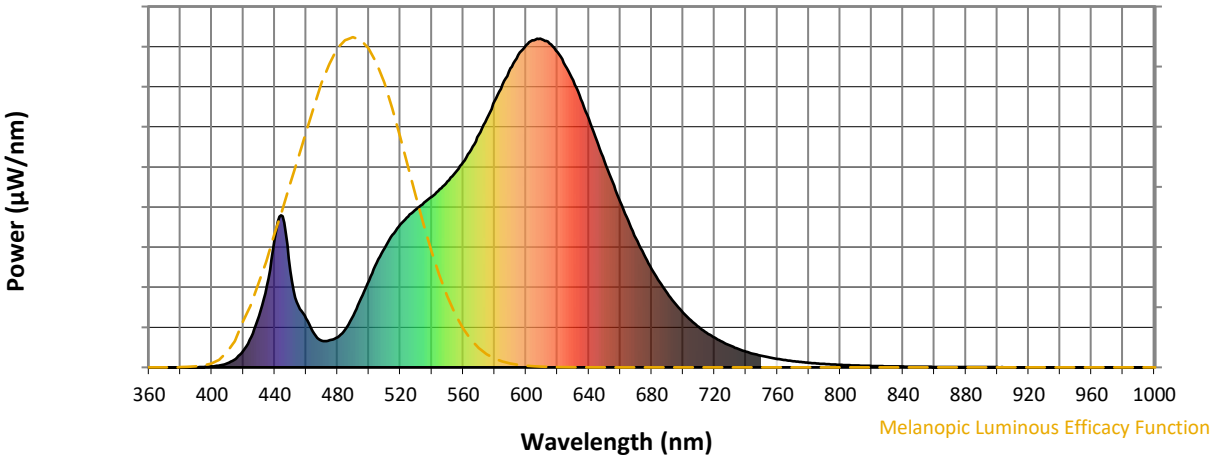



**Scotopic Lumens: NR** **S/P: 1.2**

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.16**

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

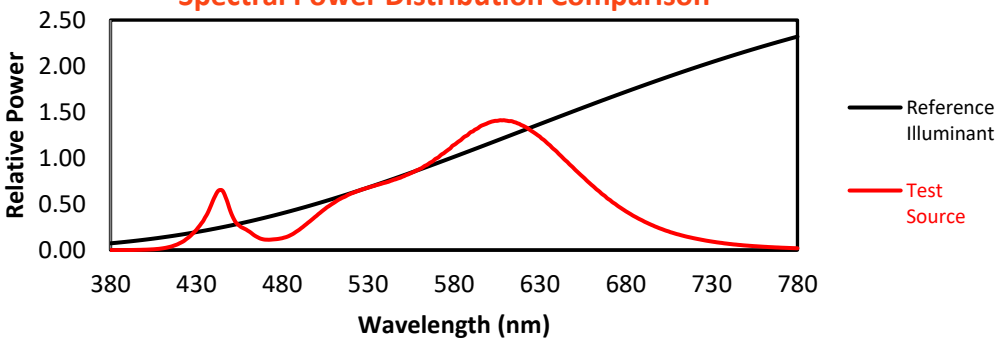
REPORT NUMBER: SP1-2407-184-8

# TM-30-18

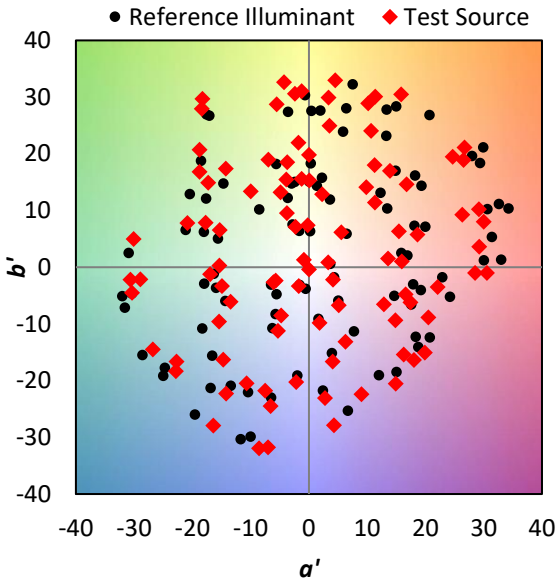
## Summary

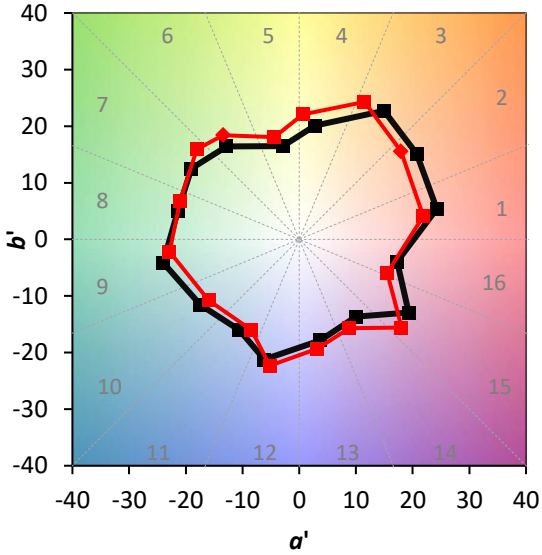
$R_f$ = 82.2
$R_g$ = 99.9
CIE $R_a$ = 82.9
$R_9$ = 10.8

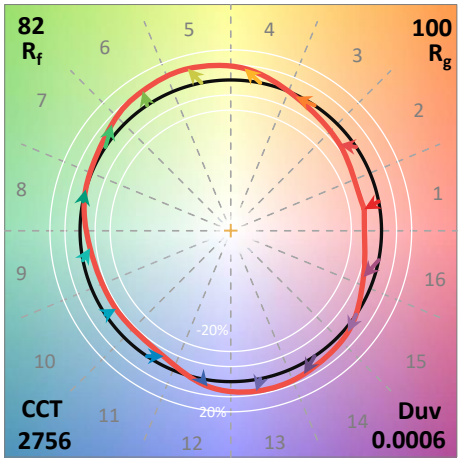
## Spectral Power Distribution Comparison

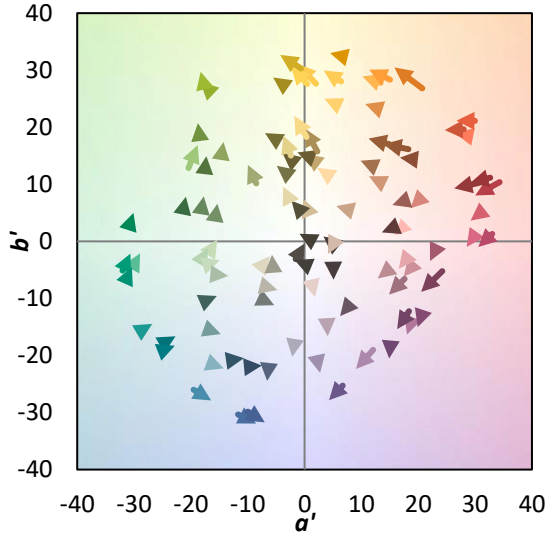



## Color Vector Graphics



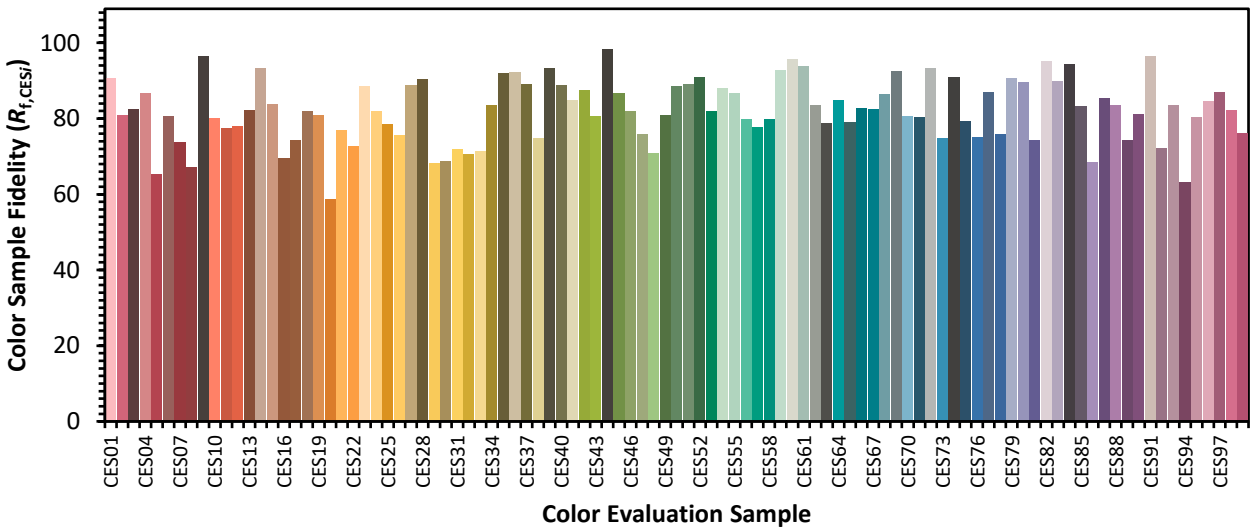



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

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

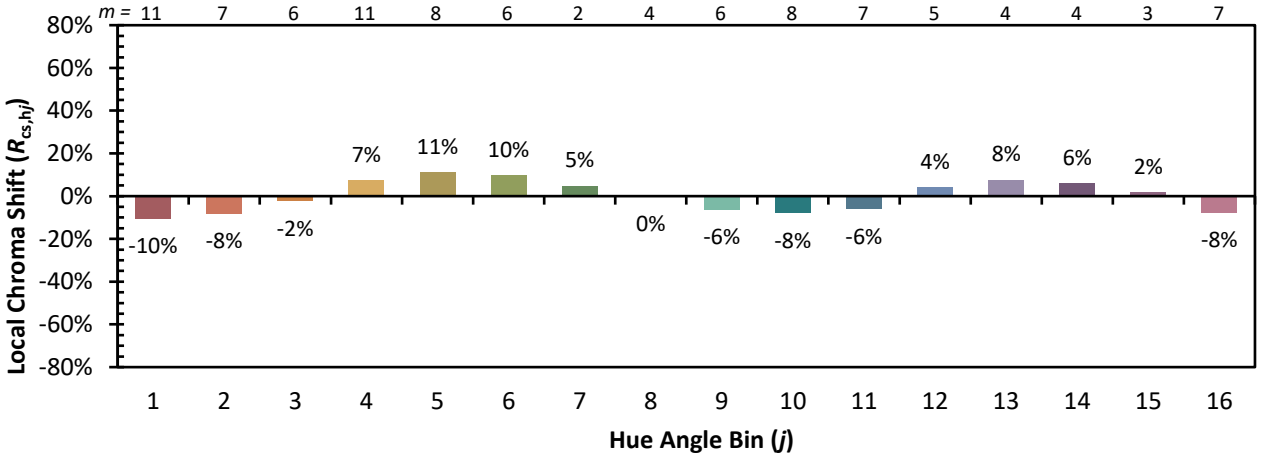
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 76 | CES51 = 89 | CES76 = 75 |
| CES02 = 63 | CES27 = 89 | CES52 = 91 | CES77 = 87 |
| CES03 = 31 | CES28 = 90 | CES53 = 82 | CES78 = 76 |
| CES04 = 71 | CES29 = 68 | CES54 = 88 | CES79 = 91 |
| CES05 = 50 | CES30 = 69 | CES55 = 87 | CES80 = 90 |
| CES06 = 52 | CES31 = 72 | CES56 = 80 | CES81 = 74 |
| CES07 = 43 | CES32 = 71 | CES57 = 78 | CES82 = 95 |
| CES08 = 42 | CES33 = 71 | CES58 = 80 | CES83 = 90 |
| CES09 = 29 | CES34 = 84 | CES59 = 93 | CES84 = 94 |
| CES10 = 77 | CES35 = 92 | CES60 = 96 | CES85 = 83 |
| CES11 = 59 | CES36 = 92 | CES61 = 94 | CES86 = 69 |
| CES12 = 66 | CES37 = 89 | CES62 = 84 | CES87 = 85 |
| CES13 = 44 | CES38 = 75 | CES63 = 79 | CES88 = 84 |
| CES14 = 74 | CES39 = 93 | CES64 = 85 | CES89 = 74 |
| CES15 = 72 | CES40 = 89 | CES65 = 79 | CES90 = 81 |
| CES16 = 48 | CES41 = 85 | CES66 = 83 | CES91 = 96 |
| CES17 = 50 | CES42 = 88 | CES67 = 82 | CES92 = 72 |
| CES18 = 57 | CES43 = 81 | CES68 = 86 | CES93 = 84 |
| CES19 = 73 | CES44 = 98 | CES69 = 92 | CES94 = 63 |
| CES20 = 67 | CES45 = 87 | CES70 = 81 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 81 | CES96 = 85 |
| CES22 = 79 | CES47 = 76 | CES72 = 93 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 75 | CES98 = 82 |
| CES24 = 91 | CES49 = 81 | CES74 = 91 | CES99 = 76 |
| CES25 = 72 | CES50 = 88 | CES75 = 79 | |

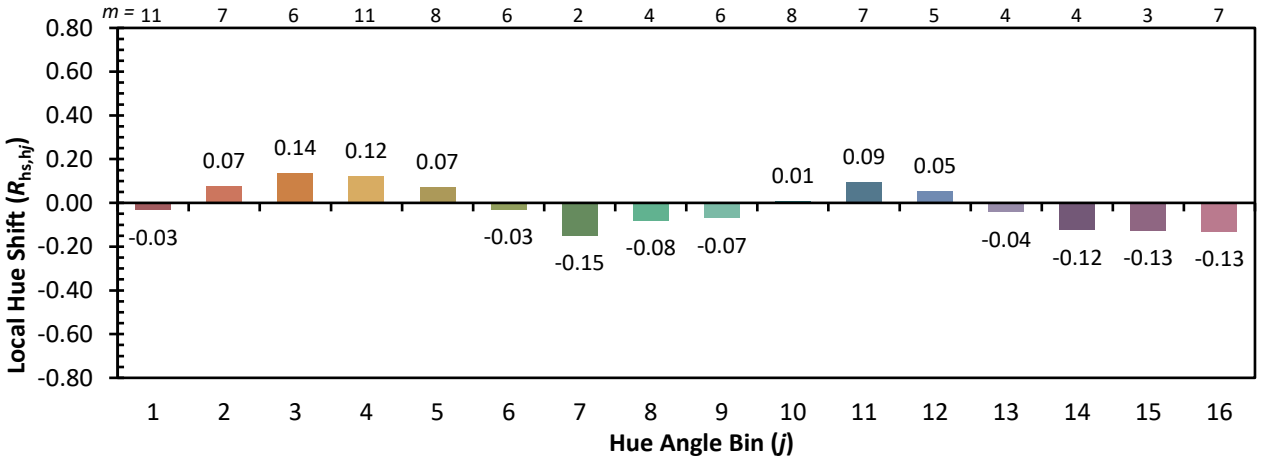


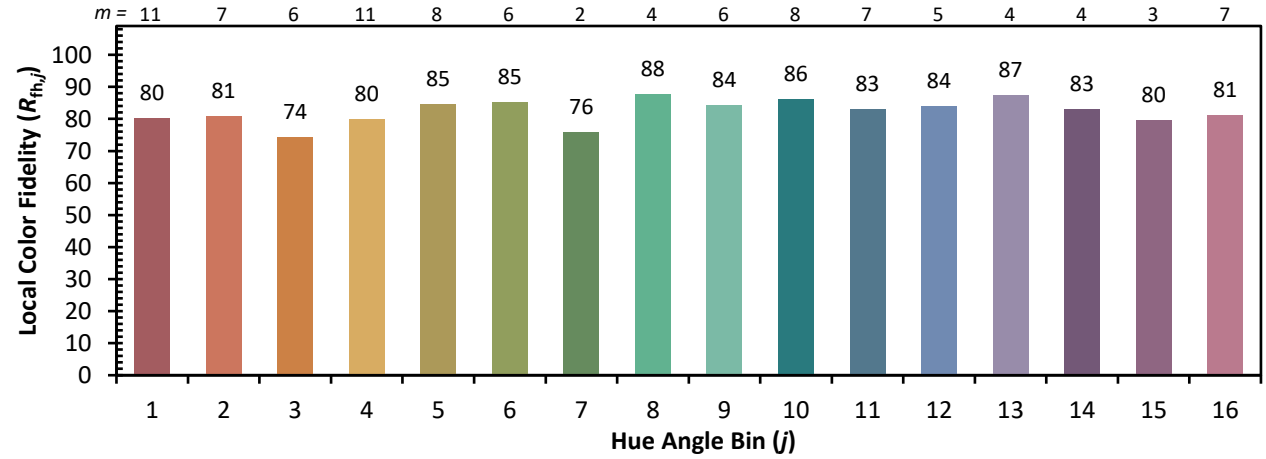
REPORT NUMBER: SP1-2407-184-8

**TM-30-18**

## Color Rendition by Hue-Angle Bin



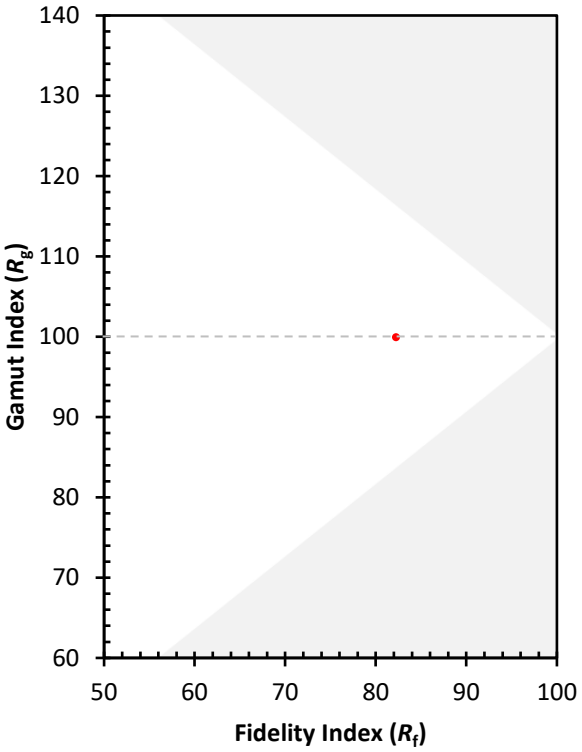



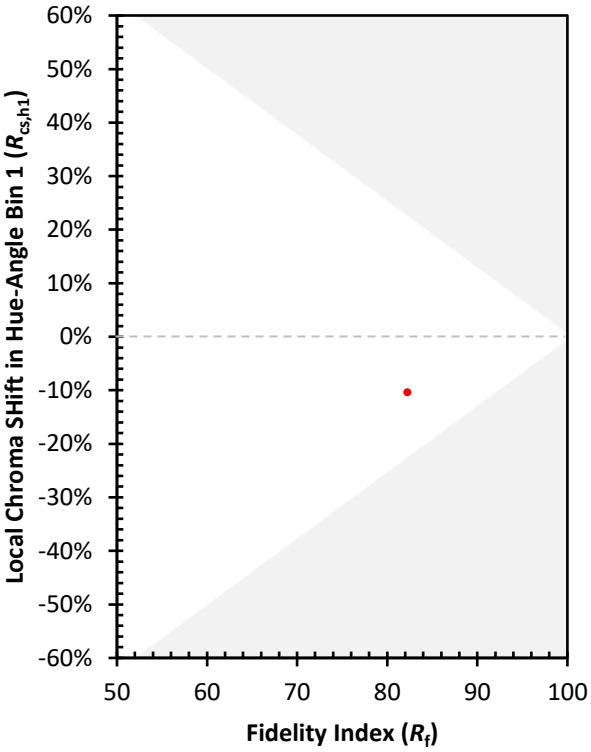



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

## Measure Comparisons




(END OF REPORT)