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: P1365104

Luminaire Tested: **GSS-SB1B-835-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: | P1365104 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1B-835-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (26) 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: | 4517.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 112.9 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 |

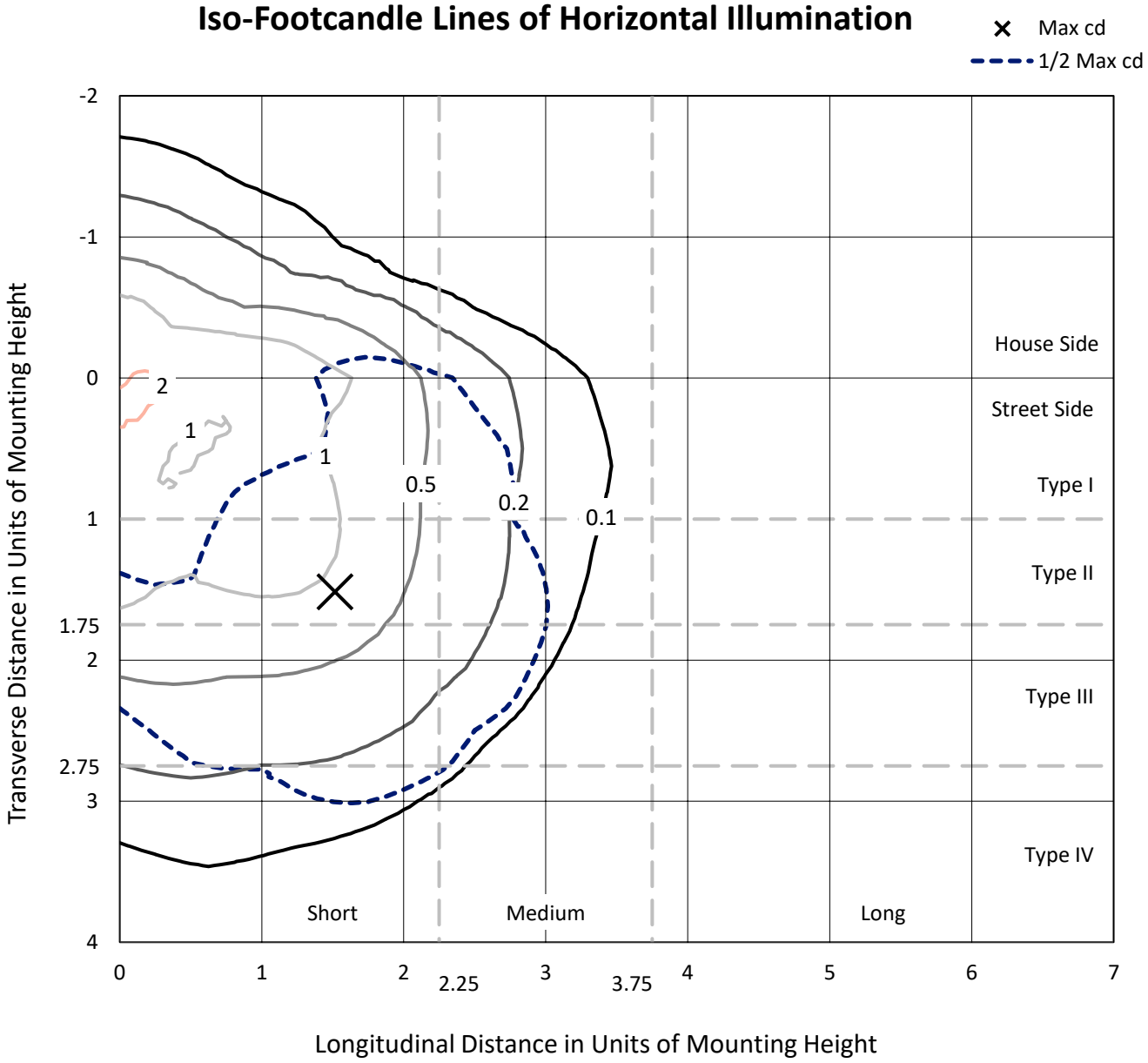
| | |
|---|---|
| Input Watts (W): | 40 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 5.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



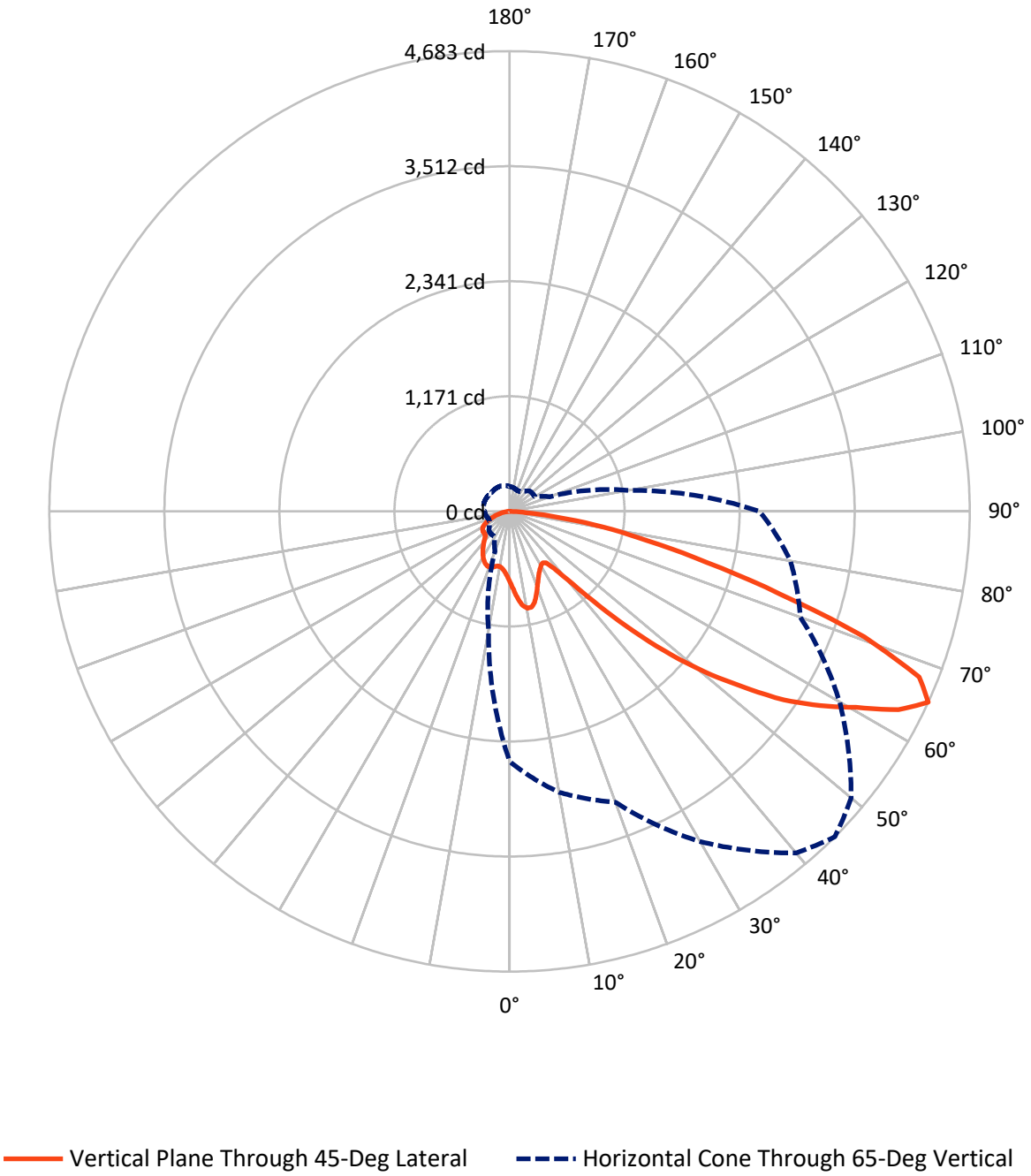

Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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Scaled Data Report

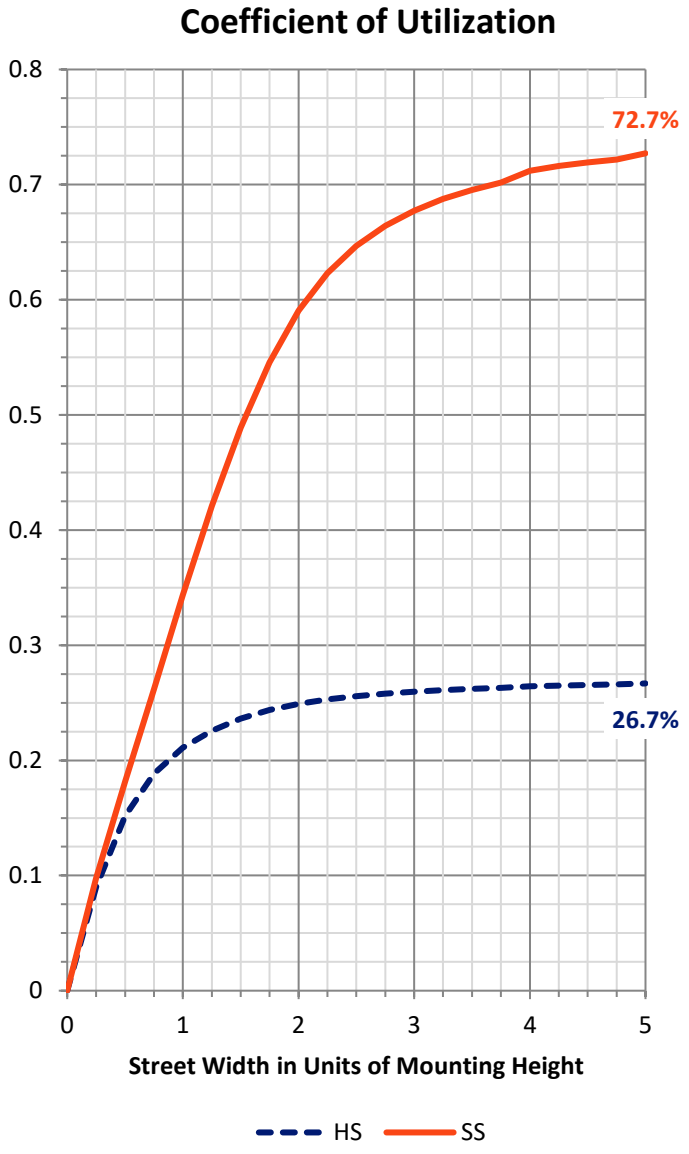
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1215.4 | 0.0 | 1215.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 3302.5 | 0.0 | 3302.5 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 4517.9 | 0.0 | 4517.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 71.1 | 1.6 |
| 10°-20° | 218.0 | 4.8 |
| 20°-30° | 337.4 | 7.5 |
| 30°-40° | 418.6 | 9.3 |
| 40°-50° | 612.1 | 13.5 |
| 50°-60° | 958.7 | 21.2 |
| 60°-70° | 1137.6 | 25.2 |
| 70°-80° | 663.5 | 14.7 |
| 80°-90° | 100.9 | 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° | 4517.9 | 100.0 |
| 0°-180° | 4517.9 | 100.0 |



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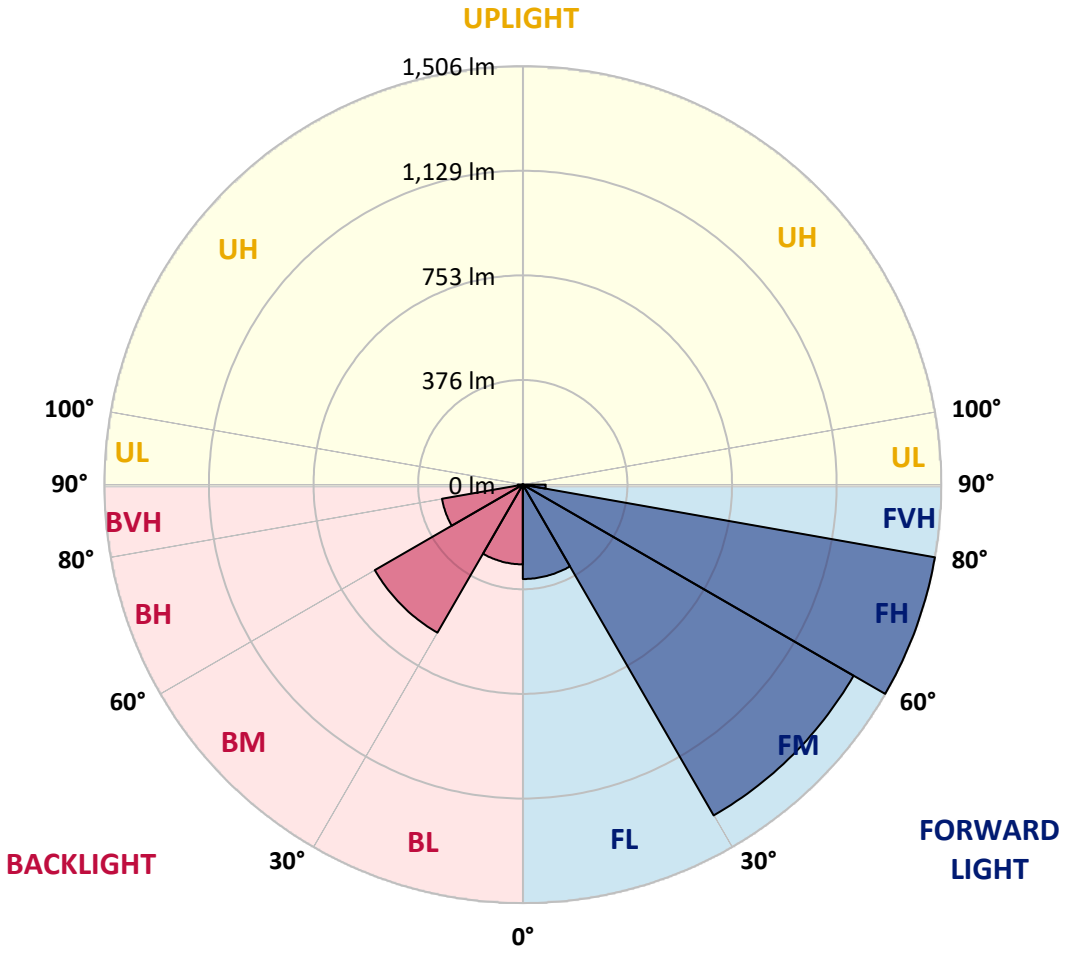
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 339.6 | 7.5 | | | |
| FM | (30°-60°) | 1374.4 | 30.4 | | | |
| FH | (60°-80°) | 1505.9 | 33.3 | | | G1/1800 |
| FVH | (80°-90°) | 82.6 | 1.8 | | | G1/100 |
| BL | (0°-30°) | 286.9 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 614.9 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 295.2 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 18.4 | 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° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | *720.4* | 720.4 |
| 2.5° | 778.4 | 781.2 | 783.9 | 786.9 | 790.0 | 791.8 | 793.5 | 795.4 | 797.2 | *798.8* | 797.2 |
| 5° | 831.4 | 843.9 | 856.3 | 864.7 | 873.1 | 879.5 | 885.9 | 889.5 | 893.3 | *893.9* | 893.3 |
| 7.5° | 885.0 | 899.8 | 914.6 | 927.4 | 940.3 | 948.4 | 956.6 | 961.4 | 966.2 | *967.9* | 966.2 |
| 10° | 918.7 | 936.1 | 953.5 | 965.9 | 978.4 | 986.0 | 993.5 | 997.3 | 1001.0 | *1002.1* | 1001.0 |
| 12.5° | 935.8 | 952.5 | 969.2 | 978.8 | 988.3 | 993.2 | 997.9 | 999.7 | 1001.3 | *999.9* | 1001.3 |
| 15° | 944.1 | 954.0 | 963.7 | 967.8 | 971.8 | 969.4 | 967.0 | 963.6 | 960.1 | *957.9* | 960.1 |
| 17.5° | 946.3 | 949.8 | 953.3 | 945.9 | 938.6 | 925.3 | 912.1 | 902.1 | 892.2 | *885.0* | 892.2 |
| 20° | 953.5 | 948.0 | 942.5 | 922.8 | 903.2 | 878.4 | 853.5 | 836.8 | 820.0 | *809.9* | 820.0 |
| 22.5° | 961.3 | 945.7 | 930.1 | 897.1 | 864.0 | 830.0 | 796.1 | 776.8 | 757.7 | *746.9* | 757.7 |
| 25° | 973.4 | 946.7 | 919.8 | 875.2 | 830.7 | 790.7 | 750.8 | 729.9 | 709.1 | *697.2* | 709.1 |
| 27.5° | 991.1 | 950.2 | 909.3 | 854.1 | 798.8 | 755.5 | 712.1 | 692.2 | 672.3 | *661.8* | 672.3 |
| 30° | 1015.9 | 961.7 | 907.3 | 841.3 | 775.1 | 729.8 | 684.5 | 665.0 | 645.5 | *634.2* | 645.5 |
| 32.5° | 1046.3 | 977.8 | 909.3 | 835.3 | 761.3 | 715.1 | 669.0 | 650.3 | 631.8 | *622.1* | 631.8 |
| 35° | 1097.7 | 1011.0 | 924.2 | 842.1 | 760.2 | 717.3 | 674.5 | 660.8 | 647.2 | *641.9* | 647.2 |
| 37.5° | 1162.9 | 1061.6 | 960.1 | 875.6 | 791.1 | 761.9 | 732.8 | 732.8 | 732.8 | *737.0* | 732.8 |
| 40° | 1259.0 | 1145.2 | 1031.4 | 951.4 | 871.5 | 869.8 | 868.2 | 886.8 | 905.5 | *913.7* | 905.5 |
| 42.5° | 1393.8 | 1273.5 | 1153.3 | 1088.8 | 1024.2 | 1062.9 | 1101.6 | 1155.3 | 1209.0 | *1244.1* | 1209.0 |
| 45° | 1561.2 | 1444.1 | 1327.0 | 1281.9 | 1236.9 | 1323.0 | 1409.0 | 1503.9 | 1598.8 | *1666.2* | 1598.8 |
| 47.5° | 1721.4 | 1622.9 | 1524.2 | 1498.5 | 1472.8 | 1615.9 | 1759.0 | 1898.1 | 2037.2 | *2119.2* | 2037.2 |
| 50° | 1907.0 | 1818.4 | 1729.7 | 1724.7 | 1719.8 | 1910.4 | 2100.9 | 2280.5 | 2460.0 | *2560.0* | 2460.0 |
| 52.5° | 2145.1 | 2047.8 | 1950.4 | 1954.3 | 1958.1 | 2184.5 | 2410.9 | 2628.0 | 2845.1 | *2957.8* | 2845.1 |
| 55° | 2429.7 | 2307.6 | 2185.5 | 2184.8 | 2184.1 | 2444.2 | 2704.5 | 2971.3 | 3238.2 | *3388.7* | 3238.2 |
| 57.5° | 2719.7 | 2605.3 | 2491.0 | 2463.8 | 2436.5 | 2708.5 | 2980.4 | 3275.0 | 3569.7 | *3727.9* | 3569.7 |
| 60° | 2937.3 | 2874.4 | 2811.4 | 2767.9 | 2724.4 | 3003.8 | 3283.2 | 3587.5 | 3891.6 | *4049.4* | 3891.6 |
| 62.5° | 2847.3 | 2959.9 | 3072.5 | 3069.3 | 3066.1 | 3367.6 | 3669.1 | 3985.6 | 4302.2 | *4443.9* | 4302.2 |
| 65° | *2543.5* | *2723.0* | *2902.5* | *3026.1* | *3149.5* | *3514.0* | *3878.4* | *4208.1* | *4537.8* | *4682.5* | *4537.8* |
| 67.5° | 2258.4 | 2416.6 | 2574.9 | 2676.0 | 2777.1 | 3187.8 | 3598.6 | 3972.7 | 4346.9 | *4495.8* | 4346.9 |
| 70° | 1985.5 | 2160.7 | 2336.0 | 2408.2 | 2480.5 | 2829.4 | 3178.2 | 3474.2 | 3770.1 | *3828.4* | 3770.1 |
| 72.5° | 1704.3 | 1912.7 | 2121.2 | 2151.8 | 2182.4 | 2436.3 | 2690.2 | 2847.9 | 3005.5 | *2878.2* | 3005.5 |
| 75° | 1395.5 | 1630.6 | 1865.6 | 1886.0 | 1906.5 | 1985.6 | 2064.8 | 2104.9 | 2145.1 | *2072.8* | 2145.1 |
| 77.5° | 928.1 | 1131.6 | 1335.3 | 1381.1 | 1427.0 | 1479.7 | 1532.5 | 1529.7 | 1527.0 | *1425.3* | 1527.0 |
| 80° | 544.7 | 703.9 | 863.1 | 869.1 | 875.1 | 914.6 | 954.1 | 994.4 | 1034.7 | *970.1* | 1034.7 |
| 82.5° | 272.4 | 359.8 | 447.3 | 460.7 | 474.2 | 498.4 | 522.6 | 533.9 | 545.3 | *490.6* | 545.3 |
| 85° | 61.9 | 84.6 | 107.4 | 129.4 | 151.4 | 176.8 | 202.2 | 199.3 | 196.4 | *165.7* | 196.4 |
| 87.5° | 5.0 | 5.1 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 6.1 | 6.4 | *6.6* | 6.4 |
| 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° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 795.4 | 793.5 | 791.8 | 790.0 | 786.9 | 783.9 | 781.2 | 778.4 | 771.3 | 764.4 | 758.0 |
| 5° | 889.5 | 885.9 | 879.5 | 873.1 | 864.7 | 856.3 | 843.9 | 831.4 | 818.9 | 806.6 | 793.5 |
| 7.5° | 961.4 | 956.6 | 948.4 | 940.3 | 927.4 | 914.6 | 899.8 | 885.0 | 864.0 | 843.0 | 823.3 |
| 10° | 997.3 | 993.5 | 986.0 | 978.4 | 965.9 | 953.5 | 936.1 | 918.7 | 893.6 | 868.4 | 843.9 |
| 12.5° | 999.7 | 997.9 | 993.2 | 988.3 | 978.8 | 969.2 | 952.5 | 935.8 | 910.9 | 885.9 | 858.4 |
| 15° | 963.6 | 967.0 | 969.4 | 971.8 | 967.8 | 963.7 | 954.0 | 944.1 | 918.8 | 893.6 | 865.7 |
| 17.5° | 902.1 | 912.1 | 925.3 | 938.6 | 945.9 | 953.3 | 949.8 | 946.3 | 922.7 | 899.2 | 869.3 |
| 20° | 836.8 | 853.5 | 878.4 | 903.2 | 922.8 | 942.5 | 948.0 | 953.5 | 929.7 | 905.8 | 873.7 |
| 22.5° | 776.8 | 796.1 | 830.0 | 864.0 | 897.1 | 930.1 | 945.7 | 961.3 | 939.4 | 917.6 | 882.4 |
| 25° | 729.9 | 750.8 | 790.7 | 830.7 | 875.2 | 919.8 | 946.7 | 973.4 | 954.5 | 935.6 | 897.2 |
| 27.5° | 692.2 | 712.1 | 755.5 | 798.8 | 854.1 | 909.3 | 950.2 | 991.1 | 976.6 | 962.1 | 918.8 |
| 30° | 665.0 | 684.5 | 729.8 | 775.1 | 841.3 | 907.3 | 961.7 | 1015.9 | 1004.6 | 993.3 | 944.5 |
| 32.5° | 650.3 | 669.0 | 715.1 | 761.3 | 835.3 | 909.3 | 977.8 | 1046.3 | 1039.3 | 1032.2 | 974.6 |
| 35° | 660.8 | 674.5 | 717.3 | 760.2 | 842.1 | 924.2 | 1011.0 | 1097.7 | 1088.9 | 1080.0 | 1006.7 |
| 37.5° | 732.8 | 732.8 | 761.9 | 791.1 | 875.6 | 960.1 | 1061.6 | 1162.9 | 1152.4 | 1141.9 | 1045.8 |
| 40° | 886.8 | 868.2 | 869.8 | 871.5 | 951.4 | 1031.4 | 1145.2 | 1259.0 | 1238.4 | 1217.6 | 1090.5 |
| 42.5° | 1155.3 | 1101.6 | 1062.9 | 1024.2 | 1088.8 | 1153.3 | 1273.5 | 1393.8 | 1350.1 | 1306.2 | 1140.0 |
| 45° | 1503.9 | 1409.0 | 1323.0 | 1236.9 | 1281.9 | 1327.0 | 1444.1 | 1561.2 | 1491.0 | 1420.9 | 1207.2 |
| 47.5° | 1898.1 | 1759.0 | 1615.9 | 1472.8 | 1498.5 | 1524.2 | 1622.9 | 1721.4 | 1632.6 | 1543.8 | 1276.3 |
| 50° | 2280.5 | 2100.9 | 1910.4 | 1719.8 | 1724.7 | 1729.7 | 1818.4 | 1907.0 | 1786.6 | 1666.2 | 1336.5 |
| 52.5° | 2628.0 | 2410.9 | 2184.5 | 1958.1 | 1954.3 | 1950.4 | 2047.8 | 2145.1 | 1953.9 | 1762.5 | 1365.0 |
| 55° | 2971.3 | 2704.5 | 2444.2 | 2184.1 | 2184.8 | 2185.5 | 2307.6 | 2429.7 | 2121.9 | 1814.2 | 1357.5 |
| 57.5° | 3275.0 | 2980.4 | 2708.5 | 2436.5 | 2463.8 | 2491.0 | 2605.3 | 2719.7 | 2263.0 | 1806.5 | 1316.5 |
| 60° | 3587.5 | 3283.2 | 3003.8 | 2724.4 | 2767.9 | 2811.4 | 2874.4 | 2937.3 | 2326.2 | 1715.0 | 1218.3 |
| 62.5° | 3985.6 | 3669.1 | 3367.6 | 3066.1 | 3069.3 | 3072.5 | 2959.9 | 2847.3 | 2186.0 | 1524.7 | 1057.3 |
| 65° | *4208.1* | *3878.4* | *3514.0* | *3149.5* | *3026.1* | *2902.5* | *2723.0* | *2543.5* | *1885.5* | *1227.5* | *829.3* |
| 67.5° | 3972.7 | 3598.6 | 3187.8 | 2777.1 | 2676.0 | 2574.9 | 2416.6 | 2258.4 | 1619.3 | 980.3 | 645.4 |
| 70° | 3474.2 | 3178.2 | 2829.4 | 2480.5 | 2408.2 | 2336.0 | 2160.7 | 1985.5 | 1375.7 | 765.9 | 494.5 |
| 72.5° | 2847.9 | 2690.2 | 2436.3 | 2182.4 | 2151.8 | 2121.2 | 1912.7 | 1704.3 | 1142.3 | 580.3 | 371.8 |
| 75° | 2104.9 | 2064.8 | 1985.6 | 1906.5 | 1886.0 | 1865.6 | 1630.6 | 1395.5 | 912.1 | 428.7 | 275.6 |
| 77.5° | 1529.7 | 1532.5 | 1479.7 | 1427.0 | 1381.1 | 1335.3 | 1131.6 | 928.1 | 598.4 | 268.7 | 178.1 |
| 80° | 994.4 | 954.1 | 914.6 | 875.1 | 869.1 | 863.1 | 703.9 | 544.7 | 343.1 | 141.4 | 98.4 |
| 82.5° | 533.9 | 522.6 | 498.4 | 474.2 | 460.7 | 447.3 | 359.8 | 272.4 | 171.9 | 71.6 | 52.9 |
| 85° | 199.3 | 202.2 | 176.8 | 151.4 | 129.4 | 107.4 | 84.6 | 61.9 | 40.9 | 19.9 | 16.8 |
| 87.5° | 6.1 | 5.7 | 5.6 | 5.5 | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.6 | 4.5 |
| 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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CATALOG NUMBER: GSS-SB1B-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 751.5 | 745.1 | 738.6 | 732.4 | 726.1 | 719.8 | 714.3 | 708.3 | 702.5 | 697.8 | 693.3 |
| 5° | 780.6 | 767.9 | 755.2 | 743.1 | 731.2 | 718.7 | 708.0 | 697.4 | 687.0 | 678.4 | 669.8 |
| 7.5° | 803.5 | 785.8 | 768.1 | 752.3 | 736.4 | 719.8 | 706.9 | 694.0 | 681.2 | 670.0 | 658.7 |
| 10° | 819.3 | 797.5 | 775.6 | 757.4 | 739.2 | 721.5 | 707.7 | 694.1 | 680.6 | 669.1 | 657.6 |
| 12.5° | 830.9 | 806.5 | 782.0 | 761.9 | 741.9 | 722.6 | 709.1 | 697.8 | 686.7 | 678.6 | 670.7 |
| 15° | 837.7 | 811.4 | 785.0 | 762.4 | 739.7 | 718.2 | 706.2 | 699.0 | 691.7 | 691.0 | 690.3 |
| 17.5° | 839.5 | 809.4 | 779.5 | 753.1 | 726.8 | 701.6 | 691.4 | 690.4 | 689.5 | 700.4 | 711.3 |
| 20° | 841.7 | 806.5 | 771.2 | 736.5 | 701.8 | 668.5 | 662.0 | 668.3 | 674.5 | 696.0 | 717.3 |
| 22.5° | 847.2 | 804.1 | 761.0 | 717.5 | 674.0 | 634.2 | 628.1 | 637.4 | 646.6 | 674.5 | 702.5 |
| 25° | 858.7 | 803.9 | 749.1 | 694.9 | 640.6 | 595.0 | 594.4 | 604.5 | 614.5 | 640.4 | 666.2 |
| 27.5° | 875.6 | 806.0 | 736.4 | 671.7 | 606.8 | 560.2 | 562.9 | 572.6 | 582.3 | 601.5 | 620.7 |
| 30° | 895.5 | 810.5 | 725.7 | 651.4 | 577.3 | 532.0 | 535.0 | 542.5 | 550.0 | 563.9 | 577.9 |
| 32.5° | 917.1 | 815.6 | 714.3 | 633.8 | 553.3 | 511.6 | 511.6 | 514.8 | 518.0 | 527.0 | 536.1 |
| 35° | 933.4 | 814.4 | 695.5 | 613.7 | 531.7 | 499.4 | 492.6 | 489.9 | 487.3 | 493.2 | 499.2 |
| 37.5° | 949.7 | 811.0 | 672.3 | 591.3 | 510.5 | 485.0 | 472.0 | 464.9 | 457.6 | 460.5 | 463.2 |
| 40° | 963.5 | 803.3 | 643.0 | 564.7 | 486.4 | 466.3 | 449.9 | 439.3 | 428.7 | 428.5 | 428.1 |
| 42.5° | 973.6 | 789.9 | 606.0 | 533.0 | 459.9 | 445.8 | 425.6 | 412.1 | 398.6 | 397.2 | 395.8 |
| 45° | 993.5 | 780.7 | 567.9 | 500.7 | 433.7 | 421.0 | 400.9 | 386.9 | 373.2 | 371.0 | 368.8 |
| 47.5° | 1008.8 | 770.0 | 531.2 | 468.7 | 406.4 | 391.7 | 372.9 | 361.1 | 349.1 | 347.8 | 346.4 |
| 50° | 1006.8 | 751.8 | 496.6 | 440.2 | 383.6 | 363.5 | 344.9 | 335.2 | 325.4 | 327.0 | 328.7 |
| 52.5° | 967.3 | 714.4 | 461.6 | 414.6 | 367.7 | 342.0 | 322.1 | 314.8 | 307.4 | 312.6 | 317.7 |
| 55° | 900.7 | 664.9 | 428.9 | 393.1 | 357.1 | 331.5 | 308.0 | 299.9 | 291.7 | 299.0 | 306.3 |
| 57.5° | 826.5 | 613.1 | 399.7 | 375.0 | 350.2 | 328.7 | 300.0 | 288.5 | 277.1 | 284.4 | 291.7 |
| 60° | 721.5 | 547.6 | 373.7 | 356.3 | 339.0 | 322.1 | 293.3 | 279.0 | 264.6 | 269.5 | 274.2 |
| 62.5° | 589.8 | 464.5 | 339.2 | 329.5 | 319.9 | 312.7 | 285.3 | 266.5 | 247.7 | 248.4 | 248.8 |
| 65° | *431.1* | *365.1* | *298.9* | *296.8* | *294.8* | *292.8* | *270.1* | *249.9* | *229.8* | *227.6* | *225.4* |
| 67.5° | 310.5 | 279.1 | 247.7 | 253.6 | 259.4 | 262.4 | 246.9 | 229.2 | 211.3 | 206.7 | 202.2 |
| 70° | 223.2 | 212.1 | 201.1 | 209.8 | 218.5 | 217.7 | 210.1 | 199.5 | 188.9 | 186.1 | 183.2 |
| 72.5° | 163.3 | 163.1 | 163.0 | 169.6 | 176.2 | 167.4 | 172.1 | 169.7 | 167.4 | 165.3 | 163.3 |
| 75° | 122.4 | 121.6 | 121.0 | 128.8 | 136.8 | 140.3 | 143.4 | 142.1 | 140.9 | 139.3 | 137.9 |
| 77.5° | 87.5 | 88.2 | 88.6 | 97.2 | 105.8 | 116.0 | 116.6 | 113.7 | 110.7 | 109.2 | 107.4 |
| 80° | 55.5 | 56.1 | 56.6 | 65.6 | 74.6 | 88.9 | 88.4 | 84.9 | 81.2 | 80.0 | 78.7 |
| 82.5° | 34.3 | 34.4 | 34.5 | 38.9 | 43.3 | 51.4 | 53.6 | 53.6 | 53.6 | 52.8 | 51.9 |
| 85° | 13.8 | 14.5 | 15.2 | 18.1 | 21.0 | 25.4 | 26.7 | 27.0 | 27.1 | 25.9 | 24.5 |
| 87.5° | 4.4 | 4.6 | 5.0 | 5.5 | 6.1 | 6.6 | 7.7 | 8.4 | 9.1 | 9.7 | 10.2 |
| 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
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Scaled Data Report

REPORT NUMBER: P1365104
CATALOG NUMBER: GSS-SB1B-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 689.3 | 685.3 | 680.5 | 675.6 | 672.2 | 668.7 | 666.4 | 664.0 | 662.9 | 661.8 | 660.9 |
| 5° | 662.7 | 655.4 | 649.0 | 642.5 | 637.4 | 632.2 | 628.0 | 623.7 | 621.9 | 620.1 | 618.8 |
| 7.5° | 649.2 | 639.7 | 631.8 | 623.7 | 616.1 | 608.6 | 603.7 | 598.9 | 596.0 | 593.1 | 591.0 |
| 10° | 647.6 | 637.5 | 627.0 | 616.5 | 608.1 | 599.7 | 592.4 | 585.4 | 581.3 | 577.3 | 575.1 |
| 12.5° | 661.4 | 652.1 | 639.6 | 627.0 | 615.6 | 604.4 | 595.4 | 586.5 | 581.4 | 576.5 | 573.2 |
| 15° | 687.1 | 683.9 | 672.3 | 660.7 | 645.0 | 629.2 | 616.4 | 603.5 | 596.4 | 589.1 | 585.0 |
| 17.5° | 717.6 | 723.9 | 715.9 | 707.7 | 685.6 | 663.5 | 644.4 | 625.4 | 615.0 | 604.6 | 600.9 |
| 20° | 734.3 | 751.3 | 750.4 | 749.7 | 720.8 | 691.9 | 666.8 | 641.7 | 627.8 | 614.1 | 608.6 |
| 22.5° | 727.0 | 751.5 | 757.8 | 764.0 | 735.7 | 707.4 | 676.4 | 645.5 | 629.1 | 612.7 | 607.5 |
| 25° | 692.7 | 719.1 | 730.8 | 742.5 | 719.2 | 695.9 | 665.8 | 635.9 | 618.6 | 601.3 | 596.0 |
| 27.5° | 641.9 | 663.2 | 676.3 | 689.5 | 675.2 | 660.9 | 636.6 | 612.3 | 597.1 | 581.7 | 576.1 |
| 30° | 592.2 | 606.6 | 617.1 | 627.6 | 618.2 | 608.8 | 591.3 | 574.0 | 562.6 | 551.3 | 547.8 |
| 32.5° | 546.8 | 557.4 | 563.3 | 569.0 | 561.7 | 554.4 | 542.9 | 531.5 | 524.4 | 517.3 | 515.0 |
| 35° | 507.8 | 516.5 | 521.0 | 525.4 | 519.3 | 513.2 | 502.9 | 492.8 | 487.7 | 482.6 | 480.7 |
| 37.5° | 470.6 | 477.9 | 484.2 | 490.6 | 486.2 | 481.7 | 473.0 | 464.3 | 458.3 | 452.1 | 448.8 |
| 40° | 435.2 | 442.2 | 450.1 | 458.0 | 457.2 | 456.3 | 448.0 | 439.7 | 431.1 | 422.6 | 418.1 |
| 42.5° | 402.7 | 409.7 | 418.1 | 426.5 | 428.1 | 429.8 | 423.0 | 416.0 | 406.0 | 396.1 | 389.1 |
| 45° | 374.8 | 381.0 | 390.1 | 399.4 | 403.3 | 407.2 | 401.0 | 394.7 | 383.5 | 372.3 | 364.1 |
| 47.5° | 352.7 | 359.1 | 369.3 | 379.5 | 383.6 | 387.8 | 383.6 | 379.5 | 369.9 | 360.2 | 352.9 |
| 50° | 335.7 | 342.5 | 350.5 | 358.5 | 366.2 | 373.7 | 372.9 | 372.1 | 364.5 | 356.9 | 350.0 |
| 52.5° | 324.0 | 330.4 | 338.6 | 346.9 | 354.9 | 363.0 | 364.2 | 365.5 | 360.0 | 354.4 | 348.5 |
| 55° | 313.9 | 321.5 | 329.3 | 337.0 | 344.5 | 351.9 | 353.6 | 355.2 | 351.2 | 347.2 | 342.7 |
| 57.5° | 300.0 | 308.3 | 316.0 | 323.7 | 332.5 | 341.2 | 342.5 | 343.8 | 339.6 | 335.3 | 332.0 |
| 60° | 282.7 | 291.1 | 299.2 | 307.2 | 316.0 | 324.8 | 326.6 | 328.4 | 325.1 | 321.7 | 318.7 |
| 62.5° | 258.4 | 267.9 | 274.6 | 281.2 | 289.6 | 298.1 | 300.6 | 303.3 | 301.7 | 300.3 | 296.8 |
| 65° | *234.5* | *243.6* | *248.8* | *254.1* | *261.4* | *268.7* | *271.3* | *273.8* | *273.0* | *272.4* | *269.8* |
| 67.5° | 210.6 | 219.0 | 223.3 | 227.6 | 232.6 | 237.6 | 240.4 | 243.3 | 241.9 | 240.3 | 237.7 |
| 70° | 190.0 | 196.9 | 200.6 | 204.4 | 208.4 | 212.4 | 213.9 | 215.5 | 213.2 | 211.0 | 205.1 |
| 72.5° | 168.5 | 173.7 | 176.9 | 180.1 | 183.9 | 187.6 | 188.5 | 189.5 | 186.1 | 182.5 | 175.6 |
| 75° | 141.9 | 145.8 | 148.3 | 150.8 | 154.7 | 158.6 | 160.2 | 161.9 | 157.0 | 152.3 | 144.9 |
| 77.5° | 111.0 | 114.7 | 117.0 | 119.3 | 122.5 | 125.7 | 126.2 | 126.8 | 122.6 | 118.4 | 114.0 |
| 80° | 81.3 | 84.0 | 84.9 | 85.6 | 88.3 | 90.8 | 90.8 | 90.8 | 87.7 | 84.5 | 82.3 |
| 82.5° | 51.4 | 50.8 | 49.7 | 48.6 | 51.3 | 53.9 | 54.8 | 55.8 | 54.4 | 53.0 | 50.6 |
| 85° | 23.0 | 21.2 | 20.9 | 20.4 | 20.3 | 20.1 | 20.9 | 21.5 | 21.2 | 21.0 | 20.1 |
| 87.5° | 10.8 | 11.3 | 10.9 | 10.5 | 10.1 | 9.7 | 8.8 | 8.0 | 7.3 | 6.6 | 6.2 |
| 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
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Scaled Data Report

REPORT NUMBER: P1365104
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 660.2 | 659.6 | 660.2 | 660.9 | 661.8 | 662.9 | 664.0 | 666.4 | 668.7 | 672.2 | 675.6 |
| 5° | 617.6 | 616.5 | 617.6 | 618.8 | 620.1 | 621.9 | 623.7 | 628.0 | 632.2 | 637.4 | 642.5 |
| 7.5° | 588.9 | 587.8 | 588.9 | 591.0 | 593.1 | 596.0 | 598.9 | 603.7 | 608.6 | 616.1 | 623.7 |
| 10° | 572.9 | 571.2 | 572.9 | 575.1 | 577.3 | 581.3 | 585.4 | 592.4 | 599.7 | 608.1 | 616.5 |
| 12.5° | 569.9 | 567.9 | 569.9 | 573.2 | 576.5 | 581.4 | 586.5 | 595.4 | 604.4 | 615.6 | 627.0 |
| 15° | 581.0 | 577.9 | 581.0 | 585.0 | 589.1 | 596.4 | 603.5 | 616.4 | 629.2 | 645.0 | 660.7 |
| 17.5° | 597.2 | 595.5 | 597.2 | 600.9 | 604.6 | 615.0 | 625.4 | 644.4 | 663.5 | 685.6 | 707.7 |
| 20° | 603.0 | 601.1 | 603.0 | 608.6 | 614.1 | 627.8 | 641.7 | 666.8 | 691.9 | 720.8 | 749.7 |
| 22.5° | 602.2 | 600.0 | 602.2 | 607.5 | 612.7 | 629.1 | 645.5 | 676.4 | 707.4 | 735.7 | 764.0 |
| 25° | 590.6 | 588.9 | 590.6 | 596.0 | 601.3 | 618.6 | 635.9 | 665.8 | 695.9 | 719.2 | 742.5 |
| 27.5° | 570.3 | 566.8 | 570.3 | 576.1 | 581.7 | 597.1 | 612.3 | 636.6 | 660.9 | 675.2 | 689.5 |
| 30° | 544.2 | 542.5 | 544.2 | 547.8 | 551.3 | 562.6 | 574.0 | 591.3 | 608.8 | 618.2 | 627.6 |
| 32.5° | 512.7 | 511.6 | 512.7 | 515.0 | 517.3 | 524.4 | 531.5 | 542.9 | 554.4 | 561.7 | 569.0 |
| 35° | 479.0 | 477.3 | 479.0 | 480.7 | 482.6 | 487.7 | 492.8 | 502.9 | 513.2 | 519.3 | 525.4 |
| 37.5° | 445.5 | 443.1 | 445.5 | 448.8 | 452.1 | 458.3 | 464.3 | 473.0 | 481.7 | 486.2 | 490.6 |
| 40° | 413.4 | 411.0 | 413.4 | 418.1 | 422.6 | 431.1 | 439.7 | 448.0 | 456.3 | 457.2 | 458.0 |
| 42.5° | 382.3 | 377.9 | 382.3 | 389.1 | 396.1 | 406.0 | 416.0 | 423.0 | 429.8 | 428.1 | 426.5 |
| 45° | 355.8 | 350.2 | 355.8 | 364.1 | 372.3 | 383.5 | 394.7 | 401.0 | 407.2 | 403.3 | 399.4 |
| 47.5° | 345.6 | 340.3 | 345.6 | 352.9 | 360.2 | 369.9 | 379.5 | 383.6 | 387.8 | 383.6 | 379.5 |
| 50° | 343.1 | 338.1 | 343.1 | 350.0 | 356.9 | 364.5 | 372.1 | 372.9 | 373.7 | 366.2 | 358.5 |
| 52.5° | 342.5 | 338.1 | 342.5 | 348.5 | 354.4 | 360.0 | 365.5 | 364.2 | 363.0 | 354.9 | 346.9 |
| 55° | 338.3 | 334.8 | 338.3 | 342.7 | 347.2 | 351.2 | 355.2 | 353.6 | 351.9 | 344.5 | 337.0 |
| 57.5° | 328.7 | 327.0 | 328.7 | 332.0 | 335.3 | 339.6 | 343.8 | 342.5 | 341.2 | 332.5 | 323.7 |
| 60° | 315.4 | 312.7 | 315.4 | 318.7 | 321.7 | 325.1 | 328.4 | 326.6 | 324.8 | 316.0 | 307.2 |
| 62.5° | 293.3 | 289.5 | 293.3 | 296.8 | 300.3 | 301.7 | 303.3 | 300.6 | 298.1 | 289.6 | 281.2 |
| 65° | *267.4* | *263.0* | *267.4* | *269.8* | *272.4* | *273.0* | *273.8* | *271.3* | *268.7* | *261.4* | *254.1* |
| 67.5° | 235.1 | 234.2 | 235.1 | 237.7 | 240.3 | 241.9 | 243.3 | 240.4 | 237.6 | 232.6 | 227.6 |
| 70° | 199.1 | 192.3 | 199.1 | 205.1 | 211.0 | 213.2 | 215.5 | 213.9 | 212.4 | 208.4 | 204.4 |
| 72.5° | 168.5 | 161.3 | 168.5 | 175.6 | 182.5 | 186.1 | 189.5 | 188.5 | 187.6 | 183.9 | 180.1 |
| 75° | 137.6 | 132.6 | 137.6 | 144.9 | 152.3 | 157.0 | 161.9 | 160.2 | 158.6 | 154.7 | 150.8 |
| 77.5° | 109.6 | 107.2 | 109.6 | 114.0 | 118.4 | 122.6 | 126.8 | 126.2 | 125.7 | 122.5 | 119.3 |
| 80° | 80.1 | 78.4 | 80.1 | 82.3 | 84.5 | 87.7 | 90.8 | 90.8 | 90.8 | 88.3 | 85.6 |
| 82.5° | 48.1 | 46.4 | 48.1 | 50.6 | 53.0 | 54.4 | 55.8 | 54.8 | 53.9 | 51.3 | 48.6 |
| 85° | 19.3 | 18.8 | 19.3 | 20.1 | 21.0 | 21.2 | 21.5 | 20.9 | 20.1 | 20.3 | 20.4 |
| 87.5° | 5.7 | 5.5 | 5.7 | 6.2 | 6.6 | 7.3 | 8.0 | 8.8 | 9.7 | 10.1 | 10.5 |
| 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
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Scaled Data Report

REPORT NUMBER: P1365104
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 680.5 | 685.3 | 689.3 | 693.3 | 697.8 | 702.5 | 708.3 | 714.3 | 719.8 | 726.1 | 732.4 |
| 5° | 649.0 | 655.4 | 662.7 | 669.8 | 678.4 | 687.0 | 697.4 | 708.0 | 718.7 | 731.2 | 743.1 |
| 7.5° | 631.8 | 639.7 | 649.2 | 658.7 | 670.0 | 681.2 | 694.0 | 706.9 | 719.8 | 736.4 | 752.3 |
| 10° | 627.0 | 637.5 | 647.6 | 657.6 | 669.1 | 680.6 | 694.1 | 707.7 | 721.5 | 739.2 | 757.4 |
| 12.5° | 639.6 | 652.1 | 661.4 | 670.7 | 678.6 | 686.7 | 697.8 | 709.1 | 722.6 | 741.9 | 761.9 |
| 15° | 672.3 | 683.9 | 687.1 | 690.3 | 691.0 | 691.7 | 699.0 | 706.2 | 718.2 | 739.7 | 762.4 |
| 17.5° | 715.9 | 723.9 | 717.6 | 711.3 | 700.4 | 689.5 | 690.4 | 691.4 | 701.6 | 726.8 | 753.1 |
| 20° | 750.4 | 751.3 | 734.3 | 717.3 | 696.0 | 674.5 | 668.3 | 662.0 | 668.5 | 701.8 | 736.5 |
| 22.5° | 757.8 | 751.5 | 727.0 | 702.5 | 674.5 | 646.6 | 637.4 | 628.1 | 634.2 | 674.0 | 717.5 |
| 25° | 730.8 | 719.1 | 692.7 | 666.2 | 640.4 | 614.5 | 604.5 | 594.4 | 595.0 | 640.6 | 694.9 |
| 27.5° | 676.3 | 663.2 | 641.9 | 620.7 | 601.5 | 582.3 | 572.6 | 562.9 | 560.2 | 606.8 | 671.7 |
| 30° | 617.1 | 606.6 | 592.2 | 577.9 | 563.9 | 550.0 | 542.5 | 535.0 | 532.0 | 577.3 | 651.4 |
| 32.5° | 563.3 | 557.4 | 546.8 | 536.1 | 527.0 | 518.0 | 514.8 | 511.6 | 511.6 | 553.3 | 633.8 |
| 35° | 521.0 | 516.5 | 507.8 | 499.2 | 493.2 | 487.3 | 489.9 | 492.6 | 499.4 | 531.7 | 613.7 |
| 37.5° | 484.2 | 477.9 | 470.6 | 463.2 | 460.5 | 457.6 | 464.9 | 472.0 | 485.0 | 510.5 | 591.3 |
| 40° | 450.1 | 442.2 | 435.2 | 428.1 | 428.5 | 428.7 | 439.3 | 449.9 | 466.3 | 486.4 | 564.7 |
| 42.5° | 418.1 | 409.7 | 402.7 | 395.8 | 397.2 | 398.6 | 412.1 | 425.6 | 445.8 | 459.9 | 533.0 |
| 45° | 390.1 | 381.0 | 374.8 | 368.8 | 371.0 | 373.2 | 386.9 | 400.9 | 421.0 | 433.7 | 500.7 |
| 47.5° | 369.3 | 359.1 | 352.7 | 346.4 | 347.8 | 349.1 | 361.1 | 372.9 | 391.7 | 406.4 | 468.7 |
| 50° | 350.5 | 342.5 | 335.7 | 328.7 | 327.0 | 325.4 | 335.2 | 344.9 | 363.5 | 383.6 | 440.2 |
| 52.5° | 338.6 | 330.4 | 324.0 | 317.7 | 312.6 | 307.4 | 314.8 | 322.1 | 342.0 | 367.7 | 414.6 |
| 55° | 329.3 | 321.5 | 313.9 | 306.3 | 299.0 | 291.7 | 299.9 | 308.0 | 331.5 | 357.1 | 393.1 |
| 57.5° | 316.0 | 308.3 | 300.0 | 291.7 | 284.4 | 277.1 | 288.5 | 300.0 | 328.7 | 350.2 | 375.0 |
| 60° | 299.2 | 291.1 | 282.7 | 274.2 | 269.5 | 264.6 | 279.0 | 293.3 | 322.1 | 339.0 | 356.3 |
| 62.5° | 274.6 | 267.9 | 258.4 | 248.8 | 248.4 | 247.7 | 266.5 | 285.3 | 312.7 | 319.9 | 329.5 |
| 65° | *248.8* | *243.6* | *234.5* | *225.4* | *227.6* | *229.8* | *249.9* | *270.1* | *292.8* | *294.8* | *296.8* |
| 67.5° | 223.3 | 219.0 | 210.6 | 202.2 | 206.7 | 211.3 | 229.2 | 246.9 | 262.4 | 259.4 | 253.6 |
| 70° | 200.6 | 196.9 | 190.0 | 183.2 | 186.1 | 188.9 | 199.5 | 210.1 | 217.7 | 218.5 | 209.8 |
| 72.5° | 176.9 | 173.7 | 168.5 | 163.3 | 165.3 | 167.4 | 169.7 | 172.1 | 167.4 | 176.2 | 169.6 |
| 75° | 148.3 | 145.8 | 141.9 | 137.9 | 139.3 | 140.9 | 142.1 | 143.4 | 140.3 | 136.8 | 128.8 |
| 77.5° | 117.0 | 114.7 | 111.0 | 107.4 | 109.2 | 110.7 | 113.7 | 116.6 | 116.0 | 105.8 | 97.2 |
| 80° | 84.9 | 84.0 | 81.3 | 78.7 | 80.0 | 81.2 | 84.9 | 88.4 | 88.9 | 74.6 | 65.6 |
| 82.5° | 49.7 | 50.8 | 51.4 | 51.9 | 52.8 | 53.6 | 53.6 | 53.6 | 51.4 | 43.3 | 38.9 |
| 85° | 20.9 | 21.2 | 23.0 | 24.5 | 25.9 | 27.1 | 27.0 | 26.7 | 25.4 | 21.0 | 18.1 |
| 87.5° | 10.9 | 11.3 | 10.8 | 10.2 | 9.7 | 9.1 | 8.4 | 7.7 | 6.6 | 6.1 | 5.5 |
| 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
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Scaled Data Report

REPORT NUMBER: P1365104
CATALOG NUMBER: GSS-SB1B-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 | 720.4 |
| 2.5° | 738.6 | 745.1 | 751.5 | 758.0 | 764.4 | 771.3 | 778.4 |
| 5° | 755.2 | 767.9 | 780.6 | 793.5 | 806.6 | 818.9 | 831.4 |
| 7.5° | 768.1 | 785.8 | 803.5 | 823.3 | 843.0 | 864.0 | 885.0 |
| 10° | 775.6 | 797.5 | 819.3 | 843.9 | 868.4 | 893.6 | 918.7 |
| 12.5° | 782.0 | 806.5 | 830.9 | 858.4 | 885.9 | 910.9 | 935.8 |
| 15° | 785.0 | 811.4 | 837.7 | 865.7 | 893.6 | 918.8 | 944.1 |
| 17.5° | 779.5 | 809.4 | 839.5 | 869.3 | 899.2 | 922.7 | 946.3 |
| 20° | 771.2 | 806.5 | 841.7 | 873.7 | 905.8 | 929.7 | 953.5 |
| 22.5° | 761.0 | 804.1 | 847.2 | 882.4 | 917.6 | 939.4 | 961.3 |
| 25° | 749.1 | 803.9 | 858.7 | 897.2 | 935.6 | 954.5 | 973.4 |
| 27.5° | 736.4 | 806.0 | 875.6 | 918.8 | 962.1 | 976.6 | 991.1 |
| 30° | 725.7 | 810.5 | 895.5 | 944.5 | 993.3 | 1004.6 | 1015.9 |
| 32.5° | 714.3 | 815.6 | 917.1 | 974.6 | 1032.2 | 1039.3 | 1046.3 |
| 35° | 695.5 | 814.4 | 933.4 | 1006.7 | 1080.0 | 1088.9 | 1097.7 |
| 37.5° | 672.3 | 811.0 | 949.7 | 1045.8 | 1141.9 | 1152.4 | 1162.9 |
| 40° | 643.0 | 803.3 | 963.5 | 1090.5 | 1217.6 | 1238.4 | 1259.0 |
| 42.5° | 606.0 | 789.9 | 973.6 | 1140.0 | 1306.2 | 1350.1 | 1393.8 |
| 45° | 567.9 | 780.7 | 993.5 | 1207.2 | 1420.9 | 1491.0 | 1561.2 |
| 47.5° | 531.2 | 770.0 | 1008.8 | 1276.3 | 1543.8 | 1632.6 | 1721.4 |
| 50° | 496.6 | 751.8 | 1006.8 | 1336.5 | 1666.2 | 1786.6 | 1907.0 |
| 52.5° | 461.6 | 714.4 | 967.3 | 1365.0 | 1762.5 | 1953.9 | 2145.1 |
| 55° | 428.9 | 664.9 | 900.7 | 1357.5 | 1814.2 | 2121.9 | 2429.7 |
| 57.5° | 399.7 | 613.1 | 826.5 | 1316.5 | 1806.5 | 2263.0 | 2719.7 |
| 60° | 373.7 | 547.6 | 721.5 | 1218.3 | 1715.0 | 2326.2 | 2937.3 |
| 62.5° | 339.2 | 464.5 | 589.8 | 1057.3 | 1524.7 | 2186.0 | 2847.3 |
| 65° | *298.9* | *365.1* | *431.1* | *829.3* | *1227.5* | *1885.5* | *2543.5* |
| 67.5° | 247.7 | 279.1 | 310.5 | 645.4 | 980.3 | 1619.3 | 2258.4 |
| 70° | 201.1 | 212.1 | 223.2 | 494.5 | 765.9 | 1375.7 | 1985.5 |
| 72.5° | 163.0 | 163.1 | 163.3 | 371.8 | 580.3 | 1142.3 | 1704.3 |
| 75° | 121.0 | 121.6 | 122.4 | 275.6 | 428.7 | 912.1 | 1395.5 |
| 77.5° | 88.6 | 88.2 | 87.5 | 178.1 | 268.7 | 598.4 | 928.1 |
| 80° | 56.6 | 56.1 | 55.5 | 98.4 | 141.4 | 343.1 | 544.7 |
| 82.5° | 34.5 | 34.4 | 34.3 | 52.9 | 71.6 | 171.9 | 272.4 |
| 85° | 15.2 | 14.5 | 13.8 | 16.8 | 19.9 | 40.9 | 61.9 |
| 87.5° | 5.0 | 4.6 | 4.4 | 4.5 | 4.6 | 4.9 | 5.0 |
| 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

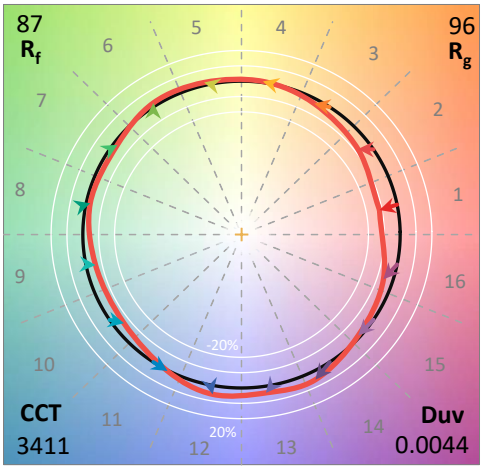
## Test Information

| | |
|---|---|
| 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

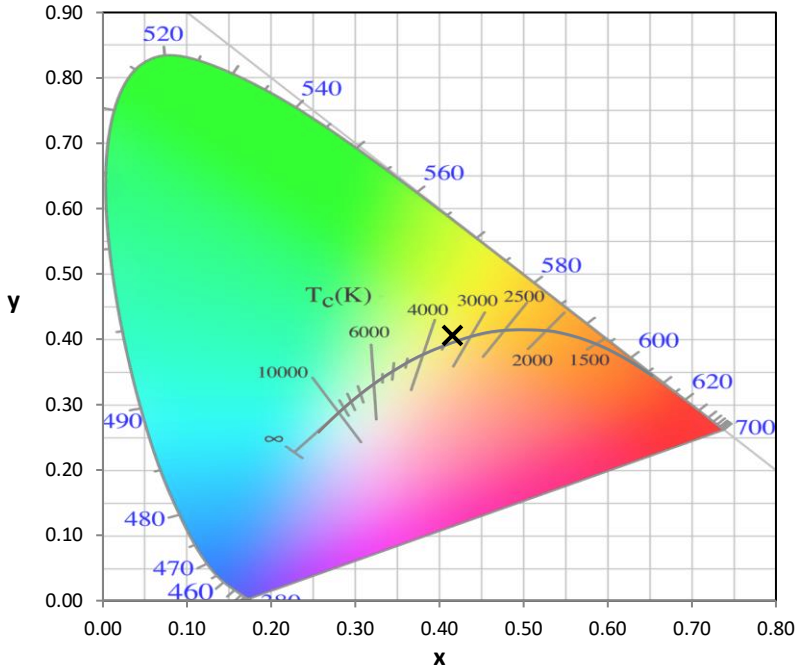
| | |
|---|---|
| Stabilization Time: | 35M |
| Operation Time: | 1H 35M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-10

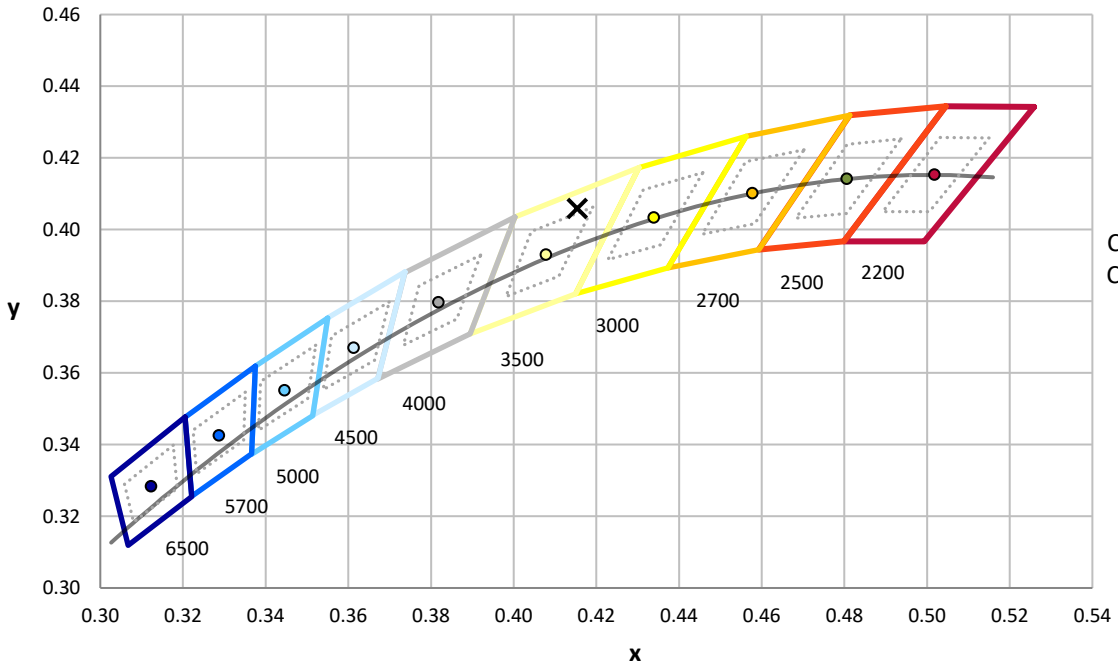
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

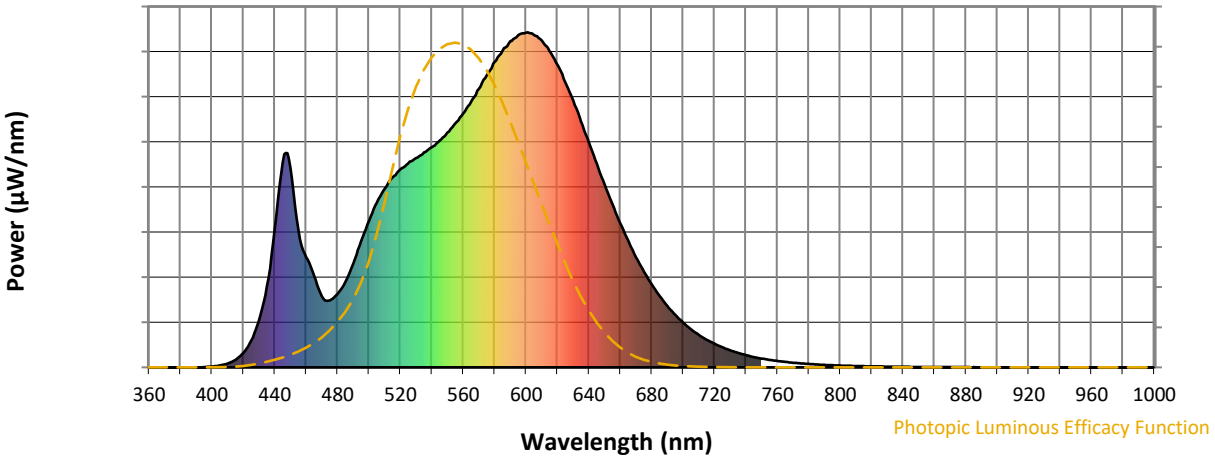



CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

## Photopic Flux vs. Wavelength

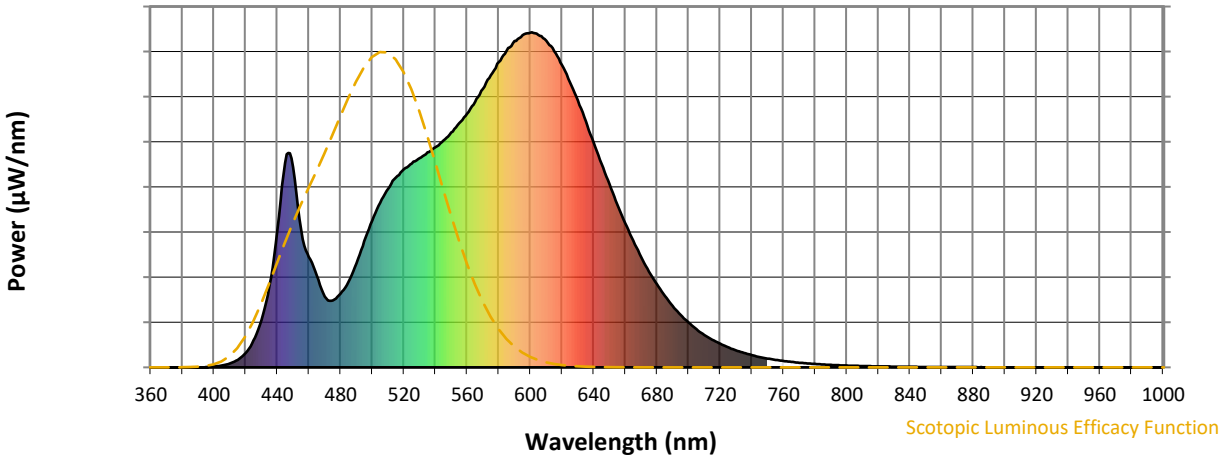



## Photopic Lumens: NR

| 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

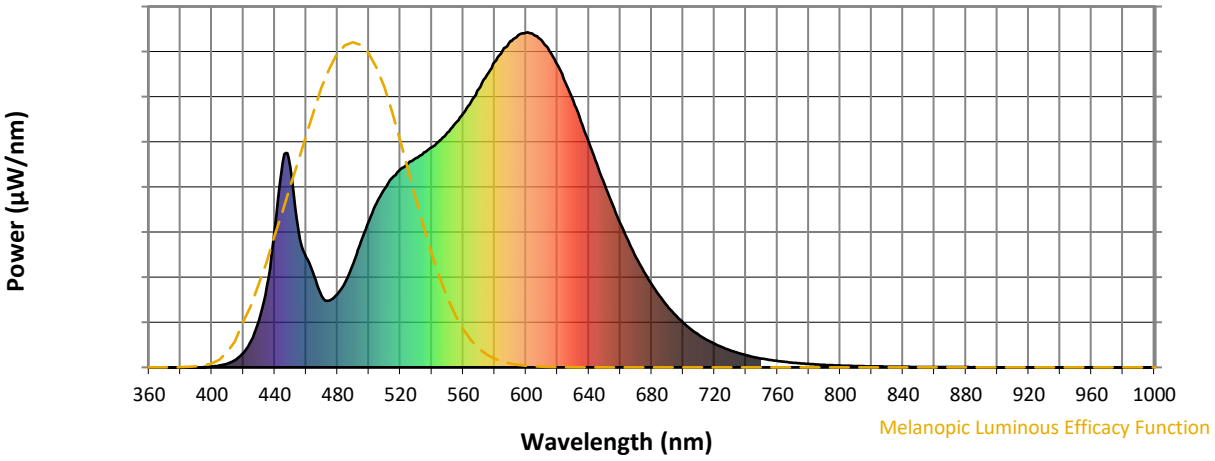



**Scotopic Lumens: NR** **S/P: 1.48**

| 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 | | | |

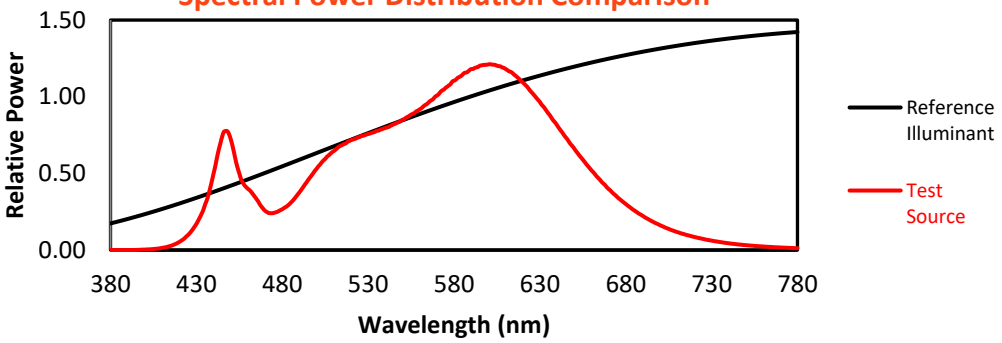
REPORT NUMBER: SP1-2407-184-10

# TM-30-18

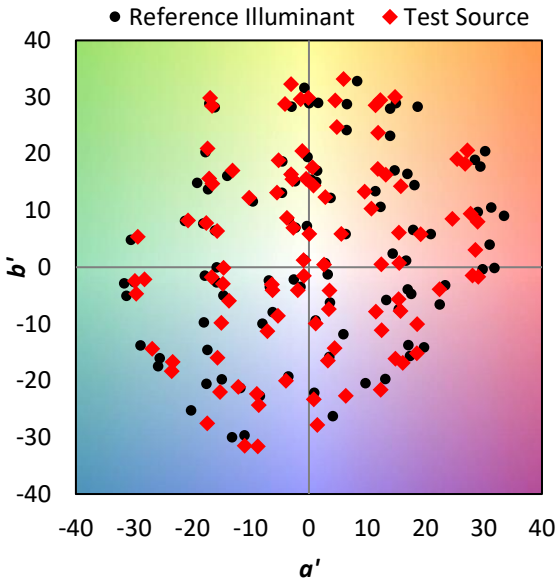
## Summary

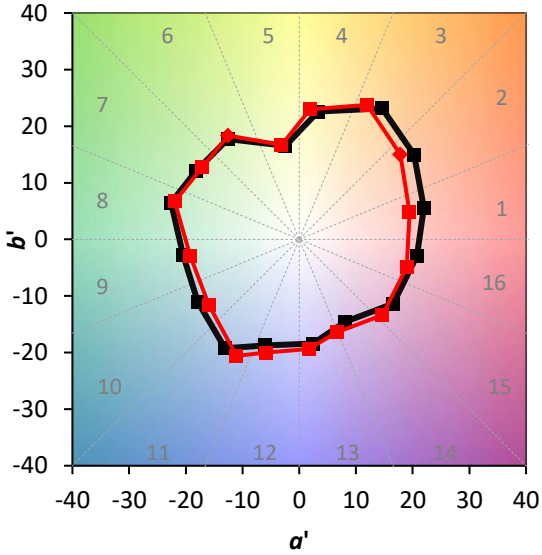
$R_f$ = 86.6
$R_g$ = 95.9
CIE $R_a$ = 83.5
$R_9$ = 6.3

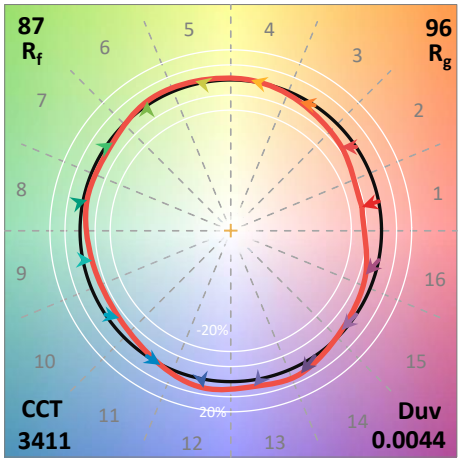
## Spectral Power Distribution Comparison

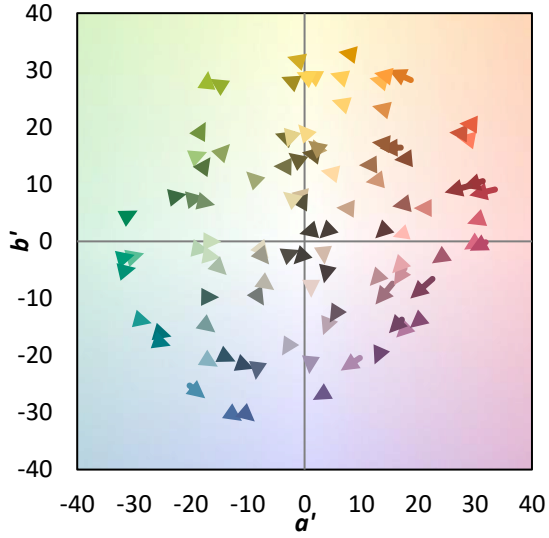



## Color Vector Graphics



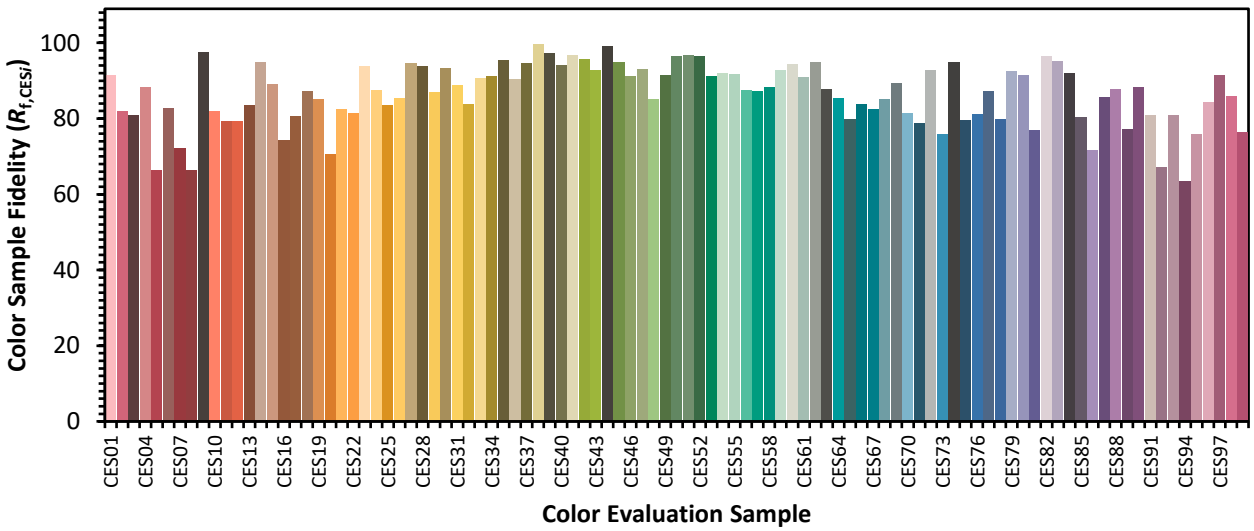



REPORT NUMBER: SP1-2407-184-10

# TM-30-18

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

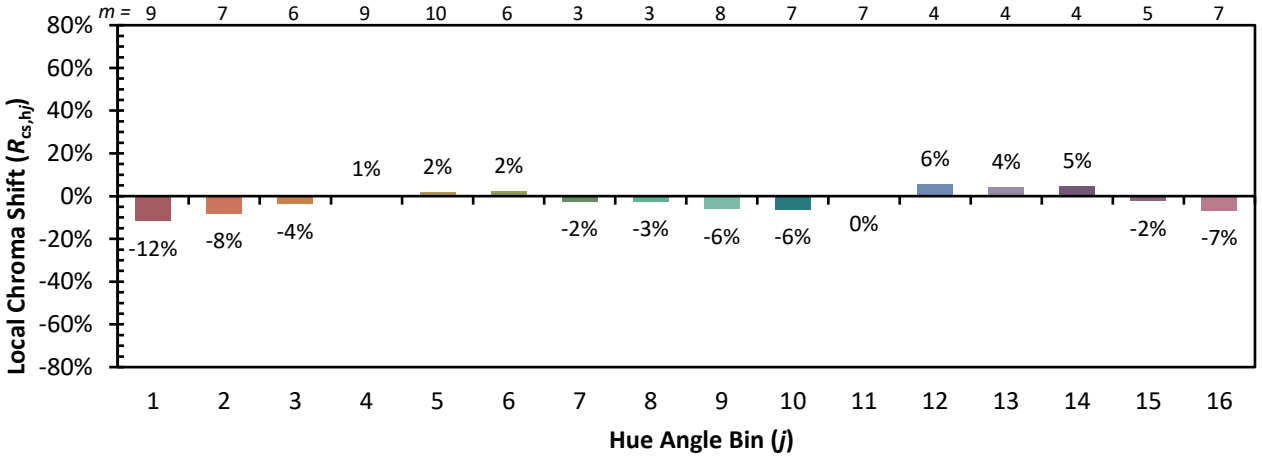
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 85 | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95 | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94 | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87 | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93 | CES55 = 92 | CES80 = 91 |
| CES06 = 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 | |

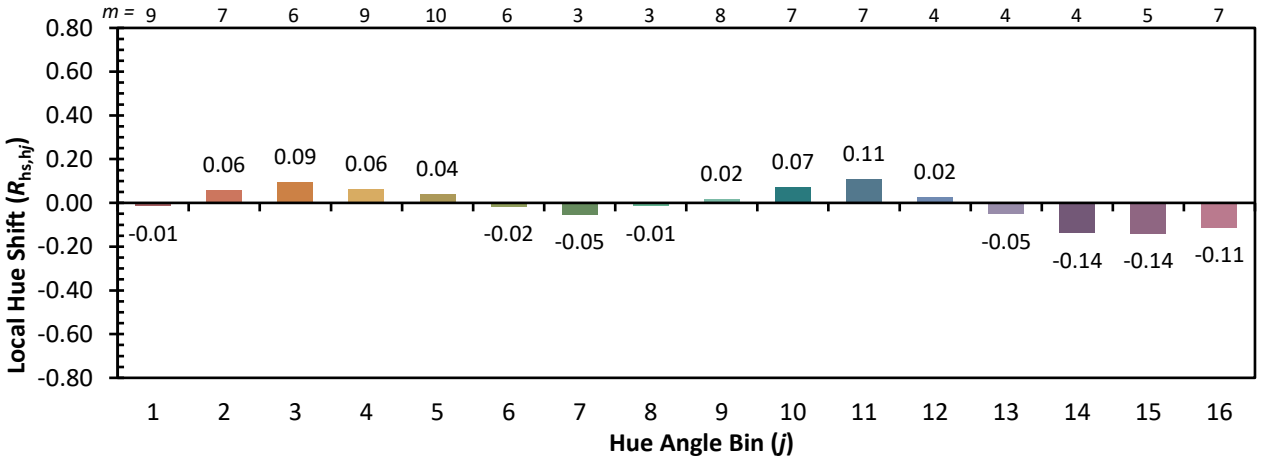


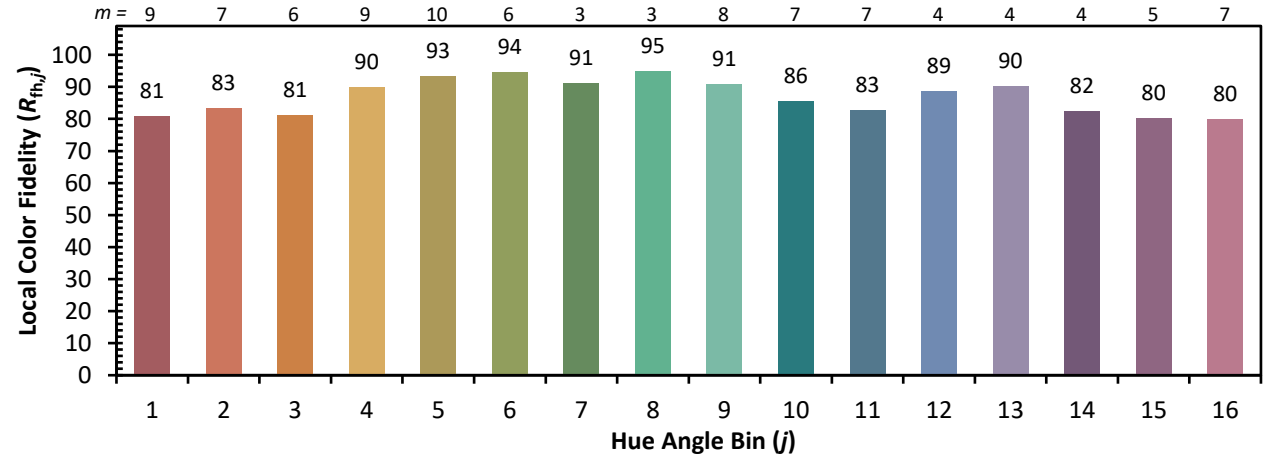
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## Color Rendition by Hue-Angle Bin



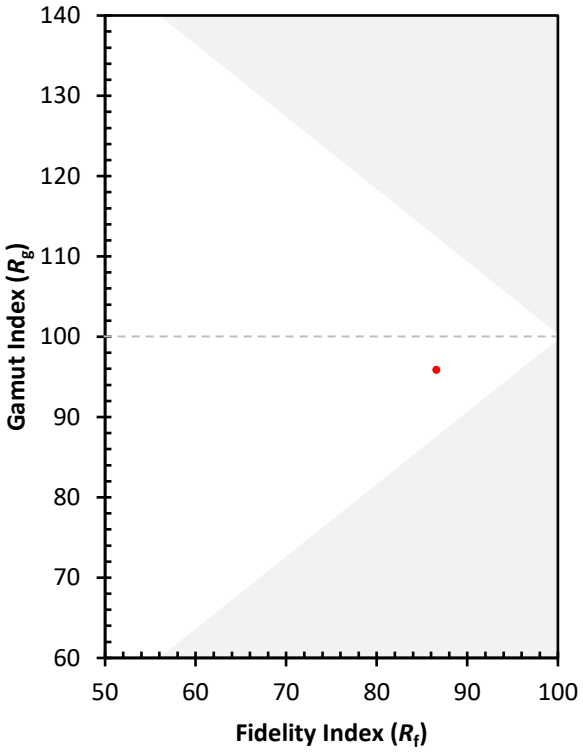



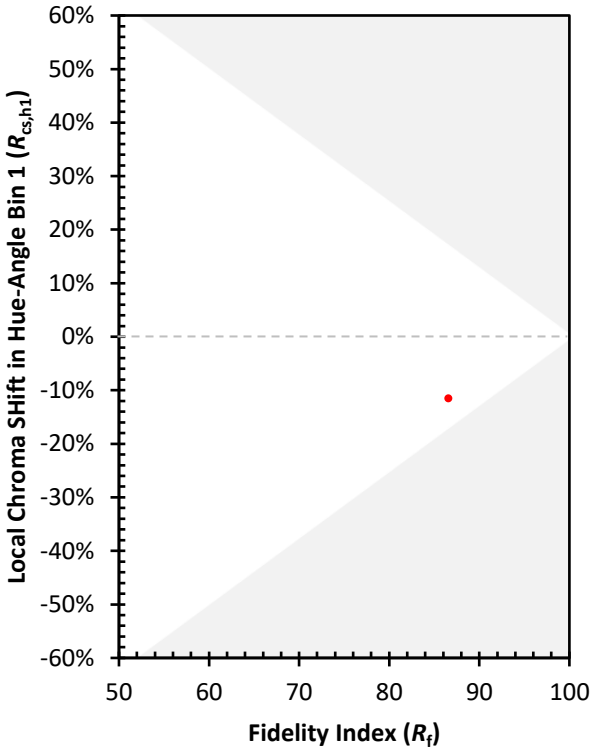



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## Measure Comparisons




(END OF REPORT)