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: P1365081

Luminaire Tested: **GSS-SB1C-830-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: | P1365081 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1C-830-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 3000K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (26) 3000K 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: | 5767.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 110.9 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

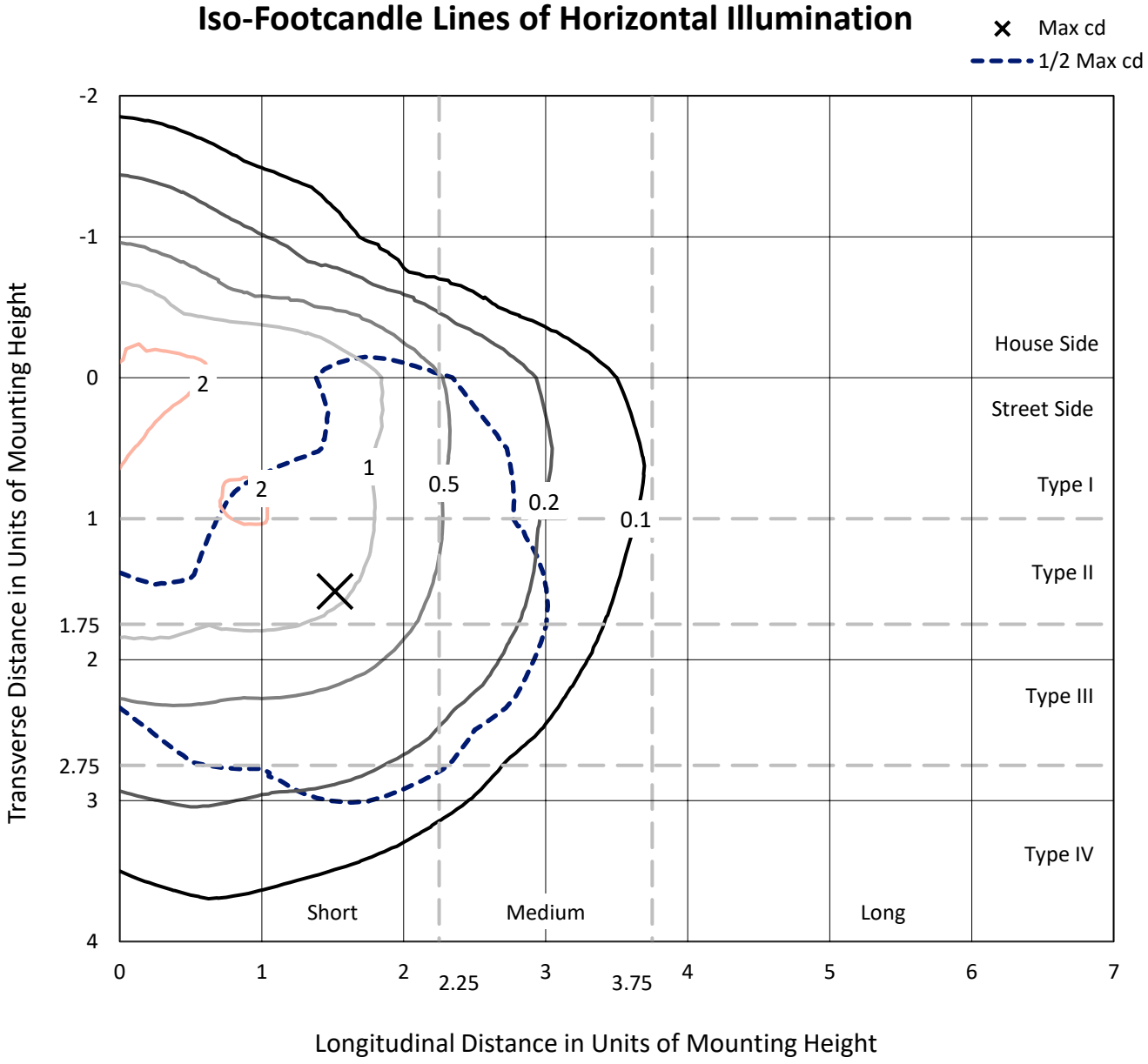
| | |
|---|---|
| Input Watts (W): | 52 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



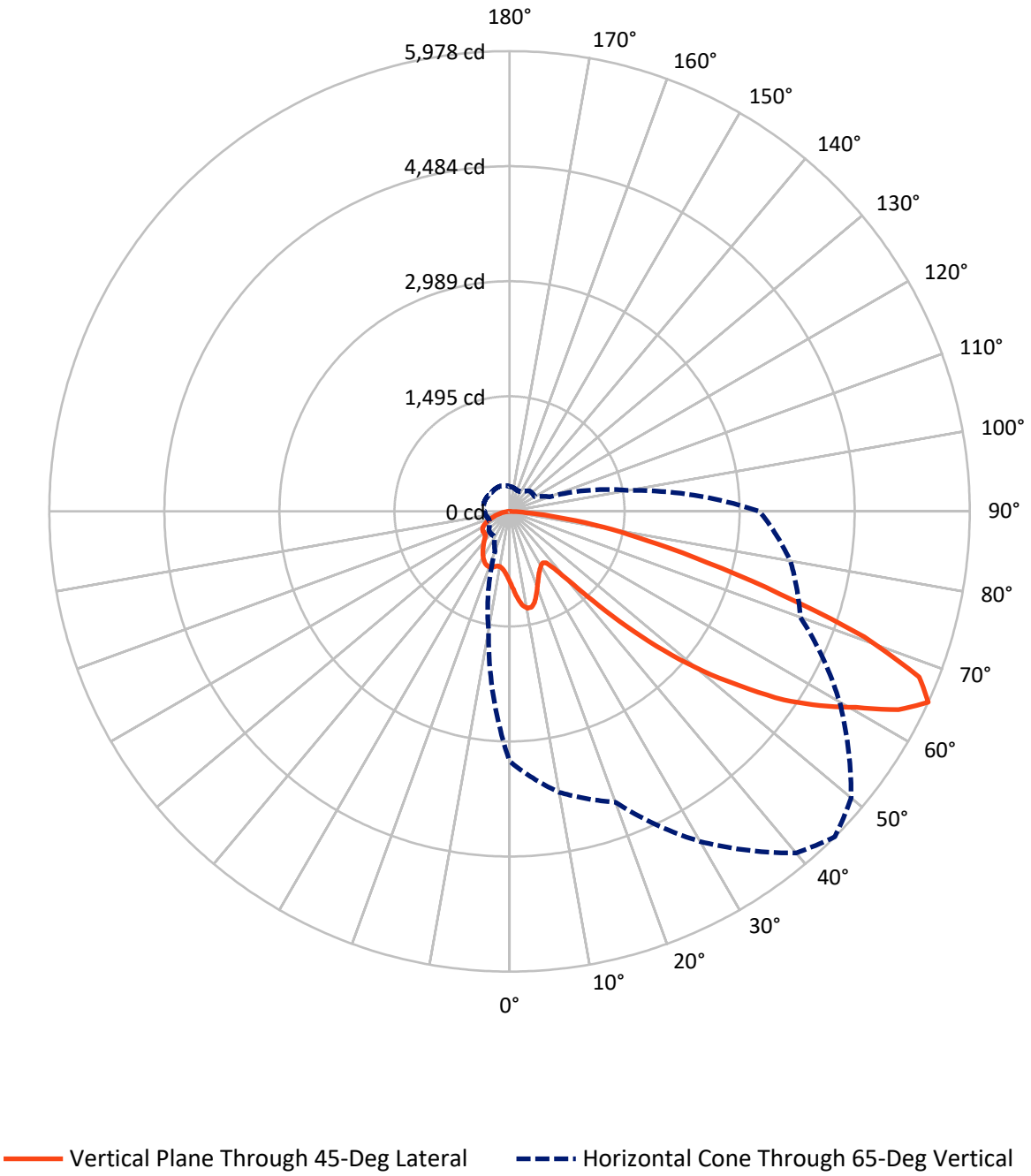

Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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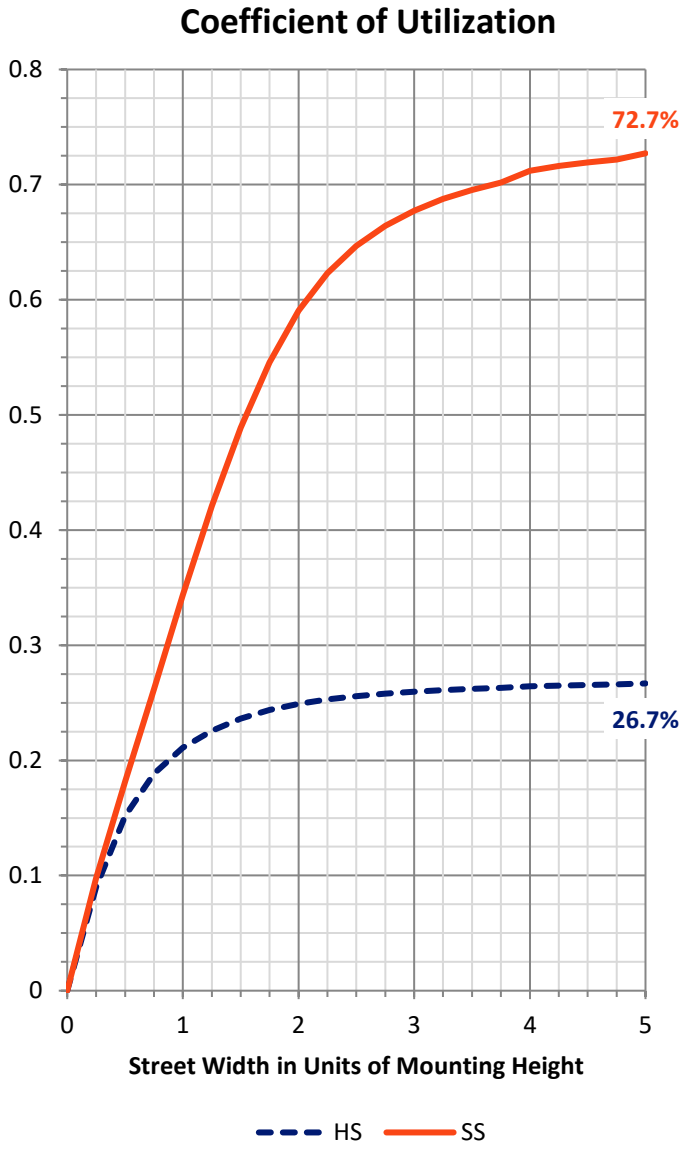
REPORT NUMBER: P1365081
CATALOG NUMBER: GSS-SB1C-830-U-SLL

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1551.7 | 0.0 | 1551.7 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 4216.2 | 0.0 | 4216.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 5767.9 | 0.0 | 5767.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 90.8 | 1.6 |
| 10°-20° | 278.3 | 4.8 |
| 20°-30° | 430.7 | 7.5 |
| 30°-40° | 534.4 | 9.3 |
| 40°-50° | 781.4 | 13.5 |
| 50°-60° | 1224.0 | 21.2 |
| 60°-70° | 1452.4 | 25.2 |
| 70°-80° | 847.1 | 14.7 |
| 80°-90° | 128.9 | 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° | 5767.9 | 100.0 |
| 0°-180° | 5767.9 | 100.0 |



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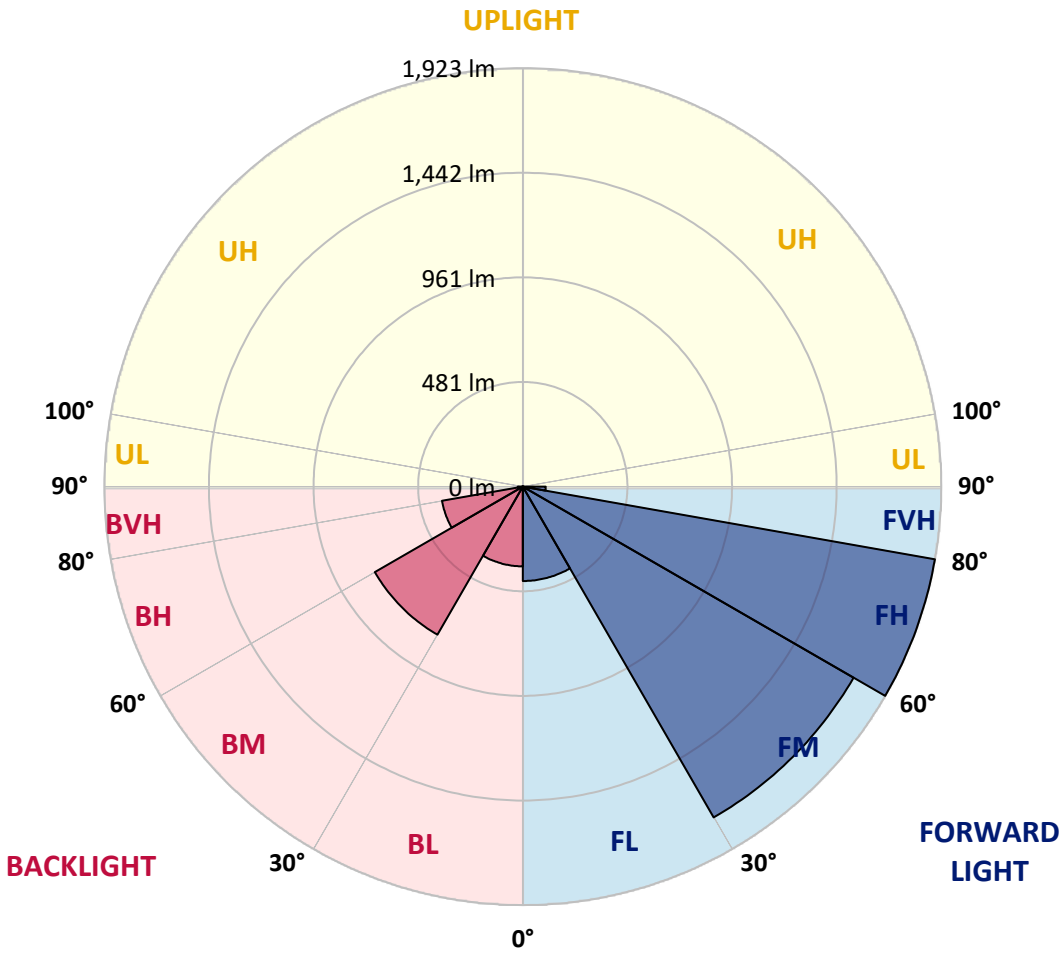
Scaled Data Report

REPORT NUMBER: P1365081
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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°) | 433.5 | 7.5 | | | |
| FM | (30°-60°) | 1754.7 | 30.4 | | | |
| FH | (60°-80°) | 1922.6 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 105.4 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 366.3 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 785.1 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 376.8 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 23.5 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | *919.7* | 919.7 |
| 2.5° | 993.8 | 997.3 | 1000.8 | 1004.6 | 1008.6 | 1010.8 | 1013.1 | 1015.5 | 1017.7 | *1019.9* | 1017.7 |
| 5° | 1061.5 | 1077.4 | 1093.2 | 1103.9 | 1114.6 | 1122.8 | 1131.0 | 1135.7 | 1140.5 | *1141.2* | 1140.5 |
| 7.5° | 1129.9 | 1148.8 | 1167.7 | 1184.0 | 1200.4 | 1210.8 | 1221.3 | 1227.4 | 1233.6 | *1235.7* | 1233.6 |
| 10° | 1172.9 | 1195.0 | 1217.3 | 1233.1 | 1249.1 | 1258.8 | 1268.4 | 1273.2 | 1278.0 | *1279.4* | 1278.0 |
| 12.5° | 1194.8 | 1216.1 | 1237.4 | 1249.6 | 1261.8 | 1268.0 | 1274.0 | 1276.3 | 1278.3 | *1276.6* | 1278.3 |
| 15° | 1205.3 | 1217.9 | 1230.3 | 1235.5 | 1240.6 | 1237.6 | 1234.5 | 1230.2 | 1225.8 | *1223.0* | 1225.8 |
| 17.5° | 1208.2 | 1212.5 | 1217.1 | 1207.6 | 1198.3 | 1181.4 | 1164.4 | 1151.7 | 1139.0 | *1129.9* | 1139.0 |
| 20° | 1217.3 | 1210.3 | 1203.2 | 1178.1 | 1153.2 | 1121.4 | 1089.7 | 1068.4 | 1046.9 | *1034.0* | 1046.9 |
| 22.5° | 1227.2 | 1207.3 | 1187.4 | 1145.3 | 1103.1 | 1059.6 | 1016.3 | 991.8 | 967.4 | *953.6* | 967.4 |
| 25° | 1242.7 | 1208.6 | 1174.3 | 1117.3 | 1060.5 | 1009.4 | 958.5 | 931.8 | 905.3 | *890.1* | 905.3 |
| 27.5° | 1265.3 | 1213.1 | 1160.9 | 1090.4 | 1019.9 | 964.6 | 909.1 | 883.7 | 858.3 | *844.9* | 858.3 |
| 30° | 1297.0 | 1227.8 | 1158.4 | 1074.0 | 989.5 | 931.7 | 873.9 | 849.0 | 824.1 | *809.7* | 824.1 |
| 32.5° | 1335.8 | 1248.4 | 1160.9 | 1066.4 | 971.9 | 912.9 | 854.1 | 830.3 | 806.6 | *794.2* | 806.6 |
| 35° | 1401.4 | 1290.7 | 1180.0 | 1075.1 | 970.5 | 915.8 | 861.2 | 843.7 | 826.3 | *819.6* | 826.3 |
| 37.5° | 1484.6 | 1355.3 | 1225.8 | 1117.9 | 1010.0 | 972.7 | 935.5 | 935.5 | 935.5 | *940.9* | 935.5 |
| 40° | 1607.4 | 1462.1 | 1316.8 | 1214.7 | 1112.7 | 1110.4 | 1108.4 | 1132.1 | 1156.0 | *1166.6* | 1156.0 |
| 42.5° | 1779.5 | 1625.8 | 1472.4 | 1390.0 | 1307.6 | 1357.0 | 1406.4 | 1474.9 | 1543.5 | *1588.3* | 1543.5 |
| 45° | 1993.2 | 1843.6 | 1694.1 | 1636.6 | 1579.2 | 1689.0 | 1798.8 | 1919.9 | 2041.1 | *2127.2* | 2041.1 |
| 47.5° | 2197.7 | 2071.9 | 1945.9 | 1913.0 | 1880.3 | 2063.0 | 2245.7 | 2423.2 | 2600.8 | *2705.5* | 2600.8 |
| 50° | 2434.7 | 2321.5 | 2208.3 | 2201.9 | 2195.6 | 2438.9 | 2682.2 | 2911.5 | 3140.7 | *3268.3* | 3140.7 |
| 52.5° | 2738.7 | 2614.4 | 2490.0 | 2495.0 | 2499.8 | 2788.9 | 3077.9 | 3355.1 | 3632.3 | *3776.1* | 3632.3 |
| 55° | 3101.9 | 2946.0 | 2790.1 | 2789.3 | 2788.4 | 3120.5 | 3452.8 | 3793.3 | 4134.1 | *4326.3* | 4134.1 |
| 57.5° | 3472.2 | 3326.2 | 3180.2 | 3145.5 | 3110.6 | 3457.9 | 3805.1 | 4181.1 | 4557.3 | *4759.3* | 4557.3 |
| 60° | 3750.0 | 3669.6 | 3589.2 | 3533.7 | 3478.2 | 3834.8 | 4191.6 | 4580.0 | 4968.4 | *5169.8* | 4968.4 |
| 62.5° | 3635.1 | 3778.8 | 3922.6 | 3918.5 | 3914.4 | 4299.3 | 4684.3 | 5088.3 | 5492.5 | *5673.4* | 5492.5 |
| 65° | *3247.2* | *3476.4* | *3705.6* | *3863.3* | *4020.9* | *4486.2* | *4951.4* | *5372.4* | *5793.3* | *5978.1* | *5793.3* |
| 67.5° | 2883.2 | 3085.2 | 3287.4 | 3416.4 | 3545.5 | 4069.8 | 4594.3 | 5071.9 | 5549.5 | *5739.7* | 5549.5 |
| 70° | 2534.8 | 2758.5 | 2982.3 | 3074.5 | 3166.8 | 3612.2 | 4057.6 | 4435.4 | 4813.2 | *4887.7* | 4813.2 |
| 72.5° | 2175.8 | 2441.9 | 2708.0 | 2747.1 | 2786.2 | 3110.3 | 3434.5 | 3635.8 | 3837.1 | *3674.6* | 3837.1 |
| 75° | 1781.6 | 2081.7 | 2381.8 | 2407.9 | 2434.0 | 2535.0 | 2636.1 | 2687.3 | 2738.7 | *2646.3* | 2738.7 |
| 77.5° | 1184.9 | 1444.7 | 1704.7 | 1763.2 | 1821.8 | 1889.1 | 1956.5 | 1953.0 | 1949.4 | *1819.7* | 1949.4 |
| 80° | 695.4 | 898.7 | 1102.0 | 1109.6 | 1117.2 | 1167.7 | 1218.0 | 1269.5 | 1321.0 | *1238.5* | 1321.0 |
| 82.5° | 347.7 | 459.3 | 571.0 | 588.2 | 605.4 | 636.3 | 667.2 | 681.6 | 696.1 | *626.3* | 696.1 |
| 85° | 79.0 | 108.1 | 137.1 | 165.2 | 193.3 | 225.7 | 258.1 | 254.5 | 250.8 | *211.6* | 250.8 |
| 87.5° | 6.3 | 6.5 | 6.8 | 6.9 | 7.1 | 7.2 | 7.3 | 7.8 | 8.2 | *8.5* | 8.2 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 1015.5 | 1013.1 | 1010.8 | 1008.6 | 1004.6 | 1000.8 | 997.3 | 993.8 | 984.7 | 975.8 | 967.7 |
| 5° | 1135.7 | 1131.0 | 1122.8 | 1114.6 | 1103.9 | 1093.2 | 1077.4 | 1061.5 | 1045.5 | 1029.7 | 1013.1 |
| 7.5° | 1227.4 | 1221.3 | 1210.8 | 1200.4 | 1184.0 | 1167.7 | 1148.8 | 1129.9 | 1103.1 | 1076.3 | 1051.0 |
| 10° | 1273.2 | 1268.4 | 1258.8 | 1249.1 | 1233.1 | 1217.3 | 1195.0 | 1172.9 | 1140.9 | 1108.7 | 1077.4 |
| 12.5° | 1276.3 | 1274.0 | 1268.0 | 1261.8 | 1249.6 | 1237.4 | 1216.1 | 1194.8 | 1162.9 | 1131.0 | 1095.9 |
| 15° | 1230.2 | 1234.5 | 1237.6 | 1240.6 | 1235.5 | 1230.3 | 1217.9 | 1205.3 | 1173.0 | 1140.9 | 1105.2 |
| 17.5° | 1151.7 | 1164.4 | 1181.4 | 1198.3 | 1207.6 | 1217.1 | 1212.5 | 1208.2 | 1178.0 | 1147.9 | 1109.8 |
| 20° | 1068.4 | 1089.7 | 1121.4 | 1153.2 | 1178.1 | 1203.2 | 1210.3 | 1217.3 | 1186.9 | 1156.4 | 1115.5 |
| 22.5° | 991.8 | 1016.3 | 1059.6 | 1103.1 | 1145.3 | 1187.4 | 1207.3 | 1227.2 | 1199.3 | 1171.5 | 1126.5 |
| 25° | 931.8 | 958.5 | 1009.4 | 1060.5 | 1117.3 | 1174.3 | 1208.6 | 1242.7 | 1218.6 | 1194.5 | 1145.4 |
| 27.5° | 883.7 | 909.1 | 964.6 | 1019.9 | 1090.4 | 1160.9 | 1213.1 | 1265.3 | 1246.8 | 1228.3 | 1173.0 |
| 30° | 849.0 | 873.9 | 931.7 | 989.5 | 1074.0 | 1158.4 | 1227.8 | 1297.0 | 1282.5 | 1268.1 | 1205.8 |
| 32.5° | 830.3 | 854.1 | 912.9 | 971.9 | 1066.4 | 1160.9 | 1248.4 | 1335.8 | 1326.8 | 1317.8 | 1244.3 |
| 35° | 843.7 | 861.2 | 915.8 | 970.5 | 1075.1 | 1180.0 | 1290.7 | 1401.4 | 1390.1 | 1378.8 | 1285.2 |
| 37.5° | 935.5 | 935.5 | 972.7 | 1010.0 | 1117.9 | 1225.8 | 1355.3 | 1484.6 | 1471.2 | 1457.8 | 1335.1 |
| 40° | 1132.1 | 1108.4 | 1110.4 | 1112.7 | 1214.7 | 1316.8 | 1462.1 | 1607.4 | 1581.0 | 1554.5 | 1392.2 |
| 42.5° | 1474.9 | 1406.4 | 1357.0 | 1307.6 | 1390.0 | 1472.4 | 1625.8 | 1779.5 | 1723.6 | 1667.6 | 1455.4 |
| 45° | 1919.9 | 1798.8 | 1689.0 | 1579.2 | 1636.6 | 1694.1 | 1843.6 | 1993.2 | 1903.6 | 1814.0 | 1541.2 |
| 47.5° | 2423.2 | 2245.7 | 2063.0 | 1880.3 | 1913.0 | 1945.9 | 2071.9 | 2197.7 | 2084.3 | 1970.9 | 1629.4 |
| 50° | 2911.5 | 2682.2 | 2438.9 | 2195.6 | 2201.9 | 2208.3 | 2321.5 | 2434.7 | 2280.9 | 2127.2 | 1706.2 |
| 52.5° | 3355.1 | 3077.9 | 2788.9 | 2499.8 | 2495.0 | 2490.0 | 2614.4 | 2738.7 | 2494.5 | 2250.2 | 1742.6 |
| 55° | 3793.3 | 3452.8 | 3120.5 | 2788.4 | 2789.3 | 2790.1 | 2946.0 | 3101.9 | 2709.0 | 2316.2 | 1733.0 |
| 57.5° | 4181.1 | 3805.1 | 3457.9 | 3110.6 | 3145.5 | 3180.2 | 3326.2 | 3472.2 | 2889.2 | 2306.3 | 1680.7 |
| 60° | 4580.0 | 4191.6 | 3834.8 | 3478.2 | 3533.7 | 3589.2 | 3669.6 | 3750.0 | 2969.8 | 2189.5 | 1555.3 |
| 62.5° | 5088.3 | 4684.3 | 4299.3 | 3914.4 | 3918.5 | 3922.6 | 3778.8 | 3635.1 | 2790.8 | 1946.6 | 1349.8 |
| 65° | *5372.4* | *4951.4* | *4486.2* | *4020.9* | *3863.3* | *3705.6* | *3476.4* | *3247.2* | *2407.2* | *1567.2* | *1058.8* |
| 67.5° | 5071.9 | 4594.3 | 4069.8 | 3545.5 | 3416.4 | 3287.4 | 3085.2 | 2883.2 | 2067.4 | 1251.5 | 823.9 |
| 70° | 4435.4 | 4057.6 | 3612.2 | 3166.8 | 3074.5 | 2982.3 | 2758.5 | 2534.8 | 1756.3 | 977.8 | 631.4 |
| 72.5° | 3635.8 | 3434.5 | 3110.3 | 2786.2 | 2747.1 | 2708.0 | 2441.9 | 2175.8 | 1458.4 | 740.8 | 474.7 |
| 75° | 2687.3 | 2636.1 | 2535.0 | 2434.0 | 2407.9 | 2381.8 | 2081.7 | 1781.6 | 1164.4 | 547.3 | 351.8 |
| 77.5° | 1953.0 | 1956.5 | 1889.1 | 1821.8 | 1763.2 | 1704.7 | 1444.7 | 1184.9 | 764.0 | 343.1 | 227.4 |
| 80° | 1269.5 | 1218.0 | 1167.7 | 1117.2 | 1109.6 | 1102.0 | 898.7 | 695.4 | 438.0 | 180.6 | 125.7 |
| 82.5° | 681.6 | 667.2 | 636.3 | 605.4 | 588.2 | 571.0 | 459.3 | 347.7 | 219.5 | 91.4 | 67.6 |
| 85° | 254.5 | 258.1 | 225.7 | 193.3 | 165.2 | 137.1 | 108.1 | 79.0 | 52.2 | 25.4 | 21.4 |
| 87.5° | 7.8 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.5 | 6.3 | 6.2 | 5.9 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 959.5 | 951.3 | 943.0 | 935.1 | 927.0 | 919.0 | 911.9 | 904.3 | 896.9 | 890.9 | 885.1 |
| 5° | 996.6 | 980.4 | 964.1 | 948.8 | 933.5 | 917.6 | 903.9 | 890.4 | 877.1 | 866.1 | 855.1 |
| 7.5° | 1025.8 | 1003.2 | 980.6 | 960.5 | 940.2 | 919.0 | 902.5 | 886.0 | 869.6 | 855.4 | 841.0 |
| 10° | 1045.9 | 1018.2 | 990.2 | 967.0 | 943.7 | 921.1 | 903.5 | 886.1 | 868.9 | 854.3 | 839.6 |
| 12.5° | 1060.8 | 1029.6 | 998.4 | 972.7 | 947.2 | 922.5 | 905.3 | 890.9 | 876.7 | 866.4 | 856.2 |
| 15° | 1069.5 | 1035.9 | 1002.2 | 973.3 | 944.4 | 916.9 | 901.6 | 892.3 | 883.0 | 882.2 | 881.3 |
| 17.5° | 1071.8 | 1033.4 | 995.2 | 961.5 | 927.9 | 895.7 | 882.7 | 881.5 | 880.2 | 894.2 | 908.1 |
| 20° | 1074.6 | 1029.6 | 984.6 | 940.3 | 896.0 | 853.4 | 845.2 | 853.3 | 861.2 | 888.5 | 915.8 |
| 22.5° | 1081.6 | 1026.6 | 971.6 | 916.0 | 860.5 | 809.7 | 801.9 | 813.8 | 825.5 | 861.2 | 896.9 |
| 25° | 1096.3 | 1026.3 | 956.4 | 887.1 | 817.9 | 759.6 | 758.9 | 771.7 | 784.6 | 817.6 | 850.6 |
| 27.5° | 1117.9 | 1029.0 | 940.2 | 857.5 | 774.7 | 715.2 | 718.7 | 731.0 | 743.4 | 767.9 | 792.5 |
| 30° | 1143.3 | 1034.8 | 926.5 | 831.7 | 737.0 | 679.2 | 683.0 | 692.6 | 702.2 | 720.0 | 737.7 |
| 32.5° | 1170.8 | 1041.3 | 911.9 | 809.1 | 706.4 | 653.1 | 653.1 | 657.2 | 661.3 | 672.8 | 684.4 |
| 35° | 1191.7 | 1039.7 | 888.0 | 783.4 | 678.8 | 637.6 | 628.8 | 625.5 | 622.1 | 629.7 | 637.3 |
| 37.5° | 1212.4 | 1035.4 | 858.3 | 754.9 | 651.7 | 619.2 | 602.6 | 593.6 | 584.3 | 587.9 | 591.3 |
| 40° | 1230.0 | 1025.5 | 821.0 | 721.0 | 620.9 | 595.3 | 574.4 | 560.8 | 547.3 | 547.0 | 546.6 |
| 42.5° | 1243.0 | 1008.4 | 773.7 | 680.5 | 587.1 | 569.2 | 543.4 | 526.1 | 508.9 | 507.1 | 505.3 |
| 45° | 1268.4 | 996.7 | 725.0 | 639.3 | 553.7 | 537.4 | 511.8 | 494.0 | 476.5 | 473.7 | 470.9 |
| 47.5° | 1287.9 | 983.0 | 678.2 | 598.4 | 518.8 | 500.1 | 476.1 | 461.0 | 445.7 | 444.1 | 442.2 |
| 50° | 1285.3 | 959.8 | 634.1 | 562.0 | 489.8 | 464.1 | 440.4 | 428.0 | 415.4 | 417.5 | 419.6 |
| 52.5° | 1235.0 | 912.1 | 589.3 | 529.3 | 469.4 | 436.6 | 411.2 | 401.9 | 392.4 | 399.1 | 405.5 |
| 55° | 1149.9 | 848.9 | 547.6 | 501.9 | 455.9 | 423.2 | 393.3 | 382.8 | 372.4 | 381.7 | 391.0 |
| 57.5° | 1055.1 | 782.7 | 510.4 | 478.8 | 447.2 | 419.6 | 383.0 | 368.3 | 353.8 | 363.1 | 372.4 |
| 60° | 921.1 | 699.1 | 477.1 | 454.9 | 432.8 | 411.2 | 374.5 | 356.2 | 337.8 | 344.0 | 350.1 |
| 62.5° | 753.0 | 593.0 | 433.1 | 420.6 | 408.4 | 399.2 | 364.2 | 340.2 | 316.3 | 317.1 | 317.7 |
| 65° | *550.4* | *466.1* | *381.6* | *378.9* | *376.3* | *373.8* | *344.9* | *319.1* | *293.4* | *290.6* | *287.8* |
| 67.5° | 396.4 | 356.3 | 316.3 | 323.7 | 331.2 | 335.0 | 315.3 | 292.6 | 269.7 | 263.9 | 258.1 |
| 70° | 284.9 | 270.8 | 256.7 | 267.9 | 279.0 | 277.9 | 268.3 | 254.8 | 241.2 | 237.5 | 233.9 |
| 72.5° | 208.5 | 208.2 | 208.1 | 216.5 | 225.0 | 213.7 | 219.8 | 216.7 | 213.7 | 211.0 | 208.5 |
| 75° | 156.3 | 155.3 | 154.5 | 164.5 | 174.6 | 179.1 | 183.1 | 181.4 | 179.8 | 177.9 | 176.0 |
| 77.5° | 111.7 | 112.6 | 113.1 | 124.1 | 135.1 | 148.1 | 148.8 | 145.1 | 141.3 | 139.4 | 137.1 |
| 80° | 70.8 | 71.7 | 72.2 | 83.8 | 95.2 | 113.6 | 112.8 | 108.3 | 103.7 | 102.1 | 100.4 |
| 82.5° | 43.7 | 43.9 | 44.0 | 49.7 | 55.3 | 65.6 | 68.4 | 68.4 | 68.4 | 67.4 | 66.3 |
| 85° | 17.6 | 18.5 | 19.5 | 23.1 | 26.8 | 32.4 | 34.1 | 34.4 | 34.6 | 33.0 | 31.3 |
| 87.5° | 5.6 | 5.9 | 6.3 | 7.1 | 7.8 | 8.5 | 9.9 | 10.7 | 11.6 | 12.4 | 13.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365081
CATALOG NUMBER: GSS-SB1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 880.1 | 874.8 | 868.8 | 862.6 | 858.2 | 853.7 | 850.7 | 847.8 | 846.4 | 844.9 | 843.8 |
| 5° | 846.1 | 836.8 | 828.6 | 820.3 | 813.8 | 807.1 | 801.8 | 796.3 | 794.0 | 791.6 | 790.1 |
| 7.5° | 828.9 | 816.7 | 806.6 | 796.3 | 786.5 | 777.0 | 770.7 | 764.5 | 760.9 | 757.2 | 754.5 |
| 10° | 826.7 | 813.9 | 800.5 | 787.1 | 776.4 | 765.7 | 756.4 | 747.3 | 742.1 | 737.0 | 734.2 |
| 12.5° | 844.4 | 832.5 | 816.6 | 800.5 | 786.0 | 771.6 | 760.2 | 748.7 | 742.3 | 736.0 | 731.8 |
| 15° | 877.2 | 873.2 | 858.3 | 843.5 | 823.5 | 803.3 | 787.0 | 770.5 | 761.4 | 752.1 | 746.9 |
| 17.5° | 916.2 | 924.2 | 913.9 | 903.5 | 875.3 | 847.1 | 822.7 | 798.4 | 785.1 | 771.9 | 767.2 |
| 20° | 937.5 | 959.2 | 958.1 | 957.1 | 920.3 | 883.3 | 851.3 | 819.3 | 801.5 | 784.0 | 777.0 |
| 22.5° | 928.2 | 959.5 | 967.5 | 975.4 | 939.3 | 903.1 | 863.6 | 824.1 | 803.2 | 782.2 | 775.5 |
| 25° | 884.3 | 918.0 | 933.0 | 947.9 | 918.2 | 888.4 | 850.0 | 811.8 | 789.8 | 767.6 | 760.9 |
| 27.5° | 819.6 | 846.6 | 863.4 | 880.2 | 862.0 | 843.8 | 812.8 | 781.7 | 762.3 | 742.7 | 735.5 |
| 30° | 756.1 | 774.4 | 787.8 | 801.2 | 789.2 | 777.2 | 754.9 | 732.8 | 718.3 | 703.9 | 699.4 |
| 32.5° | 698.1 | 711.6 | 719.1 | 726.5 | 717.1 | 707.8 | 693.2 | 678.5 | 669.5 | 660.4 | 657.5 |
| 35° | 648.3 | 659.4 | 665.1 | 670.7 | 663.0 | 655.2 | 642.1 | 629.1 | 622.6 | 616.1 | 613.7 |
| 37.5° | 600.8 | 610.1 | 618.1 | 626.3 | 620.7 | 615.0 | 603.9 | 592.7 | 585.1 | 577.2 | 573.0 |
| 40° | 555.6 | 564.5 | 574.7 | 584.7 | 583.7 | 582.6 | 572.0 | 561.4 | 550.4 | 539.5 | 533.8 |
| 42.5° | 514.2 | 523.0 | 533.8 | 544.5 | 546.6 | 548.7 | 540.0 | 531.1 | 518.4 | 505.7 | 496.8 |
| 45° | 478.5 | 486.4 | 498.1 | 509.9 | 514.9 | 519.8 | 511.9 | 503.9 | 489.6 | 475.4 | 464.8 |
| 47.5° | 450.3 | 458.4 | 471.4 | 484.5 | 489.8 | 495.1 | 489.8 | 484.5 | 472.3 | 459.9 | 450.5 |
| 50° | 428.5 | 437.3 | 447.4 | 457.7 | 467.5 | 477.1 | 476.1 | 475.1 | 465.4 | 455.6 | 446.9 |
| 52.5° | 413.6 | 421.8 | 432.3 | 442.9 | 453.1 | 463.4 | 464.9 | 466.6 | 459.6 | 452.5 | 444.9 |
| 55° | 400.7 | 410.5 | 420.4 | 430.2 | 439.8 | 449.3 | 451.4 | 453.5 | 448.4 | 443.2 | 437.6 |
| 57.5° | 383.0 | 393.6 | 403.4 | 413.3 | 424.4 | 435.6 | 437.3 | 439.0 | 433.6 | 428.1 | 423.9 |
| 60° | 361.0 | 371.7 | 382.0 | 392.1 | 403.4 | 414.7 | 417.0 | 419.2 | 415.0 | 410.8 | 406.8 |
| 62.5° | 329.9 | 342.1 | 350.5 | 359.0 | 369.7 | 380.6 | 383.8 | 387.2 | 385.2 | 383.4 | 378.9 |
| 65° | *299.3* | *311.0* | *317.7* | *324.4* | *333.7* | *343.1* | *346.3* | *349.5* | *348.6* | *347.7* | *344.5* |
| 67.5° | 268.9 | 279.6 | 285.1 | 290.6 | 296.9 | 303.3 | 306.9 | 310.6 | 308.8 | 306.8 | 303.4 |
| 70° | 242.6 | 251.4 | 256.2 | 261.0 | 266.0 | 271.1 | 273.1 | 275.1 | 272.2 | 269.4 | 261.8 |
| 72.5° | 215.1 | 221.7 | 225.8 | 229.9 | 234.7 | 239.5 | 240.6 | 241.9 | 237.5 | 233.0 | 224.1 |
| 75° | 181.1 | 186.2 | 189.3 | 192.5 | 197.5 | 202.4 | 204.5 | 206.7 | 200.4 | 194.4 | 184.9 |
| 77.5° | 141.8 | 146.4 | 149.4 | 152.3 | 156.4 | 160.5 | 161.1 | 161.9 | 156.6 | 151.2 | 145.6 |
| 80° | 103.8 | 107.2 | 108.3 | 109.3 | 112.7 | 116.0 | 116.0 | 116.0 | 112.0 | 107.9 | 105.1 |
| 82.5° | 65.6 | 64.9 | 63.5 | 62.1 | 65.5 | 68.8 | 70.0 | 71.2 | 69.4 | 67.7 | 64.6 |
| 85° | 29.3 | 27.1 | 26.7 | 26.1 | 26.0 | 25.7 | 26.7 | 27.5 | 27.1 | 26.8 | 25.7 |
| 87.5° | 13.8 | 14.4 | 14.0 | 13.4 | 12.8 | 12.4 | 11.3 | 10.2 | 9.3 | 8.5 | 7.9 |
| 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: P1365081
CATALOG NUMBER: GSS-SB1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 842.8 | 842.1 | 842.8 | 843.8 | 844.9 | 846.4 | 847.8 | 850.7 | 853.7 | 858.2 | 862.6 |
| 5° | 788.5 | 787.1 | 788.5 | 790.1 | 791.6 | 794.0 | 796.3 | 801.8 | 807.1 | 813.8 | 820.3 |
| 7.5° | 751.8 | 750.4 | 751.8 | 754.5 | 757.2 | 760.9 | 764.5 | 770.7 | 777.0 | 786.5 | 796.3 |
| 10° | 731.4 | 729.3 | 731.4 | 734.2 | 737.0 | 742.1 | 747.3 | 756.4 | 765.7 | 776.4 | 787.1 |
| 12.5° | 727.6 | 725.0 | 727.6 | 731.8 | 736.0 | 742.3 | 748.7 | 760.2 | 771.6 | 786.0 | 800.5 |
| 15° | 741.7 | 737.7 | 741.7 | 746.9 | 752.1 | 761.4 | 770.5 | 787.0 | 803.3 | 823.5 | 843.5 |
| 17.5° | 762.4 | 760.3 | 762.4 | 767.2 | 771.9 | 785.1 | 798.4 | 822.7 | 847.1 | 875.3 | 903.5 |
| 20° | 769.9 | 767.4 | 769.9 | 777.0 | 784.0 | 801.5 | 819.3 | 851.3 | 883.3 | 920.3 | 957.1 |
| 22.5° | 768.8 | 765.9 | 768.8 | 775.5 | 782.2 | 803.2 | 824.1 | 863.6 | 903.1 | 939.3 | 975.4 |
| 25° | 754.0 | 751.8 | 754.0 | 760.9 | 767.6 | 789.8 | 811.8 | 850.0 | 888.4 | 918.2 | 947.9 |
| 27.5° | 728.1 | 723.6 | 728.1 | 735.5 | 742.7 | 762.3 | 781.7 | 812.8 | 843.8 | 862.0 | 880.2 |
| 30° | 694.7 | 692.6 | 694.7 | 699.4 | 703.9 | 718.3 | 732.8 | 754.9 | 777.2 | 789.2 | 801.2 |
| 32.5° | 654.5 | 653.1 | 654.5 | 657.5 | 660.4 | 669.5 | 678.5 | 693.2 | 707.8 | 717.1 | 726.5 |
| 35° | 611.5 | 609.4 | 611.5 | 613.7 | 616.1 | 622.6 | 629.1 | 642.1 | 655.2 | 663.0 | 670.7 |
| 37.5° | 568.7 | 565.6 | 568.7 | 573.0 | 577.2 | 585.1 | 592.7 | 603.9 | 615.0 | 620.7 | 626.3 |
| 40° | 527.8 | 524.7 | 527.8 | 533.8 | 539.5 | 550.4 | 561.4 | 572.0 | 582.6 | 583.7 | 584.7 |
| 42.5° | 488.1 | 482.4 | 488.1 | 496.8 | 505.7 | 518.4 | 531.1 | 540.0 | 548.7 | 546.6 | 544.5 |
| 45° | 454.2 | 447.2 | 454.2 | 464.8 | 475.4 | 489.6 | 503.9 | 511.9 | 519.8 | 514.9 | 509.9 |
| 47.5° | 441.2 | 434.5 | 441.2 | 450.5 | 459.9 | 472.3 | 484.5 | 489.8 | 495.1 | 489.8 | 484.5 |
| 50° | 438.0 | 431.6 | 438.0 | 446.9 | 455.6 | 465.4 | 475.1 | 476.1 | 477.1 | 467.5 | 457.7 |
| 52.5° | 437.3 | 431.6 | 437.3 | 444.9 | 452.5 | 459.6 | 466.6 | 464.9 | 463.4 | 453.1 | 442.9 |
| 55° | 431.9 | 427.4 | 431.9 | 437.6 | 443.2 | 448.4 | 453.5 | 451.4 | 449.3 | 439.8 | 430.2 |
| 57.5° | 419.6 | 417.5 | 419.6 | 423.9 | 428.1 | 433.6 | 439.0 | 437.3 | 435.6 | 424.4 | 413.3 |
| 60° | 402.7 | 399.2 | 402.7 | 406.8 | 410.8 | 415.0 | 419.2 | 417.0 | 414.7 | 403.4 | 392.1 |
| 62.5° | 374.5 | 369.6 | 374.5 | 378.9 | 383.4 | 385.2 | 387.2 | 383.8 | 380.6 | 369.7 | 359.0 |
| 65° | *341.4* | *335.7* | *341.4* | *344.5* | *347.7* | *348.6* | *349.5* | *346.3* | *343.1* | *333.7* | *324.4* |
| 67.5° | 300.2 | 299.0 | 300.2 | 303.4 | 306.8 | 308.8 | 310.6 | 306.9 | 303.3 | 296.9 | 290.6 |
| 70° | 254.2 | 245.4 | 254.2 | 261.8 | 269.4 | 272.2 | 275.1 | 273.1 | 271.1 | 266.0 | 261.0 |
| 72.5° | 215.1 | 205.9 | 215.1 | 224.1 | 233.0 | 237.5 | 241.9 | 240.6 | 239.5 | 234.7 | 229.9 |
| 75° | 175.6 | 169.3 | 175.6 | 184.9 | 194.4 | 200.4 | 206.7 | 204.5 | 202.4 | 197.5 | 192.5 |
| 77.5° | 139.9 | 136.8 | 139.9 | 145.6 | 151.2 | 156.6 | 161.9 | 161.1 | 160.5 | 156.4 | 152.3 |
| 80° | 102.3 | 100.2 | 102.3 | 105.1 | 107.9 | 112.0 | 116.0 | 116.0 | 116.0 | 112.7 | 109.3 |
| 82.5° | 61.4 | 59.2 | 61.4 | 64.6 | 67.7 | 69.4 | 71.2 | 70.0 | 68.8 | 65.5 | 62.1 |
| 85° | 24.7 | 24.0 | 24.7 | 25.7 | 26.8 | 27.1 | 27.5 | 26.7 | 25.7 | 26.0 | 26.1 |
| 87.5° | 7.3 | 7.1 | 7.3 | 7.9 | 8.5 | 9.3 | 10.2 | 11.3 | 12.4 | 12.8 | 13.4 |
| 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: P1365081
CATALOG NUMBER: GSS-SB1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 868.8 | 874.8 | 880.1 | 885.1 | 890.9 | 896.9 | 904.3 | 911.9 | 919.0 | 927.0 | 935.1 |
| 5° | 828.6 | 836.8 | 846.1 | 855.1 | 866.1 | 877.1 | 890.4 | 903.9 | 917.6 | 933.5 | 948.8 |
| 7.5° | 806.6 | 816.7 | 828.9 | 841.0 | 855.4 | 869.6 | 886.0 | 902.5 | 919.0 | 940.2 | 960.5 |
| 10° | 800.5 | 813.9 | 826.7 | 839.6 | 854.3 | 868.9 | 886.1 | 903.5 | 921.1 | 943.7 | 967.0 |
| 12.5° | 816.6 | 832.5 | 844.4 | 856.2 | 866.4 | 876.7 | 890.9 | 905.3 | 922.5 | 947.2 | 972.7 |
| 15° | 858.3 | 873.2 | 877.2 | 881.3 | 882.2 | 883.0 | 892.3 | 901.6 | 916.9 | 944.4 | 973.3 |
| 17.5° | 913.9 | 924.2 | 916.2 | 908.1 | 894.2 | 880.2 | 881.5 | 882.7 | 895.7 | 927.9 | 961.5 |
| 20° | 958.1 | 959.2 | 937.5 | 915.8 | 888.5 | 861.2 | 853.3 | 845.2 | 853.4 | 896.0 | 940.3 |
| 22.5° | 967.5 | 959.5 | 928.2 | 896.9 | 861.2 | 825.5 | 813.8 | 801.9 | 809.7 | 860.5 | 916.0 |
| 25° | 933.0 | 918.0 | 884.3 | 850.6 | 817.6 | 784.6 | 771.7 | 758.9 | 759.6 | 817.9 | 887.1 |
| 27.5° | 863.4 | 846.6 | 819.6 | 792.5 | 767.9 | 743.4 | 731.0 | 718.7 | 715.2 | 774.7 | 857.5 |
| 30° | 787.8 | 774.4 | 756.1 | 737.7 | 720.0 | 702.2 | 692.6 | 683.0 | 679.2 | 737.0 | 831.7 |
| 32.5° | 719.1 | 711.6 | 698.1 | 684.4 | 672.8 | 661.3 | 657.2 | 653.1 | 653.1 | 706.4 | 809.1 |
| 35° | 665.1 | 659.4 | 648.3 | 637.3 | 629.7 | 622.1 | 625.5 | 628.8 | 637.6 | 678.8 | 783.4 |
| 37.5° | 618.1 | 610.1 | 600.8 | 591.3 | 587.9 | 584.3 | 593.6 | 602.6 | 619.2 | 651.7 | 754.9 |
| 40° | 574.7 | 564.5 | 555.6 | 546.6 | 547.0 | 547.3 | 560.8 | 574.4 | 595.3 | 620.9 | 721.0 |
| 42.5° | 533.8 | 523.0 | 514.2 | 505.3 | 507.1 | 508.9 | 526.1 | 543.4 | 569.2 | 587.1 | 680.5 |
| 45° | 498.1 | 486.4 | 478.5 | 470.9 | 473.7 | 476.5 | 494.0 | 511.8 | 537.4 | 553.7 | 639.3 |
| 47.5° | 471.4 | 458.4 | 450.3 | 442.2 | 444.1 | 445.7 | 461.0 | 476.1 | 500.1 | 518.8 | 598.4 |
| 50° | 447.4 | 437.3 | 428.5 | 419.6 | 417.5 | 415.4 | 428.0 | 440.4 | 464.1 | 489.8 | 562.0 |
| 52.5° | 432.3 | 421.8 | 413.6 | 405.5 | 399.1 | 392.4 | 401.9 | 411.2 | 436.6 | 469.4 | 529.3 |
| 55° | 420.4 | 410.5 | 400.7 | 391.0 | 381.7 | 372.4 | 382.8 | 393.3 | 423.2 | 455.9 | 501.9 |
| 57.5° | 403.4 | 393.6 | 383.0 | 372.4 | 363.1 | 353.8 | 368.3 | 383.0 | 419.6 | 447.2 | 478.8 |
| 60° | 382.0 | 371.7 | 361.0 | 350.1 | 344.0 | 337.8 | 356.2 | 374.5 | 411.2 | 432.8 | 454.9 |
| 62.5° | 350.5 | 342.1 | 329.9 | 317.7 | 317.1 | 316.3 | 340.2 | 364.2 | 399.2 | 408.4 | 420.6 |
| 65° | *317.7* | *311.0* | *299.3* | *287.8* | *290.6* | *293.4* | *319.1* | *344.9* | *373.8* | *376.3* | *378.9* |
| 67.5° | 285.1 | 279.6 | 268.9 | 258.1 | 263.9 | 269.7 | 292.6 | 315.3 | 335.0 | 331.2 | 323.7 |
| 70° | 256.2 | 251.4 | 242.6 | 233.9 | 237.5 | 241.2 | 254.8 | 268.3 | 277.9 | 279.0 | 267.9 |
| 72.5° | 225.8 | 221.7 | 215.1 | 208.5 | 211.0 | 213.7 | 216.7 | 219.8 | 213.7 | 225.0 | 216.5 |
| 75° | 189.3 | 186.2 | 181.1 | 176.0 | 177.9 | 179.8 | 181.4 | 183.1 | 179.1 | 174.6 | 164.5 |
| 77.5° | 149.4 | 146.4 | 141.8 | 137.1 | 139.4 | 141.3 | 145.1 | 148.8 | 148.1 | 135.1 | 124.1 |
| 80° | 108.3 | 107.2 | 103.8 | 100.4 | 102.1 | 103.7 | 108.3 | 112.8 | 113.6 | 95.2 | 83.8 |
| 82.5° | 63.5 | 64.9 | 65.6 | 66.3 | 67.4 | 68.4 | 68.4 | 68.4 | 65.6 | 55.3 | 49.7 |
| 85° | 26.7 | 27.1 | 29.3 | 31.3 | 33.0 | 34.6 | 34.4 | 34.1 | 32.4 | 26.8 | 23.1 |
| 87.5° | 14.0 | 14.4 | 13.8 | 13.0 | 12.4 | 11.6 | 10.7 | 9.9 | 8.5 | 7.8 | 7.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365081
CATALOG NUMBER: GSS-SB1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 | 919.7 |
| 2.5° | 943.0 | 951.3 | 959.5 | 967.7 | 975.8 | 984.7 | 993.8 |
| 5° | 964.1 | 980.4 | 996.6 | 1013.1 | 1029.7 | 1045.5 | 1061.5 |
| 7.5° | 980.6 | 1003.2 | 1025.8 | 1051.0 | 1076.3 | 1103.1 | 1129.9 |
| 10° | 990.2 | 1018.2 | 1045.9 | 1077.4 | 1108.7 | 1140.9 | 1172.9 |
| 12.5° | 998.4 | 1029.6 | 1060.8 | 1095.9 | 1131.0 | 1162.9 | 1194.8 |
| 15° | 1002.2 | 1035.9 | 1069.5 | 1105.2 | 1140.9 | 1173.0 | 1205.3 |
| 17.5° | 995.2 | 1033.4 | 1071.8 | 1109.8 | 1147.9 | 1178.0 | 1208.2 |
| 20° | 984.6 | 1029.6 | 1074.6 | 1115.5 | 1156.4 | 1186.9 | 1217.3 |
| 22.5° | 971.6 | 1026.6 | 1081.6 | 1126.5 | 1171.5 | 1199.3 | 1227.2 |
| 25° | 956.4 | 1026.3 | 1096.3 | 1145.4 | 1194.5 | 1218.6 | 1242.7 |
| 27.5° | 940.2 | 1029.0 | 1117.9 | 1173.0 | 1228.3 | 1246.8 | 1265.3 |
| 30° | 926.5 | 1034.8 | 1143.3 | 1205.8 | 1268.1 | 1282.5 | 1297.0 |
| 32.5° | 911.9 | 1041.3 | 1170.8 | 1244.3 | 1317.8 | 1326.8 | 1335.8 |
| 35° | 888.0 | 1039.7 | 1191.7 | 1285.2 | 1378.8 | 1390.1 | 1401.4 |
| 37.5° | 858.3 | 1035.4 | 1212.4 | 1335.1 | 1457.8 | 1471.2 | 1484.6 |
| 40° | 821.0 | 1025.5 | 1230.0 | 1392.2 | 1554.5 | 1581.0 | 1607.4 |
| 42.5° | 773.7 | 1008.4 | 1243.0 | 1455.4 | 1667.6 | 1723.6 | 1779.5 |
| 45° | 725.0 | 996.7 | 1268.4 | 1541.2 | 1814.0 | 1903.6 | 1993.2 |
| 47.5° | 678.2 | 983.0 | 1287.9 | 1629.4 | 1970.9 | 2084.3 | 2197.7 |
| 50° | 634.1 | 959.8 | 1285.3 | 1706.2 | 2127.2 | 2280.9 | 2434.7 |
| 52.5° | 589.3 | 912.1 | 1235.0 | 1742.6 | 2250.2 | 2494.5 | 2738.7 |
| 55° | 547.6 | 848.9 | 1149.9 | 1733.0 | 2316.2 | 2709.0 | 3101.9 |
| 57.5° | 510.4 | 782.7 | 1055.1 | 1680.7 | 2306.3 | 2889.2 | 3472.2 |
| 60° | 477.1 | 699.1 | 921.1 | 1555.3 | 2189.5 | 2969.8 | 3750.0 |
| 62.5° | 433.1 | 593.0 | 753.0 | 1349.8 | 1946.6 | 2790.8 | 3635.1 |
| 65° | *381.6* | *466.1* | *550.4* | *1058.8* | *1567.2* | *2407.2* | *3247.2* |
| 67.5° | 316.3 | 356.3 | 396.4 | 823.9 | 1251.5 | 2067.4 | 2883.2 |
| 70° | 256.7 | 270.8 | 284.9 | 631.4 | 977.8 | 1756.3 | 2534.8 |
| 72.5° | 208.1 | 208.2 | 208.5 | 474.7 | 740.8 | 1458.4 | 2175.8 |
| 75° | 154.5 | 155.3 | 156.3 | 351.8 | 547.3 | 1164.4 | 1781.6 |
| 77.5° | 113.1 | 112.6 | 111.7 | 227.4 | 343.1 | 764.0 | 1184.9 |
| 80° | 72.2 | 71.7 | 70.8 | 125.7 | 180.6 | 438.0 | 695.4 |
| 82.5° | 44.0 | 43.9 | 43.7 | 67.6 | 91.4 | 219.5 | 347.7 |
| 85° | 19.5 | 18.5 | 17.6 | 21.4 | 25.4 | 52.2 | 79.0 |
| 87.5° | 6.3 | 5.9 | 5.6 | 5.8 | 5.9 | 6.2 | 6.3 |
| 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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

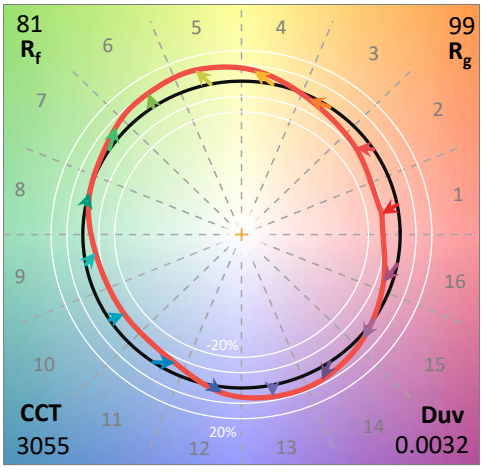
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-9 |
| 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-830-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3055 |
| CIE u': | 0.2475 |
| CIE v': | 0.5247 |
| Duv: | 0.0032 |
| CIE x: | 0.4377 |
| CIE y: | 0.4124 |
| CIE z: | 0.1499 |
| Peak Wavelength (nm): | 604 |
| Dominant Wavelength (nm): | 581 |
| Purity: | 55.16339 |
| Rf: | 81.5 |
| Rg: | 99.2 |

| | |
|---|---|
| CRI (Ra): | 80.9 |
| R1: | 79.5 |
| R2: | 85.6 |
| R3: | 92.1 |
| R4: | 82.4 |
| R5: | 78.9 |
| R6: | 81.7 |
| R7: | 85.1 |
| R8: | 61.9 |
| R9: | 6.8 |
| R10: | 67.1 |
| R11: | 82.5 |
| R12: | 63.4 |
| R13: | 80.2 |
| R14: | 95.1 |
| R15: | 71.7 |




## Test Conditions

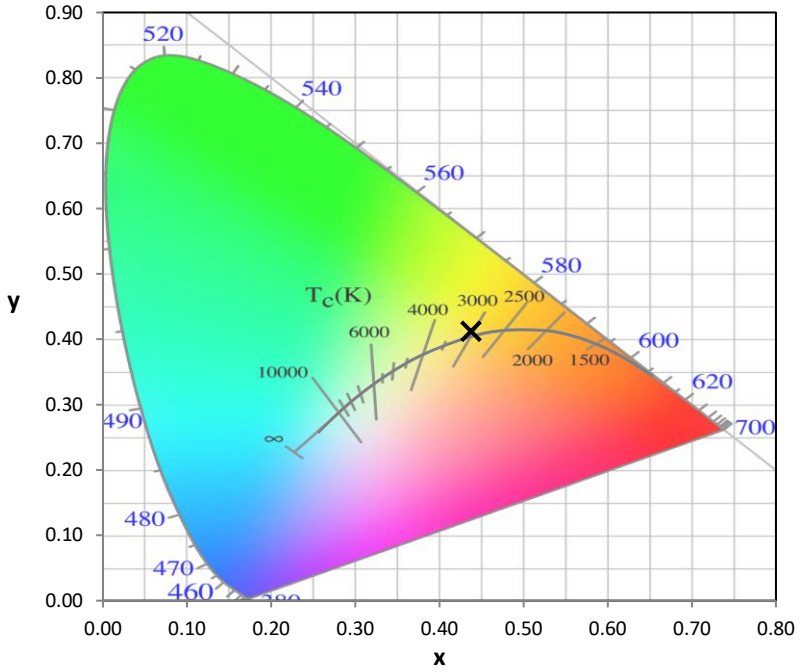
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-9

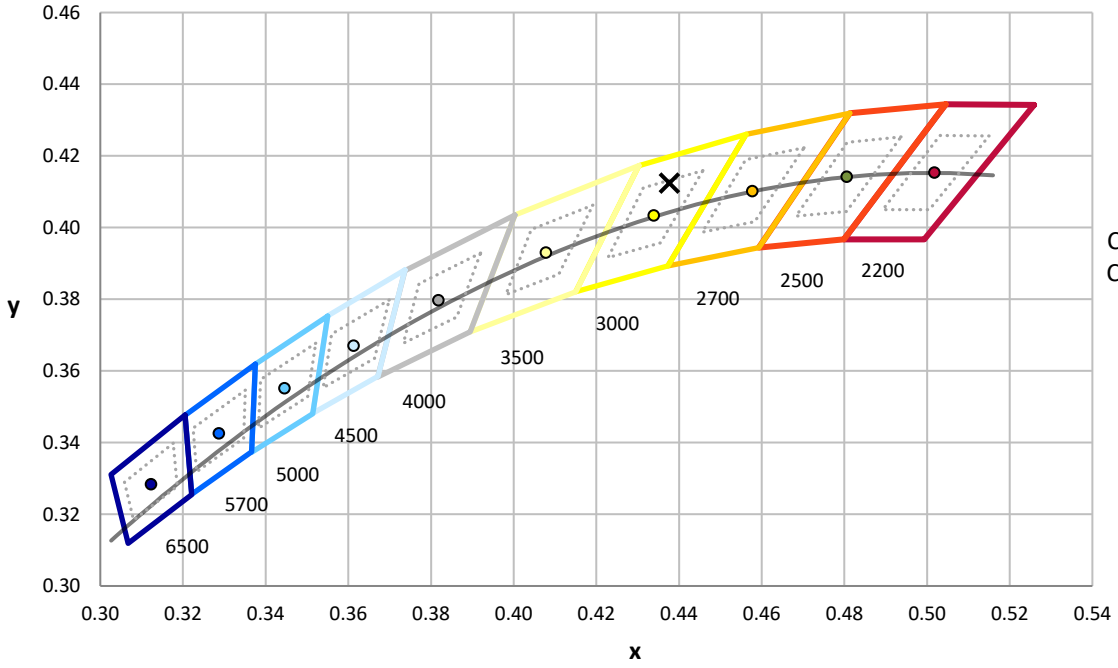
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-9

## CIE 1931 Chromaticity Diagram




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

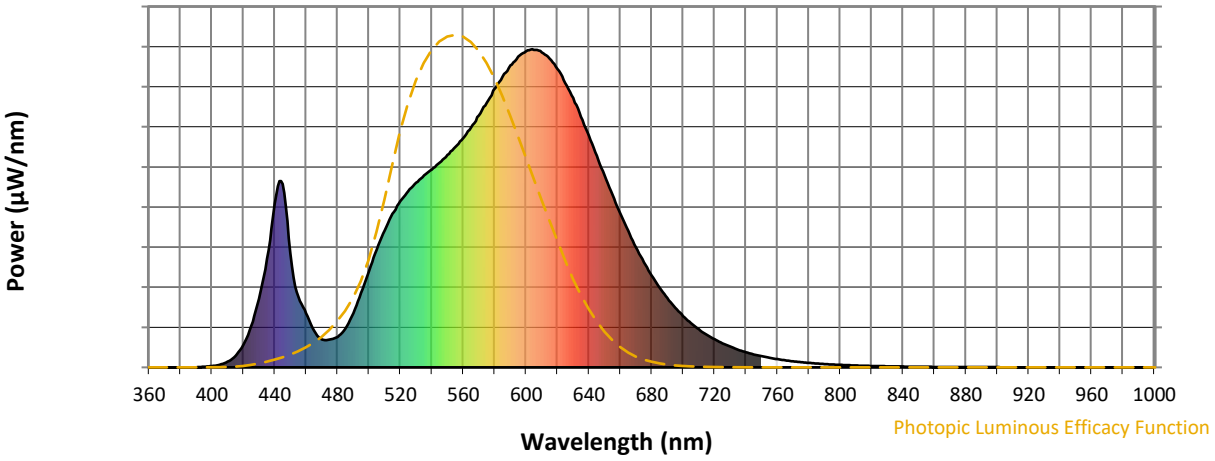



CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

## Photopic Flux vs. Wavelength

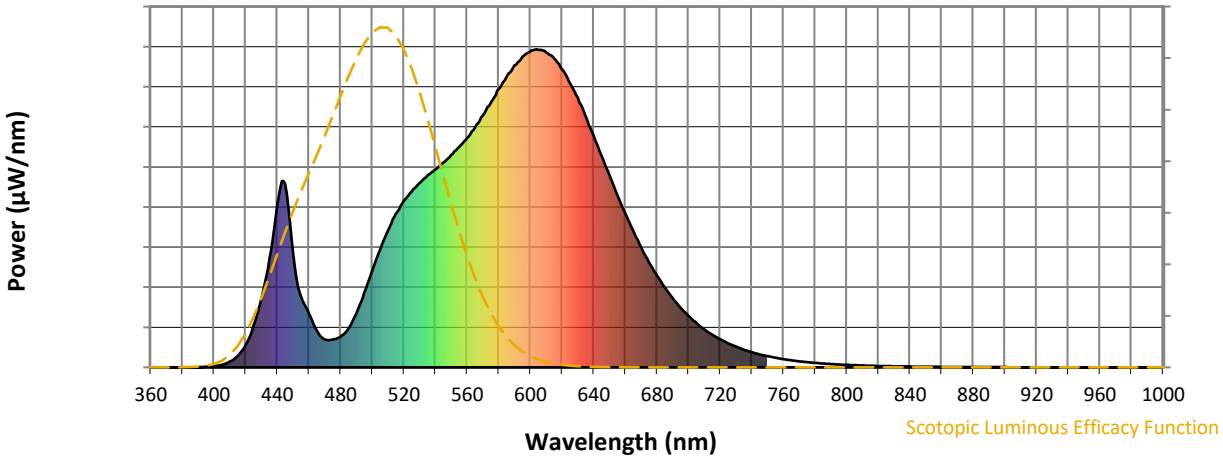



## Photopic Lumens: NR

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-9

## Scotopic Flux vs. Wavelength

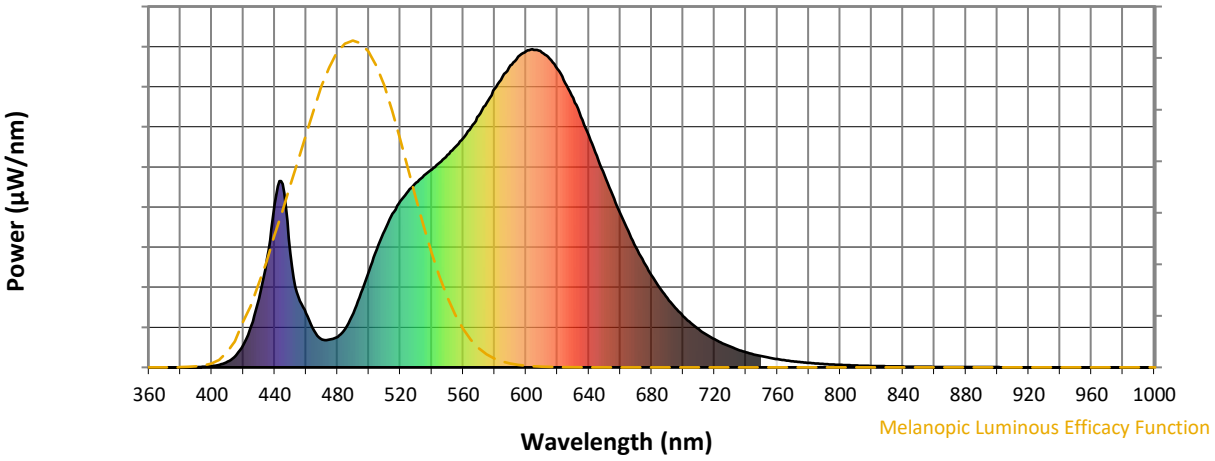



**Scotopic Lumens: NR** **S/P: 1.28**

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-9

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.33**

| 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 | 170 | NR | 620 | 938 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 234 | NR | 625 | 894 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 302 | NR | 630 | 847 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 371 | NR | 635 | 788 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 431 | NR | 640 | 728 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 482 | NR | 645 | 665 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 523 | NR | 650 | 603 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 553 | NR | 655 | 542 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 580 | NR | 660 | 484 | NR | 790 | 11 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 603 | NR | 665 | 430 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 18 | NR | 540 | 622 | NR | 670 | 377 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 36 | NR | 545 | 644 | NR | 675 | 330 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 71 | NR | 550 | 668 | NR | 680 | 289 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 693 | NR | 685 | 250 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 215 | NR | 560 | 720 | NR | 690 | 218 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 341 | NR | 565 | 754 | NR | 695 | 188 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 514 | NR | 570 | 792 | NR | 700 | 161 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 576 | NR | 575 | 832 | NR | 705 | 139 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 358 | NR | 580 | 875 | NR | 710 | 119 | NR | 840 | 3 | NR | 970 | 0 | NR |
| 455 | 222 | NR | 585 | 913 | NR | 715 | 102 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 170 | NR | 590 | 950 | NR | 720 | 88 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 115 | NR | 595 | 977 | NR | 725 | 76 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 88 | NR | 600 | 994 | NR | 730 | 65 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 87 | NR | 605 | 997 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 96 | NR | 610 | 990 | NR | 740 | 47 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 122 | NR | 615 | 971 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

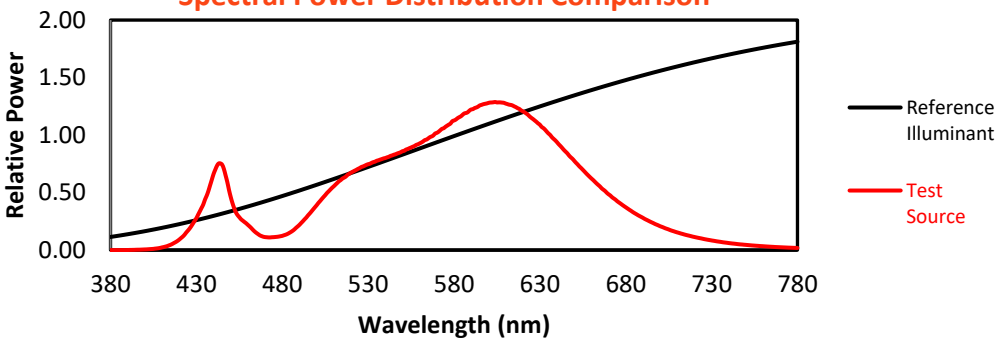
REPORT NUMBER: SP1-2407-184-9

# TM-30-18

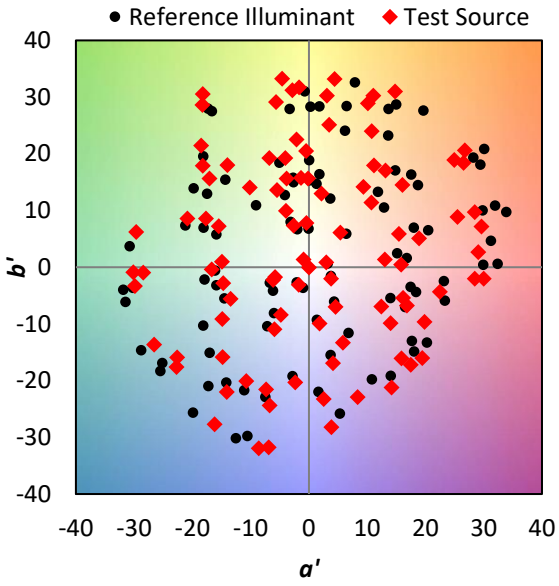
## Summary

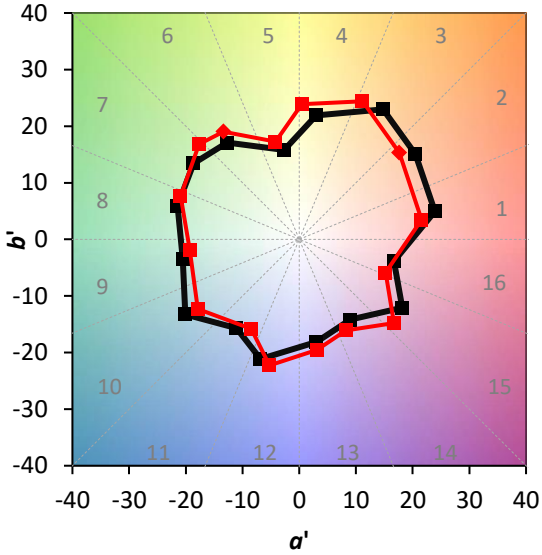
$R_f$ = 81.5
$R_g$ = 99.2
CIE $R_a$ = 80.9
$R_9$ = 6.8

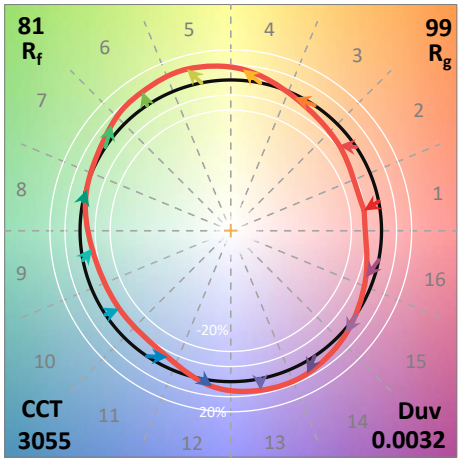
## Spectral Power Distribution Comparison

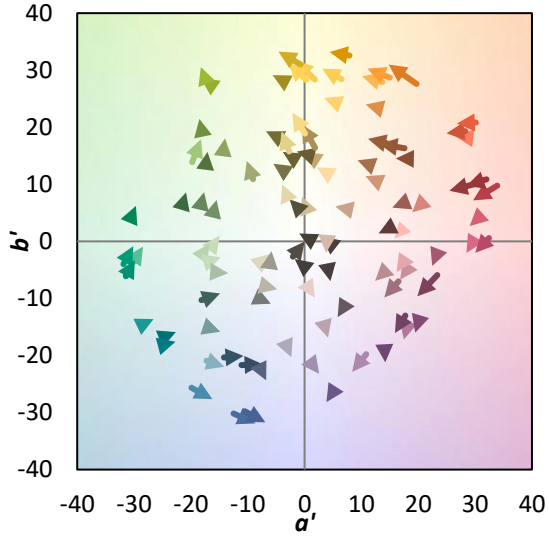



## Color Vector Graphics



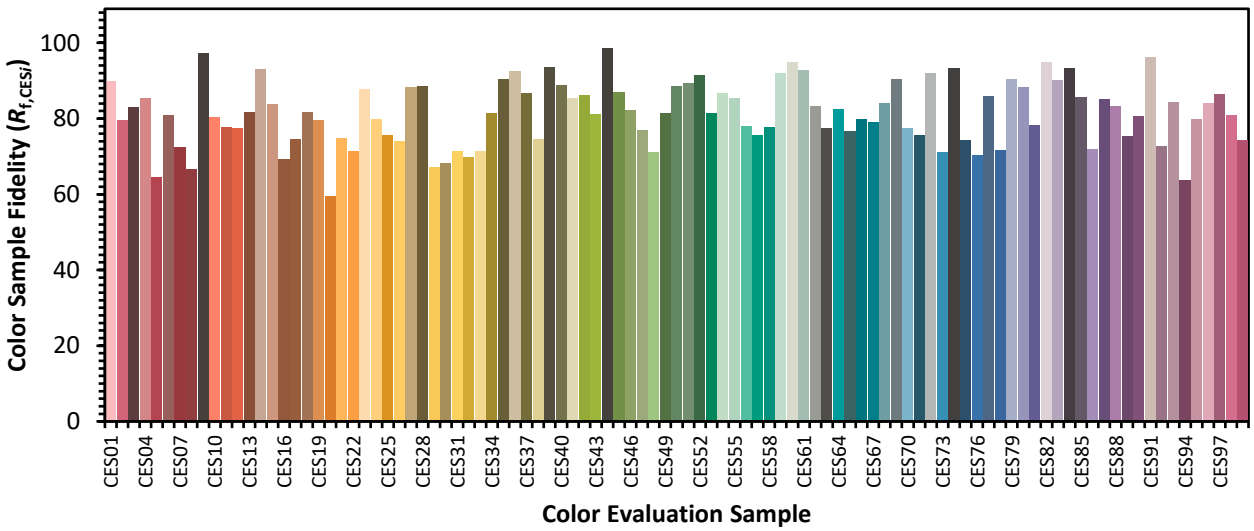



REPORT NUMBER: SP1-2407-184-9

# TM-30-18

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

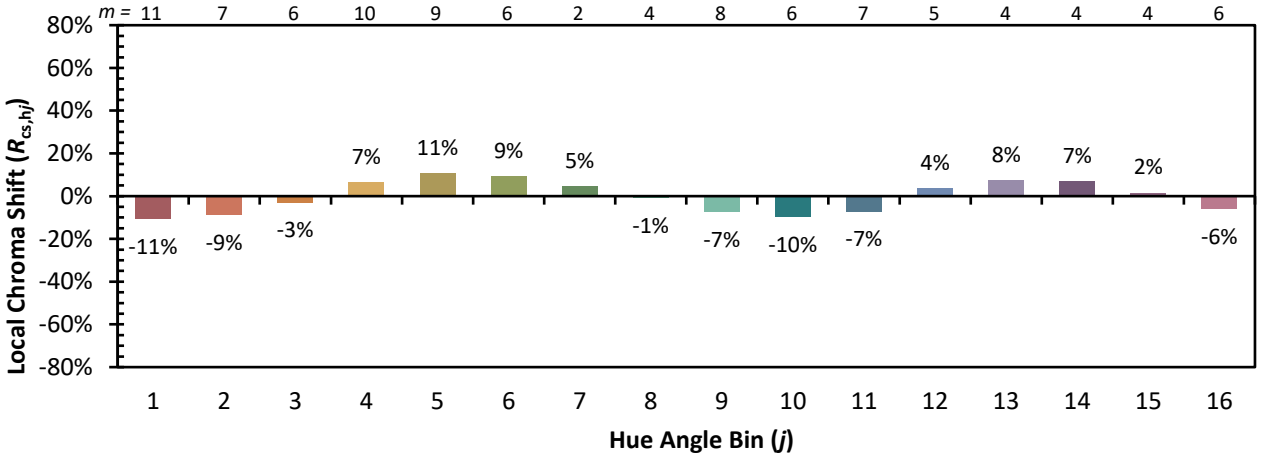
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 74 | CES51 = 89 | CES76 = 70 |
| CES02 = 63 | CES27 = 88 | CES52 = 91 | CES77 = 86 |
| CES03 = 31 | CES28 = 89 | CES53 = 81 | CES78 = 72 |
| CES04 = 70 | CES29 = 67 | CES54 = 87 | CES79 = 90 |
| CES05 = 50 | CES30 = 68 | CES55 = 85 | CES80 = 88 |
| CES06 = 51 | CES31 = 71 | CES56 = 78 | CES81 = 78 |
| CES07 = 42 | CES32 = 70 | CES57 = 76 | CES82 = 95 |
| CES08 = 41 | CES33 = 71 | CES58 = 78 | CES83 = 90 |
| CES09 = 29 | CES34 = 82 | CES59 = 92 | CES84 = 93 |
| CES10 = 76 | CES35 = 90 | CES60 = 95 | CES85 = 86 |
| CES11 = 59 | CES36 = 93 | CES61 = 93 | CES86 = 72 |
| CES12 = 65 | CES37 = 87 | CES62 = 83 | CES87 = 85 |
| CES13 = 43 | CES38 = 75 | CES63 = 77 | CES88 = 83 |
| CES14 = 74 | CES39 = 94 | CES64 = 83 | CES89 = 75 |
| CES15 = 71 | CES40 = 89 | CES65 = 77 | CES90 = 81 |
| CES16 = 47 | CES41 = 85 | CES66 = 80 | CES91 = 96 |
| CES17 = 50 | CES42 = 86 | CES67 = 79 | CES92 = 73 |
| CES18 = 56 | CES43 = 81 | CES68 = 84 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 90 | CES94 = 64 |
| CES20 = 66 | CES45 = 87 | CES70 = 77 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 76 | CES96 = 84 |
| CES22 = 79 | CES47 = 77 | CES72 = 92 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 71 | CES98 = 81 |
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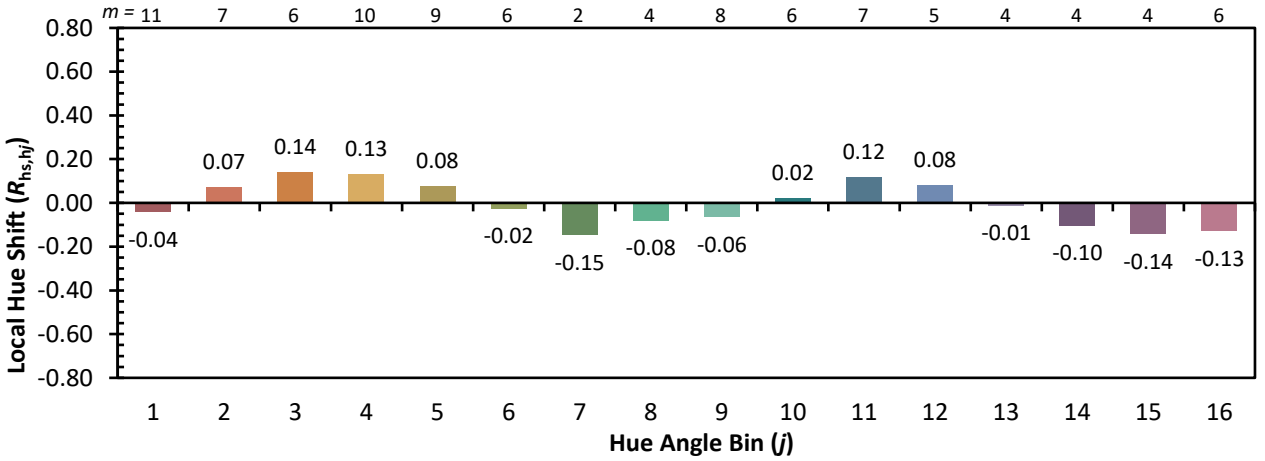


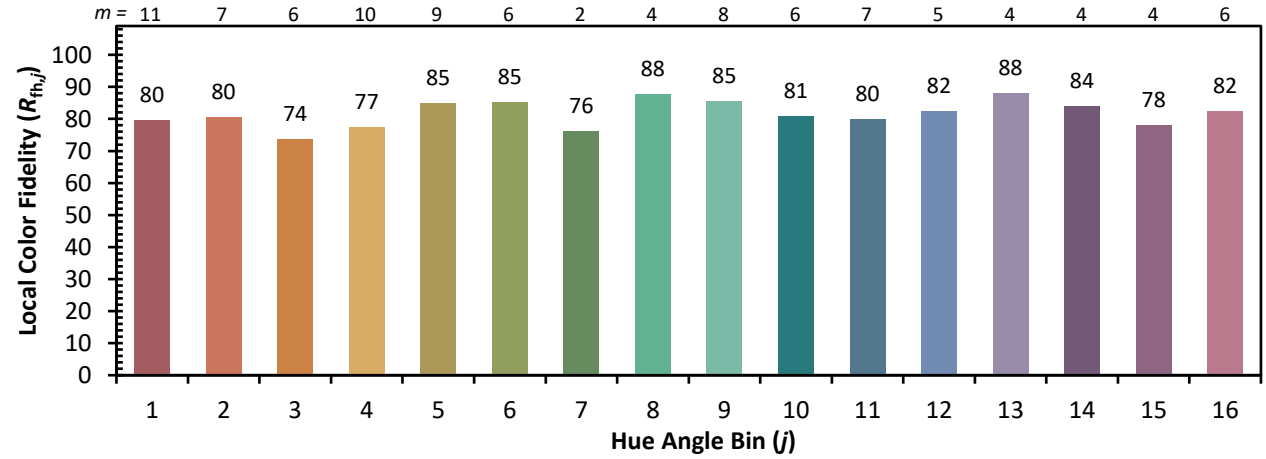
REPORT NUMBER: SP1-2407-184-9

**TM-30-18**

## Color Rendition by Hue-Angle Bin



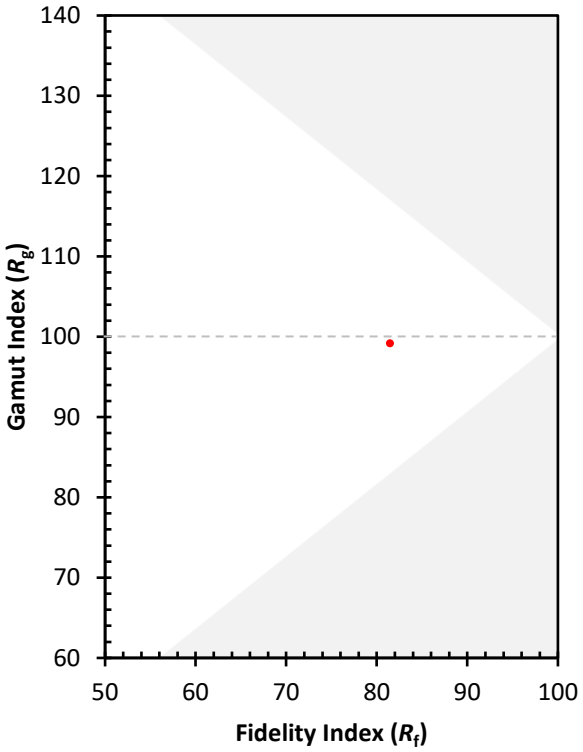



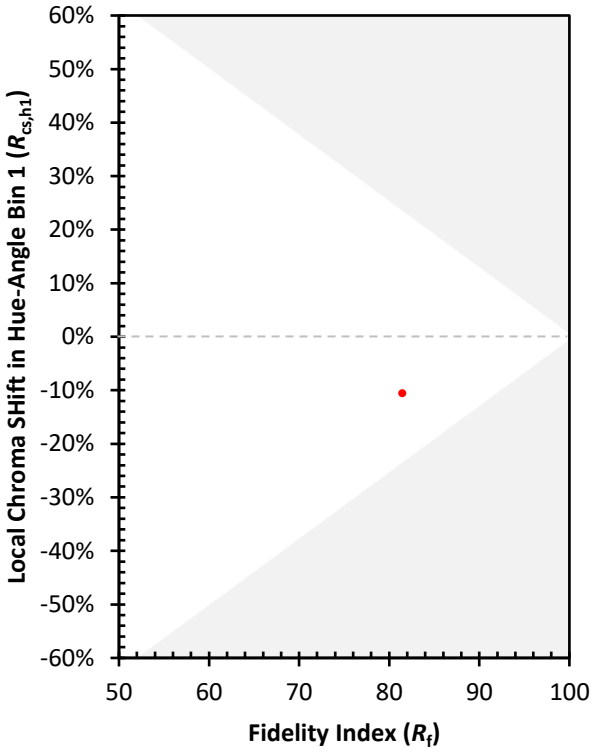



REPORT NUMBER: SP1-2407-184-9

# TM-30-18

## Measure Comparisons




(END OF REPORT)