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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501880

Luminaire Tested: GSS-SB1D-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501880 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1D-827-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (26) 2700K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6560.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 86.3 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G1 |

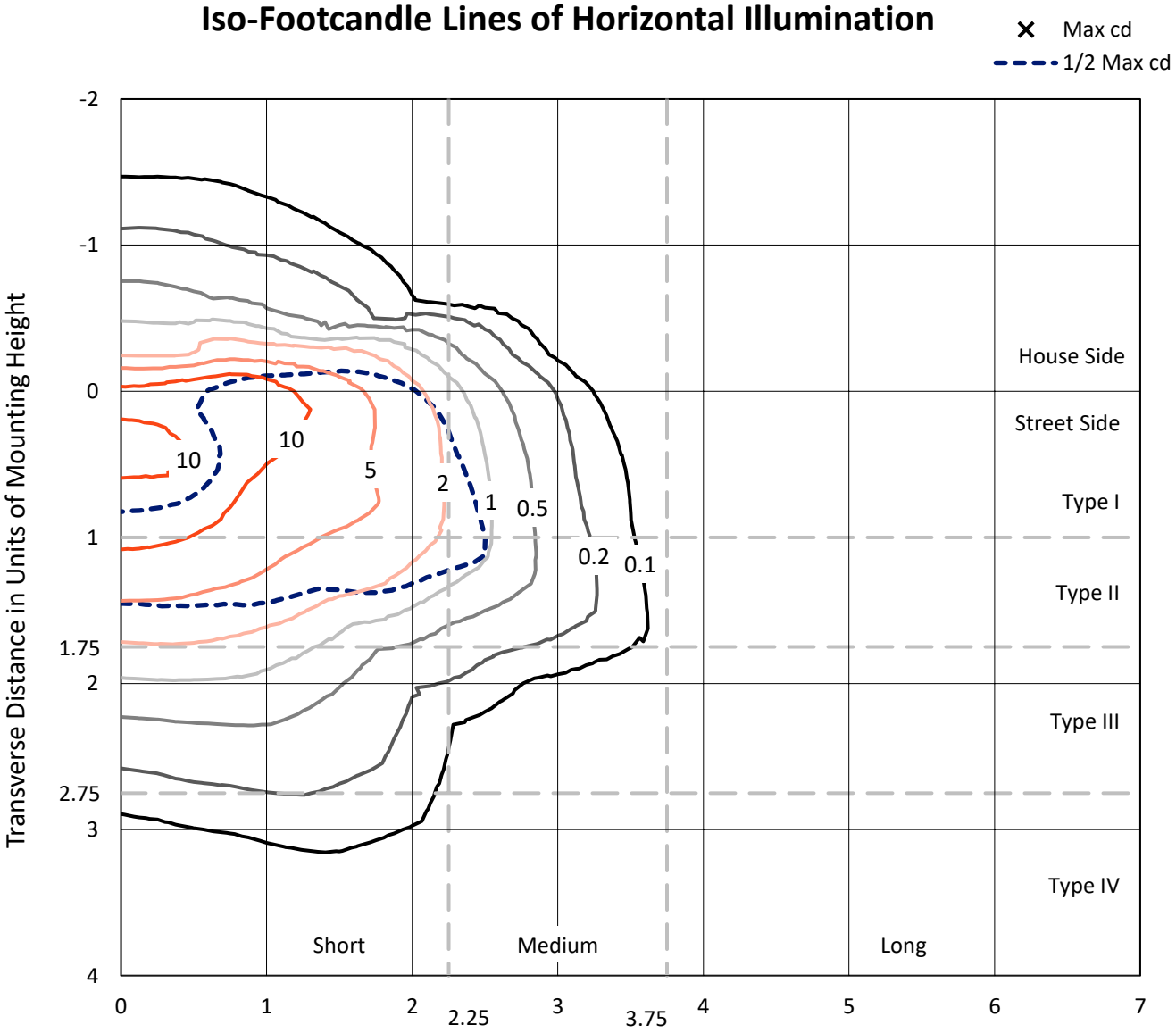
| | |
|---|---|
| Input Watts (W): | 76 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.7% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



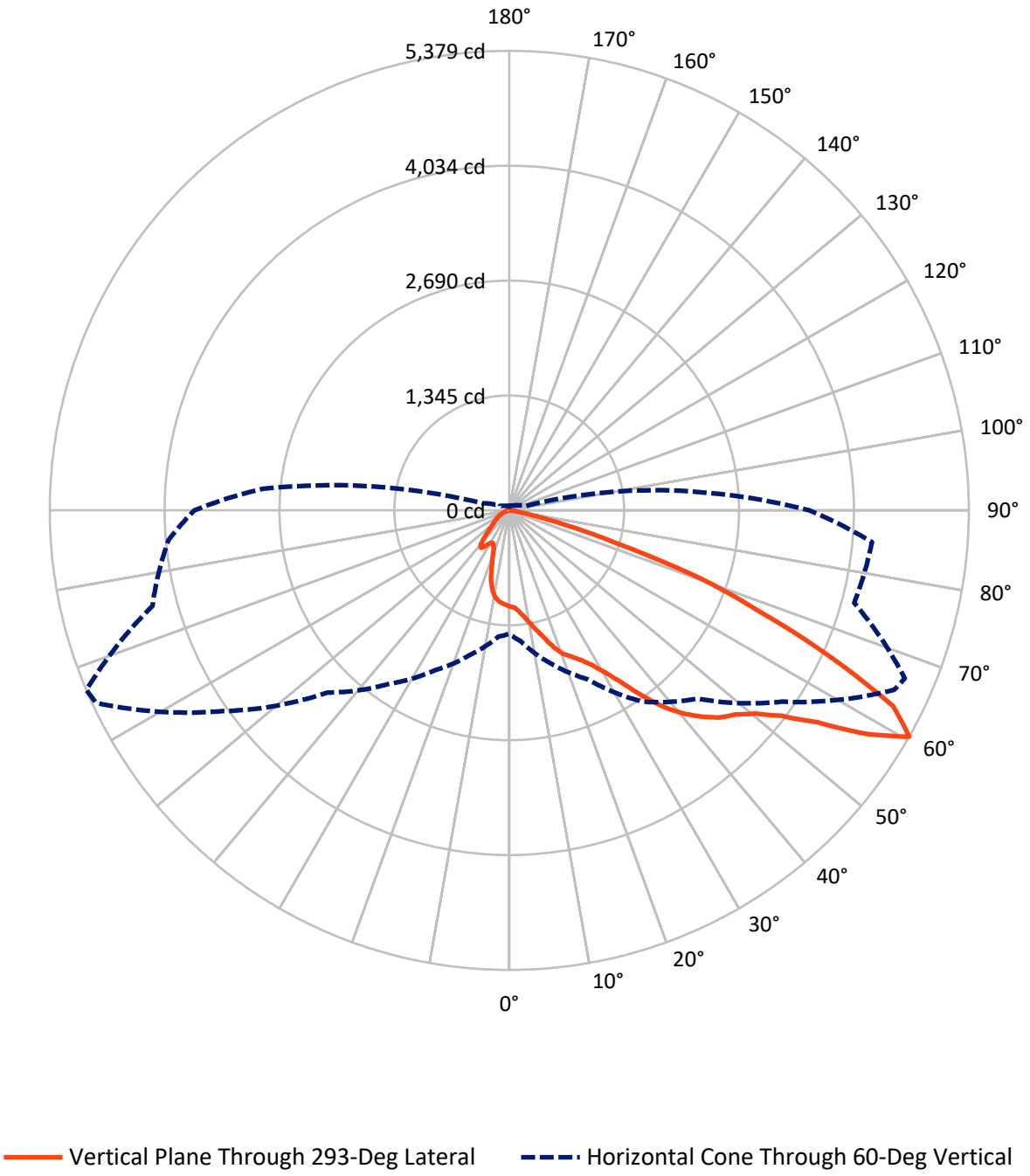

Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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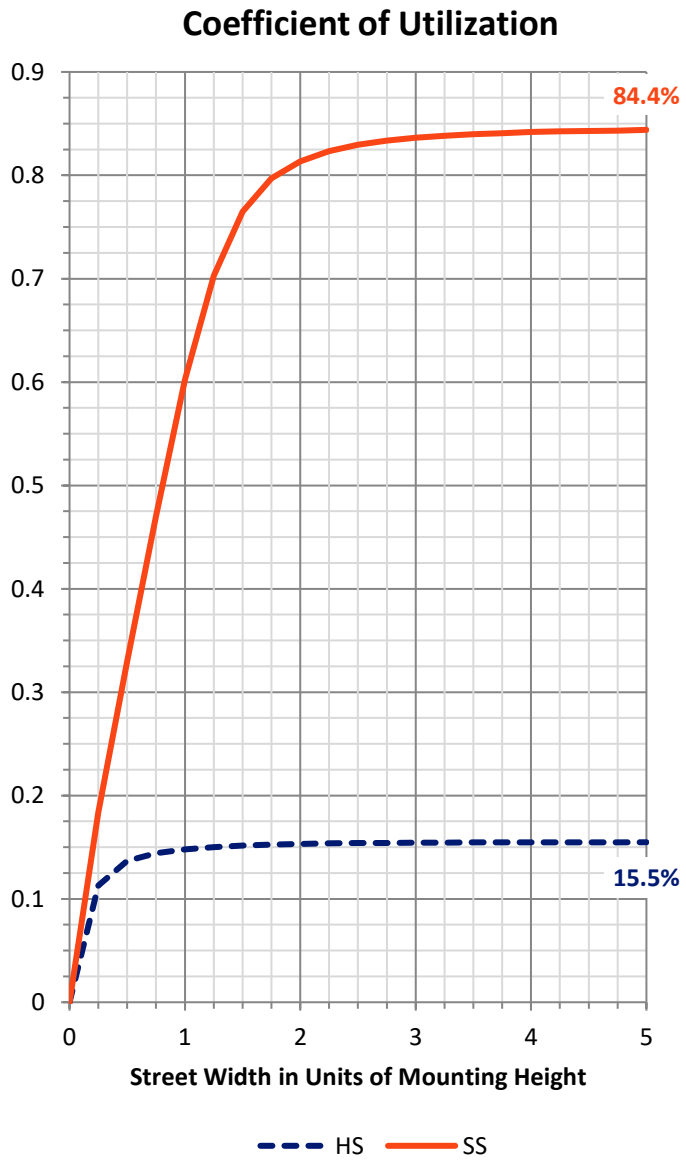
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1023.5 | 0.0 | 1023.5 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 5536.7 | 0.0 | 5536.7 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 6560.2 | 0.0 | 6560.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 101.8 | 1.6 |
| 10°-20° | 256.4 | 3.9 |
| 20°-30° | 478.7 | 7.3 |
| 30°-40° | 949.2 | 14.5 |
| 40°-50° | 1513.4 | 23.1 |
| 50°-60° | 1808.2 | 27.6 |
| 60°-70° | 1185.4 | 18.1 |
| 70°-80° | 248.3 | 3.8 |
| 80°-90° | 18.8 | 0.3 |
| 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° | 6560.2 | 100.0 |
| 0°-180° | 6560.2 | 100.0 |



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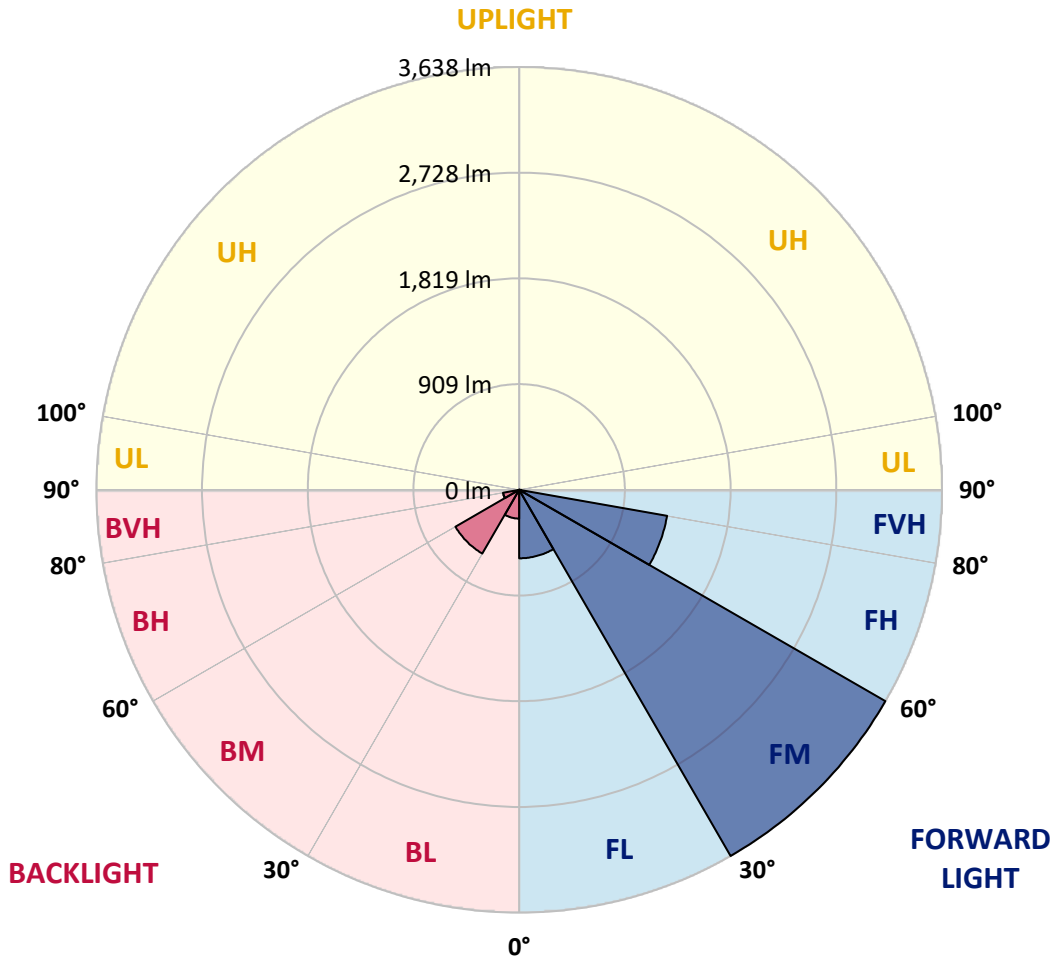
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 589.2 | 9.0 | | | |
| FM | (30°-60°) | 3637.9 | 55.5 | | | |
| FH | (60°-80°) | 1292.3 | 19.7 | | | G1/1800 |
| FVH | (80°-90°) | 17.2 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 247.6 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 633.0 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 141.4 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.6 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 |
| 2.5° | 1181.3 | 1177.6 | 1172.1 | 1174.0 | 1172.1 | 1164.8 | 1153.7 | 1144.6 | 1151.9 | 1140.9 | 1133.5 |
| 5° | 1216.2 | 1216.2 | 1212.5 | 1212.5 | 1214.4 | 1210.7 | 1203.4 | 1190.5 | 1192.3 | 1183.1 | 1159.3 |
| 7.5° | 1216.2 | 1210.7 | 1219.9 | 1229.1 | 1245.6 | 1254.8 | 1258.5 | 1251.1 | 1254.8 | 1236.4 | 1205.2 |
| 10° | 1144.6 | 1140.9 | 1164.8 | 1199.7 | 1247.4 | 1289.7 | 1317.3 | 1319.1 | 1324.6 | 1306.2 | 1269.5 |
| 12.5° | 992.1 | 984.7 | 1032.5 | 1098.6 | 1196.0 | 1293.4 | 1370.5 | 1399.9 | 1412.8 | 1405.4 | 1354.0 |
| 15° | 850.6 | 859.8 | 892.9 | 964.5 | 1095.0 | 1243.8 | 1399.9 | 1497.3 | 1515.7 | 1524.9 | 1464.2 |
| 17.5° | 835.9 | 837.8 | 848.8 | 883.7 | 982.9 | 1162.9 | 1403.6 | 1598.3 | 1624.1 | 1664.5 | 1581.8 |
| 20° | 876.3 | 872.7 | 883.7 | 894.7 | 942.5 | 1091.3 | 1368.7 | 1695.7 | 1745.3 | 1831.7 | 1741.6 |
| 22.5° | 951.7 | 951.7 | 957.2 | 964.5 | 988.4 | 1085.8 | 1354.0 | 1785.7 | 1870.2 | 2046.6 | 1941.9 |
| 25° | 1078.4 | 1063.7 | 1067.4 | 1058.2 | 1078.4 | 1151.9 | 1387.1 | 1857.4 | 1973.1 | 2285.5 | 2180.7 |
| 27.5° | 1275.0 | 1280.5 | 1247.4 | 1197.8 | 1208.9 | 1271.3 | 1467.9 | 1938.2 | 2079.7 | 2533.5 | 2423.2 |
| 30° | 1546.9 | 1537.7 | 1517.5 | 1420.1 | 1376.0 | 1431.2 | 1616.7 | 2070.5 | 2223.0 | 2847.6 | 2746.6 |
| 32.5° | 1760.0 | 1785.7 | 1750.8 | 1682.9 | 1614.9 | 1631.4 | 1826.2 | 2283.6 | 2397.5 | 3136.1 | 3080.9 |
| 35° | 2017.2 | 2017.2 | 2024.6 | 1929.0 | 1883.1 | 1879.4 | 2088.9 | 2515.1 | 2629.0 | 3396.9 | 3435.5 |
| 37.5° | 2364.4 | 2340.6 | 2300.1 | 2193.6 | 2158.7 | 2204.6 | 2335.1 | 2753.9 | 2877.0 | 3608.2 | 3711.1 |
| 40° | 2656.6 | 2673.1 | 2667.6 | 2513.3 | 2445.3 | 2494.9 | 2610.6 | 2957.9 | 3053.4 | 3744.2 | 3933.4 |
| 42.5° | 2943.2 | 2952.3 | 2928.5 | 2855.0 | 2755.8 | 2759.4 | 2855.0 | 3112.2 | 3209.6 | 3874.6 | 4142.8 |
| 45° | 3158.1 | 3156.3 | 3139.7 | 3121.4 | 3062.6 | 3002.0 | 3018.5 | 3283.0 | 3367.5 | 3916.9 | 4256.7 |
| 47.5° | 3226.1 | 3240.8 | 3255.5 | 3306.9 | 3347.3 | 3251.8 | 3167.3 | 3374.9 | 3452.1 | 3909.5 | 4299.0 |
| 50° | 3163.6 | 3194.9 | 3266.5 | 3343.7 | 3481.5 | 3474.1 | 3292.2 | 3474.1 | 3549.4 | 3949.9 | 4348.6 |
| 52.5° | 3024.0 | 3055.2 | 3150.8 | 3290.4 | 3498.0 | 3600.9 | 3523.7 | 3641.3 | 3729.5 | 4052.8 | 4451.5 |
| 55° | 2698.8 | 2711.7 | 2908.3 | 3092.0 | 3415.3 | 3545.8 | 3771.7 | 3924.2 | 3997.7 | 4177.7 | 4587.4 |
| 57.5° | 2197.3 | 2228.5 | 2421.4 | 2720.9 | 3183.8 | 3400.6 | 3913.2 | 4407.4 | 4405.6 | 4297.2 | 4616.8 |
| 60° | *1445.9* | *1537.7* | *1851.9* | *2182.6* | *2735.6* | *3115.9* | *3904.0* | *4973.2* | *5030.2* | *4179.6* | *4262.3* |
| 62.5° | 1104.1 | 1142.7 | 1320.9 | 1596.5 | 2024.6 | 2583.1 | 3843.4 | 5142.3 | 5186.4 | 3863.6 | 3731.3 |
| 65° | 830.4 | 878.2 | 1049.0 | 1295.2 | 1429.3 | 1750.8 | 3446.5 | 4469.9 | 4530.5 | 3448.4 | 2900.9 |
| 67.5° | 508.9 | 547.5 | 775.3 | 1063.7 | 1082.1 | 1087.6 | 2325.9 | 3385.9 | 3408.0 | 2781.5 | 1952.9 |
| 70° | 339.9 | 378.5 | 536.5 | 817.5 | 861.6 | 626.5 | 1276.8 | 2562.9 | 2561.0 | 1903.3 | 1186.8 |
| 72.5° | 196.6 | 214.9 | 339.9 | 602.6 | 677.9 | 398.7 | 637.5 | 1629.6 | 1557.9 | 894.7 | 554.8 |
| 75° | 112.1 | 124.9 | 187.4 | 387.6 | 475.8 | 253.5 | 251.7 | 872.7 | 771.6 | 461.1 | 303.1 |
| 77.5° | 68.0 | 73.5 | 102.9 | 253.5 | 286.6 | 170.9 | 139.6 | 406.0 | 391.3 | 270.1 | 159.8 |
| 80° | 33.1 | 38.6 | 62.5 | 148.8 | 183.7 | 91.9 | 84.5 | 159.8 | 170.9 | 148.8 | 84.5 |
| 82.5° | 11.0 | 14.7 | 34.9 | 57.0 | 119.4 | 36.7 | 34.9 | 88.2 | 93.7 | 88.2 | 40.4 |
| 85° | 5.5 | 7.3 | 16.5 | 18.4 | 45.9 | 18.4 | 12.9 | 38.6 | 47.8 | 29.4 | 16.5 |
| 87.5° | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.7 | 3.7 | 3.7 | 3.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 |
| 2.5° | 1128.0 | 1124.4 | 1117.0 | 1104.1 | 1102.3 | 1093.1 | 1078.4 | 1069.2 | 1061.9 | 1067.4 | 1069.2 |
| 5° | 1148.2 | 1139.1 | 1117.0 | 1082.1 | 1045.4 | 1008.6 | 973.7 | 933.3 | 905.7 | 902.1 | 894.7 |
| 7.5° | 1185.0 | 1166.6 | 1118.8 | 1050.9 | 957.2 | 869.0 | 766.1 | 666.9 | 617.3 | 609.9 | 593.4 |
| 10° | 1243.8 | 1212.5 | 1133.5 | 995.8 | 815.7 | 632.0 | 475.8 | 369.3 | 308.6 | 297.6 | 301.3 |
| 12.5° | 1313.6 | 1269.5 | 1135.4 | 902.1 | 621.0 | 391.3 | 270.1 | 229.6 | 216.8 | 211.3 | 211.3 |
| 15° | 1403.6 | 1339.3 | 1133.5 | 780.8 | 418.9 | 251.7 | 216.8 | 200.3 | 194.7 | 191.1 | 191.1 |
| 17.5° | 1517.5 | 1433.0 | 1120.7 | 598.9 | 282.9 | 218.6 | 198.4 | 185.6 | 178.2 | 176.4 | 176.4 |
| 20° | 1651.6 | 1537.7 | 1091.3 | 446.4 | 237.0 | 203.9 | 187.4 | 170.9 | 165.3 | 161.7 | 161.7 |
| 22.5° | 1822.5 | 1664.5 | 1034.3 | 347.2 | 224.1 | 194.7 | 176.4 | 158.0 | 152.5 | 148.8 | 148.8 |
| 25° | 2020.9 | 1826.2 | 959.0 | 312.3 | 222.3 | 187.4 | 165.3 | 147.0 | 141.5 | 139.6 | 137.8 |
| 27.5° | 2256.1 | 1998.9 | 889.2 | 314.2 | 226.0 | 181.9 | 154.3 | 137.8 | 132.3 | 126.8 | 128.6 |
| 30° | 2533.5 | 2177.1 | 832.2 | 336.2 | 229.6 | 176.4 | 147.0 | 132.3 | 126.8 | 119.4 | 119.4 |
| 32.5° | 2807.2 | 2386.5 | 826.7 | 376.6 | 242.5 | 172.7 | 139.6 | 124.9 | 119.4 | 113.9 | 113.9 |
| 35° | 3088.3 | 2577.6 | 858.0 | 429.9 | 268.2 | 167.2 | 130.4 | 117.6 | 112.1 | 108.4 | 106.6 |
| 37.5° | 3356.5 | 2730.0 | 887.4 | 463.0 | 253.5 | 143.3 | 119.4 | 108.4 | 102.9 | 95.5 | 95.5 |
| 40° | 3534.7 | 2812.7 | 892.9 | 437.2 | 209.4 | 128.6 | 108.4 | 97.4 | 90.0 | 86.3 | 84.5 |
| 42.5° | 3665.2 | 2866.0 | 830.4 | 354.6 | 181.9 | 117.6 | 99.2 | 88.2 | 82.7 | 79.0 | 79.0 |
| 45° | 3718.5 | 2847.6 | 723.8 | 270.1 | 167.2 | 108.4 | 90.0 | 80.8 | 77.2 | 73.5 | 73.5 |
| 47.5° | 3711.1 | 2763.1 | 615.5 | 216.8 | 152.5 | 99.2 | 84.5 | 77.2 | 73.5 | 69.8 | 68.0 |
| 50° | 3698.2 | 2684.1 | 505.2 | 192.9 | 136.0 | 93.7 | 79.0 | 73.5 | 68.0 | 64.3 | 62.5 |
| 52.5° | 3782.8 | 2658.4 | 418.9 | 176.4 | 126.8 | 90.0 | 77.2 | 69.8 | 64.3 | 60.6 | 60.6 |
| 55° | 3867.3 | 2669.4 | 328.9 | 165.3 | 117.6 | 88.2 | 75.3 | 68.0 | 62.5 | 57.0 | 57.0 |
| 57.5° | 3861.8 | 2621.7 | 249.9 | 154.3 | 110.2 | 86.3 | 73.5 | 66.1 | 57.0 | 53.3 | 53.3 |
| 60° | *3510.8* | *2338.7* | *194.7* | *141.5* | *101.0* | *80.8* | *68.0* | *62.5* | *53.3* | *47.8* | *47.8* |
| 62.5° | 2968.9 | 1839.0 | 159.8 | 124.9 | 90.0 | 73.5 | 62.5 | 57.0 | 47.8 | 38.6 | 38.6 |
| 65° | 2193.6 | 1326.4 | 128.6 | 108.4 | 82.7 | 64.3 | 57.0 | 49.6 | 38.6 | 31.2 | 29.4 |
| 67.5° | 1484.4 | 815.7 | 102.9 | 90.0 | 73.5 | 55.1 | 47.8 | 42.3 | 34.9 | 25.7 | 23.9 |
| 70° | 880.0 | 433.6 | 75.3 | 62.5 | 55.1 | 40.4 | 40.4 | 36.7 | 29.4 | 22.0 | 20.2 |
| 72.5° | 418.9 | 150.6 | 55.1 | 45.9 | 42.3 | 29.4 | 31.2 | 31.2 | 23.9 | 16.5 | 14.7 |
| 75° | 213.1 | 73.5 | 36.7 | 33.1 | 27.6 | 22.0 | 25.7 | 23.9 | 16.5 | 11.0 | 11.0 |
| 77.5° | 121.3 | 51.4 | 25.7 | 22.0 | 18.4 | 14.7 | 16.5 | 14.7 | 9.2 | 5.5 | 5.5 |
| 80° | 68.0 | 36.7 | 16.5 | 14.7 | 11.0 | 9.2 | 9.2 | 7.3 | 5.5 | 1.8 | 1.8 |
| 82.5° | 25.7 | 22.0 | 11.0 | 7.3 | 5.5 | 5.5 | 3.7 | 3.7 | 1.8 | 0.0 | 0.0 |
| 85° | 11.0 | 5.5 | 5.5 | 3.7 | 3.7 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 |
| 2.5° | 1054.5 | 1058.2 | 1061.9 | 1076.6 | 1080.3 | 1091.3 | 1100.5 | 1111.5 | 1113.3 | 1128.0 | 1128.0 |
| 5° | 909.4 | 907.6 | 938.8 | 984.7 | 1014.1 | 1054.5 | 1085.8 | 1118.8 | 1137.2 | 1161.1 | 1172.1 |
| 7.5° | 602.6 | 648.5 | 718.3 | 799.2 | 903.9 | 1001.3 | 1074.7 | 1139.1 | 1183.1 | 1210.7 | 1221.7 |
| 10° | 299.5 | 325.2 | 398.7 | 530.9 | 709.2 | 907.6 | 1063.7 | 1183.1 | 1254.8 | 1286.0 | 1306.2 |
| 12.5° | 211.3 | 216.8 | 229.6 | 301.3 | 472.2 | 753.2 | 1028.8 | 1230.9 | 1330.1 | 1388.9 | 1414.6 |
| 15° | 189.2 | 192.9 | 198.4 | 218.6 | 292.1 | 562.2 | 966.4 | 1284.2 | 1447.7 | 1515.7 | 1548.7 |
| 17.5° | 174.5 | 176.4 | 181.9 | 198.4 | 229.6 | 382.1 | 865.3 | 1341.1 | 1589.2 | 1671.8 | 1734.3 |
| 20° | 161.7 | 161.7 | 167.2 | 187.4 | 213.1 | 293.9 | 720.2 | 1405.4 | 1769.2 | 1888.6 | 1951.1 |
| 22.5° | 147.0 | 150.6 | 154.3 | 176.4 | 207.6 | 268.2 | 584.2 | 1455.0 | 1969.5 | 2114.6 | 2188.1 |
| 25° | 136.0 | 139.6 | 143.3 | 165.3 | 202.1 | 268.2 | 505.2 | 1486.3 | 2193.6 | 2366.3 | 2467.3 |
| 27.5° | 126.8 | 130.4 | 136.0 | 158.0 | 196.6 | 279.3 | 474.0 | 1495.5 | 2437.9 | 2662.1 | 2798.0 |
| 30° | 119.4 | 123.1 | 128.6 | 152.5 | 200.3 | 292.1 | 485.0 | 1482.6 | 2686.0 | 2967.0 | 3128.7 |
| 32.5° | 112.1 | 115.7 | 121.3 | 147.0 | 200.3 | 308.6 | 521.8 | 1456.9 | 2926.6 | 3272.0 | 3470.4 |
| 35° | 106.6 | 108.4 | 110.2 | 132.3 | 181.9 | 306.8 | 567.7 | 1431.2 | 3169.1 | 3573.3 | 3804.8 |
| 37.5° | 95.5 | 97.4 | 101.0 | 113.9 | 145.1 | 279.3 | 576.9 | 1399.9 | 3360.2 | 3826.8 | 4082.2 |
| 40° | 84.5 | 88.2 | 91.9 | 104.7 | 121.3 | 226.0 | 536.5 | 1333.8 | 3461.2 | 4021.6 | 4332.1 |
| 42.5° | 77.2 | 79.0 | 82.7 | 95.5 | 112.1 | 180.0 | 450.1 | 1218.0 | 3551.3 | 4153.9 | 4513.9 |
| 45° | 71.6 | 73.5 | 77.2 | 86.3 | 104.7 | 156.2 | 354.6 | 1076.6 | 3558.6 | 4196.1 | 4602.1 |
| 47.5° | 66.1 | 68.0 | 69.8 | 79.0 | 101.0 | 139.6 | 271.9 | 948.0 | 3556.8 | 4251.2 | 4677.5 |
| 50° | 62.5 | 64.3 | 68.0 | 75.3 | 95.5 | 124.9 | 224.1 | 843.3 | 3633.9 | 4370.6 | 4829.9 |
| 52.5° | 60.6 | 60.6 | 66.1 | 73.5 | 90.0 | 113.9 | 187.4 | 749.6 | 3674.4 | 4488.2 | 4940.2 |
| 55° | 57.0 | 58.8 | 62.5 | 69.8 | 84.5 | 108.4 | 159.8 | 632.0 | 3692.7 | 4547.0 | 4960.4 |
| 57.5° | 53.3 | 55.1 | 60.6 | 66.1 | 80.8 | 102.9 | 137.8 | 472.2 | 3430.0 | 4240.2 | 4622.3 |
| 60° | *47.8* | *51.4* | *58.8* | *64.3* | *75.3* | *93.7* | *121.3* | *319.7* | *2893.6* | *3685.4* | *4005.1* |
| 62.5° | 38.6 | 45.9 | 53.3 | 57.0 | 68.0 | 79.0 | 102.9 | 213.1 | 2311.2 | 3049.7 | 3413.5 |
| 65° | 29.4 | 38.6 | 44.1 | 49.6 | 57.0 | 66.1 | 86.3 | 145.1 | 1541.4 | 2052.1 | 2461.8 |
| 67.5° | 25.7 | 33.1 | 36.7 | 40.4 | 47.8 | 57.0 | 69.8 | 101.0 | 935.1 | 1232.7 | 1636.9 |
| 70° | 20.2 | 27.6 | 31.2 | 29.4 | 36.7 | 44.1 | 49.6 | 68.0 | 477.7 | 668.7 | 931.4 |
| 72.5° | 14.7 | 22.0 | 23.9 | 23.9 | 22.0 | 31.2 | 36.7 | 47.8 | 207.6 | 325.2 | 422.6 |
| 75° | 11.0 | 14.7 | 16.5 | 14.7 | 12.9 | 20.2 | 25.7 | 31.2 | 136.0 | 194.7 | 246.2 |
| 77.5° | 5.5 | 5.5 | 9.2 | 9.2 | 5.5 | 11.0 | 12.9 | 18.4 | 77.2 | 113.9 | 141.5 |
| 80° | 1.8 | 0.0 | 0.0 | 1.8 | 0.0 | 3.7 | 5.5 | 9.2 | 40.4 | 60.6 | 88.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 20.2 | 18.4 | 45.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 11.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P1501880
CATALOG NUMBER: GSS-SB1D-827-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1124.4 | *1124.4* | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 | 1124.4 |
| 2.5° | 1137.2 | *1137.2* | 1144.6 | 1155.6 | 1161.1 | 1164.8 | 1166.6 | 1170.3 | 1185.0 | 1181.3 |
| 5° | 1185.0 | *1188.7* | 1194.2 | 1205.2 | 1218.0 | 1214.4 | 1214.4 | 1214.4 | 1223.6 | 1216.2 |
| 7.5° | 1247.4 | *1258.5* | 1260.3 | 1273.2 | 1264.0 | 1245.6 | 1234.6 | 1218.0 | 1216.2 | 1216.2 |
| 10° | 1348.5 | *1344.8* | 1344.8 | 1328.3 | 1295.2 | 1241.9 | 1194.2 | 1161.1 | 1142.7 | 1144.6 |
| 12.5° | 1456.9 | *1442.2* | 1444.0 | 1383.4 | 1289.7 | 1172.1 | 1074.7 | 1003.1 | 997.6 | 992.1 |
| 15° | 1591.0 | *1552.4* | 1545.1 | 1405.4 | 1207.0 | 1027.0 | 931.4 | 874.5 | 856.1 | 850.6 |
| 17.5° | 1782.1 | *1684.7* | 1649.8 | 1366.9 | 1098.6 | 937.0 | 865.3 | 839.6 | 837.8 | 835.9 |
| 20° | 1984.2 | *1791.2* | 1725.1 | 1309.9 | 1061.9 | 938.8 | 885.5 | 878.2 | 874.5 | 876.3 |
| 22.5° | 2219.3 | *1859.2* | 1774.7 | 1319.1 | 1095.0 | 999.4 | 957.2 | 951.7 | 948.0 | 951.7 |
| 25° | 2461.8 | *1938.2* | 1833.5 | 1392.6 | 1194.2 | 1111.5 | 1061.9 | 1050.9 | 1061.9 | 1078.4 |
| 27.5° | 2706.2 | *2044.8* | 1949.2 | 1537.7 | 1354.0 | 1264.0 | 1216.2 | 1256.6 | 1273.2 | 1275.0 |
| 30° | 2923.0 | *2193.6* | 2105.4 | 1741.6 | 1535.9 | 1445.9 | 1455.0 | 1506.5 | 1526.7 | 1546.9 |
| 32.5° | 3121.4 | *2392.0* | 2324.0 | 1973.1 | 1771.0 | 1717.8 | 1712.3 | 1750.8 | 1772.9 | 1760.0 |
| 35° | 3321.6 | *2651.0* | 2584.9 | 2224.8 | 2059.5 | 2015.4 | 1969.5 | 2044.8 | 2037.4 | 2017.2 |
| 37.5° | 3510.8 | *2911.9* | 2851.3 | 2494.9 | 2324.0 | 2246.9 | 2239.5 | 2307.5 | 2368.1 | 2364.4 |
| 40° | 3646.8 | *3123.2* | 3049.7 | 2763.1 | 2601.4 | 2535.3 | 2573.9 | 2691.5 | 2676.8 | 2656.6 |
| 42.5° | 3771.7 | *3303.2* | 3237.1 | 2998.3 | 2829.3 | 2858.7 | 2893.6 | 2972.6 | 2963.4 | 2943.2 |
| 45° | 3830.5 | *3457.6* | 3400.6 | 3176.5 | 3093.8 | 3187.5 | 3185.7 | 3215.1 | 3165.5 | 3158.1 |
| 47.5° | 3913.2 | *3567.8* | 3509.0 | 3336.3 | 3409.8 | 3448.4 | 3340.0 | 3308.8 | 3262.8 | 3226.1 |
| 50° | 4065.7 | *3738.7* | 3679.9 | 3578.8 | 3641.3 | 3521.9 | 3389.6 | 3321.6 | 3227.9 | 3163.6 |
| 52.5° | 4243.9 | *3997.7* | 3946.3 | 3905.8 | 3731.3 | 3485.1 | 3316.1 | 3193.0 | 3079.1 | 3024.0 |
| 55° | 4468.0 | *4379.8* | 4343.1 | 4120.8 | 3650.5 | 3334.5 | 3136.1 | 2906.4 | 2750.3 | 2698.8 |
| 57.5° | 4541.5 | *4940.2* | 4927.3 | 4155.7 | 3424.5 | 3060.7 | 2702.5 | 2392.0 | 2230.3 | 2197.3 |
| 60° | *4324.7* | *5379.3* | *5333.3* | *4096.9* | *3014.8* | *2483.9* | *2065.0* | *1747.2* | *1484.4* | *1445.9* |
| 62.5° | 4047.3 | *5043.1* | 5026.5 | 3801.1 | 2296.5 | 1780.2 | 1543.2 | 1245.6 | 1133.5 | 1104.1 |
| 65° | 3466.8 | *4126.3* | 4133.7 | 3049.7 | 1453.2 | 1278.7 | 1267.7 | 990.2 | 852.5 | 830.4 |
| 67.5° | 2669.4 | *3165.5* | 3114.0 | 1918.0 | 846.9 | 1023.3 | 1012.3 | 723.8 | 523.6 | 508.9 |
| 70° | 1559.8 | *2357.1* | 2274.4 | 997.6 | 560.3 | 854.3 | 779.0 | 508.9 | 356.4 | 339.9 |
| 72.5° | 688.9 | *1297.0* | 1392.6 | 439.1 | 395.0 | 679.8 | 562.2 | 312.3 | 200.3 | 196.6 |
| 75° | 382.1 | *643.0* | 672.4 | 191.1 | 277.4 | 483.2 | 339.9 | 174.5 | 113.9 | 112.1 |
| 77.5° | 229.6 | *284.8* | 277.4 | 123.1 | 207.6 | 308.6 | 205.8 | 99.2 | 71.6 | 68.0 |
| 80° | 128.6 | *130.4* | 110.2 | 90.0 | 123.1 | 172.7 | 115.7 | 62.5 | 33.1 | 33.1 |
| 82.5° | 79.0 | *71.6* | 57.0 | 27.6 | 33.1 | 104.7 | 42.3 | 34.9 | 11.0 | 11.0 |
| 85° | 33.1 | *22.0* | 14.7 | 5.5 | 12.9 | 27.6 | 14.7 | 16.5 | 5.5 | 5.5 |
| 87.5° | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-8

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

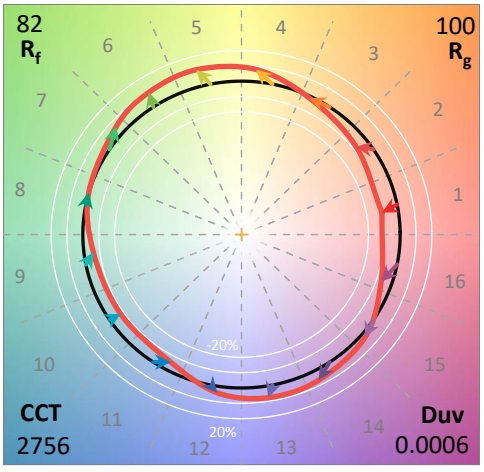
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-8 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-827-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

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

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




## Test Conditions

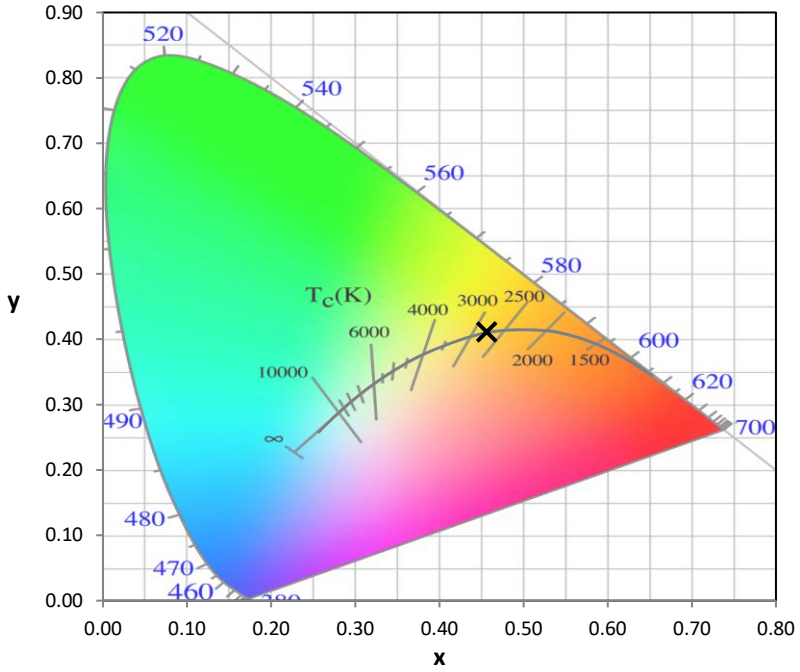
| | |
|---|---|
| Stabilization Time: | 29M |
| Operation Time: | 1H 29M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-8

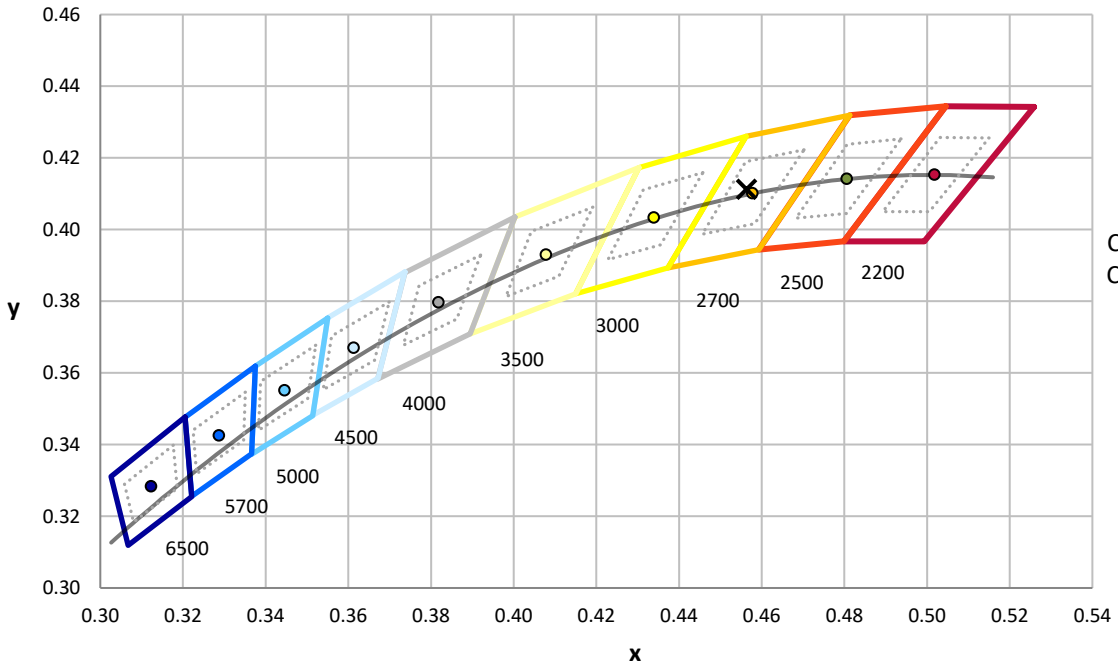
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

REPORT NUMBER: SP1-2407-184-8

## CIE 1931 Chromaticity Diagram




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

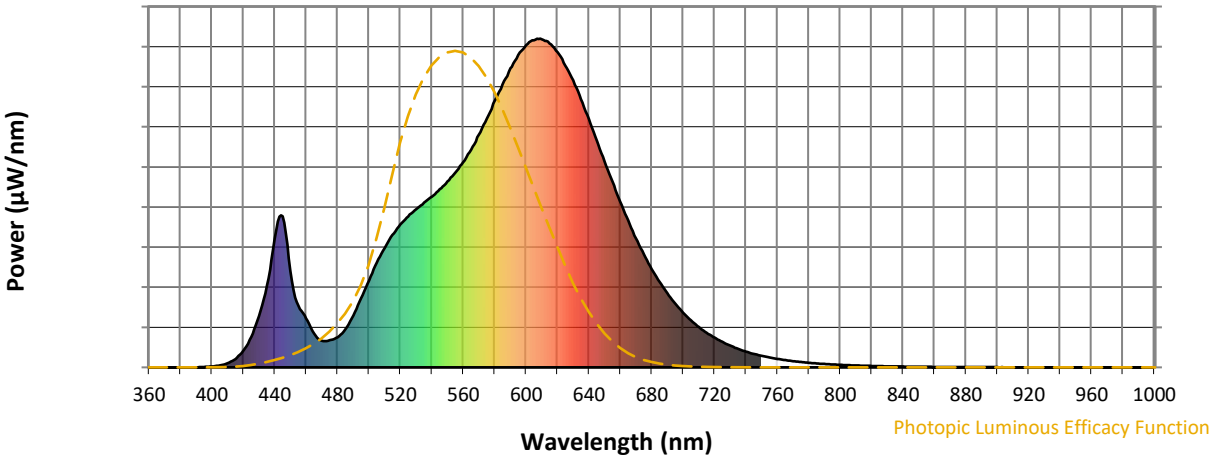



CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

## Photopic Flux vs. Wavelength

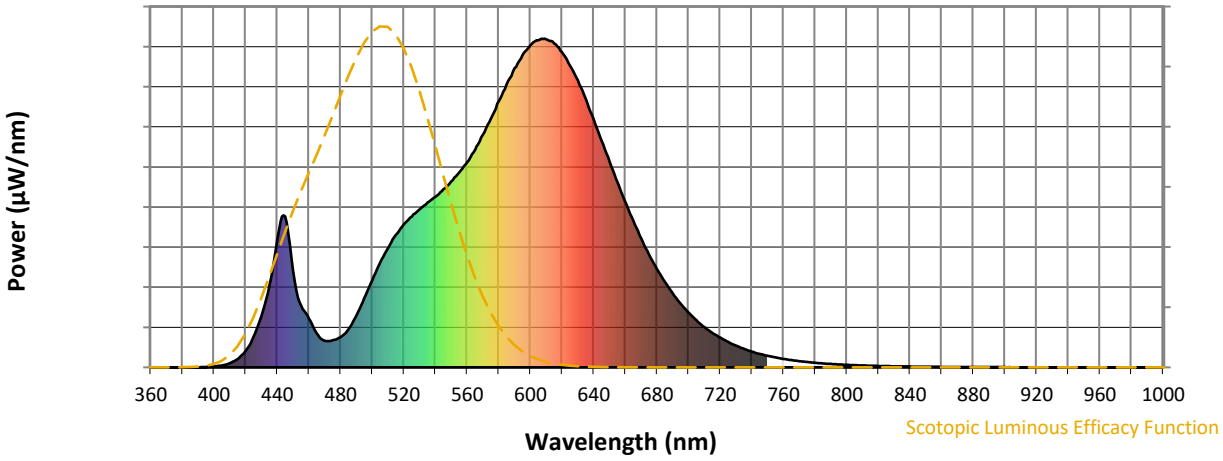



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Scotopic Flux vs. Wavelength

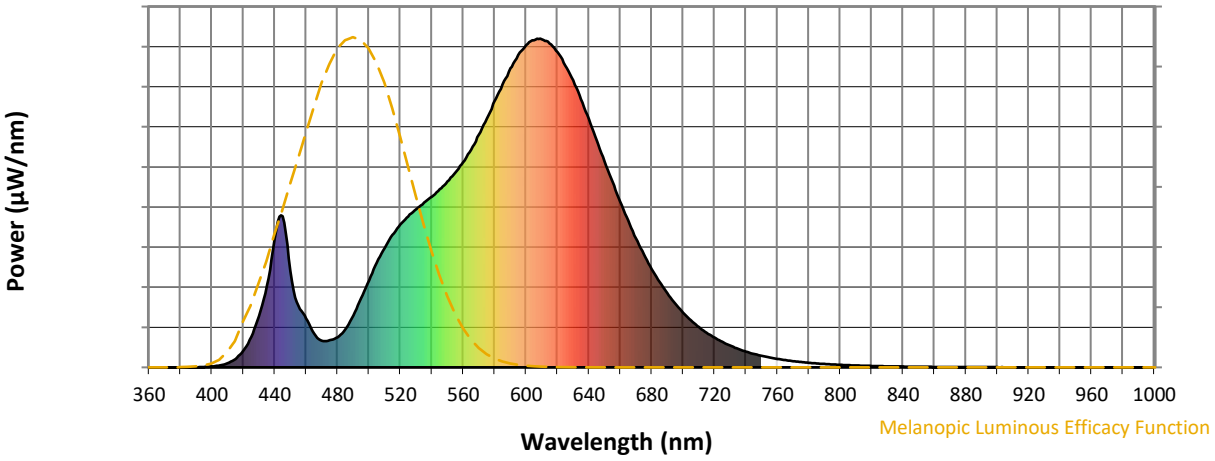



**Scotopic Lumens: NR** **S/P: 1.2**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Melanopic Flux vs. Wavelength




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

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

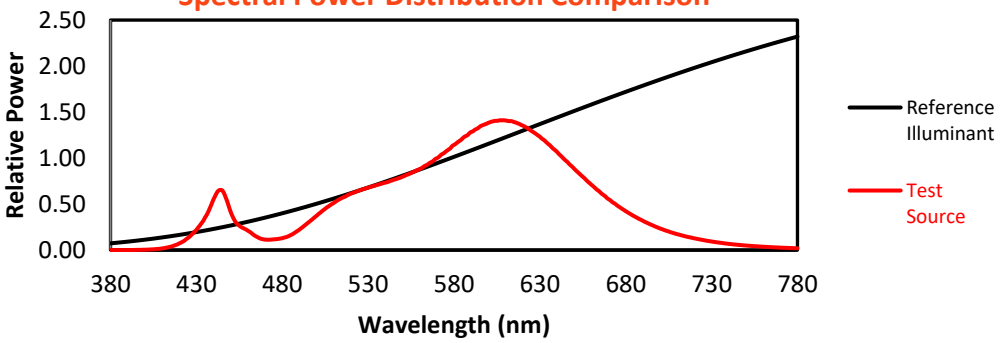
REPORT NUMBER: SP1-2407-184-8

# TM-30-18

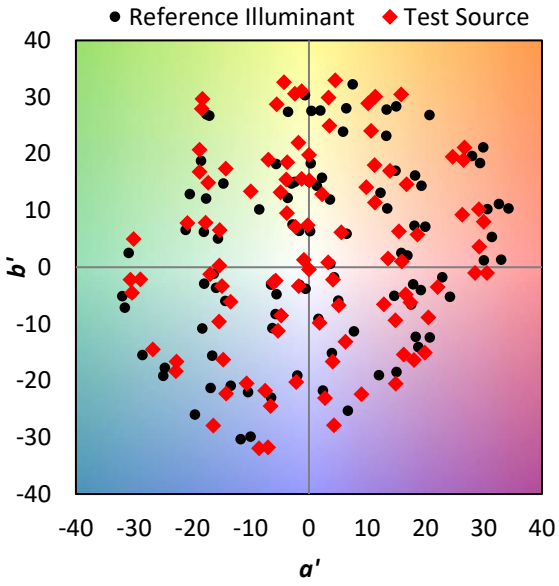
## Summary

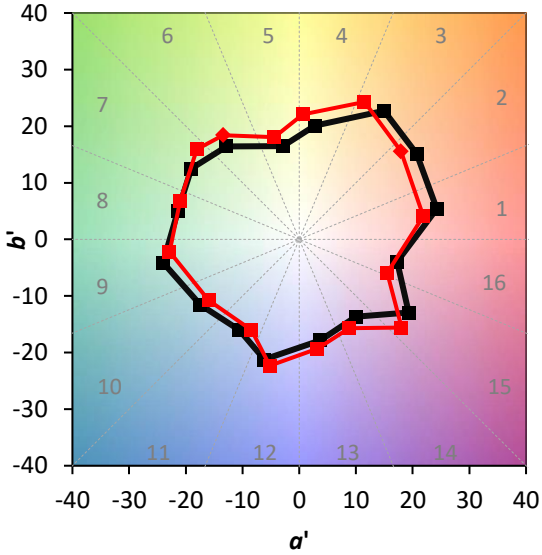
$R_f$ = 82.2
$R_g$ = 99.9
CIE $R_a$ = 82.9
$R_9$ = 10.8

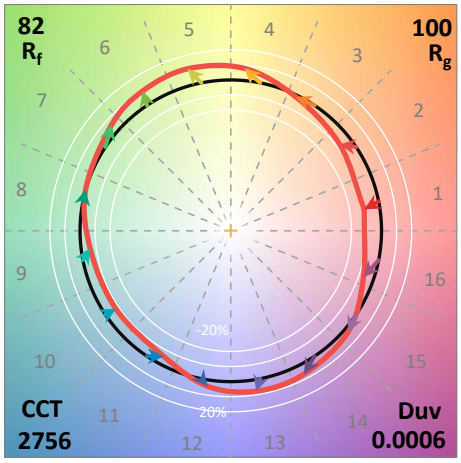
## Spectral Power Distribution Comparison

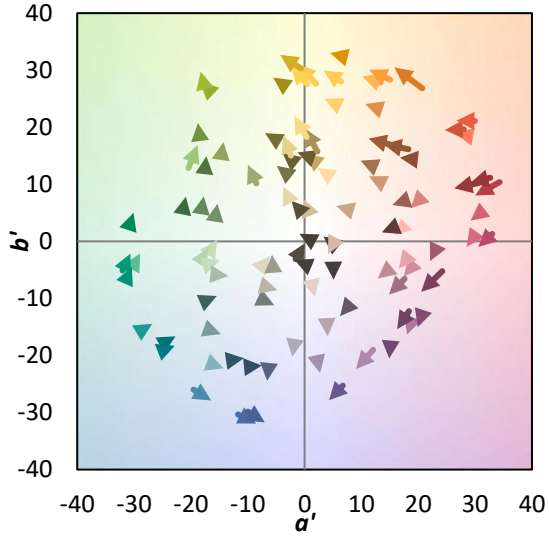



## Color Vector Graphics



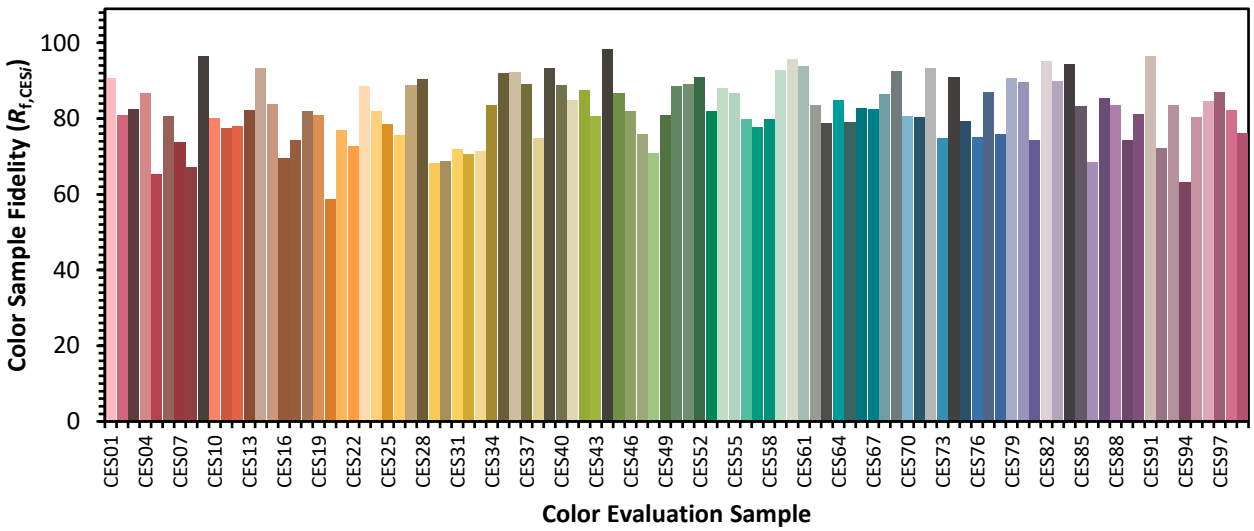



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

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

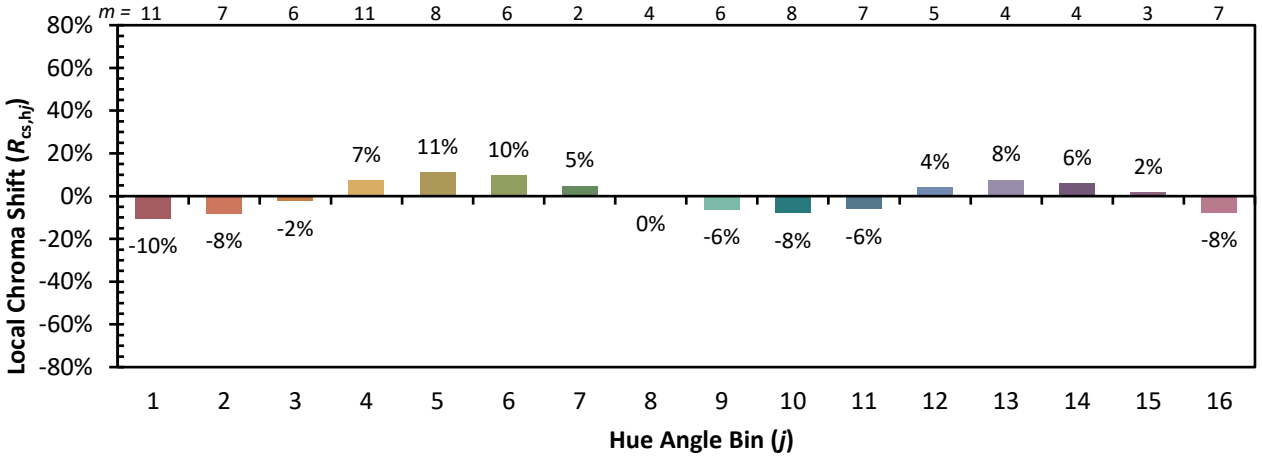
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 76 | CES51 = 89 | CES76 = 75 |
| CES02 = 63 | CES27 = 89 | CES52 = 91 | CES77 = 87 |
| CES03 = 31 | CES28 = 90 | CES53 = 82 | CES78 = 76 |
| CES04 = 71 | CES29 = 68 | CES54 = 88 | CES79 = 91 |
| CES05 = 50 | CES30 = 69 | CES55 = 87 | CES80 = 90 |
| CES06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

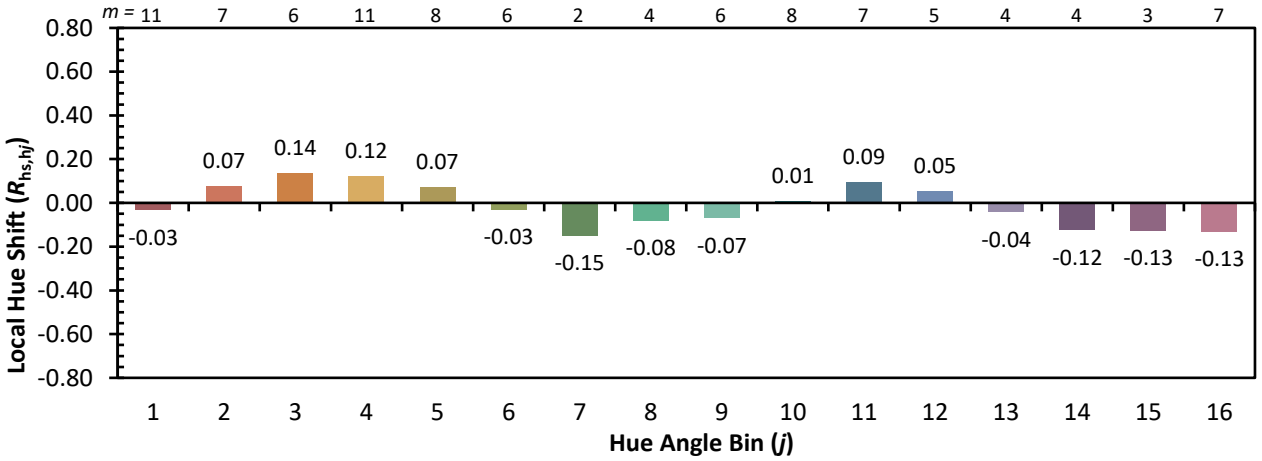


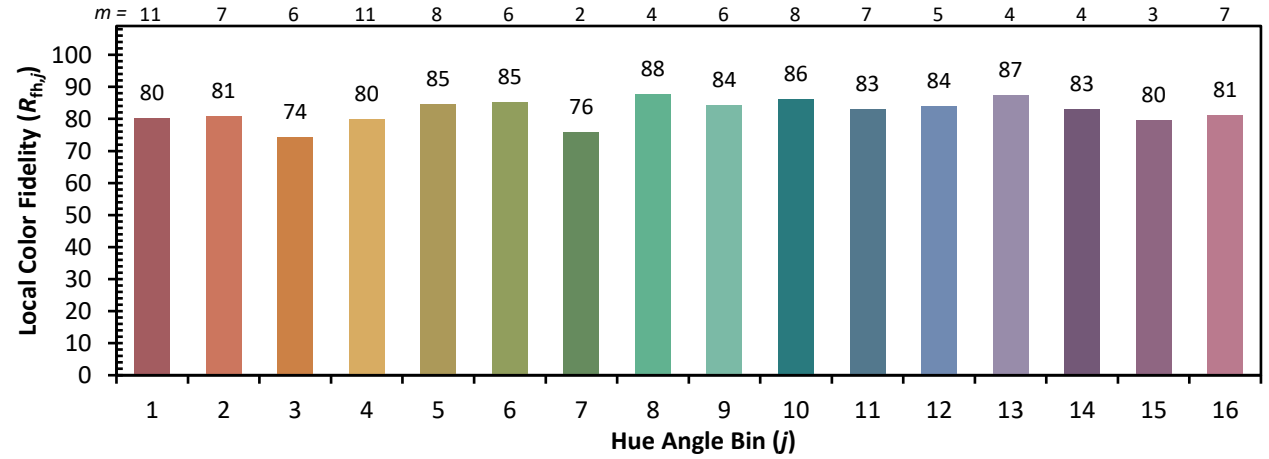
REPORT NUMBER: SP1-2407-184-8

**TM-30-18**

## Color Rendition by Hue-Angle Bin



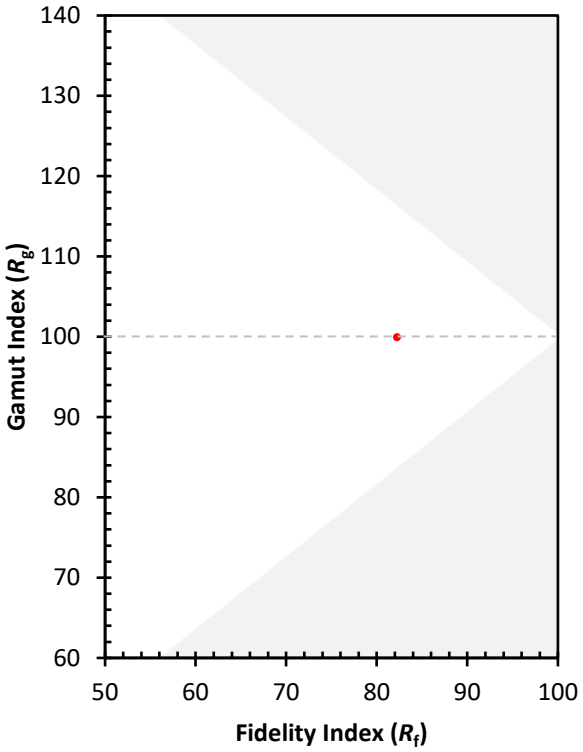



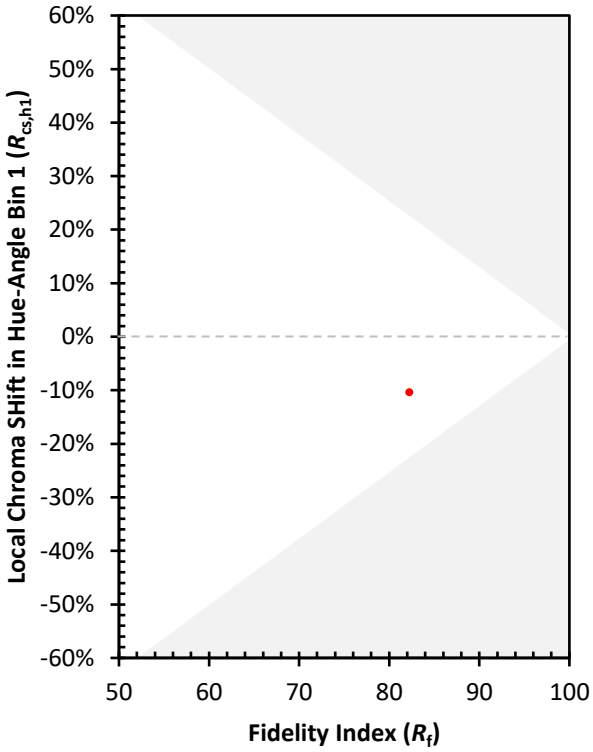



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

## Measure Comparisons




(END OF REPORT)