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: P1501352

Luminaire Tested: GSS-SB1D-722-U-T2LG

Issue Date: 07/20/2026

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501352 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB1D-722-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (26) 2200K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7658.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 100.8 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B2 - U0 - G1 |

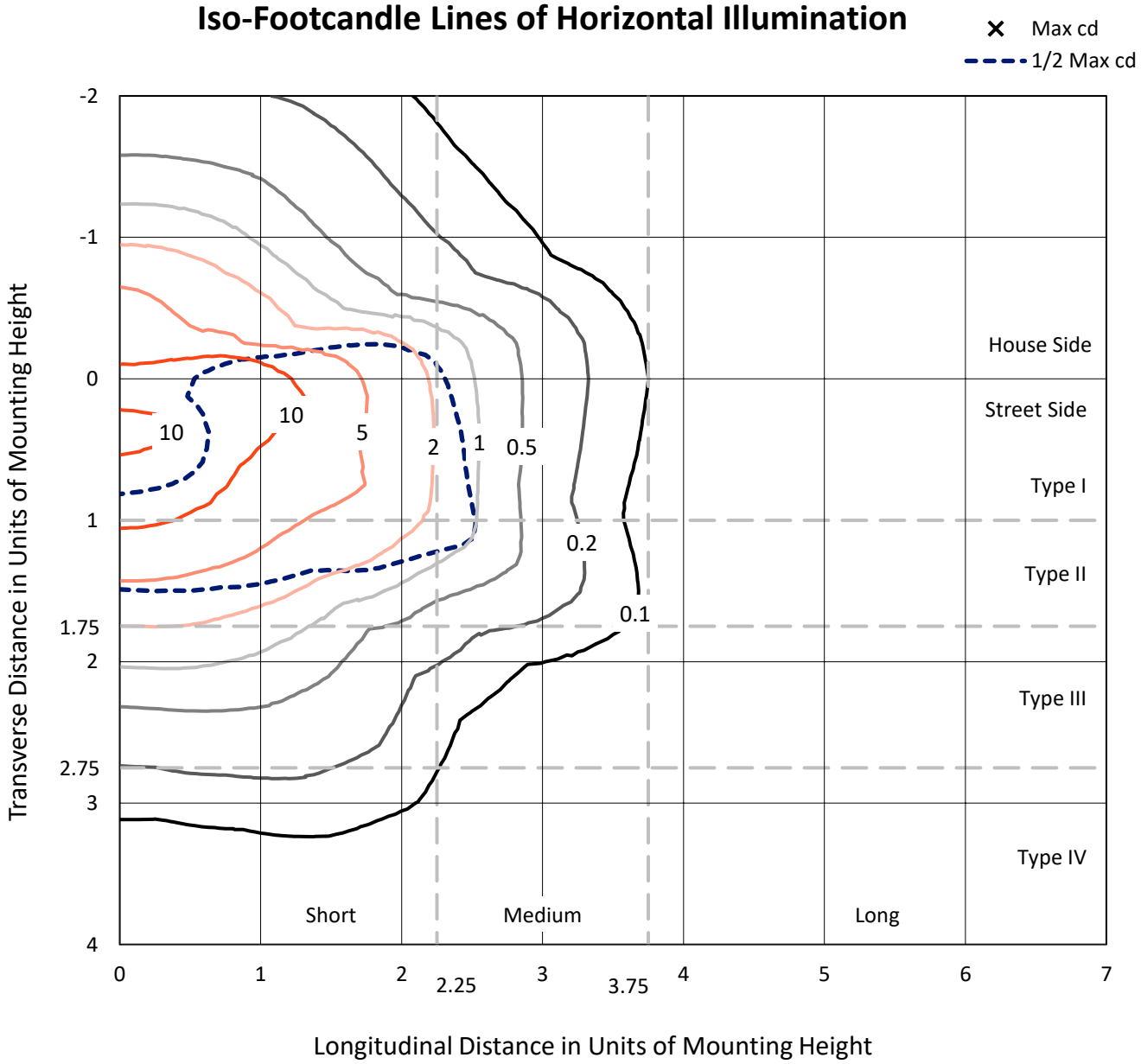
| | |
|---|---|
| Input Watts (W): | 76 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.7% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



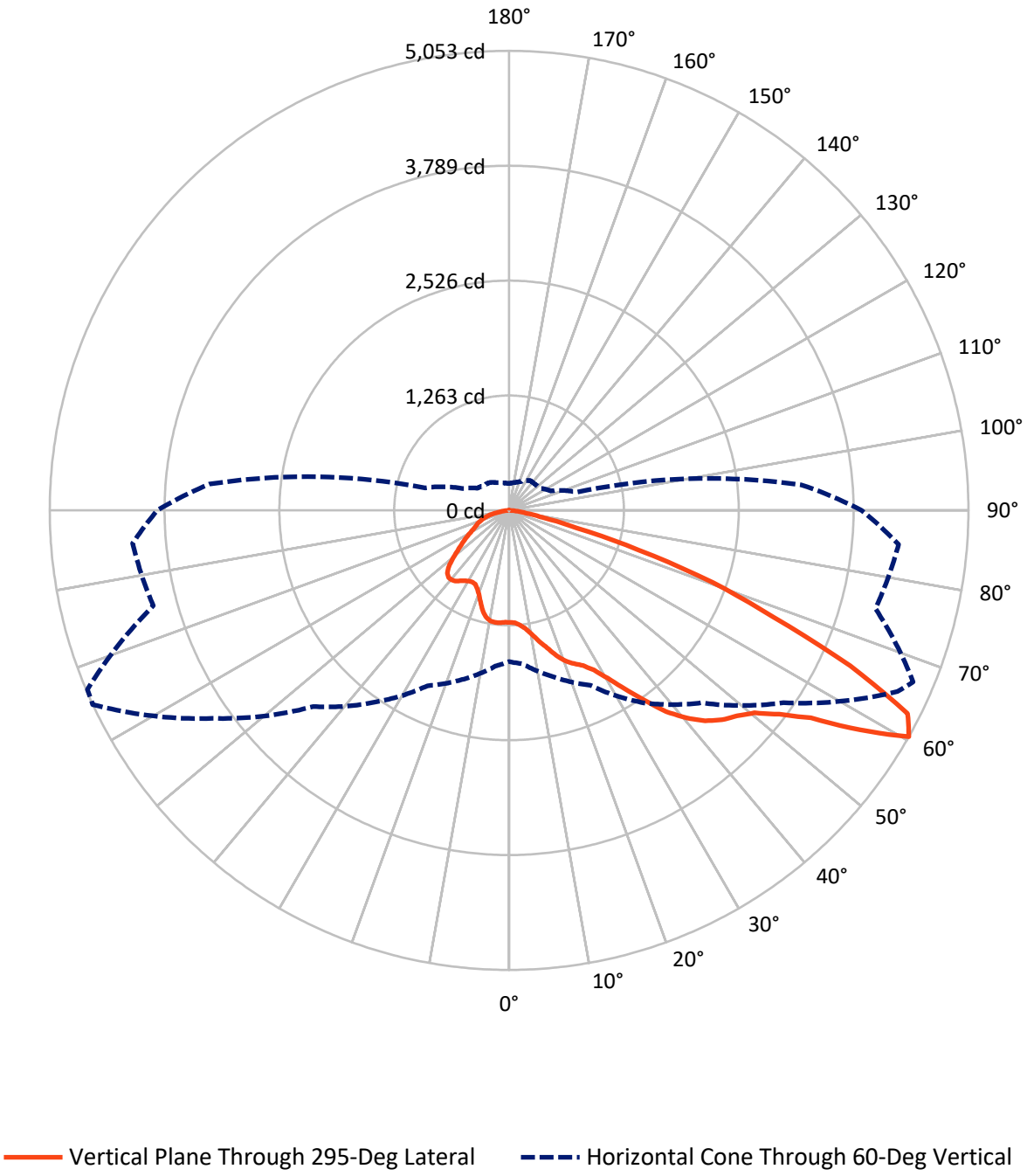

Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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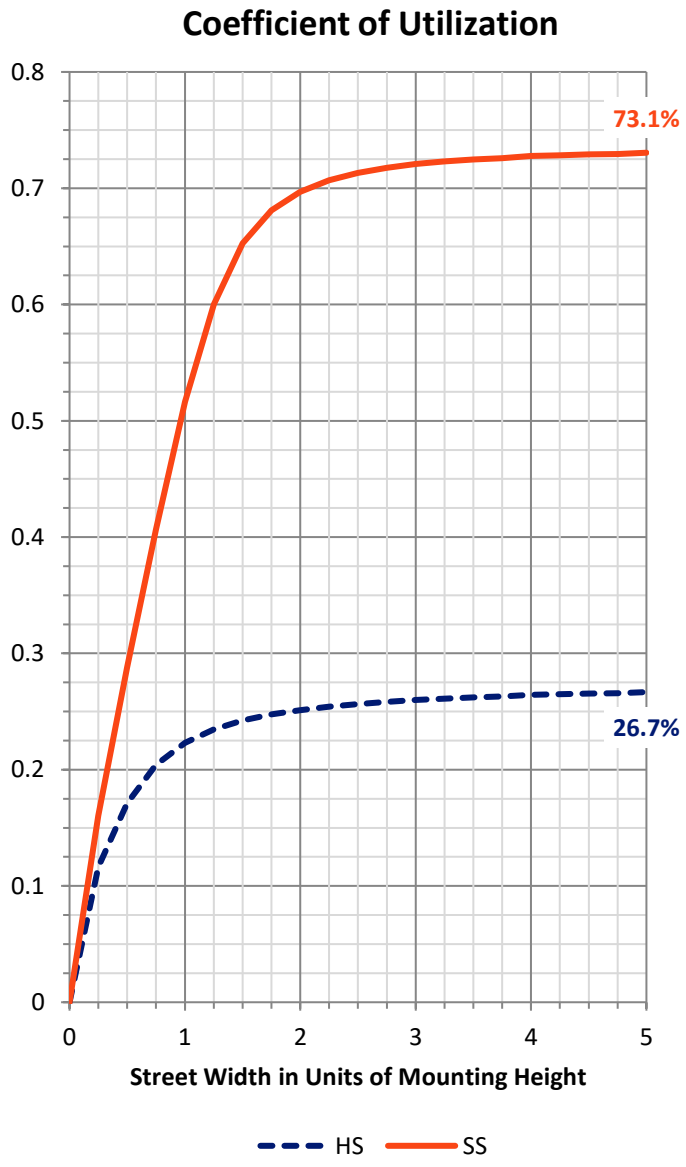
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2059.4 | 0.0 | 2059.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 5598.8 | 0.0 | 5598.8 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 7658.2 | 0.0 | 7658.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 115.9 | 1.5 |
| 10°-20° | 333.0 | 4.3 |
| 20°-30° | 630.8 | 8.2 |
| 30°-40° | 1112.1 | 14.5 |
| 40°-50° | 1644.7 | 21.5 |
| 50°-60° | 1931.3 | 25.2 |
| 60°-70° | 1399.3 | 18.3 |
| 70°-80° | 431.5 | 5.6 |
| 80°-90° | 59.4 | 0.8 |
| 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° | 7658.2 | 100.0 |
| 0°-180° | 7658.2 | 100.0 |



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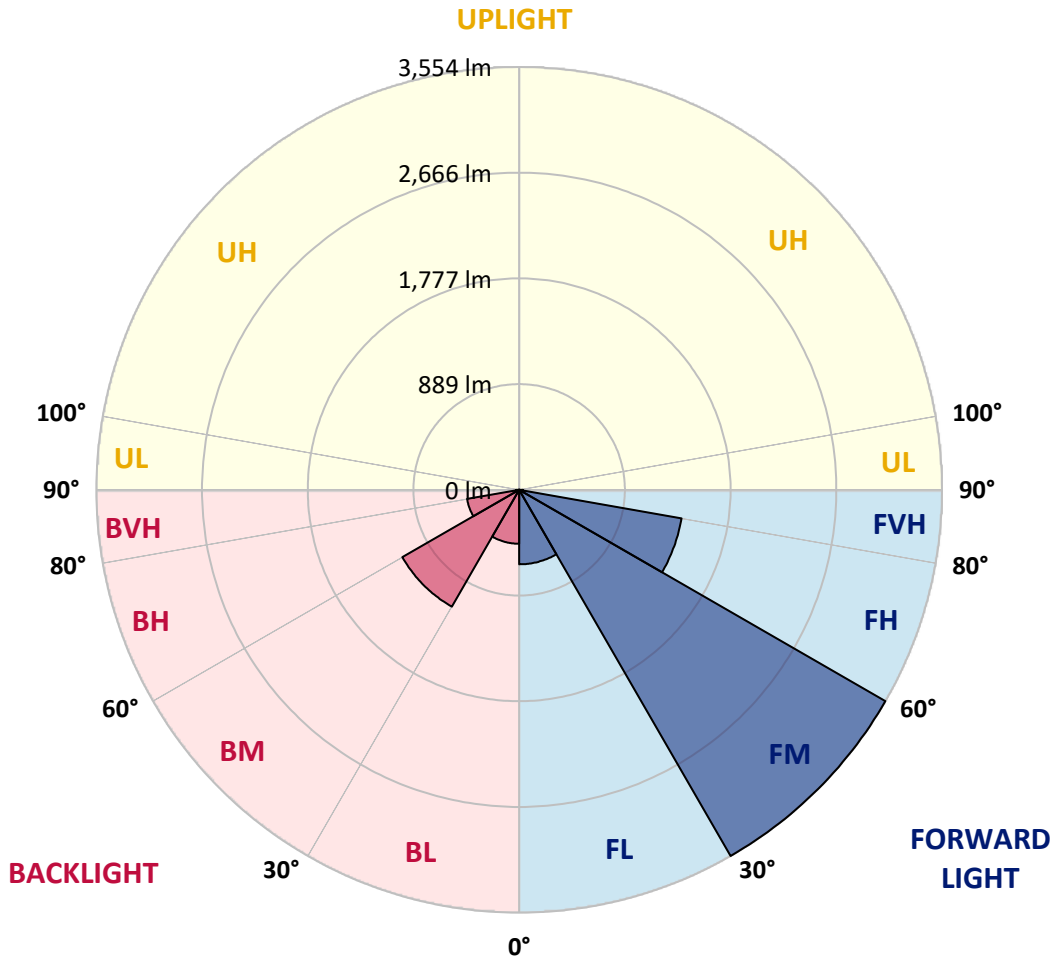
Scaled Data Report

REPORT NUMBER: P1501352
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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°) | 626.2 | 8.2 | | | |
| FM | (30°-60°) | 3554.2 | 46.4 | | | |
| FH | (60°-80°) | 1386.4 | 18.1 | | | G1/1800 |
| FVH | (80°-90°) | 32.0 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 453.5 | 5.9 | B1/500 | | |
| BM | (30°-60°) | 1134.0 | 14.8 | B2/2500 | | |
| BH | (60°-80°) | 444.5 | 5.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 27.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G1**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5° | 1256.6 | 1260.1 | 1254.9 | 1258.4 | 1258.4 | 1253.1 | 1251.4 | 1244.4 | 1247.9 | 1246.1 | 1244.4 |
| 5° | 1286.3 | 1288.0 | 1284.5 | 1289.8 | 1289.8 | 1291.5 | 1289.8 | 1281.0 | 1281.0 | 1281.0 | 1277.5 |
| 7.5° | 1277.5 | 1277.5 | 1279.3 | 1296.7 | 1314.2 | 1336.9 | 1336.9 | 1333.4 | 1336.9 | 1335.1 | 1319.4 |
| 10° | 1204.2 | 1211.2 | 1226.9 | 1270.6 | 1312.5 | 1361.3 | 1394.5 | 1405.0 | 1405.0 | 1406.7 | 1380.5 |
| 12.5° | 1073.4 | 1078.6 | 1115.2 | 1181.6 | 1268.8 | 1357.8 | 1438.1 | 1490.5 | 1495.7 | 1504.4 | 1469.5 |
| 15° | 956.4 | 959.9 | 986.1 | 1054.2 | 1153.6 | 1310.7 | 1462.6 | 1570.8 | 1588.2 | 1624.9 | 1572.5 |
| 17.5° | 966.9 | 965.1 | 972.1 | 998.3 | 1069.9 | 1233.9 | 1457.3 | 1665.0 | 1696.4 | 1761.0 | 1715.6 |
| 20° | 1029.7 | 1029.7 | 1035.0 | 1040.2 | 1066.4 | 1178.1 | 1418.9 | 1741.8 | 1802.9 | 1928.5 | 1876.2 |
| 22.5° | 1129.2 | 1129.2 | 1127.5 | 1136.2 | 1136.2 | 1202.5 | 1420.7 | 1799.4 | 1890.1 | 2115.3 | 2064.7 |
| 25° | 1267.1 | 1260.1 | 1260.1 | 1263.6 | 1247.9 | 1295.0 | 1464.3 | 1858.7 | 1977.4 | 2336.9 | 2293.3 |
| 27.5° | 1422.4 | 1427.6 | 1424.2 | 1411.9 | 1391.0 | 1427.6 | 1569.0 | 1951.2 | 2075.1 | 2570.8 | 2553.4 |
| 30° | 1591.7 | 1593.4 | 1596.9 | 1590.0 | 1572.5 | 1598.7 | 1733.1 | 2090.9 | 2204.3 | 2815.1 | 2853.5 |
| 32.5° | 1757.5 | 1781.9 | 1773.2 | 1755.8 | 1762.7 | 1809.9 | 1935.5 | 2279.3 | 2396.3 | 3042.0 | 3178.2 |
| 35° | 1968.7 | 1977.4 | 2012.3 | 1947.7 | 1949.5 | 2029.8 | 2193.8 | 2527.2 | 2640.6 | 3277.6 | 3502.8 |
| 37.5° | 2275.9 | 2291.6 | 2275.9 | 2174.6 | 2158.9 | 2270.6 | 2445.1 | 2771.5 | 2853.5 | 3455.7 | 3804.7 |
| 40° | 2577.8 | 2597.0 | 2623.2 | 2504.5 | 2405.0 | 2497.5 | 2682.5 | 2958.3 | 3043.8 | 3553.4 | 4005.4 |
| 42.5° | 2827.4 | 2858.8 | 2830.9 | 2795.9 | 2705.2 | 2722.6 | 2848.3 | 3103.1 | 3188.6 | 3677.3 | 4207.9 |
| 45° | 3038.5 | 3043.8 | 3056.0 | 3031.6 | 2986.2 | 2970.5 | 2989.7 | 3230.5 | 3324.8 | 3733.2 | 4307.4 |
| 47.5° | 3125.8 | 3148.5 | 3159.0 | 3200.9 | 3248.0 | 3216.6 | 3110.1 | 3289.9 | 3375.4 | 3729.7 | 4338.8 |
| 50° | 3078.7 | 3101.4 | 3157.2 | 3256.7 | 3370.1 | 3426.0 | 3251.5 | 3371.9 | 3467.9 | 3792.5 | 4403.4 |
| 52.5° | 2954.8 | 2979.2 | 3070.0 | 3183.4 | 3373.6 | 3501.0 | 3450.4 | 3542.9 | 3635.4 | 3904.2 | 4511.6 |
| 55° | 2654.6 | 2691.2 | 2818.6 | 3007.1 | 3268.9 | 3460.9 | 3659.9 | 3794.3 | 3895.5 | 4038.6 | 4623.3 |
| 57.5° | 2218.3 | 2256.7 | 2399.8 | 2682.5 | 3075.2 | 3295.1 | 3721.0 | 4265.5 | 4310.9 | 4199.2 | 4633.7 |
| 60° | *1661.5* | *1692.9* | *1895.4* | *2122.3* | *2583.0* | *2991.4* | *3686.0* | *4712.3* | *4827.5* | *4171.2* | *4300.4* |
| 62.5° | 1315.9 | 1354.3 | 1534.1 | 1638.8 | 1968.7 | 2471.3 | 3563.9 | 4836.2 | 4935.7 | 3940.9 | 3836.1 |
| 65° | 1028.0 | 1054.2 | 1221.7 | 1371.8 | 1452.1 | 1687.7 | 3054.3 | 4230.6 | 4319.6 | 3565.6 | 3166.0 |
| 67.5° | 678.9 | 719.1 | 918.0 | 1124.0 | 1165.9 | 1073.4 | 2101.3 | 3255.0 | 3296.8 | 2834.3 | 2380.6 |
| 70° | 486.9 | 506.1 | 654.5 | 874.4 | 937.2 | 719.1 | 1144.9 | 2464.3 | 2476.6 | 1902.4 | 1603.9 |
| 72.5° | 331.6 | 335.1 | 445.0 | 670.2 | 747.0 | 521.8 | 630.0 | 1623.1 | 1581.2 | 939.0 | 918.0 |
| 75° | 225.1 | 228.6 | 284.5 | 446.8 | 528.8 | 363.0 | 410.1 | 884.9 | 850.0 | 518.4 | 556.7 |
| 77.5° | 151.8 | 155.3 | 195.5 | 300.2 | 352.5 | 251.3 | 300.2 | 467.7 | 459.0 | 343.8 | 298.4 |
| 80° | 115.2 | 120.4 | 144.9 | 192.0 | 246.1 | 146.6 | 171.0 | 221.7 | 225.1 | 183.3 | 151.8 |
| 82.5° | 64.6 | 71.6 | 87.3 | 97.7 | 158.8 | 82.0 | 82.0 | 132.6 | 127.4 | 113.4 | 82.0 |
| 85° | 27.9 | 29.7 | 34.9 | 36.7 | 64.6 | 34.9 | 29.7 | 57.6 | 59.3 | 55.8 | 26.2 |
| 87.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 7.0 | 7.0 | 7.0 | 7.0 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5° | 1235.7 | 1246.1 | 1235.7 | 1230.4 | 1230.4 | 1221.7 | 1218.2 | 1218.2 | 1206.0 | 1211.2 | 1207.7 |
| 5° | 1263.6 | 1267.1 | 1254.9 | 1239.2 | 1218.2 | 1200.8 | 1176.3 | 1144.9 | 1125.7 | 1124.0 | 1125.7 |
| 7.5° | 1307.2 | 1309.0 | 1275.8 | 1240.9 | 1188.5 | 1125.7 | 1050.7 | 989.6 | 935.5 | 926.7 | 937.2 |
| 10° | 1368.3 | 1364.8 | 1315.9 | 1233.9 | 1124.0 | 991.3 | 876.1 | 820.3 | 788.9 | 787.1 | 785.4 |
| 12.5° | 1450.3 | 1427.6 | 1352.6 | 1204.2 | 1012.3 | 858.7 | 799.3 | 795.9 | 804.6 | 811.6 | 813.3 |
| 15° | 1544.6 | 1514.9 | 1382.3 | 1146.7 | 898.8 | 809.8 | 813.3 | 843.0 | 853.4 | 860.4 | 860.4 |
| 17.5° | 1661.5 | 1623.1 | 1415.4 | 1064.6 | 841.2 | 820.3 | 844.7 | 872.6 | 890.1 | 897.1 | 895.3 |
| 20° | 1816.8 | 1736.6 | 1441.6 | 986.1 | 825.5 | 837.7 | 858.7 | 886.6 | 904.1 | 912.8 | 912.8 |
| 22.5° | 1972.2 | 1872.7 | 1446.8 | 932.0 | 825.5 | 839.5 | 858.7 | 886.6 | 905.8 | 914.5 | 912.8 |
| 25° | 2183.4 | 2047.2 | 1448.6 | 893.6 | 827.3 | 830.8 | 848.2 | 872.6 | 900.6 | 909.3 | 912.8 |
| 27.5° | 2408.5 | 2239.2 | 1457.3 | 884.9 | 820.3 | 818.5 | 830.8 | 853.4 | 881.4 | 904.1 | 905.8 |
| 30° | 2687.7 | 2455.6 | 1460.8 | 893.6 | 822.0 | 799.3 | 808.1 | 830.8 | 860.4 | 883.1 | 890.1 |
| 32.5° | 2961.8 | 2656.3 | 1453.8 | 912.8 | 825.5 | 787.1 | 788.9 | 802.8 | 834.2 | 850.0 | 862.2 |
| 35° | 3251.5 | 2869.3 | 1441.6 | 939.0 | 827.3 | 781.9 | 766.2 | 773.2 | 794.1 | 795.9 | 801.1 |
| 37.5° | 3478.4 | 3028.1 | 1405.0 | 973.9 | 830.8 | 762.7 | 731.3 | 726.0 | 717.3 | 699.9 | 703.4 |
| 40° | 3665.1 | 3134.5 | 1343.9 | 991.3 | 822.0 | 740.0 | 687.6 | 663.2 | 630.0 | 603.9 | 609.1 |
| 42.5° | 3799.5 | 3206.1 | 1270.6 | 994.8 | 808.1 | 701.6 | 637.0 | 595.1 | 558.5 | 530.6 | 532.3 |
| 45° | 3858.8 | 3199.1 | 1192.0 | 968.6 | 774.9 | 654.5 | 589.9 | 549.8 | 509.6 | 480.0 | 476.5 |
| 47.5° | 3860.6 | 3131.0 | 1083.8 | 905.8 | 719.1 | 600.4 | 546.3 | 502.6 | 469.5 | 448.5 | 446.8 |
| 50° | 3874.5 | 3092.6 | 982.6 | 815.0 | 645.8 | 542.8 | 507.9 | 464.2 | 445.0 | 415.4 | 406.7 |
| 52.5° | 3961.8 | 3155.5 | 912.8 | 715.6 | 577.7 | 500.9 | 474.7 | 436.3 | 404.9 | 385.7 | 384.0 |
| 55° | 4103.2 | 3263.7 | 874.4 | 640.5 | 513.1 | 460.8 | 443.3 | 410.1 | 382.2 | 363.0 | 357.8 |
| 57.5° | 4120.6 | 3319.5 | 829.0 | 570.7 | 460.8 | 429.3 | 422.4 | 385.7 | 345.6 | 331.6 | 326.4 |
| 60° | *3876.3* | *3225.3* | *773.2* | *506.1* | *422.4* | *404.9* | *401.4* | *352.5* | *319.4* | *301.9* | *295.0* |
| 62.5° | 3542.9 | 2989.7 | 687.6 | 446.8 | 392.7 | 380.5 | 366.5 | 328.1 | 286.2 | 267.0 | 261.8 |
| 65° | 2895.4 | 2513.2 | 584.7 | 406.7 | 363.0 | 349.1 | 345.6 | 293.2 | 265.3 | 254.8 | 253.1 |
| 67.5° | 2193.8 | 2019.3 | 514.9 | 377.0 | 331.6 | 326.4 | 314.2 | 296.7 | 284.5 | 272.3 | 268.8 |
| 70° | 1551.6 | 1457.3 | 438.1 | 338.6 | 300.2 | 291.5 | 342.1 | 322.9 | 279.2 | 263.5 | 261.8 |
| 72.5° | 940.7 | 914.5 | 378.7 | 303.7 | 258.3 | 272.3 | 315.9 | 291.5 | 251.3 | 232.1 | 225.1 |
| 75° | 593.4 | 542.8 | 317.6 | 258.3 | 205.9 | 221.7 | 275.8 | 260.0 | 216.4 | 197.2 | 192.0 |
| 77.5° | 322.9 | 300.2 | 239.1 | 211.2 | 162.3 | 179.8 | 240.8 | 214.7 | 172.8 | 188.5 | 167.5 |
| 80° | 141.4 | 157.1 | 158.8 | 122.2 | 108.2 | 132.6 | 172.8 | 167.5 | 132.6 | 134.4 | 111.7 |
| 82.5° | 68.1 | 89.0 | 103.0 | 83.8 | 61.1 | 78.5 | 115.2 | 96.0 | 89.0 | 83.8 | 80.3 |
| 85° | 20.9 | 33.2 | 45.4 | 40.1 | 27.9 | 33.2 | 54.1 | 52.4 | 62.8 | 54.1 | 50.6 |
| 87.5° | 7.0 | 7.0 | 5.2 | 5.2 | 5.2 | 7.0 | 8.7 | 5.2 | 1.7 | 1.7 | 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° | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5° | 1206.0 | 1207.7 | 1207.7 | 1209.5 | 1209.5 | 1214.7 | 1221.7 | 1228.7 | 1223.4 | 1230.4 | 1232.2 |
| 5° | 1122.2 | 1130.9 | 1137.9 | 1164.1 | 1185.0 | 1202.5 | 1221.7 | 1239.2 | 1244.4 | 1247.9 | 1256.6 |
| 7.5° | 925.0 | 949.4 | 994.8 | 1054.2 | 1120.5 | 1185.0 | 1228.7 | 1274.1 | 1281.0 | 1289.8 | 1302.0 |
| 10° | 787.1 | 797.6 | 829.0 | 890.1 | 1008.8 | 1136.2 | 1242.6 | 1314.2 | 1343.9 | 1361.3 | 1373.5 |
| 12.5° | 809.8 | 802.8 | 797.6 | 806.3 | 883.1 | 1047.2 | 1233.9 | 1371.8 | 1427.6 | 1446.8 | 1462.6 |
| 15° | 863.9 | 856.9 | 837.7 | 813.3 | 822.0 | 952.9 | 1204.2 | 1425.9 | 1514.9 | 1546.3 | 1579.5 |
| 17.5° | 895.3 | 888.4 | 872.6 | 846.5 | 823.8 | 874.4 | 1148.4 | 1474.8 | 1652.8 | 1691.2 | 1738.3 |
| 20° | 912.8 | 905.8 | 890.1 | 863.9 | 837.7 | 844.7 | 1076.8 | 1535.9 | 1809.9 | 1870.9 | 1940.8 |
| 22.5° | 916.3 | 907.5 | 890.1 | 863.9 | 848.2 | 843.0 | 1008.8 | 1572.5 | 1979.2 | 2073.4 | 2153.7 |
| 25° | 914.5 | 898.8 | 876.1 | 856.9 | 848.2 | 846.5 | 961.7 | 1593.4 | 2162.4 | 2312.5 | 2403.3 |
| 27.5° | 902.3 | 883.1 | 860.4 | 846.5 | 843.0 | 853.4 | 940.7 | 1617.9 | 2377.1 | 2569.1 | 2713.9 |
| 30° | 888.4 | 860.4 | 832.5 | 827.3 | 836.0 | 869.2 | 958.2 | 1626.6 | 2602.2 | 2848.3 | 2996.7 |
| 32.5° | 851.7 | 830.8 | 802.8 | 801.1 | 822.0 | 881.4 | 998.3 | 1614.4 | 2801.2 | 3127.6 | 3314.3 |
| 35° | 799.3 | 787.1 | 771.4 | 776.7 | 809.8 | 891.8 | 1026.2 | 1576.0 | 2982.7 | 3387.6 | 3605.8 |
| 37.5° | 706.8 | 715.6 | 724.3 | 736.5 | 778.4 | 890.1 | 1038.4 | 1514.9 | 3132.8 | 3595.3 | 3874.5 |
| 40° | 603.9 | 633.5 | 661.5 | 692.9 | 748.7 | 876.1 | 1041.9 | 1439.9 | 3220.1 | 3752.4 | 4113.6 |
| 42.5° | 539.3 | 567.2 | 602.1 | 647.5 | 708.6 | 844.7 | 1038.4 | 1356.1 | 3248.0 | 3860.6 | 4265.5 |
| 45° | 480.0 | 513.1 | 556.7 | 603.9 | 673.7 | 799.3 | 1007.0 | 1265.3 | 3261.9 | 3911.2 | 4330.1 |
| 47.5° | 448.5 | 467.7 | 507.9 | 555.0 | 628.3 | 743.5 | 945.9 | 1199.0 | 3241.0 | 3921.7 | 4408.6 |
| 50° | 411.9 | 438.1 | 464.2 | 509.6 | 581.2 | 673.7 | 872.6 | 1160.6 | 3275.9 | 4024.6 | 4532.5 |
| 52.5° | 384.0 | 397.9 | 425.8 | 467.7 | 520.1 | 609.1 | 802.8 | 1129.2 | 3371.9 | 4129.3 | 4661.7 |
| 55° | 363.0 | 378.7 | 396.2 | 431.1 | 471.2 | 544.5 | 731.3 | 1082.1 | 3483.6 | 4241.0 | 4790.8 |
| 57.5° | 329.9 | 340.3 | 364.8 | 401.4 | 427.6 | 481.7 | 647.5 | 1026.2 | 3474.9 | 4153.8 | 4567.4 |
| 60° | *300.2* | *310.7* | *336.8* | *373.5* | *389.2* | *425.8* | *565.5* | *954.7* | *3307.3* | *3869.3* | *4155.5* |
| 62.5° | 267.0 | 279.2 | 310.7 | 336.8 | 350.8 | 378.7 | 480.0 | 823.8 | 2958.3 | 3441.7 | 3673.8 |
| 65° | 253.1 | 260.0 | 281.0 | 312.4 | 310.7 | 336.8 | 404.9 | 647.5 | 2380.6 | 2630.1 | 2841.3 |
| 67.5° | 268.8 | 279.2 | 275.8 | 284.5 | 279.2 | 293.2 | 363.0 | 520.1 | 1870.9 | 1980.9 | 2103.1 |
| 70° | 265.3 | 289.7 | 301.9 | 284.5 | 244.3 | 260.0 | 314.2 | 415.4 | 1338.6 | 1328.2 | 1322.9 |
| 72.5° | 232.1 | 256.6 | 291.5 | 308.9 | 239.1 | 216.4 | 272.3 | 359.5 | 858.7 | 855.2 | 773.2 |
| 75° | 197.2 | 214.7 | 256.6 | 279.2 | 205.9 | 174.5 | 233.9 | 305.4 | 513.1 | 520.1 | 464.2 |
| 77.5° | 181.5 | 172.8 | 214.7 | 246.1 | 167.5 | 134.4 | 188.5 | 230.4 | 282.7 | 286.2 | 265.3 |
| 80° | 130.9 | 125.7 | 160.6 | 179.8 | 127.4 | 96.0 | 106.5 | 143.1 | 151.8 | 136.1 | 141.4 |
| 82.5° | 83.8 | 85.5 | 96.0 | 115.2 | 78.5 | 52.4 | 73.3 | 96.0 | 82.0 | 66.3 | 78.5 |
| 85° | 54.1 | 61.1 | 50.6 | 59.3 | 24.4 | 24.4 | 31.4 | 41.9 | 27.9 | 19.2 | 20.9 |
| 87.5° | 0.0 | 0.0 | 3.5 | 7.0 | 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: P1501352
CATALOG NUMBER: GSS-SB1D-722-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1232.2 | 1232.2 | *1232.2* | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5° | 1237.4 | 1235.7 | *1235.7* | 1239.2 | 1247.9 | 1251.4 | 1256.6 | 1254.9 | 1260.1 | 1256.6 |
| 5° | 1261.8 | 1263.6 | *1268.8* | 1270.6 | 1275.8 | 1282.8 | 1284.5 | 1282.8 | 1286.3 | 1286.3 |
| 7.5° | 1310.7 | 1317.7 | *1314.2* | 1322.9 | 1315.9 | 1307.2 | 1293.3 | 1282.8 | 1274.1 | 1277.5 |
| 10° | 1392.7 | 1389.2 | *1387.5* | 1371.8 | 1340.4 | 1295.0 | 1258.4 | 1218.2 | 1211.2 | 1204.2 |
| 12.5° | 1483.5 | 1480.0 | *1480.0* | 1425.9 | 1336.9 | 1242.6 | 1158.9 | 1096.0 | 1075.1 | 1073.4 |
| 15° | 1610.9 | 1588.2 | *1567.3* | 1453.8 | 1275.8 | 1115.2 | 1017.5 | 968.6 | 956.4 | 956.4 |
| 17.5° | 1769.7 | 1710.4 | *1675.5* | 1432.9 | 1176.3 | 1031.5 | 973.9 | 961.7 | 958.2 | 966.9 |
| 20° | 1966.9 | 1816.8 | *1766.2* | 1385.8 | 1139.7 | 1041.9 | 1014.0 | 1015.8 | 1017.5 | 1029.7 |
| 22.5° | 2183.4 | 1914.6 | *1830.8* | 1385.8 | 1176.3 | 1108.3 | 1094.3 | 1113.5 | 1118.7 | 1129.2 |
| 25° | 2424.2 | 2001.8 | *1888.4* | 1459.1 | 1284.5 | 1233.9 | 1216.5 | 1235.7 | 1249.6 | 1267.1 |
| 27.5° | 2694.7 | 2092.6 | *1987.9* | 1591.7 | 1424.2 | 1392.7 | 1373.5 | 1382.3 | 1401.5 | 1422.4 |
| 30° | 2937.3 | 2244.4 | *2139.7* | 1794.2 | 1614.4 | 1576.0 | 1542.8 | 1556.8 | 1577.7 | 1591.7 |
| 32.5° | 3152.0 | 2429.4 | *2340.4* | 2007.1 | 1832.6 | 1766.2 | 1729.6 | 1726.1 | 1768.0 | 1757.5 |
| 35° | 3349.2 | 2647.6 | *2562.1* | 2249.7 | 2054.2 | 1972.2 | 1923.3 | 1986.1 | 1958.2 | 1968.7 |
| 37.5° | 3504.5 | 2874.5 | *2806.4* | 2481.8 | 2284.6 | 2172.9 | 2143.2 | 2220.0 | 2263.6 | 2275.9 |
| 40° | 3631.9 | 3071.7 | *3000.1* | 2712.2 | 2495.8 | 2413.7 | 2460.9 | 2588.3 | 2583.0 | 2577.8 |
| 42.5° | 3729.7 | 3241.0 | *3162.5* | 2886.7 | 2698.2 | 2713.9 | 2750.6 | 2836.1 | 2857.0 | 2827.4 |
| 45° | 3773.3 | 3347.5 | *3284.6* | 3024.6 | 2928.6 | 3019.3 | 3035.1 | 3071.7 | 3057.7 | 3038.5 |
| 47.5° | 3823.9 | 3441.7 | *3375.4* | 3150.2 | 3178.2 | 3267.2 | 3235.8 | 3206.1 | 3155.5 | 3125.8 |
| 50° | 3909.4 | 3553.4 | *3497.6* | 3333.5 | 3434.7 | 3405.1 | 3282.9 | 3216.6 | 3113.6 | 3078.7 |
| 52.5° | 4071.8 | 3764.6 | *3722.7* | 3623.2 | 3555.1 | 3384.1 | 3235.8 | 3117.1 | 3001.9 | 2954.8 |
| 55° | 4216.6 | 4050.8 | *4026.4* | 3893.7 | 3518.5 | 3274.2 | 3075.2 | 2891.9 | 2694.7 | 2654.6 |
| 57.5° | 4300.4 | 4525.5 | *4553.5* | 4008.9 | 3351.0 | 3024.6 | 2731.4 | 2438.2 | 2251.4 | 2218.3 |
| 60° | *4050.8* | *5038.6* | *5052.6* | *3986.2* | *3049.0* | *2574.3* | *2127.5* | *1919.8* | *1719.1* | *1661.5* |
| 62.5° | 3707.0 | 4932.2 | *4920.0* | 3850.1 | 2427.7 | 1877.9 | 1616.1 | 1518.4 | 1363.1 | 1315.9 |
| 65° | 3186.9 | 4108.4 | *4122.4* | 3326.5 | 1614.4 | 1357.8 | 1357.8 | 1233.9 | 1061.1 | 1028.0 |
| 67.5° | 2597.0 | 3167.7 | *3136.3* | 2157.2 | 991.3 | 1087.3 | 1139.7 | 961.7 | 719.1 | 678.9 |
| 70° | 1687.7 | 2419.0 | *2375.3* | 1244.4 | 623.1 | 905.8 | 897.1 | 722.5 | 514.9 | 486.9 |
| 72.5° | 726.0 | 1398.0 | *1487.0* | 635.3 | 469.5 | 729.5 | 715.6 | 506.1 | 343.8 | 331.6 |
| 75° | 438.1 | 703.4 | *766.2* | 404.9 | 342.1 | 549.8 | 495.7 | 321.1 | 233.9 | 225.1 |
| 77.5° | 277.5 | 385.7 | *382.2* | 303.7 | 256.6 | 371.7 | 333.3 | 221.7 | 158.8 | 151.8 |
| 80° | 160.6 | 190.2 | *197.2* | 190.2 | 172.8 | 265.3 | 212.9 | 160.6 | 123.9 | 115.2 |
| 82.5° | 103.0 | 118.7 | *120.4* | 92.5 | 96.0 | 171.0 | 115.2 | 94.2 | 71.6 | 64.6 |
| 85° | 45.4 | 50.6 | *48.9* | 31.4 | 31.4 | 69.8 | 40.1 | 38.4 | 27.9 | 27.9 |
| 87.5° | 1.7 | 3.5 | *1.7* | 1.7 | 1.7 | 7.0 | 3.5 | 5.2 | 5.2 | 5.2 |
| 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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

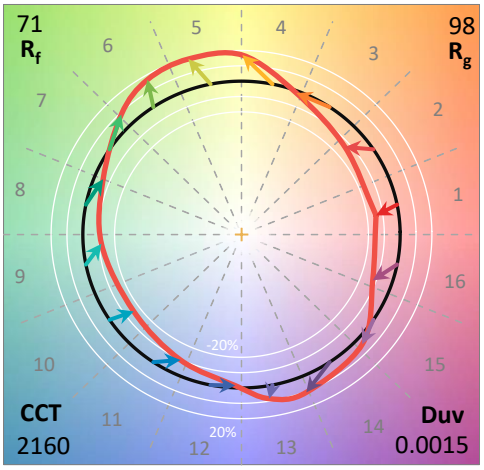
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-2 |
| 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-722-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2160 |
| CIE u': | 0.2927 |
| CIE v': | 0.5388 |
| Duv: | 0.0015 |
| CIE x: | 0.5130 |
| CIE y: | 0.4197 |
| CIE z: | 0.0674 |
| Peak Wavelength (nm): | 609 |
| Dominant Wavelength (nm): | 587 |
| Purity: | 79.96089 |
| Rf: | 70.6 |
| Rg: | 97.6 |

| | |
|---|---|
| CRI (Ra): | 71.9 |
| R1: | 68.7 |
| R2: | 82.6 |
| R3: | 95.5 |
| R4: | 66.4 |
| R5: | 65.4 |
| R6: | 75.9 |
| R7: | 77.2 |
| R8: | 43.5 |
| R9: | -17.8 |
| R10: | 60.5 |
| R11: | 60.2 |
| R12: | 48.2 |
| R13: | 70.7 |
| R14: | 96.8 |
| R15: | 61.8 |




## Test Conditions

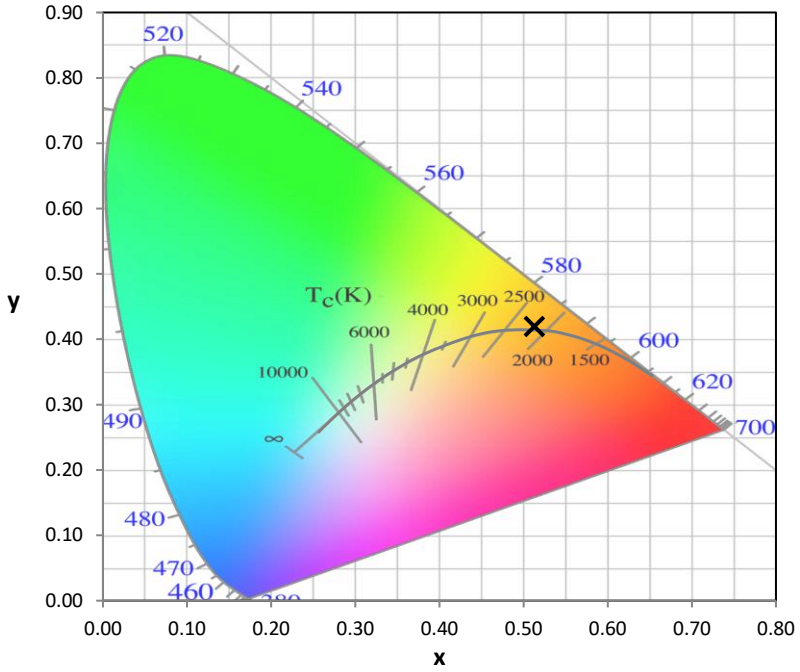
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-2

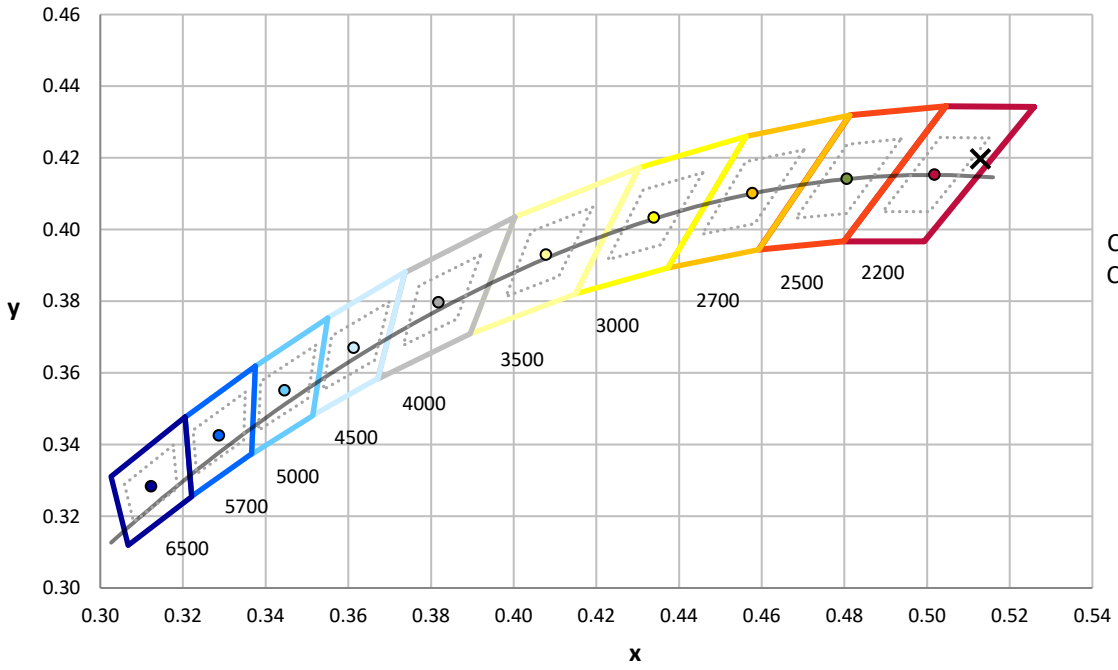
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

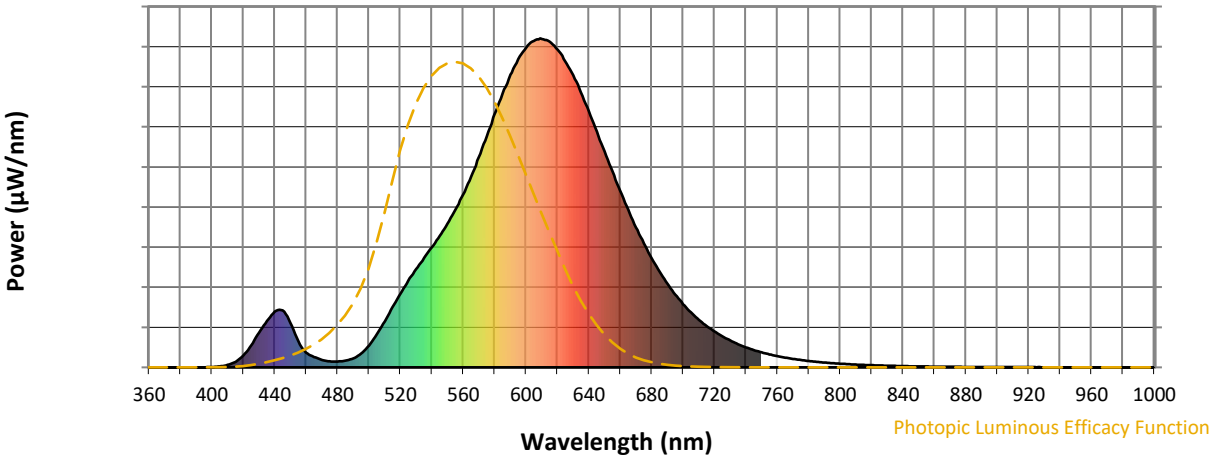



CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

## Photopic Flux vs. Wavelength

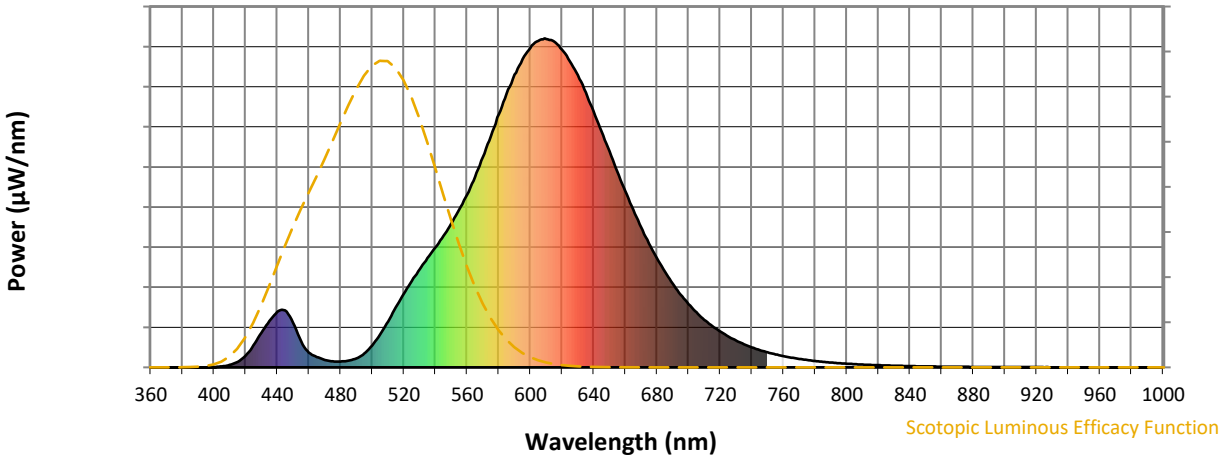



## Photopic Lumens: NR

| 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 | 27 | NR | 620 | 966 | NR | 750 | 46 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 42 | NR | 625 | 930 | NR | 755 | 39 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 67 | NR | 630 | 888 | NR | 760 | 34 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 101 | NR | 635 | 835 | NR | 765 | 30 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 139 | NR | 640 | 778 | NR | 770 | 26 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 183 | NR | 645 | 717 | NR | 775 | 22 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 224 | NR | 650 | 656 | NR | 780 | 19 | NR | 910 | 1 | NR |
| 395 | 0 | NR | 525 | 262 | NR | 655 | 595 | NR | 785 | 17 | NR | 915 | 1 | NR |
| 400 | 1 | NR | 530 | 299 | NR | 660 | 536 | NR | 790 | 15 | NR | 920 | 1 | NR |
| 405 | 3 | NR | 535 | 332 | NR | 665 | 480 | NR | 795 | 13 | NR | 925 | 1 | NR |
| 410 | 7 | NR | 540 | 365 | NR | 670 | 425 | NR | 800 | 11 | NR | 930 | 1 | NR |
| 415 | 17 | NR | 545 | 400 | NR | 675 | 376 | NR | 805 | 10 | NR | 935 | 0 | NR |
| 420 | 36 | NR | 550 | 437 | NR | 680 | 332 | NR | 810 | 8 | NR | 940 | 0 | NR |
| 425 | 67 | NR | 555 | 479 | NR | 685 | 291 | NR | 815 | 8 | NR | 945 | 0 | NR |
| 430 | 105 | NR | 560 | 525 | NR | 690 | 255 | NR | 820 | 7 | NR | 950 | 0 | NR |
| 435 | 141 | NR | 565 | 579 | NR | 695 | 221 | NR | 825 | 6 | NR | 955 | 0 | NR |
| 440 | 169 | NR | 570 | 639 | NR | 700 | 192 | NR | 830 | 5 | NR | 960 | 0 | NR |
| 445 | 173 | NR | 575 | 703 | NR | 705 | 167 | NR | 835 | 4 | NR | 965 | 0 | NR |
| 450 | 136 | NR | 580 | 769 | NR | 710 | 144 | NR | 840 | 4 | NR | 970 | 0 | NR |
| 455 | 80 | NR | 585 | 832 | NR | 715 | 125 | NR | 845 | 3 | NR | 975 | 0 | NR |
| 460 | 45 | NR | 590 | 890 | NR | 720 | 109 | NR | 850 | 3 | NR | 980 | 0 | NR |
| 465 | 32 | NR | 595 | 937 | NR | 725 | 94 | NR | 855 | 3 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 972 | NR | 730 | 81 | NR | 860 | 2 | NR | 990 | 0 | NR |
| 475 | 18 | NR | 605 | 992 | NR | 735 | 70 | NR | 865 | 2 | NR | 995 | 0 | NR |
| 480 | 18 | NR | 610 | 998 | NR | 740 | 61 | NR | 870 | 2 | NR | 1000 | 0 | NR |
| 485 | 20 | NR | 615 | 990 | NR | 745 | 53 | NR | 875 | 2 | NR | | | |

REPORT NUMBER: SP1-2407-184-2

## Scotopic Flux vs. Wavelength

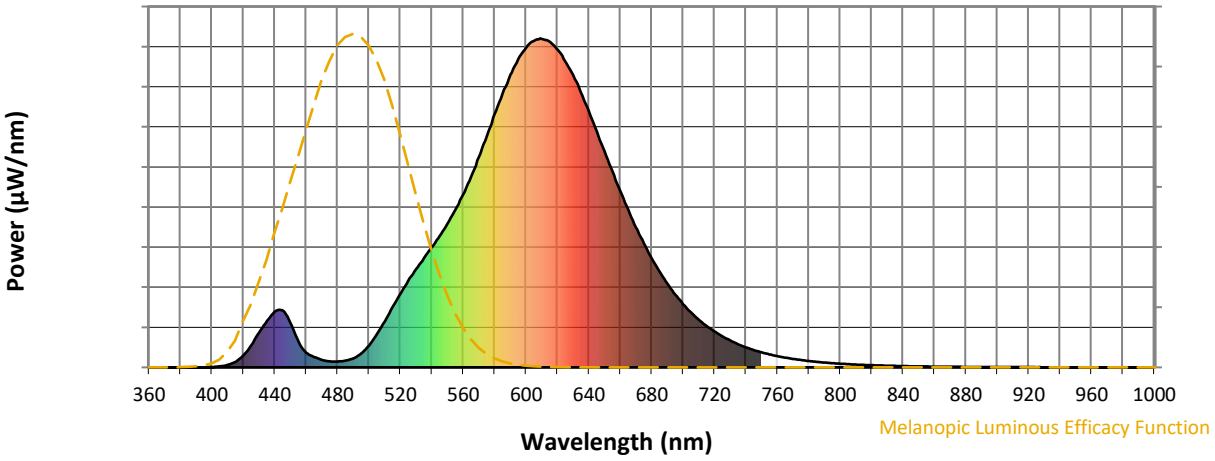



**Scotopic Lumens: NR** **S/P: 0.8**

| 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 | 27 | NR | 620 | 966 | NR | 750 | 46 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 42 | NR | 625 | 930 | NR | 755 | 39 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 67 | NR | 630 | 888 | NR | 760 | 34 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 101 | NR | 635 | 835 | NR | 765 | 30 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 139 | NR | 640 | 778 | NR | 770 | 26 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 183 | NR | 645 | 717 | NR | 775 | 22 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 224 | NR | 650 | 656 | NR | 780 | 19 | NR | 910 | 1 | NR |
| 395 | 0 | NR | 525 | 262 | NR | 655 | 595 | NR | 785 | 17 | NR | 915 | 1 | NR |
| 400 | 1 | NR | 530 | 299 | NR | 660 | 536 | NR | 790 | 15 | NR | 920 | 1 | NR |
| 405 | 3 | NR | 535 | 332 | NR | 665 | 480 | NR | 795 | 13 | NR | 925 | 1 | NR |
| 410 | 7 | NR | 540 | 365 | NR | 670 | 425 | NR | 800 | 11 | NR | 930 | 1 | NR |
| 415 | 17 | NR | 545 | 400 | NR | 675 | 376 | NR | 805 | 10 | NR | 935 | 0 | NR |
| 420 | 36 | NR | 550 | 437 | NR | 680 | 332 | NR | 810 | 8 | NR | 940 | 0 | NR |
| 425 | 67 | NR | 555 | 479 | NR | 685 | 291 | NR | 815 | 8 | NR | 945 | 0 | NR |
| 430 | 105 | NR | 560 | 525 | NR | 690 | 255 | NR | 820 | 7 | NR | 950 | 0 | NR |
| 435 | 141 | NR | 565 | 579 | NR | 695 | 221 | NR | 825 | 6 | NR | 955 | 0 | NR |
| 440 | 169 | NR | 570 | 639 | NR | 700 | 192 | NR | 830 | 5 | NR | 960 | 0 | NR |
| 445 | 173 | NR | 575 | 703 | NR | 705 | 167 | NR | 835 | 4 | NR | 965 | 0 | NR |
| 450 | 136 | NR | 580 | 769 | NR | 710 | 144 | NR | 840 | 4 | NR | 970 | 0 | NR |
| 455 | 80 | NR | 585 | 832 | NR | 715 | 125 | NR | 845 | 3 | NR | 975 | 0 | NR |
| 460 | 45 | NR | 590 | 890 | NR | 720 | 109 | NR | 850 | 3 | NR | 980 | 0 | NR |
| 465 | 32 | NR | 595 | 937 | NR | 725 | 94 | NR | 855 | 3 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 972 | NR | 730 | 81 | NR | 860 | 2 | NR | 990 | 0 | NR |
| 475 | 18 | NR | 605 | 992 | NR | 735 | 70 | NR | 865 | 2 | NR | 995 | 0 | NR |
| 480 | 18 | NR | 610 | 998 | NR | 740 | 61 | NR | 870 | 2 | NR | 1000 | 0 | NR |
| 485 | 20 | NR | 615 | 990 | NR | 745 | 53 | NR | 875 | 2 | NR | | | |

REPORT NUMBER: SP1-2407-184-2

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.21**

| 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 | 27 | NR | 620 | 966 | NR | 750 | 46 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 42 | NR | 625 | 930 | NR | 755 | 39 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 67 | NR | 630 | 888 | NR | 760 | 34 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 101 | NR | 635 | 835 | NR | 765 | 30 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 139 | NR | 640 | 778 | NR | 770 | 26 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 183 | NR | 645 | 717 | NR | 775 | 22 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 224 | NR | 650 | 656 | NR | 780 | 19 | NR | 910 | 1 | NR |
| 395 | 0 | NR | 525 | 262 | NR | 655 | 595 | NR | 785 | 17 | NR | 915 | 1 | NR |
| 400 | 1 | NR | 530 | 299 | NR | 660 | 536 | NR | 790 | 15 | NR | 920 | 1 | NR |
| 405 | 3 | NR | 535 | 332 | NR | 665 | 480 | NR | 795 | 13 | NR | 925 | 1 | NR |
| 410 | 7 | NR | 540 | 365 | NR | 670 | 425 | NR | 800 | 11 | NR | 930 | 1 | NR |
| 415 | 17 | NR | 545 | 400 | NR | 675 | 376 | NR | 805 | 10 | NR | 935 | 0 | NR |
| 420 | 36 | NR | 550 | 437 | NR | 680 | 332 | NR | 810 | 8 | NR | 940 | 0 | NR |
| 425 | 67 | NR | 555 | 479 | NR | 685 | 291 | NR | 815 | 8 | NR | 945 | 0 | NR |
| 430 | 105 | NR | 560 | 525 | NR | 690 | 255 | NR | 820 | 7 | NR | 950 | 0 | NR |
| 435 | 141 | NR | 565 | 579 | NR | 695 | 221 | NR | 825 | 6 | NR | 955 | 0 | NR |
| 440 | 169 | NR | 570 | 639 | NR | 700 | 192 | NR | 830 | 5 | NR | 960 | 0 | NR |
| 445 | 173 | NR | 575 | 703 | NR | 705 | 167 | NR | 835 | 4 | NR | 965 | 0 | NR |
| 450 | 136 | NR | 580 | 769 | NR | 710 | 144 | NR | 840 | 4 | NR | 970 | 0 | NR |
| 455 | 80 | NR | 585 | 832 | NR | 715 | 125 | NR | 845 | 3 | NR | 975 | 0 | NR |
| 460 | 45 | NR | 590 | 890 | NR | 720 | 109 | NR | 850 | 3 | NR | 980 | 0 | NR |
| 465 | 32 | NR | 595 | 937 | NR | 725 | 94 | NR | 855 | 3 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 972 | NR | 730 | 81 | NR | 860 | 2 | NR | 990 | 0 | NR |
| 475 | 18 | NR | 605 | 992 | NR | 735 | 70 | NR | 865 | 2 | NR | 995 | 0 | NR |
| 480 | 18 | NR | 610 | 998 | NR | 740 | 61 | NR | 870 | 2 | NR | 1000 | 0 | NR |
| 485 | 20 | NR | 615 | 990 | NR | 745 | 53 | NR | 875 | 2 | NR | | | |

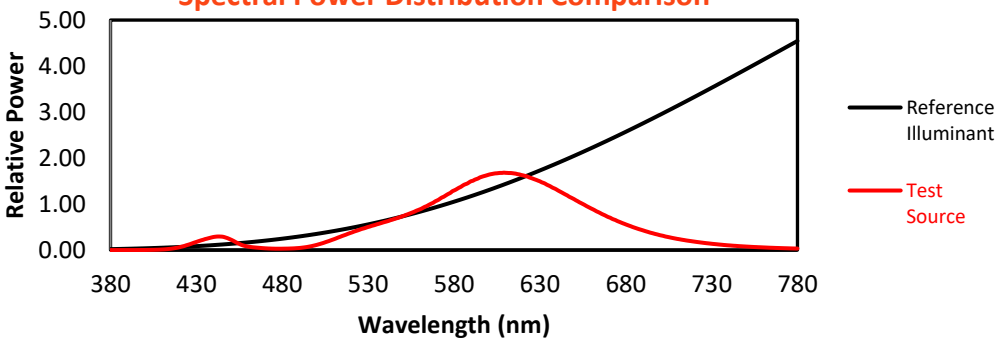
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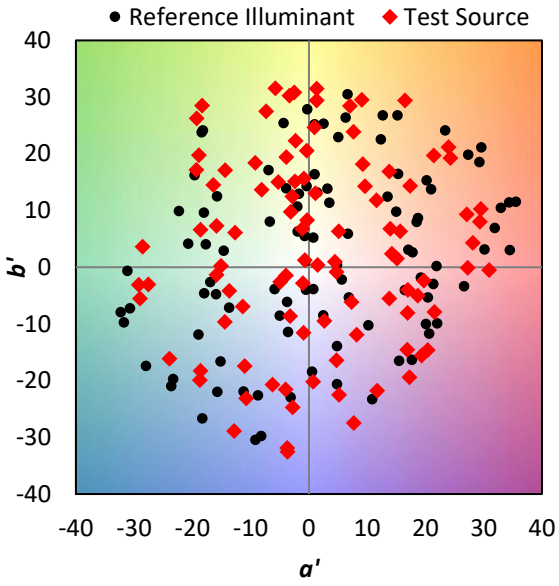
## Summary

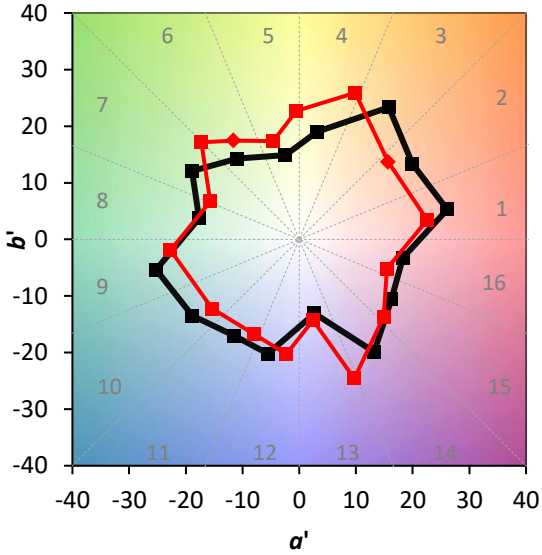
$R_f$ = 70.6
$R_g$ = 97.6
CIE $R_a$ = 71.9
$R_9$ = -17.8

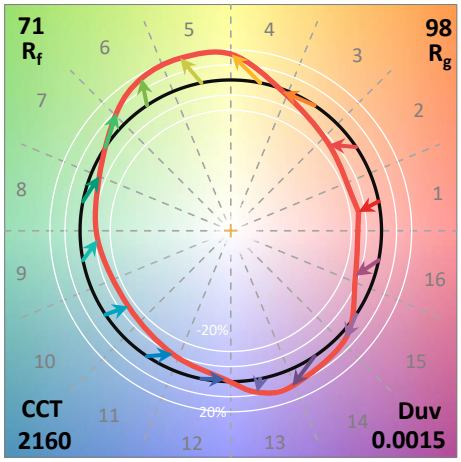
## Spectral Power Distribution Comparison

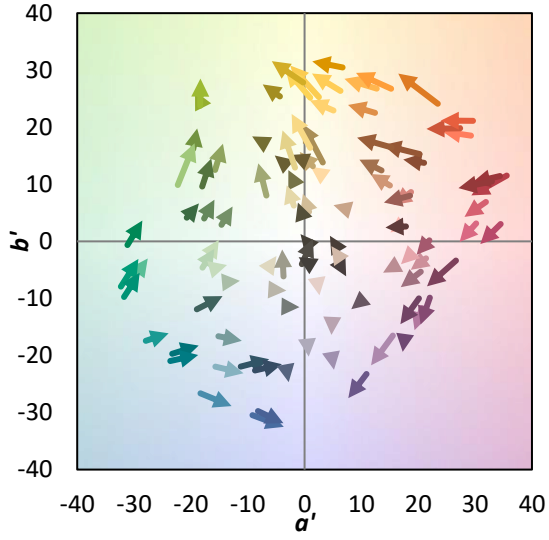



## Color Vector Graphics



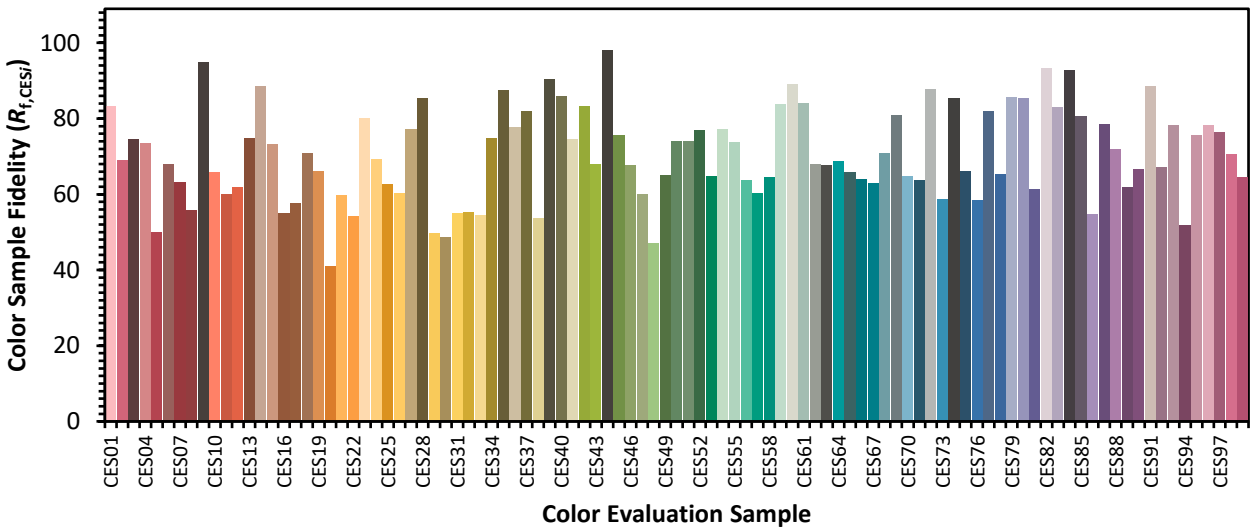



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## Individual Sample Fidelity Index ($R_{f,i}$)

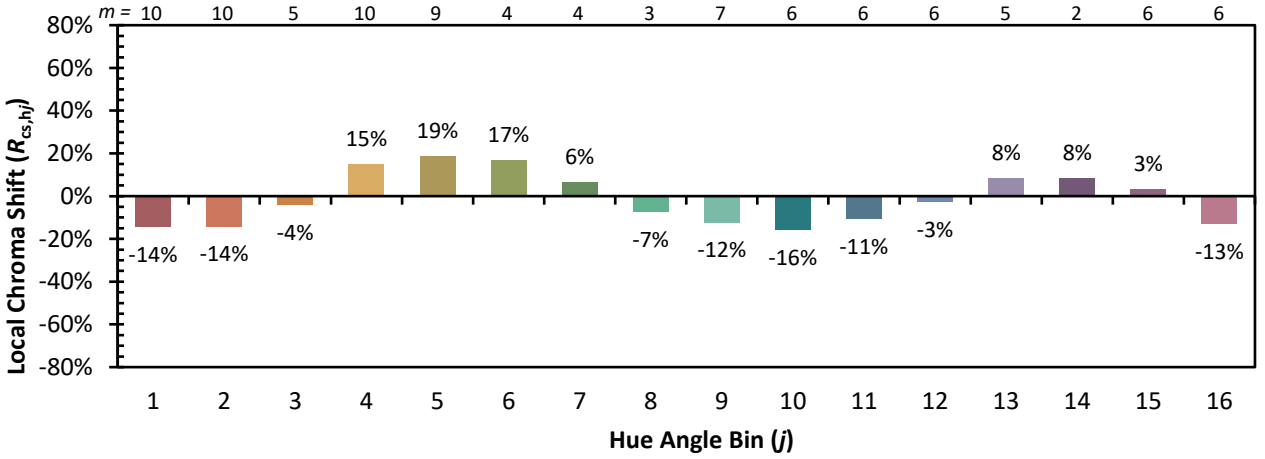
| | | | |
|---|---|---|---|
| CES01 = 87 | CES26 = 60 | CES51 = 74 | CES76 = 58 |
| CES02 = 65 | CES27 = 77 | CES52 = 77 | CES77 = 82 |
| CES03 = 32 | CES28 = 85 | CES53 = 65 | CES78 = 65 |
| CES04 = 72 | CES29 = 50 | CES54 = 77 | CES79 = 86 |
| CES05 = 52 | CES30 = 49 | CES55 = 74 | CES80 = 85 |
| CES06 = 53 | CES31 = 55 | CES56 = 64 | CES81 = 61 |
| CES07 = 44 | CES32 = 55 | CES57 = 60 | CES82 = 93 |
| CES08 = 43 | CES33 = 55 | CES58 = 64 | CES83 = 83 |
| CES09 = 29 | CES34 = 75 | CES59 = 84 | CES84 = 93 |
| CES10 = 79 | CES35 = 88 | CES60 = 89 | CES85 = 81 |
| CES11 = 62 | CES36 = 78 | CES61 = 84 | CES86 = 55 |
| CES12 = 68 | CES37 = 82 | CES62 = 68 | CES87 = 79 |
| CES13 = 45 | CES38 = 54 | CES63 = 68 | CES88 = 72 |
| CES14 = 75 | CES39 = 90 | CES64 = 69 | CES89 = 62 |
| CES15 = 72 | CES40 = 86 | CES65 = 66 | CES90 = 67 |
| CES16 = 49 | CES41 = 75 | CES66 = 64 | CES91 = 89 |
| CES17 = 51 | CES42 = 83 | CES67 = 63 | CES92 = 67 |
| CES18 = 57 | CES43 = 68 | CES68 = 71 | CES93 = 78 |
| CES19 = 74 | CES44 = 98 | CES69 = 81 | CES94 = 52 |
| CES20 = 68 | CES45 = 76 | CES70 = 65 | CES95 = 76 |
| CES21 = 89 | CES46 = 68 | CES71 = 64 | CES96 = 78 |
| CES22 = 81 | CES47 = 60 | CES72 = 88 | CES97 = 76 |
| CES23 = 92 | CES48 = 47 | CES73 = 59 | CES98 = 71 |
| CES24 = 92 | CES49 = 65 | CES74 = 85 | CES99 = 65 |
| CES25 = 74 | CES50 = 74 | CES75 = 66 | |

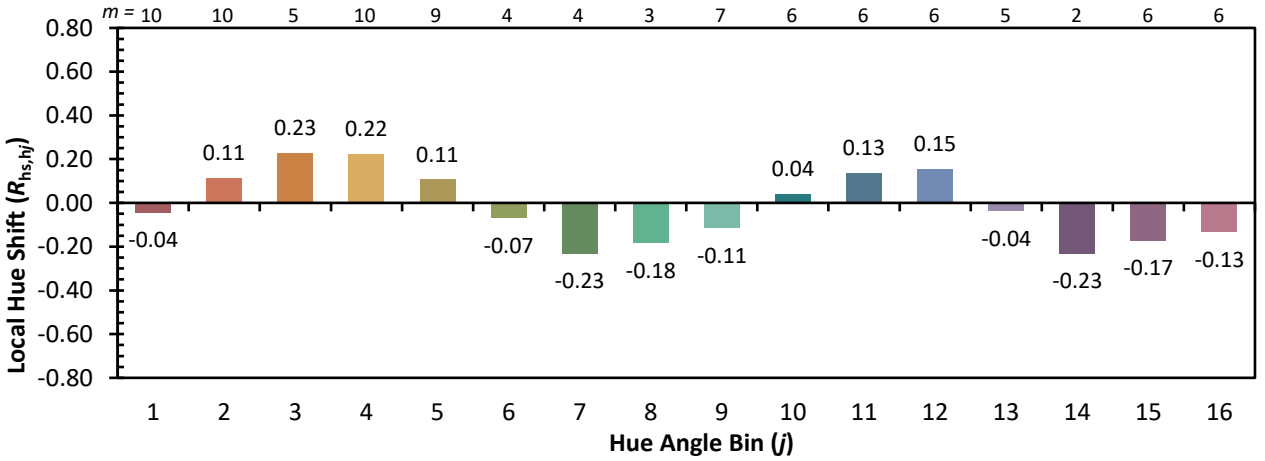


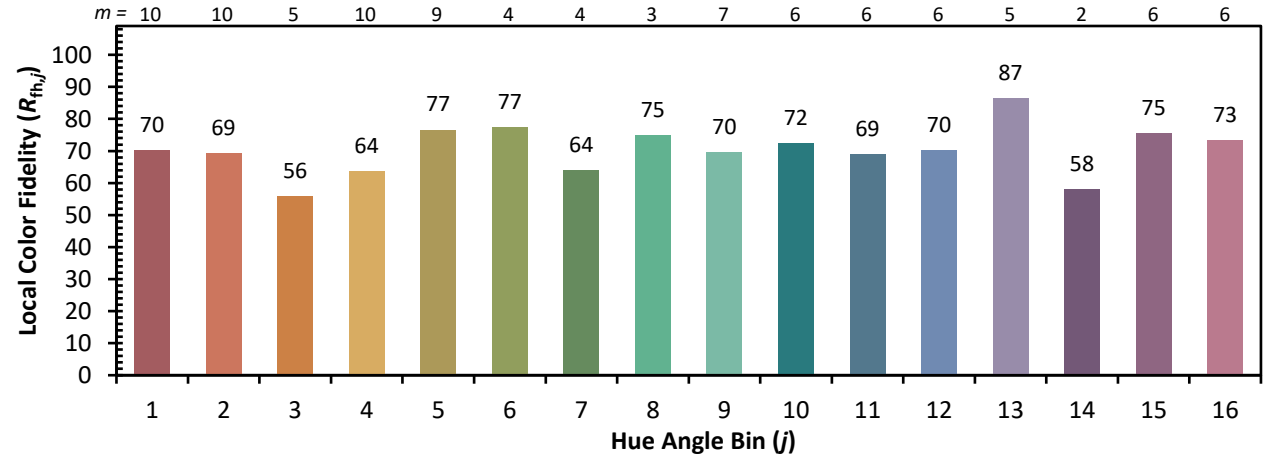
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## Color Rendition by Hue-Angle Bin



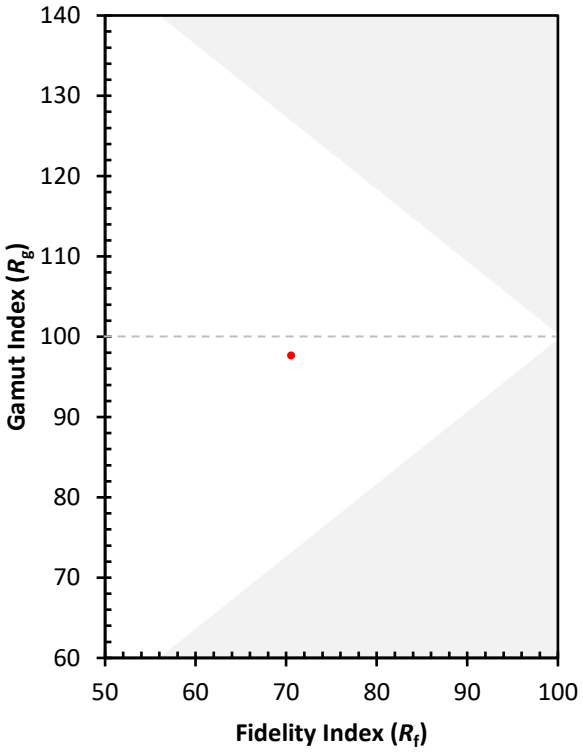



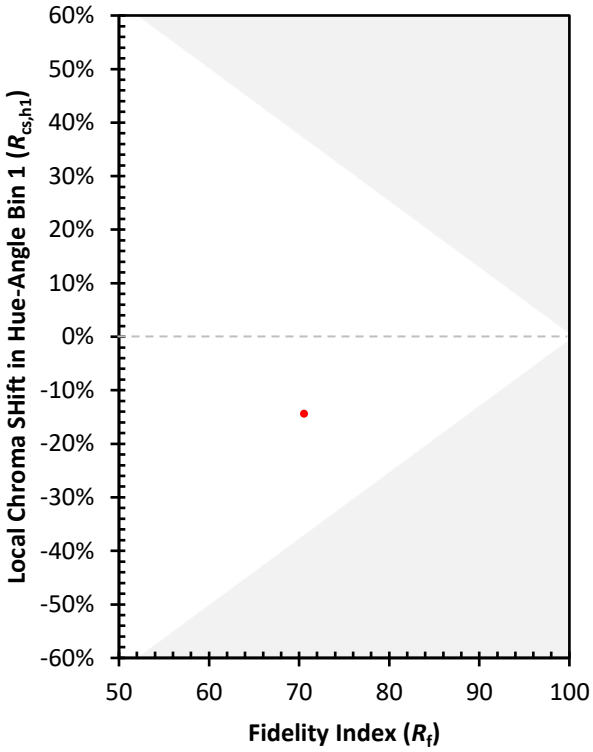



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## Measure Comparisons




(END OF REPORT)