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: P1364585

Luminaire Tested: **GSS-SB3C-730-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364585 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3C-730-U-SLR-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (78) 3000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 15725.3 lumens |
| Efficiency: | N/A |
| Efficacy: | 104.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B2 - U0 - G3 |

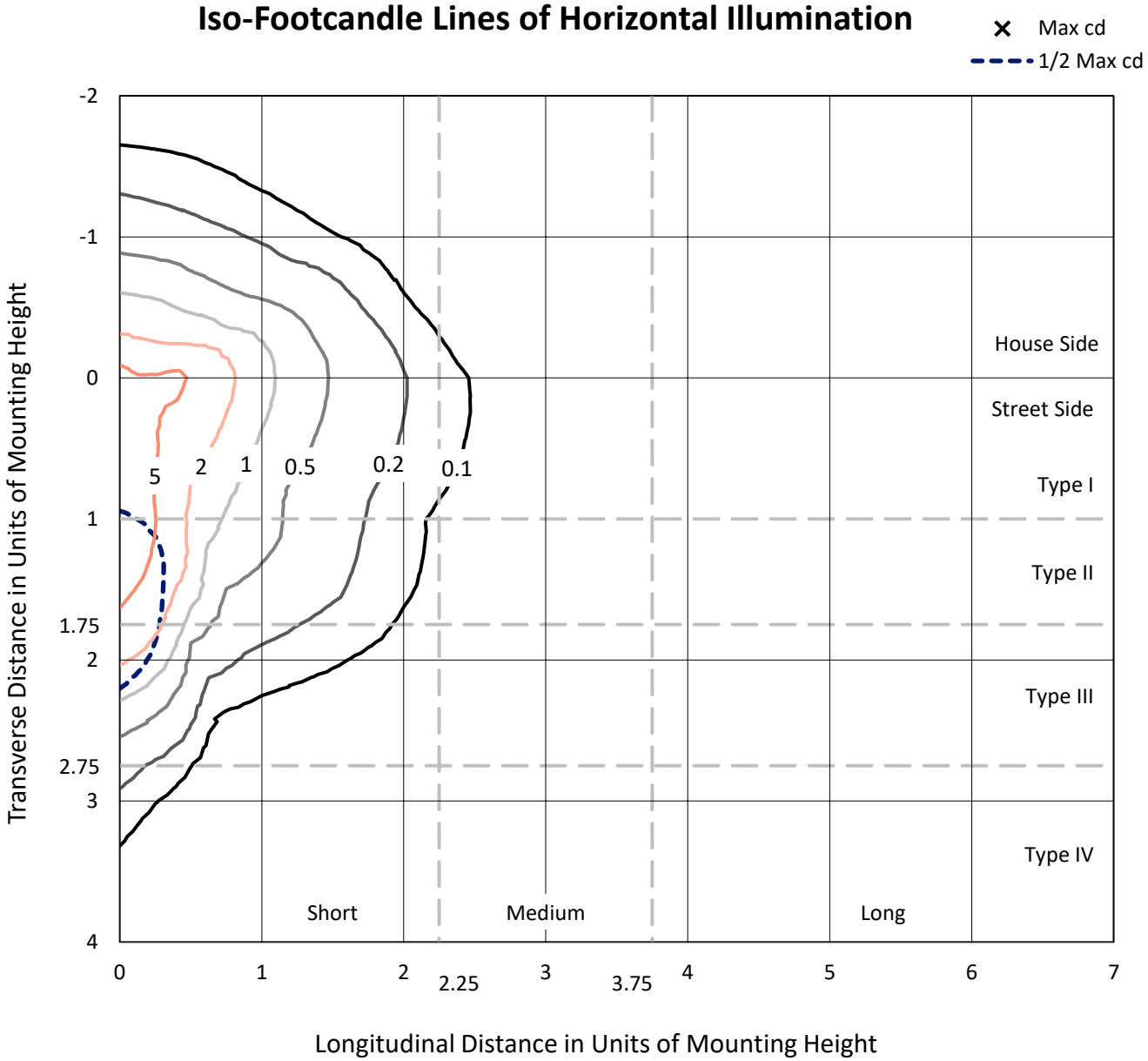
| | |
|---|---|
| Input Watts (W): | 150 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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

Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

## Iso-Footcandle Lines of Horizontal Illumination



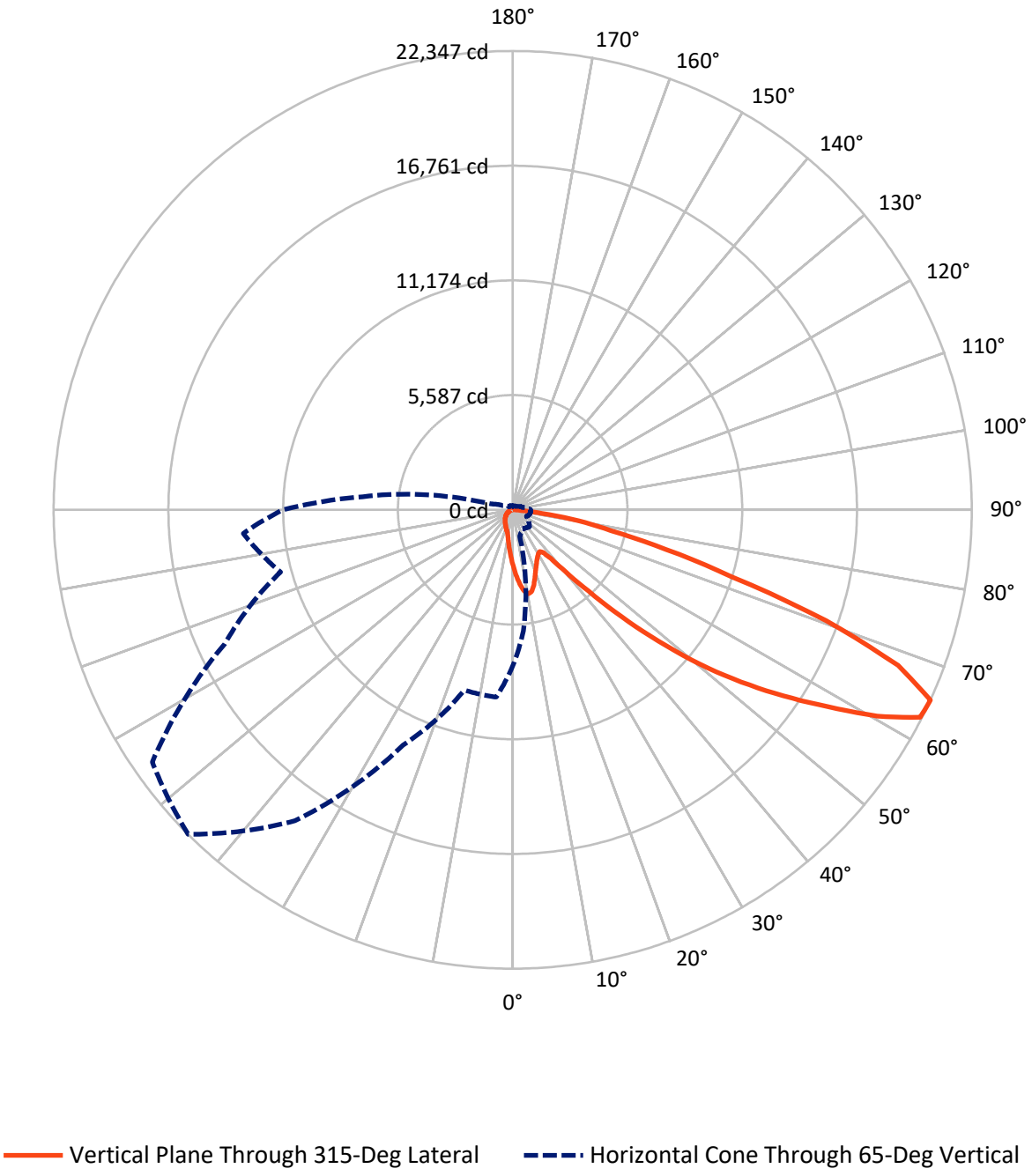

Based on 20 foot mounting height. Maximum calculated value = 8.6 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

## Luminous Intensity Polar Plot



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

Scaled Data Report

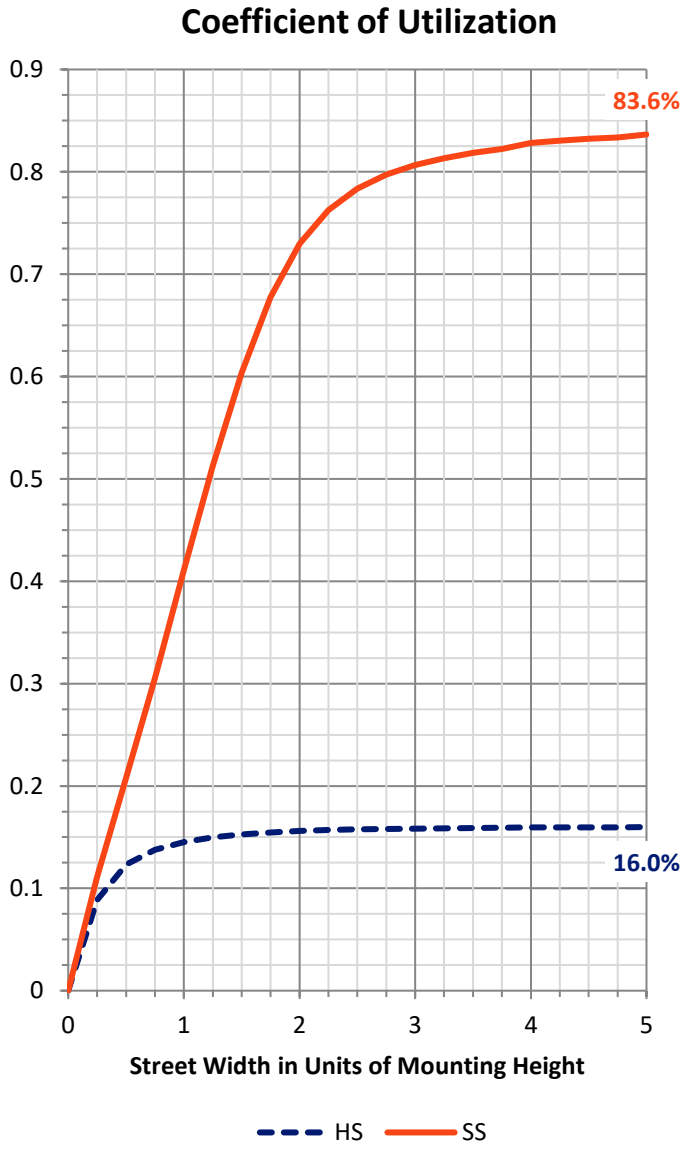
REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2542.1 | 0.0 | 2542.1 |
| | % Fixture | 16.2 | 0.0 | 16.2 |
| **Street Side** | Lumens | 13183.3 | 0.0 | 13183.3 |
| | % Fixture | 83.8 | 0.0 | 83.8 |
| **Total** | Lumens | 15725.3 | 0.0 | 15725.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 261.3 | 1.7 |
| 10°-20° | 722.6 | 4.6 |
| 20°-30° | 1034.9 | 6.6 |
| 30°-40° | 1298.1 | 8.3 |
| 40°-50° | 2132.4 | 13.6 |
| 50°-60° | 3848.0 | 24.5 |
| 60°-70° | 4270.5 | 27.2 |
| 70°-80° | 1929.5 | 12.3 |
| 80°-90° | 228.1 | 1.5 |
| 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° | 15725.3 | 100.0 |
| 0°-180° | 15725.3 | 100.0 |



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

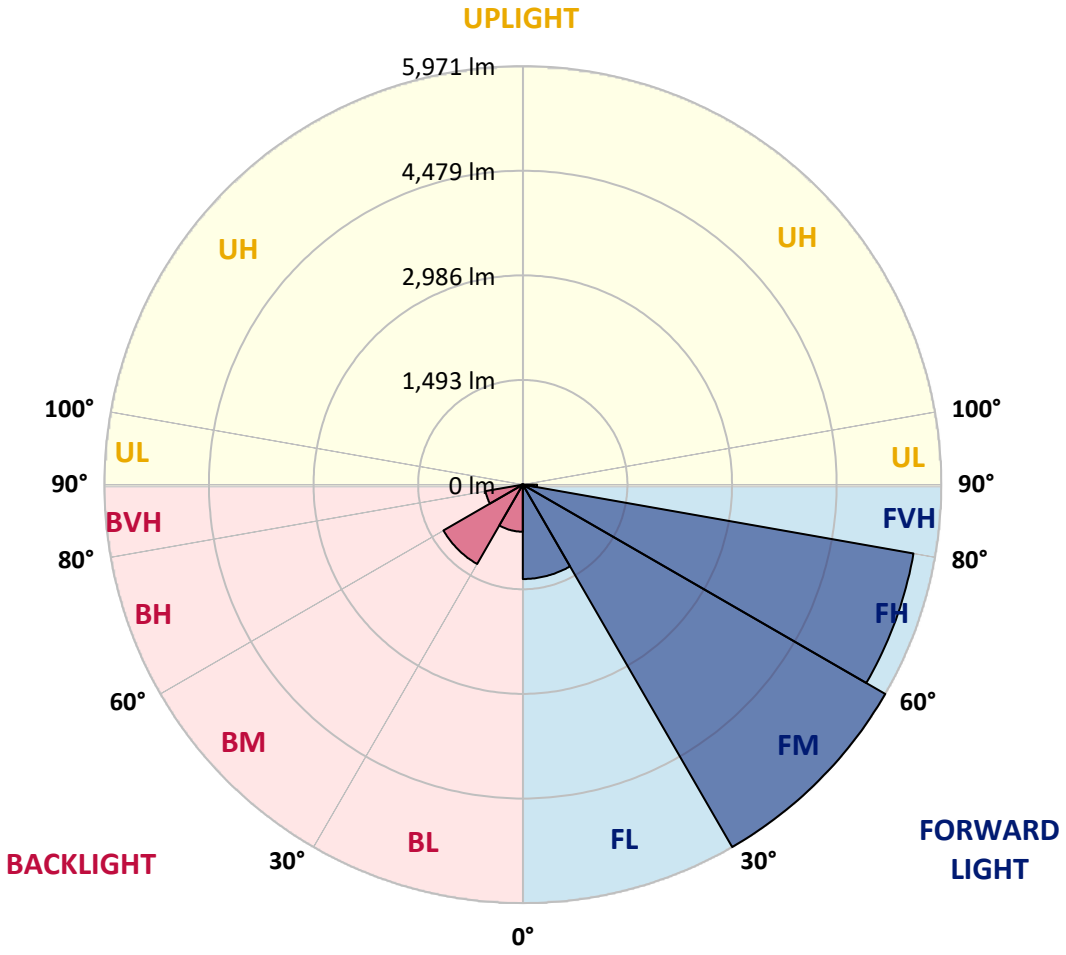
Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1347.0 | 8.6 | | | |
| FM | (30°-60°) | 5971.3 | 38.0 | | | |
| FH | (60°-80°) | 5660.1 | 36.0 | | | G3/7500 |
| FVH | (80°-90°) | 204.8 | 1.3 | | | G2/225 |
| BL | (0°-30°) | 671.7 | 4.3 | B2/1000 | | |
| BM | (30°-60°) | 1307.1 | 8.3 | B2/2500 | | |
| BH | (60°-80°) | 539.9 | 3.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 23.3 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G3**
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 |
| 2.5° | 3066.3 | 3063.4 | 3051.8 | 2979.3 | 2906.9 | 2844.1 | 2781.4 | 2718.6 | 2631.7 | 2564.1 | 2506.1 |
| 5° | 3356.0 | 3340.5 | 3278.7 | 3167.7 | 3046.9 | 2940.7 | 2820.0 | 2704.1 | 2573.7 | 2467.5 | 2356.4 |
| 7.5° | 3554.0 | 3538.5 | 3476.7 | 3293.2 | 3109.7 | 2979.3 | 2849.0 | 2728.2 | 2583.4 | 2443.3 | 2284.0 |
| 10° | 3645.7 | 3628.3 | 3558.8 | 3360.8 | 3148.3 | 2989.0 | 2858.6 | 2747.6 | 2626.8 | 2486.8 | 2288.8 |
| 12.5° | 3708.5 | 3687.2 | 3602.2 | 3375.3 | 3158.0 | 2998.7 | 2863.4 | 2757.2 | 2670.3 | 2588.2 | 2395.1 |
| 15° | 3747.1 | 3727.8 | 3650.5 | 3413.9 | 3162.8 | 2984.2 | 2824.8 | 2723.4 | 2694.4 | 2708.9 | 2617.2 |
| 17.5° | 3805.1 | 3786.7 | 3713.3 | 3462.2 | 3191.8 | 2960.0 | 2742.7 | 2631.7 | 2694.4 | 2824.8 | 2853.8 |
| 20° | 3882.3 | 3863.0 | 3785.7 | 3525.0 | 3215.9 | 2887.6 | 2588.2 | 2482.0 | 2641.3 | 2858.6 | 3008.3 |
| 22.5° | 3969.2 | 3953.8 | 3892.0 | 3597.4 | 3240.1 | 2781.4 | 2385.4 | 2337.1 | 2530.3 | 2762.0 | 2955.2 |
| 25° | 4075.5 | 4061.0 | 4003.0 | 3698.8 | 3264.2 | 2636.5 | 2211.6 | 2221.2 | 2385.4 | 2568.9 | 2766.9 |
| 27.5° | 4220.3 | 4206.8 | 4152.7 | 3824.4 | 3293.2 | 2486.8 | 2071.5 | 2119.8 | 2240.5 | 2366.1 | 2486.8 |
| 30° | 4379.7 | 4369.1 | 4326.6 | 3974.1 | 3351.2 | 2346.8 | 1989.4 | 2018.4 | 2100.5 | 2201.9 | 2274.3 |
| 32.5° | 4597.0 | 4579.6 | 4510.1 | 4114.1 | 3346.3 | 2240.5 | 1950.8 | 1921.8 | 1946.0 | 2028.1 | 2100.5 |
| 35° | 4867.4 | 4853.9 | 4799.8 | 4259.0 | 3259.4 | 2144.0 | 1931.5 | 1830.1 | 1815.6 | 1863.9 | 1936.3 |
| 37.5° | 5263.3 | 5251.7 | 5205.4 | 4495.6 | 3124.2 | 2023.2 | 1883.2 | 1733.5 | 1685.2 | 1719.0 | 1767.3 |
| 40° | 5857.3 | 5827.3 | 5707.6 | 4766.0 | 2974.5 | 1902.5 | 1796.3 | 1617.6 | 1550.0 | 1574.2 | 1627.3 |
| 42.5° | 6663.7 | 6606.7 | 6378.8 | 5128.1 | 2771.7 | 1786.6 | 1665.9 | 1501.7 | 1429.3 | 1443.8 | 1492.1 |
| 45° | 7697.0 | 7611.1 | 7267.3 | 5625.5 | 2559.2 | 1694.9 | 1530.7 | 1381.0 | 1303.8 | 1318.2 | 1371.4 |
| 47.5° | 8904.2 | 8786.4 | 8315.1 | 6147.0 | 2332.3 | 1641.8 | 1424.5 | 1260.3 | 1202.4 | 1236.2 | 1289.3 |
| 50° | 10328.7 | 10209.9 | 9734.8 | 6480.2 | 2148.8 | 1608.0 | 1342.4 | 1149.2 | 1125.1 | 1168.6 | 1212.0 |
| 52.5° | 11883.5 | 11714.5 | 11038.5 | 6267.7 | 1999.1 | 1579.0 | 1313.4 | 1072.0 | 1081.6 | 1115.4 | 1158.9 |
| 55° | 13394.9 | 13019.3 | 11516.6 | 5562.7 | 1806.0 | 1545.2 | 1332.7 | 1014.0 | 1038.2 | 1081.6 | 1115.4 |
| 57.5° | 14380.0 | 13727.2 | 11115.8 | 4481.1 | 1603.1 | 1506.6 | 1347.2 | 985.1 | 1004.4 | 1052.7 | 1091.3 |
| 60° | 13520.5 | 12863.8 | 10236.9 | 3356.0 | 1429.3 | 1424.5 | 1323.1 | 975.4 | 946.4 | 1014.0 | 1047.8 |
| 62.5° | 11077.1 | 10536.3 | 8373.0 | 2144.0 | 1265.1 | 1270.0 | 1270.0 | 970.6 | 849.9 | 936.8 | 965.7 |
| 65° | *7610.1* | *7272.1* | *5920.0* | *1327.9* | *1033.4* | *1081.6* | *1154.1* | *941.6* | *748.5* | *849.9* | *878.8* |
| 67.5° | 5002.6 | 4754.4 | 3761.6 | 820.9 | 796.7 | 888.5 | 999.6 | 883.7 | 671.2 | 762.9 | 782.3 |
| 70° | 2713.8 | 2525.4 | 1772.2 | 540.8 | 521.5 | 695.3 | 787.1 | 748.5 | 603.6 | 680.9 | 700.2 |
| 72.5° | 1791.5 | 1636.9 | 1018.9 | 381.5 | 381.5 | 545.6 | 550.5 | 613.3 | 540.8 | 603.6 | 622.9 |
| 75° | 1347.2 | 1209.1 | 656.7 | 265.6 | 294.6 | 347.7 | 429.8 | 439.4 | 453.9 | 511.8 | 536.0 |
| 77.5° | 618.1 | 542.8 | 241.4 | 159.3 | 217.3 | 241.4 | 328.4 | 280.1 | 338.0 | 381.5 | 391.1 |
| 80° | 357.3 | 312.9 | 135.2 | 106.2 | 140.0 | 154.5 | 270.4 | 164.2 | 202.8 | 270.4 | 284.9 |
| 82.5° | 149.7 | 133.3 | 67.6 | 72.4 | 86.9 | 91.7 | 149.7 | 115.9 | 130.4 | 178.7 | 173.8 |
| 85° | 43.5 | 43.5 | 43.5 | 48.3 | 53.1 | 53.1 | 86.9 | 82.1 | 77.3 | 82.1 | 82.1 |
| 87.5° | 29.0 | 29.0 | 29.0 | 29.0 | 33.8 | 33.8 | 38.6 | 43.5 | 48.3 | 48.3 | 48.3 |
| 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: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 |
| 2.5° | 2482.0 | 2448.2 | 2404.7 | 2341.9 | 2332.3 | 2298.5 | 2274.3 | 2298.5 | 2322.6 | 2366.1 | 2370.9 |
| 5° | 2298.5 | 2245.4 | 2144.0 | 2066.7 | 1979.8 | 1936.3 | 1931.5 | 1921.8 | 1950.8 | 2013.6 | 2052.2 |
| 7.5° | 2197.1 | 2110.2 | 1926.7 | 1791.5 | 1670.7 | 1627.3 | 1593.5 | 1622.5 | 1617.6 | 1699.7 | 1733.5 |
| 10° | 2172.9 | 2037.7 | 1781.8 | 1579.0 | 1429.3 | 1371.4 | 1337.6 | 1332.7 | 1342.4 | 1390.7 | 1424.5 |
| 12.5° | 2259.9 | 2086.0 | 1723.9 | 1424.5 | 1250.6 | 1187.9 | 1149.2 | 1115.4 | 1115.4 | 1125.1 | 1168.6 |
| 15° | 2453.0 | 2245.4 | 1757.7 | 1352.0 | 1163.7 | 1081.6 | 1018.9 | 975.4 | 941.6 | 946.4 | 951.3 |
| 17.5° | 2723.4 | 2477.1 | 1844.6 | 1327.9 | 1110.6 | 1023.7 | 946.4 | 903.0 | 864.3 | 854.7 | 854.7 |
| 20° | 2935.9 | 2699.3 | 1912.2 | 1308.6 | 1067.2 | 956.1 | 888.5 | 849.9 | 816.1 | 801.6 | 801.6 |
| 22.5° | 2960.0 | 2791.0 | 1970.1 | 1284.4 | 1014.0 | 888.5 | 825.7 | 791.9 | 767.8 | 762.9 | 762.9 |
| 25° | 2800.7 | 2718.6 | 1950.8 | 1255.5 | 960.9 | 825.7 | 777.4 | 748.5 | 724.3 | 719.5 | 724.3 |
| 27.5° | 2535.1 | 2491.6 | 1883.2 | 1216.8 | 917.5 | 777.4 | 734.0 | 709.8 | 685.7 | 680.9 | 685.7 |
| 30° | 2298.5 | 2250.2 | 1767.3 | 1154.1 | 883.7 | 738.8 | 690.5 | 666.4 | 642.2 | 642.2 | 647.1 |
| 32.5° | 2105.3 | 2057.0 | 1651.4 | 1081.6 | 840.2 | 695.3 | 651.9 | 627.7 | 603.6 | 603.6 | 613.3 |
| 35° | 1931.5 | 1892.9 | 1559.7 | 1009.2 | 796.7 | 656.7 | 608.4 | 589.1 | 569.8 | 565.0 | 574.6 |
| 37.5° | 1781.8 | 1762.5 | 1477.6 | 931.9 | 753.3 | 618.1 | 574.6 | 555.3 | 531.2 | 526.3 | 536.0 |
| 40° | 1636.9 | 1627.3 | 1385.9 | 864.3 | 700.2 | 579.4 | 536.0 | 516.7 | 487.7 | 487.7 | 497.4 |
| 42.5° | 1501.7 | 1496.9 | 1303.8 | 820.9 | 651.9 | 540.8 | 492.5 | 473.2 | 449.1 | 449.1 | 458.7 |
| 45° | 1395.5 | 1390.7 | 1226.5 | 796.7 | 603.6 | 497.4 | 453.9 | 429.8 | 410.4 | 415.3 | 424.9 |
| 47.5° | 1298.9 | 1289.3 | 1144.4 | 801.6 | 579.4 | 468.4 | 410.4 | 386.3 | 371.8 | 381.5 | 396.0 |
| 50° | 1221.7 | 1212.0 | 1086.5 | 806.4 | 540.8 | 429.8 | 376.6 | 352.5 | 342.8 | 357.3 | 371.8 |
| 52.5° | 1173.4 | 1163.7 | 1028.5 | 777.4 | 492.5 | 400.8 | 342.8 | 328.4 | 328.4 | 342.8 | 352.5 |
| 55° | 1125.1 | 1115.4 | 931.9 | 714.7 | 439.4 | 371.8 | 318.7 | 309.0 | 309.0 | 323.5 | 333.2 |
| 57.5° | 1096.1 | 1076.8 | 830.5 | 642.2 | 396.0 | 338.0 | 294.6 | 294.6 | 294.6 | 299.4 | 304.2 |
| 60° | 1052.7 | 1004.4 | 724.3 | 550.5 | 362.2 | 304.2 | 275.2 | 270.4 | 270.4 | 265.6 | 270.4 |
| 62.5° | 960.9 | 878.8 | 608.4 | 468.4 | 323.5 | 275.2 | 251.1 | 246.3 | 231.8 | 217.3 | 222.1 |
| 65° | *869.2* | *743.6* | *482.9* | *391.1* | *280.1* | *236.6* | *222.1* | *217.3* | *193.1* | *173.8* | *178.7* |
| 67.5° | 753.3 | 593.9 | 362.2 | 328.4 | 241.4 | 202.8 | 188.3 | 188.3 | 173.8 | 159.3 | 159.3 |
| 70° | 671.2 | 463.6 | 304.2 | 246.3 | 193.1 | 159.3 | 159.3 | 169.0 | 154.5 | 135.2 | 135.2 |
| 72.5° | 593.9 | 376.6 | 246.3 | 198.0 | 149.7 | 125.5 | 135.2 | 140.0 | 125.5 | 111.1 | 111.1 |
| 75° | 507.0 | 294.6 | 193.1 | 154.5 | 111.1 | 96.6 | 101.4 | 111.1 | 101.4 | 86.9 | 91.7 |
| 77.5° | 367.0 | 202.8 | 130.4 | 101.4 | 82.1 | 72.4 | 77.3 | 77.3 | 72.4 | 67.6 | 67.6 |
| 80° | 255.9 | 135.2 | 86.9 | 67.6 | 57.9 | 53.1 | 53.1 | 48.3 | 48.3 | 53.1 | 53.1 |
| 82.5° | 154.5 | 96.6 | 62.8 | 53.1 | 43.5 | 33.8 | 33.8 | 38.6 | 38.6 | 43.5 | 43.5 |
| 85° | 67.6 | 57.9 | 43.5 | 38.6 | 29.0 | 24.1 | 29.0 | 29.0 | 33.8 | 38.6 | 38.6 |
| 87.5° | 43.5 | 43.5 | 33.8 | 29.0 | 24.1 | 19.3 | 19.3 | 24.1 | 24.1 | 29.0 | 33.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 |
| 2.5° | 2390.2 | 2438.5 | 2496.5 | 2578.6 | 2651.0 | 2737.9 | 2824.8 | 2906.9 | 2984.2 | 2993.8 | 3027.6 |
| 5° | 2081.2 | 2172.9 | 2288.8 | 2424.0 | 2588.2 | 2762.0 | 2931.0 | 3109.7 | 3254.6 | 3307.7 | 3385.0 |
| 7.5° | 1762.5 | 1878.4 | 2047.4 | 2255.0 | 2486.8 | 2747.6 | 3008.3 | 3259.4 | 3476.7 | 3578.1 | 3679.5 |
| 10° | 1458.3 | 1569.3 | 1777.0 | 2028.1 | 2327.5 | 2680.0 | 3027.6 | 3365.6 | 3631.2 | 3747.1 | 3843.7 |
| 12.5° | 1183.0 | 1294.1 | 1463.1 | 1752.8 | 2115.0 | 2539.9 | 2998.7 | 3404.3 | 3698.8 | 3819.5 | 3911.3 |
| 15° | 965.7 | 1057.5 | 1216.8 | 1487.3 | 1868.7 | 2346.8 | 2897.2 | 3375.3 | 3713.3 | 3829.2 | 3896.8 |
| 17.5° | 849.9 | 874.0 | 975.4 | 1221.7 | 1636.9 | 2172.9 | 2766.9 | 3336.7 | 3723.0 | 3829.2 | 3867.8 |
| 20° | 801.6 | 801.6 | 820.9 | 951.3 | 1356.9 | 1989.4 | 2670.3 | 3312.5 | 3737.5 | 3843.7 | 3838.9 |
| 22.5° | 758.1 | 767.8 | 767.8 | 796.7 | 1033.4 | 1733.5 | 2568.9 | 3302.9 | 3780.9 | 3863.0 | 3795.4 |
| 25° | 719.5 | 734.0 | 734.0 | 743.6 | 811.2 | 1429.3 | 2443.3 | 3322.2 | 3858.2 | 3901.6 | 3766.4 |
| 27.5° | 685.7 | 700.2 | 700.2 | 709.8 | 724.3 | 1062.3 | 2235.7 | 3327.0 | 3945.1 | 3949.9 | 3727.8 |
| 30° | 651.9 | 666.4 | 676.0 | 676.0 | 685.7 | 782.3 | 1975.0 | 3298.0 | 4041.7 | 4012.7 | 3723.0 |
| 32.5° | 613.3 | 632.6 | 637.4 | 647.1 | 651.9 | 680.9 | 1636.9 | 3249.7 | 4162.4 | 4099.6 | 3727.8 |
| 35° | 579.4 | 603.6 | 608.4 | 608.4 | 618.1 | 647.1 | 1308.6 | 3196.6 | 4326.6 | 4215.5 | 3747.1 |
| 37.5° | 545.6 | 565.0 | 569.8 | 574.6 | 584.3 | 613.3 | 1038.2 | 3119.4 | 4466.6 | 4360.4 | 3843.7 |
| 40° | 507.0 | 531.2 | 536.0 | 540.8 | 550.5 | 579.4 | 893.3 | 3022.8 | 4679.1 | 4601.8 | 3988.5 |
| 42.5° | 468.4 | 492.5 | 502.2 | 507.0 | 511.8 | 550.5 | 816.1 | 2955.2 | 5021.9 | 4939.8 | 4283.1 |
| 45° | 434.6 | 458.7 | 468.4 | 468.4 | 478.0 | 531.2 | 748.5 | 3104.9 | 5495.1 | 5456.5 | 4679.1 |
| 47.5° | 405.6 | 429.8 | 434.6 | 434.6 | 439.4 | 502.2 | 690.5 | 3505.7 | 6219.4 | 6118.0 | 5297.1 |
| 50° | 381.5 | 400.8 | 410.4 | 400.8 | 405.6 | 478.0 | 724.3 | 4167.2 | 7146.5 | 7180.3 | 6204.9 |
| 52.5° | 362.2 | 381.5 | 386.3 | 367.0 | 367.0 | 444.2 | 767.8 | 4708.0 | 8329.6 | 8638.6 | 7643.9 |
| 55° | 338.0 | 357.3 | 362.2 | 338.0 | 338.0 | 391.1 | 666.4 | 4741.8 | 9676.8 | 10671.5 | 9517.5 |
| 57.5° | 313.9 | 333.2 | 333.2 | 313.9 | 309.0 | 338.0 | 540.8 | 4205.8 | 10719.8 | 12974.8 | 12081.5 |
| 60° | 284.9 | 304.2 | 299.4 | 289.7 | 280.1 | 309.0 | 497.4 | 3206.3 | 10579.8 | 14476.6 | 15022.2 |
| 62.5° | 231.8 | 260.8 | 270.4 | 265.6 | 246.3 | 280.1 | 463.6 | 2090.8 | 9155.3 | 13172.8 | 14930.5 |
| 65° | *193.1* | *217.3* | *231.8* | *231.8* | *217.3* | *309.0* | *405.6* | *1101.0* | *7330.0* | *11178.6* | *13163.2* |
| 67.5° | 169.0 | 193.1 | 202.8 | 198.0 | 188.3 | 275.2 | 255.9 | 531.2 | 5620.7 | 9633.4 | 11782.1 |
| 70° | 149.7 | 169.0 | 178.7 | 164.2 | 154.5 | 222.1 | 183.5 | 313.9 | 3761.6 | 8039.9 | 10492.9 |
| 72.5° | 120.7 | 140.0 | 149.7 | 135.2 | 120.7 | 164.2 | 140.0 | 207.6 | 2448.2 | 6852.0 | 9324.3 |
| 75° | 96.6 | 115.9 | 120.7 | 111.1 | 96.6 | 120.7 | 111.1 | 144.9 | 1598.3 | 5668.9 | 7928.8 |
| 77.5° | 72.4 | 82.1 | 91.7 | 86.9 | 72.4 | 86.9 | 77.3 | 101.4 | 912.6 | 3978.9 | 5562.7 |
| 80° | 57.9 | 62.8 | 62.8 | 62.8 | 57.9 | 53.1 | 53.1 | 67.6 | 410.4 | 1960.5 | 2902.1 |
| 82.5° | 48.3 | 53.1 | 53.1 | 48.3 | 43.5 | 38.6 | 33.8 | 38.6 | 120.7 | 878.8 | 1337.6 |
| 85° | 43.5 | 48.3 | 38.6 | 33.8 | 29.0 | 24.1 | 14.5 | 14.5 | 33.8 | 140.0 | 260.8 |
| 87.5° | 33.8 | 29.0 | 24.1 | 19.3 | 9.7 | 4.8 | 4.8 | 0.0 | 4.8 | 4.8 | 4.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1364585
CATALOG NUMBER: GSS-SB3C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 2718.6 |
| 2.5° | 3080.7 | 3129.0 | 3162.8 | 3191.8 | 3182.1 | 3158.0 | 3109.7 | 3075.9 | 3068.2 | 3066.3 |
| 5° | 3486.4 | 3563.6 | 3631.2 | 3621.6 | 3631.2 | 3558.8 | 3486.4 | 3399.4 | 3364.7 | 3356.0 |
| 7.5° | 3824.4 | 3920.9 | 4003.0 | 3993.4 | 3964.4 | 3882.3 | 3761.6 | 3631.2 | 3569.4 | 3554.0 |
| 10° | 4007.9 | 4118.9 | 4186.5 | 4162.4 | 4114.1 | 4007.9 | 3887.1 | 3732.6 | 3663.1 | 3645.7 |
| 12.5° | 4041.7 | 4114.1 | 4099.6 | 4089.9 | 4080.3 | 4027.2 | 3935.4 | 3795.4 | 3725.9 | 3708.5 |
| 15° | 3954.7 | 3925.8 | 3843.7 | 3824.4 | 3896.8 | 3964.4 | 3945.1 | 3829.2 | 3763.5 | 3747.1 |
| 17.5° | 3809.9 | 3660.2 | 3510.5 | 3491.2 | 3611.9 | 3800.2 | 3949.9 | 3882.3 | 3820.5 | 3805.1 |
| 20° | 3650.5 | 3370.5 | 3206.3 | 3172.5 | 3322.2 | 3602.2 | 3896.8 | 3935.4 | 3892.9 | 3882.3 |
| 22.5° | 3462.2 | 3133.9 | 2960.0 | 2940.7 | 3051.8 | 3380.1 | 3819.5 | 3993.4 | 3974.1 | 3969.2 |
| 25° | 3298.0 | 2926.2 | 2762.0 | 2733.1 | 2877.9 | 3196.6 | 3742.3 | 4089.9 | 4078.4 | 4075.5 |
| 27.5° | 3162.8 | 2776.5 | 2602.7 | 2583.4 | 2723.4 | 3042.1 | 3645.7 | 4172.0 | 4210.7 | 4220.3 |
| 30° | 3056.6 | 2665.5 | 2491.6 | 2467.5 | 2622.0 | 2935.9 | 3578.1 | 4287.9 | 4361.3 | 4379.7 |
| 32.5° | 2974.5 | 2602.7 | 2438.5 | 2424.0 | 2588.2 | 2892.4 | 3539.5 | 4408.6 | 4559.3 | 4597.0 |
| 35° | 2945.5 | 2622.0 | 2510.9 | 2544.7 | 2670.3 | 2935.9 | 3568.4 | 4606.6 | 4815.2 | 4867.4 |
| 37.5° | 3008.3 | 2834.5 | 2911.7 | 2998.7 | 3046.9 | 3143.5 | 3703.6 | 4925.3 | 5195.7 | 5263.3 |
| 40° | 3211.1 | 3404.3 | 3766.4 | 3935.4 | 3916.1 | 3694.0 | 4012.7 | 5374.4 | 5760.7 | 5857.3 |
| 42.5° | 3727.8 | 4355.5 | 5123.3 | 5408.2 | 5244.0 | 4572.8 | 4505.2 | 6113.2 | 6553.6 | 6663.7 |
| 45° | 4495.6 | 5504.8 | 6765.1 | 7407.3 | 6842.3 | 5688.3 | 5282.6 | 7165.9 | 7590.8 | 7697.0 |
| 47.5° | 5263.3 | 6789.2 | 8793.1 | 9556.1 | 8445.5 | 6794.0 | 6301.5 | 8426.2 | 8808.6 | 8904.2 |
| 50° | 6045.6 | 8208.9 | 10816.4 | 11835.3 | 10043.8 | 7919.1 | 7383.2 | 9981.0 | 10259.2 | 10328.7 |
| 52.5° | 6852.0 | 9478.8 | 13047.3 | 13926.1 | 11714.5 | 8788.3 | 8619.3 | 11675.9 | 11842.0 | 11883.5 |
| 55° | 7750.1 | 10681.2 | 15283.0 | 15992.8 | 13235.6 | 9546.4 | 10067.9 | 13448.1 | 13405.6 | 13394.9 |
| 57.5° | 8947.7 | 11946.3 | 17084.1 | 18074.0 | 14616.6 | 10570.1 | 12004.3 | 15418.2 | 14587.6 | 14380.0 |
| 60° | 11038.5 | 13911.6 | 19324.6 | 20401.5 | 16466.0 | 12067.0 | 13428.7 | 15374.7 | 13891.3 | 13520.5 |
| 62.5° | 13462.5 | 15804.5 | 21352.7 | 22260.5 | 18412.0 | 13554.3 | 12294.0 | 12912.1 | 11444.1 | 11077.1 |
| 65° | 11695.2 | 15471.3 | 21415.5 | 22347.4 | 18484.4 | 12646.5 | 9087.7 | 9155.3 | 7919.1 | 7610.1 |
| 67.5° | 9952.0 | 13713.6 | 19503.3 | 20237.3 | 16490.2 | 10454.2 | 6026.3 | 5973.2 | 5196.7 | 5002.6 |
| 70° | 8860.8 | 12013.9 | 16808.9 | 16176.3 | 13863.3 | 8836.6 | 4003.0 | 3317.3 | 2834.5 | 2713.8 |
| 72.5° | 7962.6 | 9531.9 | 13621.9 | 11149.6 | 11502.1 | 7190.0 | 2544.7 | 2259.9 | 1885.1 | 1791.5 |
| 75° | 7209.3 | 7885.3 | 8498.6 | 7706.7 | 8170.2 | 5924.9 | 2158.5 | 1743.2 | 1426.4 | 1347.2 |
| 77.5° | 5736.6 | 6137.3 | 5031.6 | 4886.7 | 5722.1 | 4215.5 | 1072.0 | 734.0 | 641.3 | 618.1 |
| 80° | 3413.9 | 2902.1 | 2853.8 | 3254.6 | 3809.9 | 2187.4 | 656.7 | 405.6 | 367.0 | 357.3 |
| 82.5° | 2066.7 | 1047.8 | 1139.6 | 1439.0 | 2028.1 | 994.7 | 391.1 | 173.8 | 154.5 | 149.7 |
| 85° | 347.7 | 284.9 | 439.4 | 420.1 | 396.0 | 212.5 | 106.2 | 48.3 | 44.4 | 43.5 |
| 87.5° | 9.7 | 14.5 | 19.3 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 28.0 | 29.0 |
| 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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

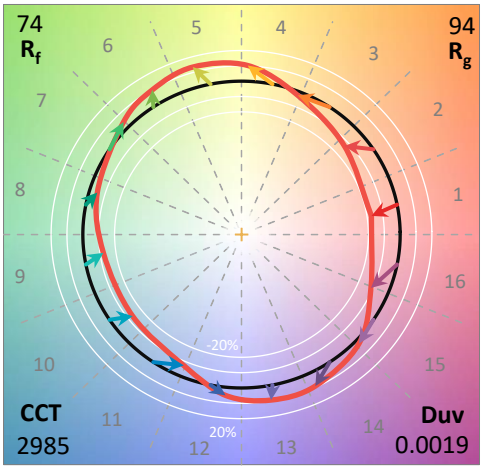
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-4 |
| 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-730-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2985 |
| CIE u': | 0.2504 |
| CIE v': | 0.5243 |
| Duv: | 0.0019 |
| CIE x: | 0.4408 |
| CIE y: | 0.4101 |
| CIE z: | 0.1491 |
| Peak Wavelength (nm): | 595 |
| Dominant Wavelength (nm): | 582 |
| Purity: | 55.41818 |
| Rf: | 73.8 |
| Rg: | 94.4 |

| | |
|---|---|
| CRI (Ra): | 70.8 |
| R1: | 66.3 |
| R2: | 80.6 |
| R3: | 94.5 |
| R4: | 68.2 |
| R5: | 66.5 |
| R6: | 74.7 |
| R7: | 76.2 |
| R8: | 39.6 |
| R9: | -43.2 |
| R10: | 57.6 |
| R11: | 64.8 |
| R12: | 53.5 |
| R13: | 68.7 |
| R14: | 97.0 |
| R15: | 56.4 |




## Test Conditions

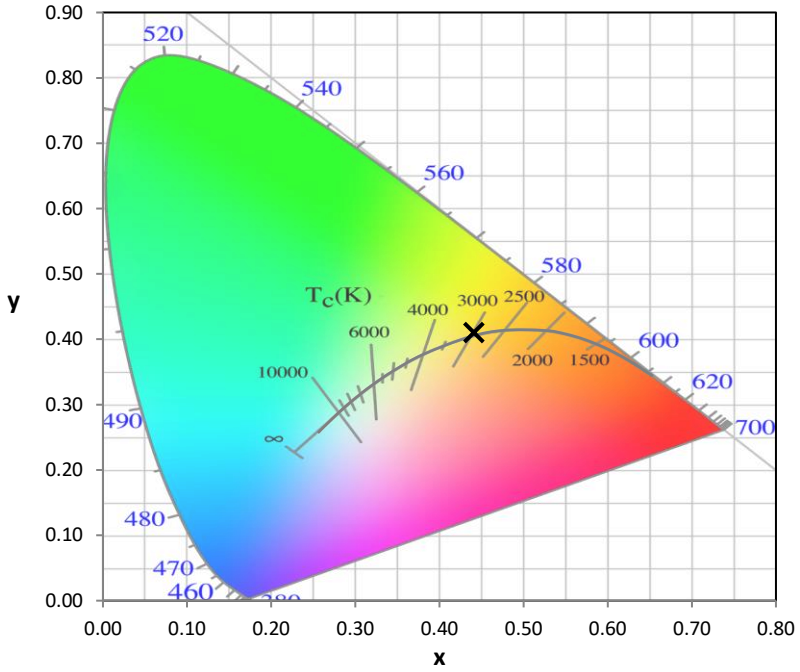
| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-4

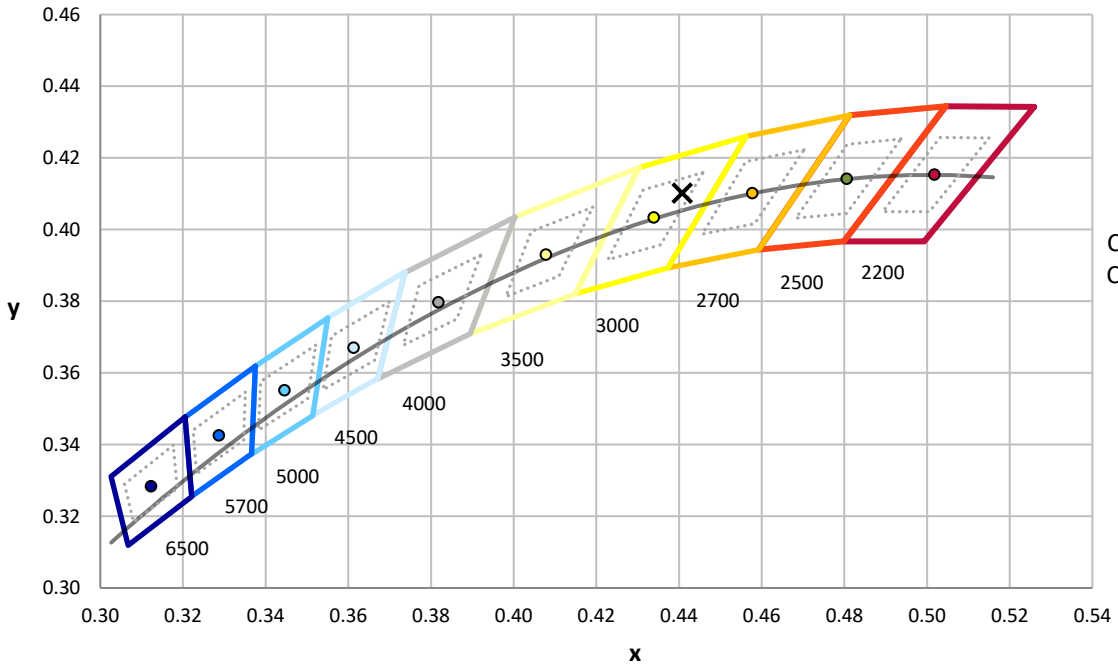
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-4

## CIE 1931 Chromaticity Diagram




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

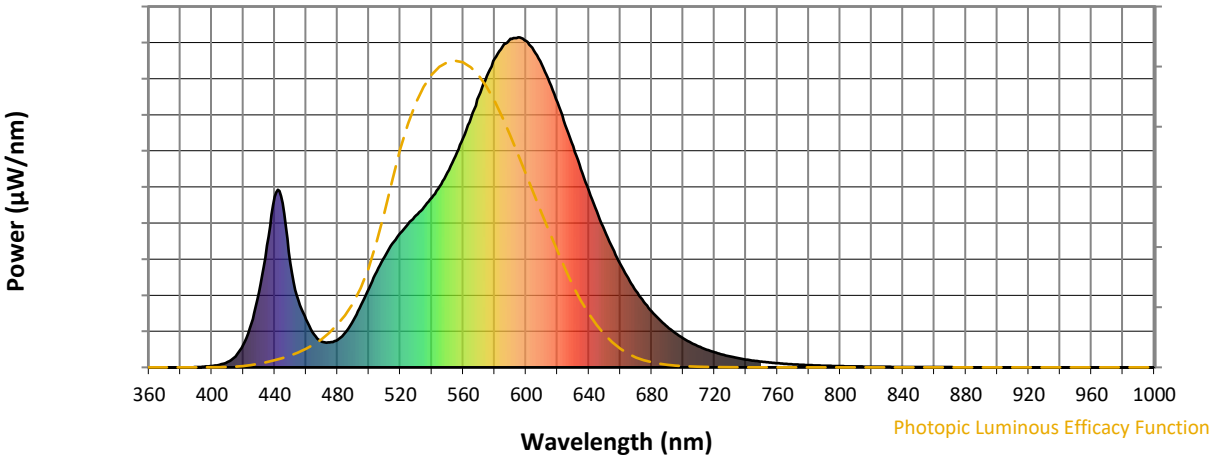



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

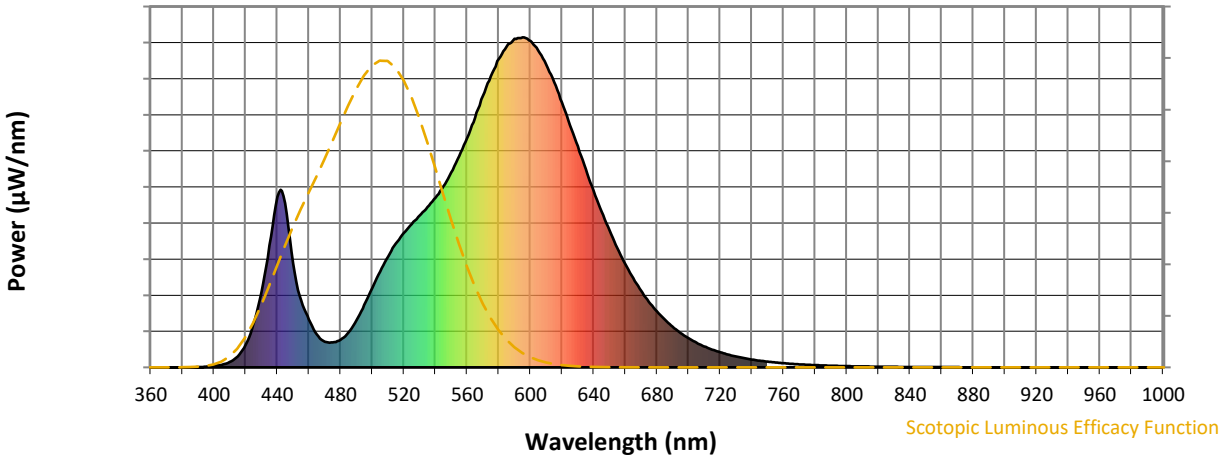



## Photopic Lumens: NR

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Scotopic Flux vs. Wavelength

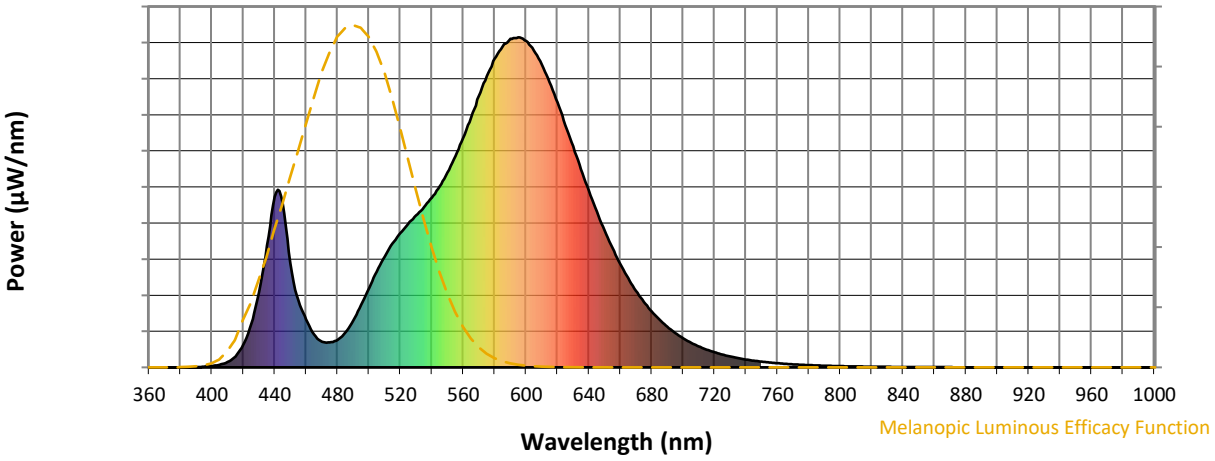



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.13**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

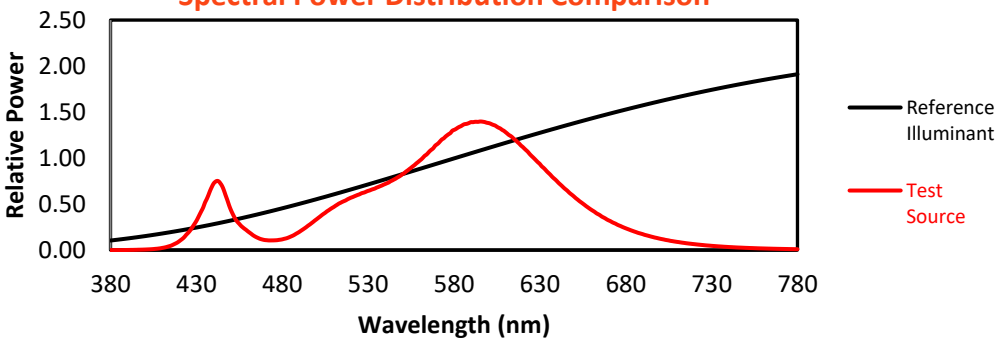
REPORT NUMBER: SP1-2407-184-4

# TM-30-18

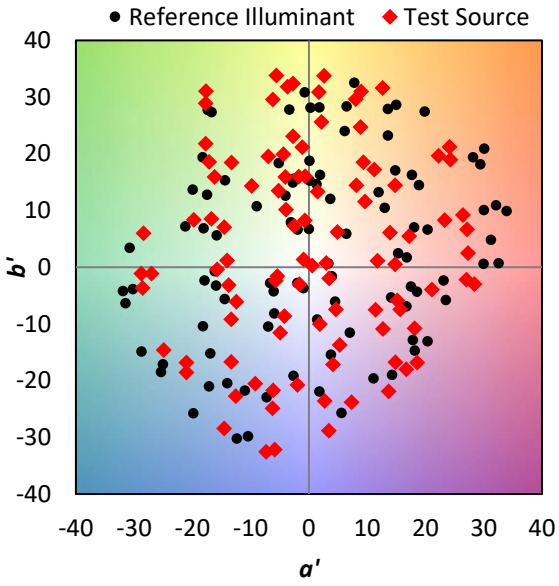
## Summary

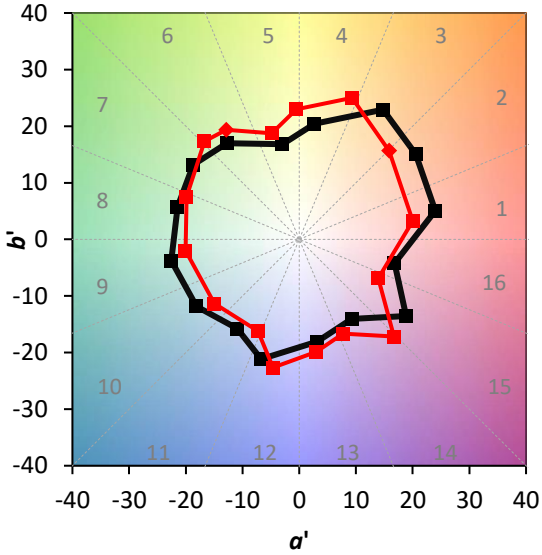
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

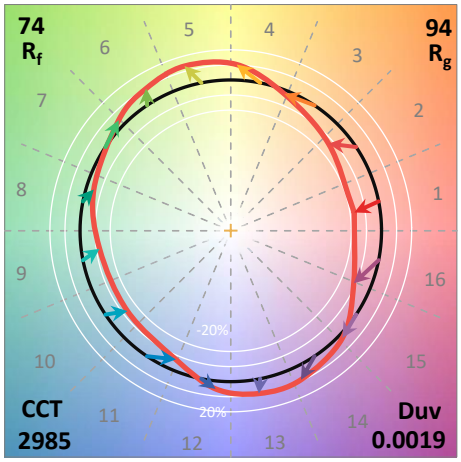
## Spectral Power Distribution Comparison

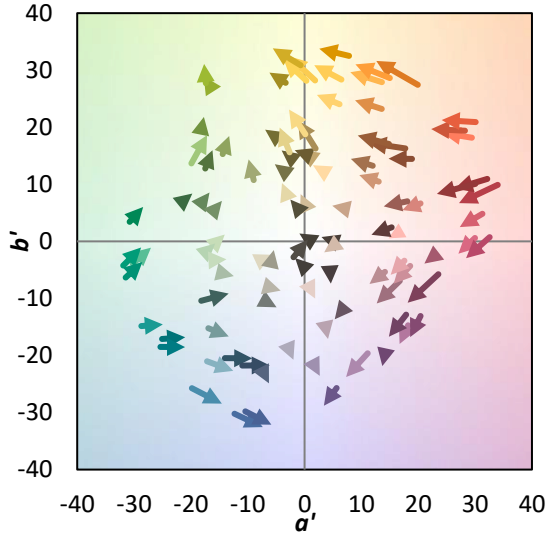



## Color Vector Graphics



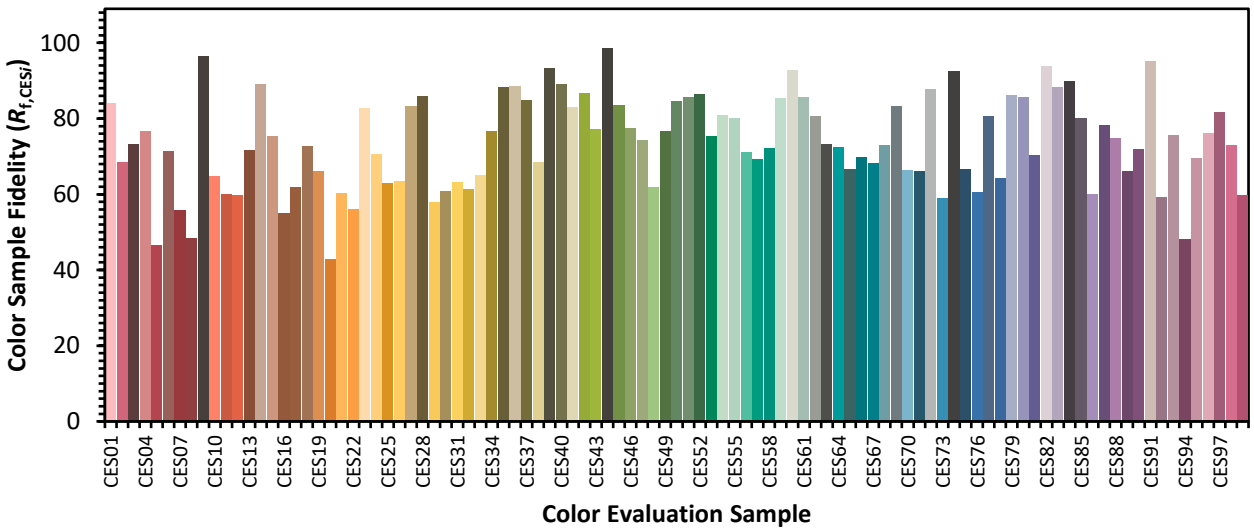



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

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

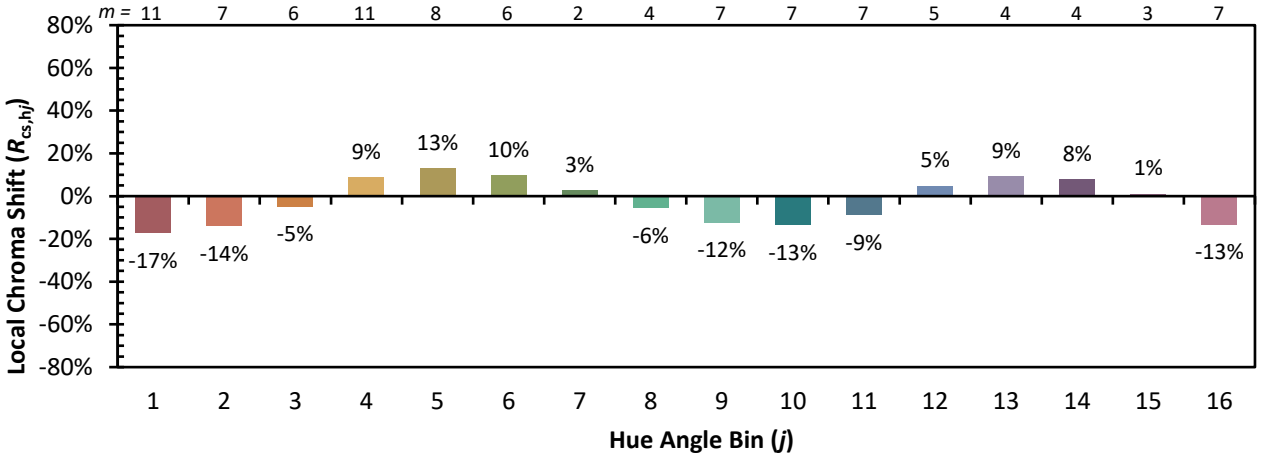
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 51 | CES31 = 63 | CES56 = 71 | CES81 = 70 |
| CES07 = 41 | CES32 = 61 | CES57 = 69 | CES82 = 94 |
| CES08 = 40 | CES33 = 65 | CES58 = 72 | CES83 = 88 |
| CES09 = 29 | CES34 = 77 | CES59 = 85 | CES84 = 90 |
| CES10 = 76 | CES35 = 88 | CES60 = 93 | CES85 = 80 |
| CES11 = 59 | CES36 = 89 | CES61 = 86 | CES86 = 60 |
| CES12 = 65 | CES37 = 85 | CES62 = 81 | CES87 = 78 |
| CES13 = 43 | CES38 = 69 | CES63 = 73 | CES88 = 75 |
| CES14 = 74 | CES39 = 93 | CES64 = 72 | CES89 = 66 |
| CES15 = 71 | CES40 = 89 | CES65 = 67 | CES90 = 72 |
| CES16 = 47 | CES41 = 83 | CES66 = 70 | CES91 = 95 |
| CES17 = 50 | CES42 = 87 | CES67 = 68 | CES92 = 59 |
| CES18 = 56 | CES43 = 77 | CES68 = 73 | CES93 = 76 |
| CES19 = 73 | CES44 = 99 | CES69 = 83 | CES94 = 48 |
| CES20 = 66 | CES45 = 83 | CES70 = 66 | CES95 = 70 |
| CES21 = 87 | CES46 = 77 | CES71 = 66 | CES96 = 76 |
| CES22 = 79 | CES47 = 74 | CES72 = 88 | CES97 = 82 |
| CES23 = 92 | CES48 = 62 | CES73 = 59 | CES98 = 73 |
| CES24 = 91 | CES49 = 77 | CES74 = 93 | CES99 = 60 |
| CES25 = 73 | CES50 = 85 | CES75 = 67 | |

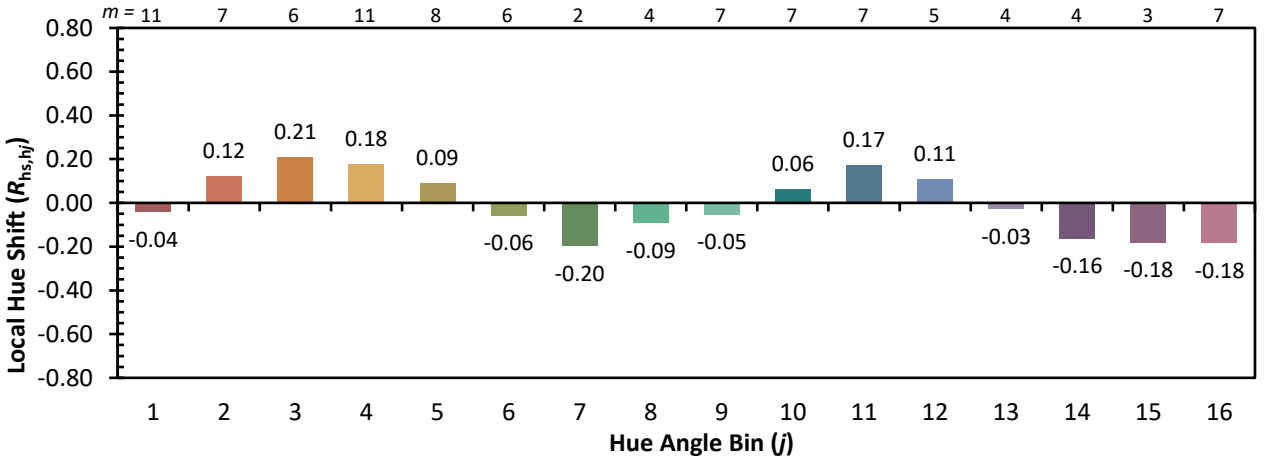


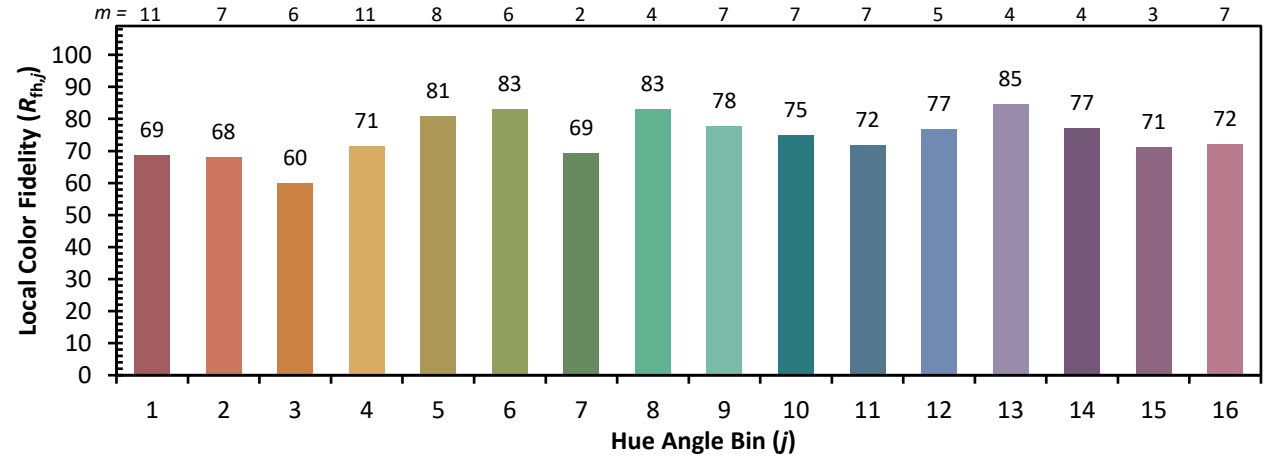
REPORT NUMBER: SP1-2407-184-4

**TM-30-18**

## Color Rendition by Hue-Angle Bin



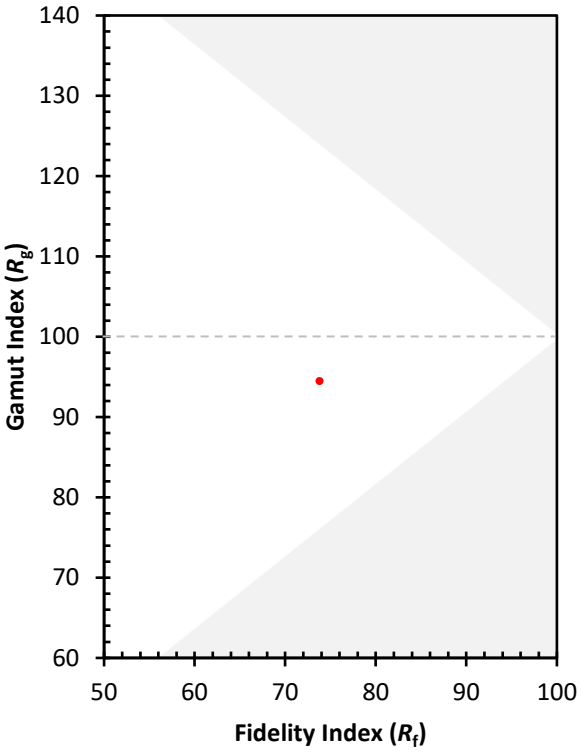



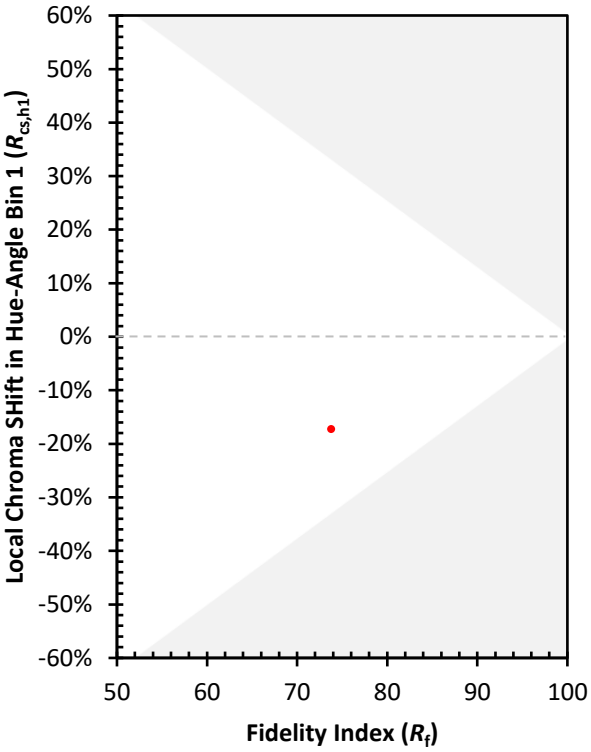



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

## Measure Comparisons




(END OF REPORT)