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: P1365352

Luminaire Tested: **GSS-SB3B-730-U-SLL-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: | P1365352 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3B-730-U-SLL-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC 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: | 11932.8 lumens |
| Efficiency: | N/A |
| Efficacy: | 109.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B2 - U0 - G2 |

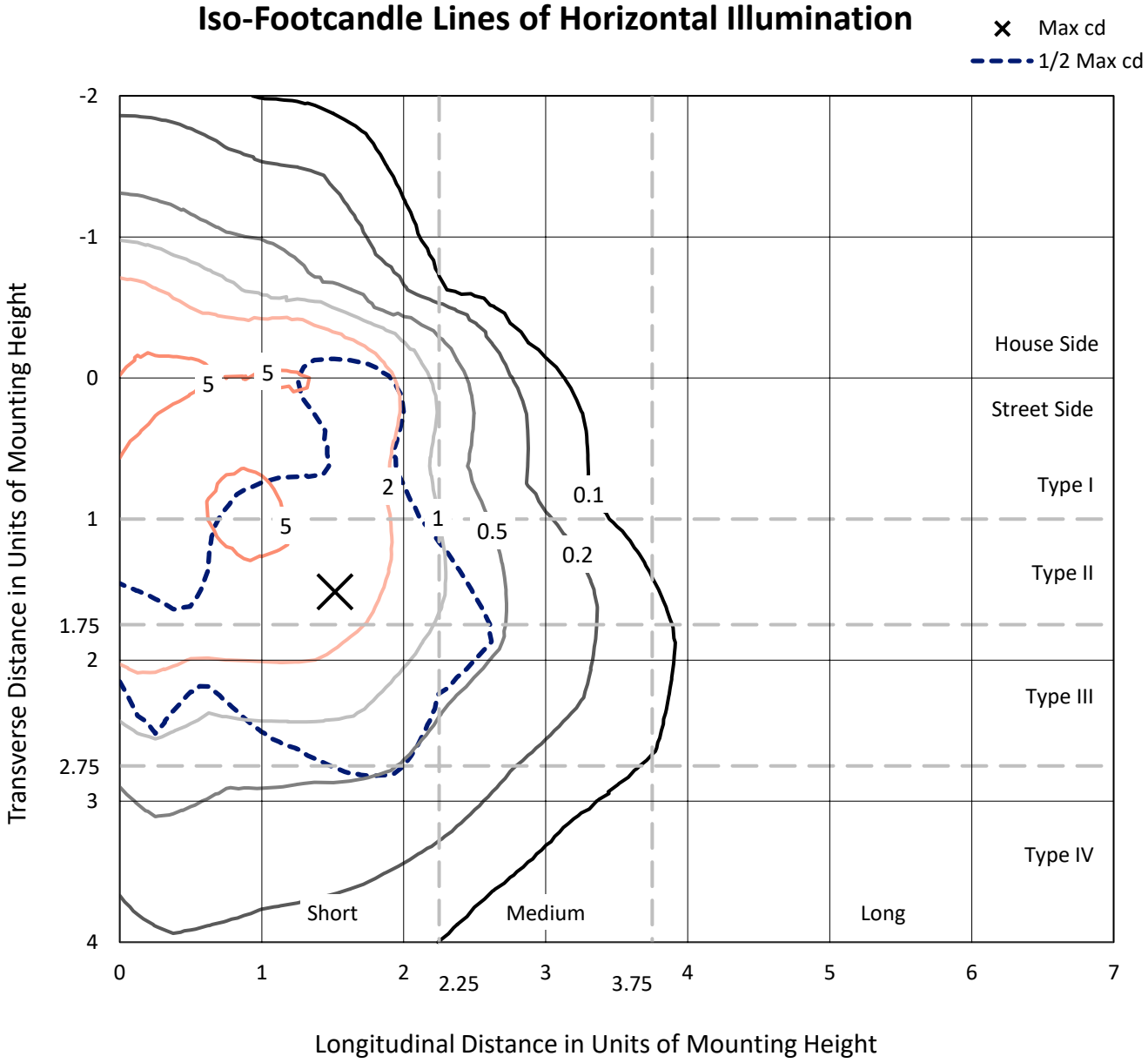
| | |
|---|---|
| Input Watts (W): | 109 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 8.7% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



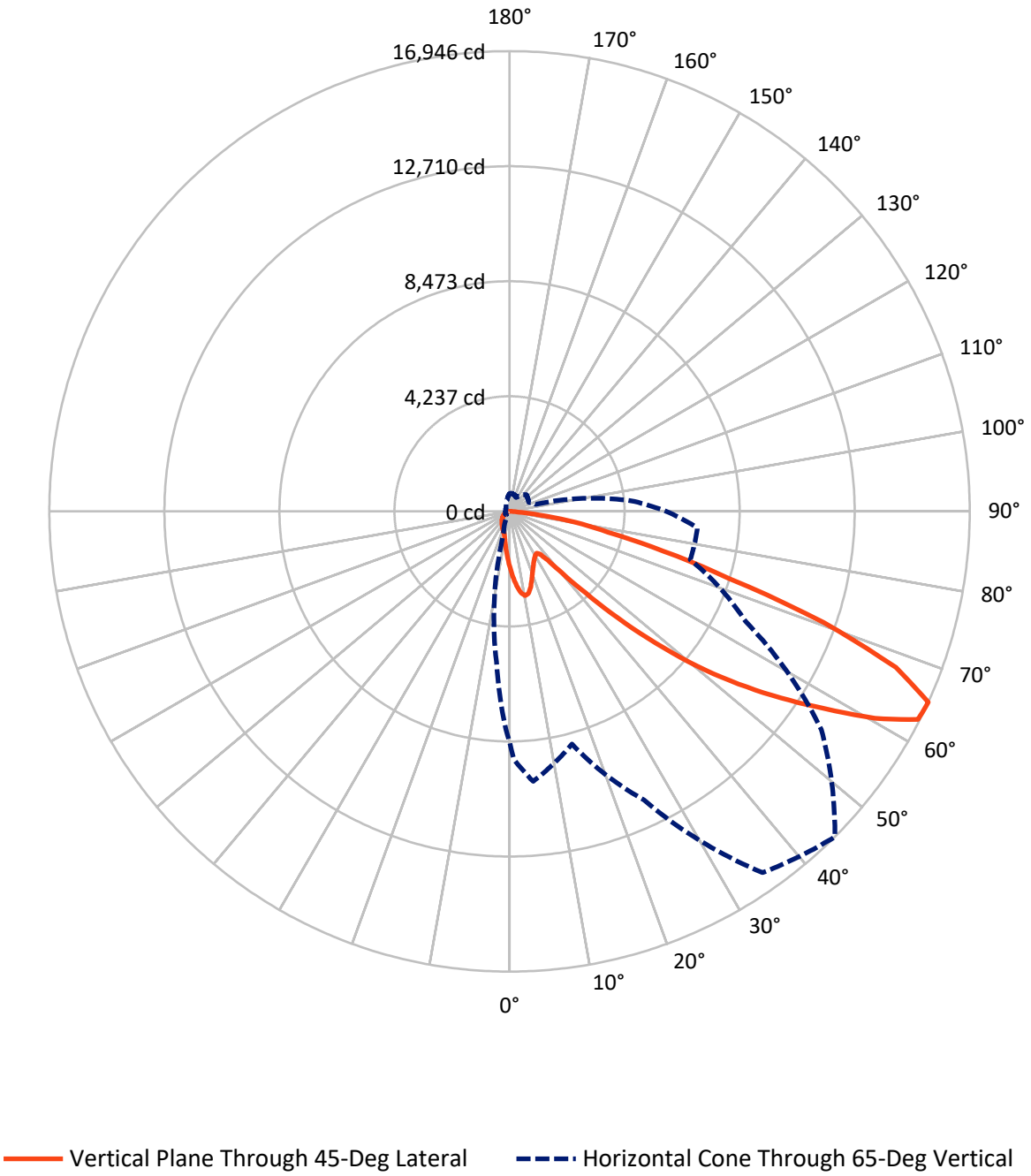

Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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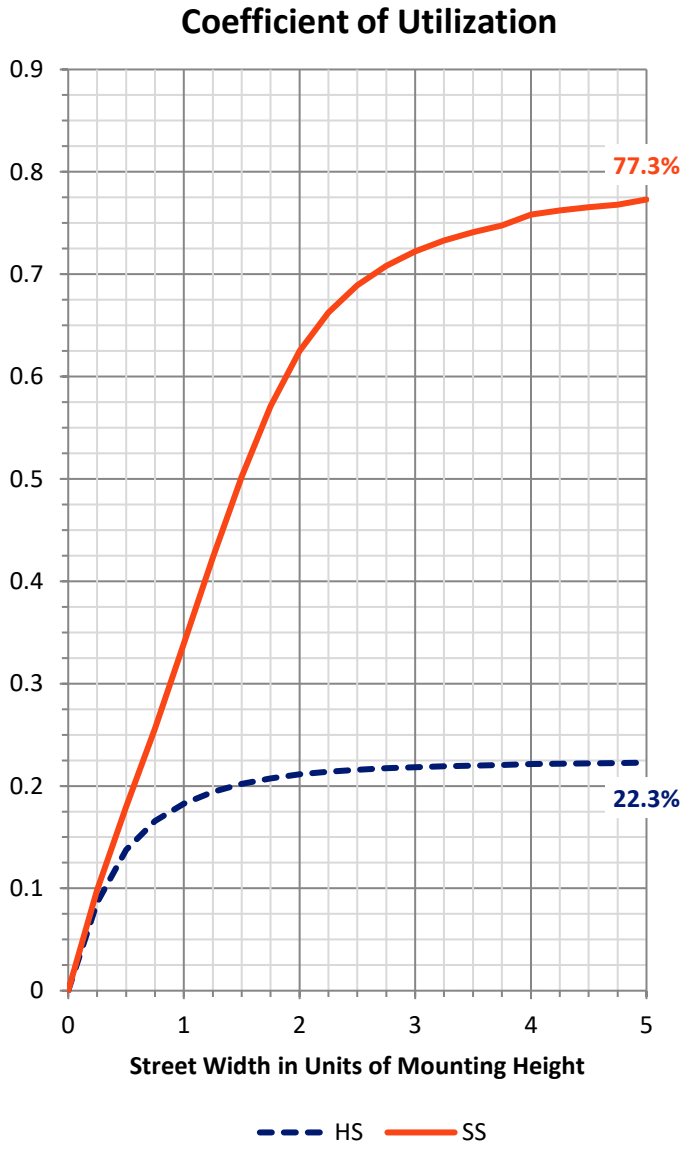
REPORT NUMBER: P1365352
CATALOG NUMBER: GSS-SB3B-730-U-SLL-HSS

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2684.2 | 0.0 | 2684.2 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| **Street Side** | Lumens | 9248.6 | 0.0 | 9248.6 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| **Total** | Lumens | 11932.8 | 0.0 | 11932.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 198.1 | 1.7 |
| 10°-20° | 548.0 | 4.6 |
| 20°-30° | 784.9 | 6.6 |
| 30°-40° | 984.5 | 8.3 |
| 40°-50° | 1617.2 | 13.6 |
| 50°-60° | 2919.9 | 24.5 |
| 60°-70° | 3241.6 | 27.2 |
| 70°-80° | 1465.3 | 12.3 |
| 80°-90° | 173.4 | 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° | 11932.8 | 100.0 |
| 0°-180° | 11932.8 | 100.0 |



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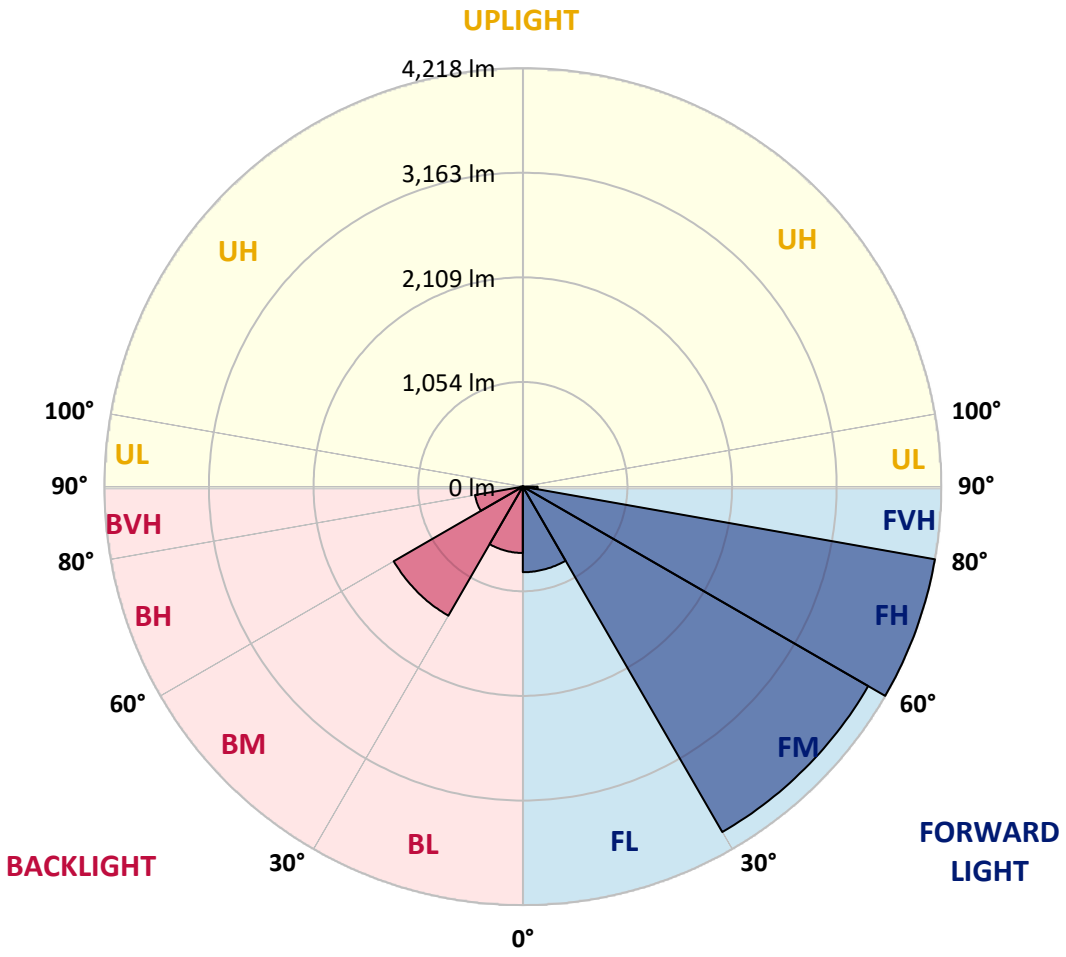
Scaled Data Report

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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°) | 862.0 | 7.2 | | | |
| FM | (30°-60°) | 4019.7 | 33.7 | | | |
| FH | (60°-80°) | 4217.9 | 35.3 | | | G2/5000 |
| FVH | (80°-90°) | 148.9 | 1.2 | | | G2/225 |
| BL | (0°-30°) | 668.9 | 5.6 | B2/1000 | | |
| BM | (30°-60°) | 1501.9 | 12.6 | B2/2500 | | |
| BH | (60°-80°) | 488.9 | 4.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 24.5 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G2**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 |
| 2.5° | 2270.3 | 2299.5 | 2295.9 | 2336.2 | 2372.8 | 2398.4 | 2420.4 | 2413.1 | 2394.8 | 2358.1 | 2332.5 |
| 5° | 2508.3 | 2530.2 | 2566.9 | 2643.7 | 2702.3 | 2753.6 | 2746.3 | 2753.6 | 2698.7 | 2643.7 | 2577.8 |
| 7.5° | 2713.3 | 2739.0 | 2790.2 | 2900.1 | 2973.3 | 3035.5 | 3028.2 | 3006.3 | 2944.0 | 2852.5 | 2753.6 |
| 10° | 2841.5 | 2859.8 | 2914.7 | 3039.2 | 3123.4 | 3174.7 | 3156.4 | 3119.8 | 3039.2 | 2947.7 | 2830.5 |
| 12.5° | 2896.4 | 2918.4 | 2966.0 | 3064.8 | 3119.8 | 3108.8 | 3101.5 | 3094.1 | 3053.9 | 2984.3 | 2878.1 |
| 15° | 2903.7 | 2918.4 | 2955.0 | 2998.9 | 2977.0 | 2914.7 | 2900.1 | 2955.0 | 3006.3 | 2991.6 | 2903.7 |
| 17.5° | 2903.7 | 2925.7 | 2933.0 | 2889.1 | 2775.6 | 2662.1 | 2647.4 | 2739.0 | 2881.8 | 2995.3 | 2944.0 |
| 20° | 2914.7 | 2925.7 | 2911.1 | 2768.2 | 2555.9 | 2431.4 | 2405.7 | 2519.3 | 2731.6 | 2955.0 | 2984.3 |
| 22.5° | 2929.4 | 2940.3 | 2878.1 | 2625.4 | 2376.4 | 2244.6 | 2230.0 | 2314.2 | 2563.2 | 2896.4 | 3028.2 |
| 25° | 2958.7 | 2951.3 | 2856.1 | 2500.9 | 2219.0 | 2094.5 | 2072.5 | 2182.4 | 2424.0 | 2837.8 | 3101.5 |
| 27.5° | 2995.3 | 2962.3 | 2826.8 | 2398.4 | 2105.5 | 1973.7 | 1959.0 | 2065.2 | 2306.9 | 2764.6 | 3163.7 |
| 30° | 3042.9 | 3009.9 | 2823.2 | 2317.9 | 2021.3 | 1889.4 | 1871.1 | 1988.3 | 2226.3 | 2713.3 | 3251.6 |
| 32.5° | 3108.8 | 3061.2 | 2826.8 | 2255.6 | 1973.7 | 1849.2 | 1838.2 | 1962.7 | 2193.4 | 2684.0 | 3343.1 |
| 35° | 3196.7 | 3127.1 | 2841.5 | 2233.6 | 1988.3 | 1904.1 | 1929.7 | 2024.9 | 2226.3 | 2706.0 | 3493.3 |
| 37.5° | 3306.5 | 3240.6 | 2914.7 | 2281.2 | 2149.4 | 2208.0 | 2273.9 | 2310.5 | 2383.8 | 2808.5 | 3734.9 |
| 40° | 3489.6 | 3398.1 | 3024.6 | 2435.0 | 2581.5 | 2856.1 | 2984.3 | 2969.6 | 2801.2 | 3042.9 | 4075.5 |
| 42.5° | 3745.9 | 3661.7 | 3247.9 | 2826.8 | 3302.9 | 3885.1 | 4101.1 | 3976.6 | 3467.6 | 3416.4 | 4635.7 |
| 45° | 4137.7 | 3998.6 | 3548.2 | 3409.0 | 4174.3 | 5130.0 | 5617.0 | 5188.6 | 4313.5 | 4005.9 | 5434.0 |
| 47.5° | 4639.4 | 4500.2 | 4016.9 | 3991.3 | 5148.4 | 6668.0 | 7246.5 | 6404.3 | 5152.0 | 4778.5 | 6389.7 |
| 50° | 5444.9 | 5291.2 | 4705.3 | 4584.4 | 6224.9 | 8202.2 | 8974.8 | 7616.3 | 6005.2 | 5598.7 | 7568.7 |
| 52.5° | 6550.8 | 6448.3 | 5796.5 | 5196.0 | 7187.9 | 9893.9 | 10560.3 | 8883.3 | 6664.3 | 6536.1 | 8854.0 |
| 55° | 8092.4 | 7993.5 | 7217.2 | 5877.0 | 8099.7 | 11589.3 | 12127.6 | 10036.7 | 7239.2 | 7634.6 | 10197.8 |
| 57.5° | 9839.0 | 10003.8 | 9161.6 | 6785.1 | 9059.0 | 12955.1 | 13705.7 | 11084.0 | 8015.5 | 9103.0 | 11691.8 |
| 60° | 10977.8 | 11497.7 | 11391.6 | 8370.6 | 10549.4 | 14654.1 | 15470.7 | 12486.4 | 9150.6 | 10183.2 | 11658.9 |
| 62.5° | 9989.1 | 10509.1 | 11322.0 | 10208.8 | 11984.7 | 16192.0 | 16880.4 | 13962.1 | 10278.4 | 9322.7 | 9791.4 |
| 65° | 8476.8 | 9125.0 | 9981.8 | 8868.6 | 11732.1 | 16239.6 | 16946.4 | 14017.0 | 9590.0 | 6891.3 | 6942.6 |
| 67.5° | 7305.1 | 7880.0 | 8934.5 | 7546.8 | 10399.2 | 14789.6 | 15346.2 | 12504.7 | 7927.6 | 4569.8 | 4529.5 |
| 70° | 6096.7 | 6624.0 | 7956.9 | 6719.2 | 9110.3 | 12746.4 | 12266.7 | 10512.7 | 6700.9 | 3035.5 | 2515.6 |
| 72.5° | 5196.0 | 5683.0 | 7070.7 | 6038.1 | 7228.2 | 10329.7 | 8454.9 | 8722.2 | 5452.3 | 1929.7 | 1713.7 |
| 75° | 4298.8 | 4745.6 | 6012.5 | 5466.9 | 5979.6 | 6444.6 | 5844.1 | 6195.6 | 4492.9 | 1636.8 | 1321.9 |
| 77.5° | 3017.2 | 3295.5 | 4218.3 | 4350.1 | 4654.0 | 3815.5 | 3705.6 | 4339.1 | 3196.7 | 812.9 | 556.6 |
| 80° | 1486.7 | 1658.8 | 2200.7 | 2588.8 | 2200.7 | 2164.1 | 2468.0 | 2889.1 | 1658.8 | 498.0 | 307.6 |
| 82.5° | 666.4 | 790.9 | 1014.3 | 1567.2 | 794.6 | 864.2 | 1091.2 | 1537.9 | 754.3 | 296.6 | 131.8 |
| 85° | 106.2 | 117.2 | 197.7 | 263.6 | 216.0 | 333.2 | 318.6 | 300.3 | 161.1 | 80.6 | 36.6 |
| 87.5° | 3.7 | 3.7 | 3.7 | 7.3 | 11.0 | 14.6 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 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° | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 |
| 2.5° | 2325.2 | 2314.2 | 2259.3 | 2204.3 | 2156.7 | 2109.1 | 2061.5 | 1995.6 | 1944.4 | 1900.4 | 1882.1 |
| 5° | 2544.9 | 2486.3 | 2402.1 | 2310.5 | 2230.0 | 2138.4 | 2050.6 | 1951.7 | 1871.1 | 1786.9 | 1743.0 |
| 7.5° | 2695.0 | 2636.4 | 2497.3 | 2358.1 | 2259.3 | 2160.4 | 2068.9 | 1959.0 | 1852.8 | 1732.0 | 1666.1 |
| 10° | 2764.6 | 2698.7 | 2548.5 | 2387.4 | 2266.6 | 2167.7 | 2083.5 | 1992.0 | 1885.8 | 1735.6 | 1647.8 |
| 12.5° | 2812.2 | 2731.6 | 2559.5 | 2394.8 | 2273.9 | 2171.4 | 2090.8 | 2024.9 | 1962.7 | 1816.2 | 1713.7 |
| 15° | 2841.5 | 2768.2 | 2588.8 | 2398.4 | 2262.9 | 2142.1 | 2065.2 | 2043.2 | 2054.2 | 1984.6 | 1860.1 |
| 17.5° | 2885.4 | 2815.8 | 2625.4 | 2420.4 | 2244.6 | 2079.8 | 1995.6 | 2043.2 | 2142.1 | 2164.1 | 2065.2 |
| 20° | 2944.0 | 2870.8 | 2673.0 | 2438.7 | 2189.7 | 1962.7 | 1882.1 | 2003.0 | 2167.7 | 2281.2 | 2226.3 |
| 22.5° | 3009.9 | 2951.3 | 2728.0 | 2457.0 | 2109.1 | 1808.9 | 1772.3 | 1918.7 | 2094.5 | 2241.0 | 2244.6 |
| 25° | 3090.5 | 3035.5 | 2804.9 | 2475.3 | 1999.3 | 1677.1 | 1684.4 | 1808.9 | 1948.0 | 2098.2 | 2123.8 |
| 27.5° | 3200.3 | 3149.1 | 2900.1 | 2497.3 | 1885.8 | 1570.9 | 1607.5 | 1699.0 | 1794.2 | 1885.8 | 1922.4 |
| 30° | 3321.2 | 3280.9 | 3013.6 | 2541.2 | 1779.6 | 1508.6 | 1530.6 | 1592.8 | 1669.7 | 1724.7 | 1743.0 |
| 32.5° | 3485.9 | 3420.0 | 3119.8 | 2537.6 | 1699.0 | 1479.3 | 1457.4 | 1475.7 | 1537.9 | 1592.8 | 1596.5 |
| 35° | 3691.0 | 3639.7 | 3229.6 | 2471.6 | 1625.8 | 1464.7 | 1387.8 | 1376.8 | 1413.4 | 1468.3 | 1464.7 |
| 37.5° | 3991.3 | 3947.3 | 3409.0 | 2369.1 | 1534.3 | 1428.1 | 1314.6 | 1277.9 | 1303.6 | 1340.2 | 1351.2 |
| 40° | 4441.6 | 4328.1 | 3614.1 | 2255.6 | 1442.7 | 1362.2 | 1226.7 | 1175.4 | 1193.7 | 1234.0 | 1241.3 |
| 42.5° | 5053.1 | 4837.1 | 3888.7 | 2101.8 | 1354.8 | 1263.3 | 1138.8 | 1083.9 | 1094.8 | 1131.5 | 1138.8 |
| 45° | 5836.8 | 5510.9 | 4265.9 | 1940.7 | 1285.3 | 1160.8 | 1047.2 | 988.7 | 999.6 | 1039.9 | 1058.2 |
| 47.5° | 6752.2 | 6305.4 | 4661.3 | 1768.6 | 1245.0 | 1080.2 | 955.7 | 911.8 | 937.4 | 977.7 | 985.0 |
| 50° | 7832.4 | 7382.0 | 4914.0 | 1629.5 | 1219.3 | 1018.0 | 871.5 | 853.2 | 886.1 | 919.1 | 926.4 |
| 52.5° | 9011.4 | 8370.6 | 4752.9 | 1515.9 | 1197.4 | 996.0 | 812.9 | 820.2 | 845.9 | 878.8 | 889.8 |
| 55° | 10157.6 | 8733.2 | 4218.3 | 1369.5 | 1171.7 | 1010.6 | 769.0 | 787.3 | 820.2 | 845.9 | 853.2 |
| 57.5° | 10904.5 | 8429.2 | 3398.1 | 1215.7 | 1142.5 | 1021.6 | 747.0 | 761.6 | 798.3 | 827.5 | 831.2 |
| 60° | 10252.8 | 7762.8 | 2544.9 | 1083.9 | 1080.2 | 1003.3 | 739.7 | 717.7 | 769.0 | 794.6 | 798.3 |
| 62.5° | 8399.9 | 6349.4 | 1625.8 | 959.4 | 963.0 | 963.0 | 736.0 | 644.5 | 710.4 | 732.3 | 728.7 |
| 65° | *5770.8* | *4489.2* | *1007.0* | *783.6* | *820.2* | *875.1* | *714.0* | *567.6* | *644.5* | *666.4* | *659.1* |
| 67.5° | 3793.5 | 2852.5 | 622.5 | 604.2 | 673.8 | 758.0 | 670.1 | 509.0 | 578.5 | 593.2 | 571.2 |
| 70° | 2057.9 | 1343.8 | 410.1 | 395.5 | 527.3 | 596.9 | 567.6 | 457.7 | 516.3 | 530.9 | 509.0 |
| 72.5° | 1358.5 | 772.6 | 289.3 | 289.3 | 413.8 | 417.4 | 465.0 | 410.1 | 457.7 | 472.4 | 450.4 |
| 75° | 1021.6 | 498.0 | 201.4 | 223.4 | 263.6 | 325.9 | 333.2 | 344.2 | 388.1 | 406.4 | 384.5 |
| 77.5° | 468.7 | 183.1 | 120.8 | 164.8 | 183.1 | 249.0 | 212.4 | 256.3 | 289.3 | 296.6 | 278.3 |
| 80° | 271.0 | 102.5 | 80.6 | 106.2 | 117.2 | 205.1 | 124.5 | 153.8 | 205.1 | 216.0 | 194.1 |
| 82.5° | 113.5 | 51.3 | 54.9 | 65.9 | 69.6 | 113.5 | 87.9 | 98.9 | 135.5 | 131.8 | 117.2 |
| 85° | 33.0 | 33.0 | 36.6 | 40.3 | 40.3 | 65.9 | 62.2 | 58.6 | 62.2 | 62.2 | 51.3 |
| 87.5° | 22.0 | 22.0 | 22.0 | 25.6 | 25.6 | 29.3 | 33.0 | 36.6 | 36.6 | 36.6 | 33.0 |
| 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° | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 |
| 2.5° | 1856.5 | 1823.5 | 1775.9 | 1768.6 | 1743.0 | 1724.7 | 1743.0 | 1761.3 | 1794.2 | 1797.9 | 1812.5 |
| 5° | 1702.7 | 1625.8 | 1567.2 | 1501.3 | 1468.3 | 1464.7 | 1457.4 | 1479.3 | 1526.9 | 1556.2 | 1578.2 |
| 7.5° | 1600.2 | 1461.0 | 1358.5 | 1266.9 | 1234.0 | 1208.4 | 1230.3 | 1226.7 | 1288.9 | 1314.6 | 1336.5 |
| 10° | 1545.2 | 1351.2 | 1197.4 | 1083.9 | 1039.9 | 1014.3 | 1010.6 | 1018.0 | 1054.6 | 1080.2 | 1105.8 |
| 12.5° | 1581.9 | 1307.2 | 1080.2 | 948.4 | 900.8 | 871.5 | 845.9 | 845.9 | 853.2 | 886.1 | 897.1 |
| 15° | 1702.7 | 1332.9 | 1025.3 | 882.5 | 820.2 | 772.6 | 739.7 | 714.0 | 717.7 | 721.4 | 732.3 |
| 17.5° | 1878.5 | 1398.8 | 1007.0 | 842.2 | 776.3 | 717.7 | 684.7 | 655.4 | 648.1 | 648.1 | 644.5 |
| 20° | 2046.9 | 1450.0 | 992.3 | 809.2 | 725.0 | 673.8 | 644.5 | 618.8 | 607.8 | 607.8 | 607.8 |
| 22.5° | 2116.5 | 1494.0 | 974.0 | 769.0 | 673.8 | 626.2 | 600.5 | 582.2 | 578.5 | 578.5 | 574.9 |
| 25° | 2061.5 | 1479.3 | 952.0 | 728.7 | 626.2 | 589.5 | 567.6 | 549.3 | 545.6 | 549.3 | 545.6 |
| 27.5° | 1889.4 | 1428.1 | 922.7 | 695.7 | 589.5 | 556.6 | 538.3 | 520.0 | 516.3 | 520.0 | 520.0 |
| 30° | 1706.4 | 1340.2 | 875.1 | 670.1 | 560.2 | 523.6 | 505.3 | 487.0 | 487.0 | 490.7 | 494.3 |
| 32.5° | 1559.9 | 1252.3 | 820.2 | 637.1 | 527.3 | 494.3 | 476.0 | 457.7 | 457.7 | 465.0 | 465.0 |
| 35° | 1435.4 | 1182.7 | 765.3 | 604.2 | 498.0 | 461.4 | 446.7 | 432.1 | 428.4 | 435.7 | 439.4 |
| 37.5° | 1336.5 | 1120.5 | 706.7 | 571.2 | 468.7 | 435.7 | 421.1 | 402.8 | 399.1 | 406.4 | 413.8 |
| 40° | 1234.0 | 1050.9 | 655.4 | 530.9 | 439.4 | 406.4 | 391.8 | 369.8 | 369.8 | 377.2 | 384.5 |
| 42.5° | 1135.1 | 988.7 | 622.5 | 494.3 | 410.1 | 373.5 | 358.8 | 340.5 | 340.5 | 347.9 | 355.2 |
| 45° | 1054.6 | 930.1 | 604.2 | 457.7 | 377.2 | 344.2 | 325.9 | 311.2 | 314.9 | 322.2 | 329.6 |
| 47.5° | 977.7 | 867.8 | 607.8 | 439.4 | 355.2 | 311.2 | 292.9 | 282.0 | 289.3 | 300.3 | 307.6 |
| 50° | 919.1 | 823.9 | 611.5 | 410.1 | 325.9 | 285.6 | 267.3 | 260.0 | 271.0 | 282.0 | 289.3 |
| 52.5° | 882.5 | 779.9 | 589.5 | 373.5 | 303.9 | 260.0 | 249.0 | 249.0 | 260.0 | 267.3 | 274.6 |
| 55° | 845.9 | 706.7 | 541.9 | 333.2 | 282.0 | 241.7 | 234.3 | 234.3 | 245.3 | 252.7 | 256.3 |
| 57.5° | 816.6 | 629.8 | 487.0 | 300.3 | 256.3 | 223.4 | 223.4 | 223.4 | 227.0 | 230.7 | 238.0 |
| 60° | 761.6 | 549.3 | 417.4 | 274.6 | 230.7 | 208.7 | 205.1 | 205.1 | 201.4 | 205.1 | 216.0 |
| 62.5° | 666.4 | 461.4 | 355.2 | 245.3 | 208.7 | 190.4 | 186.7 | 175.8 | 164.8 | 168.4 | 175.8 |
| 65° | *563.9* | *366.2* | *296.6* | *212.4* | *179.4* | *168.4* | *164.8* | *146.5* | *131.8* | *135.5* | *146.5* |
| 67.5° | 450.4 | 274.6 | 249.0 | 183.1 | 153.8 | 142.8 | 142.8 | 131.8 | 120.8 | 120.8 | 128.2 |
| 70° | 351.5 | 230.7 | 186.7 | 146.5 | 120.8 | 120.8 | 128.2 | 117.2 | 102.5 | 102.5 | 113.5 |
| 72.5° | 285.6 | 186.7 | 150.1 | 113.5 | 95.2 | 102.5 | 106.2 | 95.2 | 84.2 | 84.2 | 91.5 |
| 75° | 223.4 | 146.5 | 117.2 | 84.2 | 73.2 | 76.9 | 84.2 | 76.9 | 65.9 | 69.6 | 73.2 |
| 77.5° | 153.8 | 98.9 | 76.9 | 62.2 | 54.9 | 58.6 | 58.6 | 54.9 | 51.3 | 51.3 | 54.9 |
| 80° | 102.5 | 65.9 | 51.3 | 43.9 | 40.3 | 40.3 | 36.6 | 36.6 | 40.3 | 40.3 | 43.9 |
| 82.5° | 73.2 | 47.6 | 40.3 | 33.0 | 25.6 | 25.6 | 29.3 | 29.3 | 33.0 | 33.0 | 36.6 |
| 85° | 43.9 | 33.0 | 29.3 | 22.0 | 18.3 | 22.0 | 22.0 | 25.6 | 29.3 | 29.3 | 33.0 |
| 87.5° | 33.0 | 25.6 | 22.0 | 18.3 | 14.6 | 14.6 | 18.3 | 18.3 | 22.0 | 25.6 | 25.6 |
| 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: P1365352
CATALOG NUMBER: GSS-SB3B-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 | 2061.5 |
| 2.5° | 1849.2 | 1893.1 | 1955.3 | 2010.3 | 2076.2 | 2142.1 | 2204.3 | 2262.9 | 2266.6 | 2270.3 |
| 5° | 1647.8 | 1735.6 | 1838.2 | 1962.7 | 2094.5 | 2222.7 | 2358.1 | 2468.0 | 2493.6 | 2508.3 |
| 7.5° | 1424.4 | 1552.6 | 1710.0 | 1885.8 | 2083.5 | 2281.2 | 2471.6 | 2636.4 | 2698.7 | 2713.3 |
| 10° | 1190.1 | 1347.5 | 1537.9 | 1764.9 | 2032.2 | 2295.9 | 2552.2 | 2753.6 | 2826.8 | 2841.5 |
| 12.5° | 981.3 | 1109.5 | 1329.2 | 1603.8 | 1926.1 | 2273.9 | 2581.5 | 2804.9 | 2878.1 | 2896.4 |
| 15° | 801.9 | 922.7 | 1127.8 | 1417.1 | 1779.6 | 2197.0 | 2559.5 | 2815.8 | 2889.1 | 2903.7 |
| 17.5° | 662.8 | 739.7 | 926.4 | 1241.3 | 1647.8 | 2098.2 | 2530.2 | 2823.2 | 2892.7 | 2903.7 |
| 20° | 607.8 | 622.5 | 721.4 | 1028.9 | 1508.6 | 2024.9 | 2511.9 | 2834.2 | 2903.7 | 2914.7 |
| 22.5° | 582.2 | 582.2 | 604.2 | 783.6 | 1314.6 | 1948.0 | 2504.6 | 2867.1 | 2918.4 | 2929.4 |
| 25° | 556.6 | 556.6 | 563.9 | 615.2 | 1083.9 | 1852.8 | 2519.3 | 2925.7 | 2958.7 | 2958.7 |
| 27.5° | 530.9 | 530.9 | 538.3 | 549.3 | 805.6 | 1695.4 | 2522.9 | 2991.6 | 3006.3 | 2995.3 |
| 30° | 505.3 | 512.6 | 512.6 | 520.0 | 593.2 | 1497.6 | 2500.9 | 3064.8 | 3064.8 | 3042.9 |
| 32.5° | 479.7 | 483.3 | 490.7 | 494.3 | 516.3 | 1241.3 | 2464.3 | 3156.4 | 3138.1 | 3108.8 |
| 35° | 457.7 | 461.4 | 461.4 | 468.7 | 490.7 | 992.3 | 2424.0 | 3280.9 | 3229.6 | 3196.7 |
| 37.5° | 428.4 | 432.1 | 435.7 | 443.1 | 465.0 | 787.3 | 2365.5 | 3387.1 | 3350.5 | 3306.5 |
| 40° | 402.8 | 406.4 | 410.1 | 417.4 | 439.4 | 677.4 | 2292.2 | 3548.2 | 3540.9 | 3489.6 |
| 42.5° | 373.5 | 380.8 | 384.5 | 388.1 | 417.4 | 618.8 | 2241.0 | 3808.2 | 3808.2 | 3745.9 |
| 45° | 347.9 | 355.2 | 355.2 | 362.5 | 402.8 | 567.6 | 2354.5 | 4167.0 | 4196.3 | 4137.7 |
| 47.5° | 325.9 | 329.6 | 329.6 | 333.2 | 380.8 | 523.6 | 2658.4 | 4716.3 | 4679.7 | 4639.4 |
| 50° | 303.9 | 311.2 | 303.9 | 307.6 | 362.5 | 549.3 | 3160.0 | 5419.3 | 5514.5 | 5444.9 |
| 52.5° | 289.3 | 292.9 | 278.3 | 278.3 | 336.9 | 582.2 | 3570.2 | 6316.4 | 6635.0 | 6550.8 |
| 55° | 271.0 | 274.6 | 256.3 | 256.3 | 296.6 | 505.3 | 3595.8 | 7338.0 | 8037.4 | 8092.4 |
| 57.5° | 252.7 | 252.7 | 238.0 | 234.3 | 256.3 | 410.1 | 3189.3 | 8129.0 | 9714.5 | 9839.0 |
| 60° | 230.7 | 227.0 | 219.7 | 212.4 | 234.3 | 377.2 | 2431.4 | 8022.8 | 10545.7 | 10977.8 |
| 62.5° | 197.7 | 205.1 | 201.4 | 186.7 | 212.4 | 351.5 | 1585.5 | 6942.6 | 9608.3 | 9989.1 |
| 65° | *164.8* | *175.8* | *175.8* | *164.8* | *234.3* | *307.6* | *834.9* | *5558.5* | *8019.1* | *8476.8* |
| 67.5° | 146.5 | 153.8 | 150.1 | 142.8 | 208.7 | 194.1 | 402.8 | 4262.2 | 6865.7 | 7305.1 |
| 70° | 128.2 | 135.5 | 124.5 | 117.2 | 168.4 | 139.1 | 238.0 | 2852.5 | 5668.3 | 6096.7 |
| 72.5° | 106.2 | 113.5 | 102.5 | 91.5 | 124.5 | 106.2 | 157.5 | 1856.5 | 4719.9 | 5196.0 |
| 75° | 87.9 | 91.5 | 84.2 | 73.2 | 91.5 | 84.2 | 109.9 | 1212.0 | 3947.3 | 4298.8 |
| 77.5° | 62.2 | 69.6 | 65.9 | 54.9 | 65.9 | 58.6 | 76.9 | 692.1 | 2753.6 | 3017.2 |
| 80° | 47.6 | 47.6 | 47.6 | 43.9 | 40.3 | 40.3 | 51.3 | 311.2 | 1336.5 | 1486.7 |
| 82.5° | 40.3 | 40.3 | 36.6 | 33.0 | 29.3 | 25.6 | 29.3 | 91.5 | 629.8 | 666.4 |
| 85° | 36.6 | 29.3 | 25.6 | 22.0 | 18.3 | 11.0 | 11.0 | 25.6 | 128.2 | 106.2 |
| 87.5° | 22.0 | 18.3 | 14.6 | 7.3 | 3.7 | 3.7 | 0.0 | 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 |

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

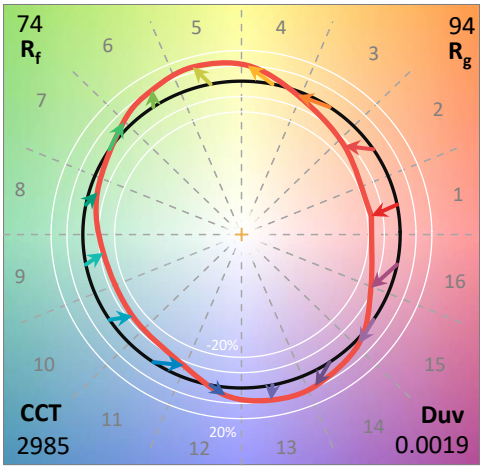
## Test Information

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

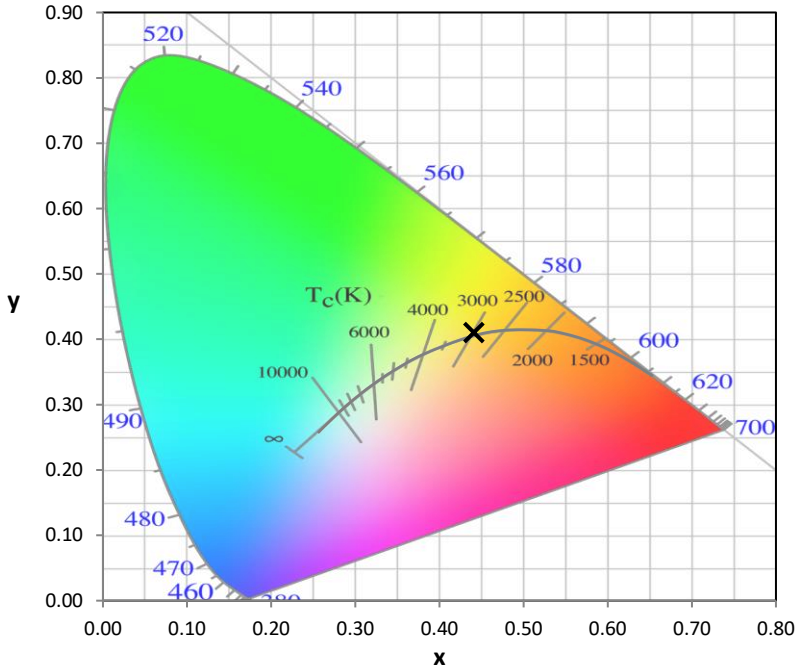
| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-4

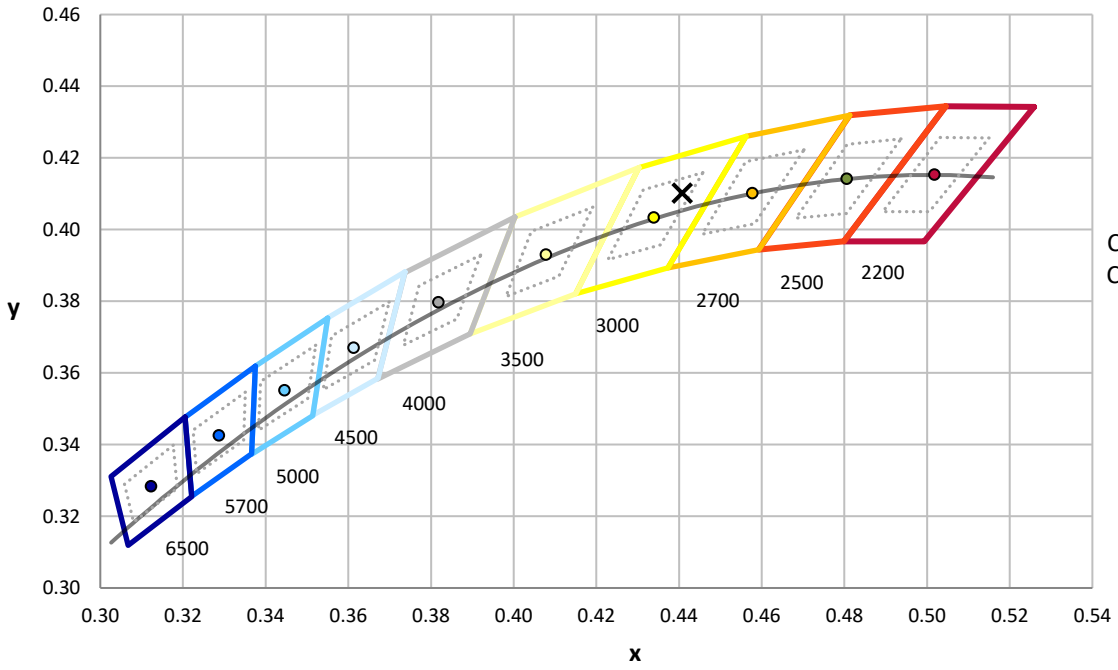
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

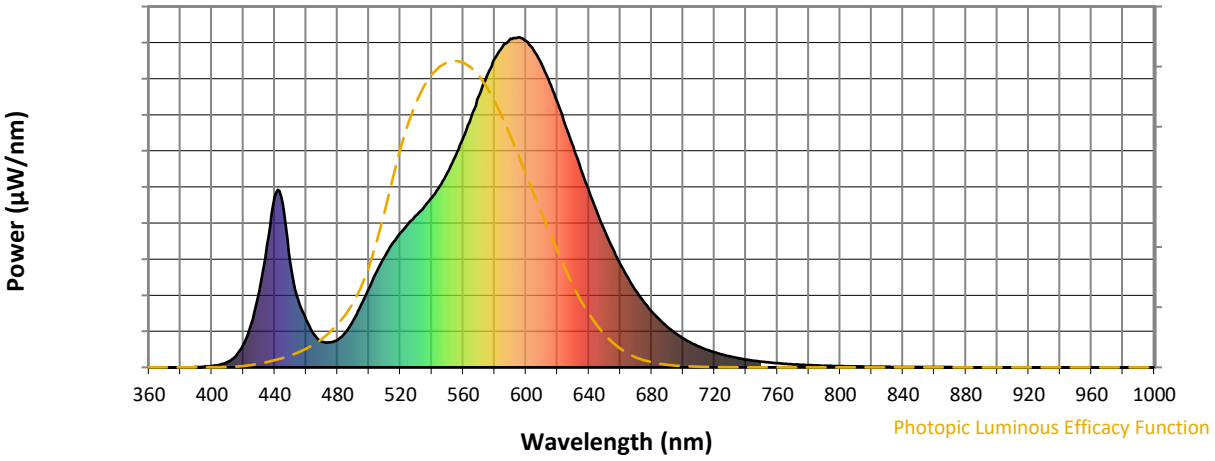



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

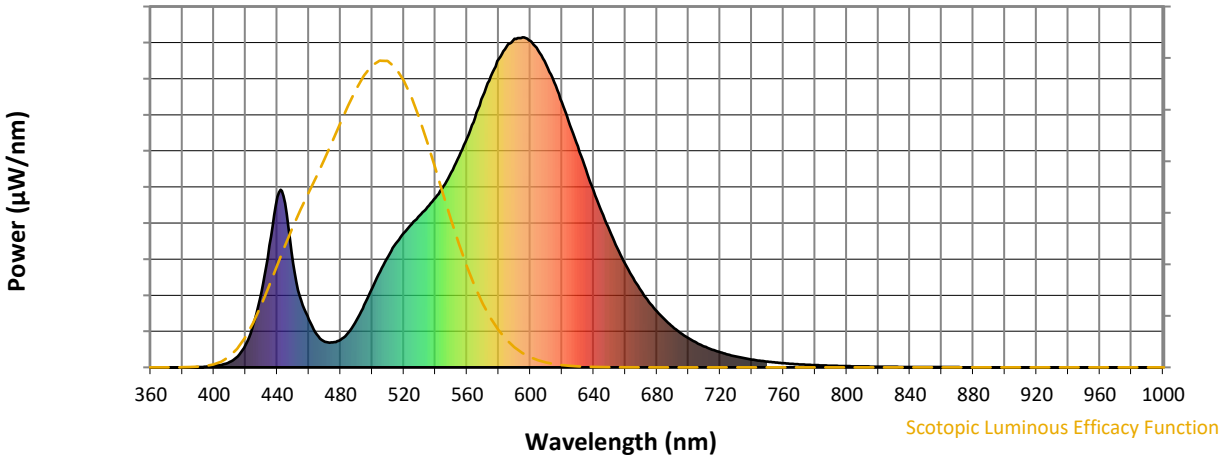



## Photopic Lumens: NR

| 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

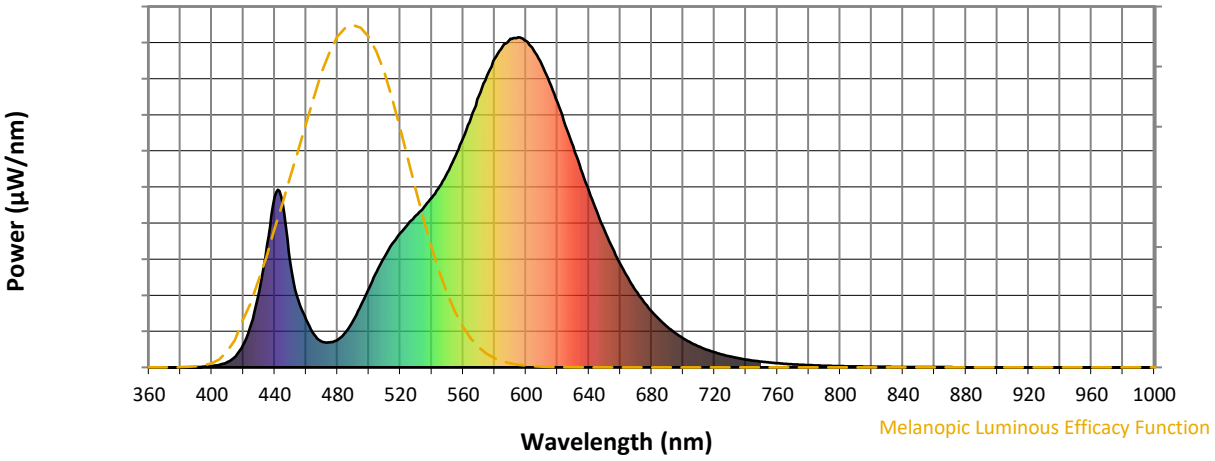



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | | | |

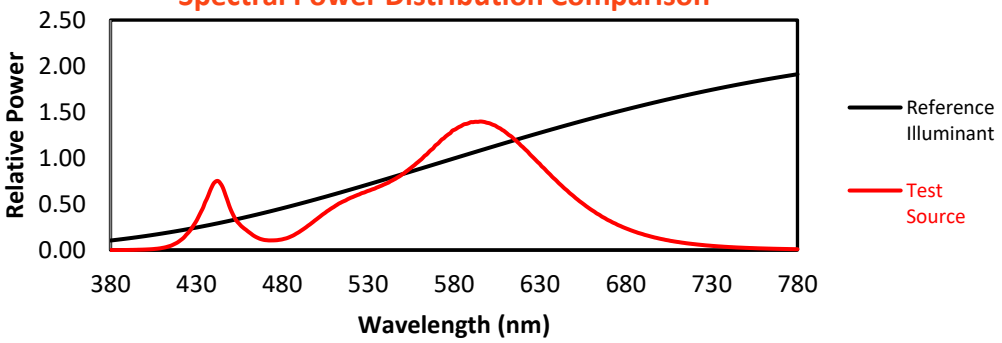
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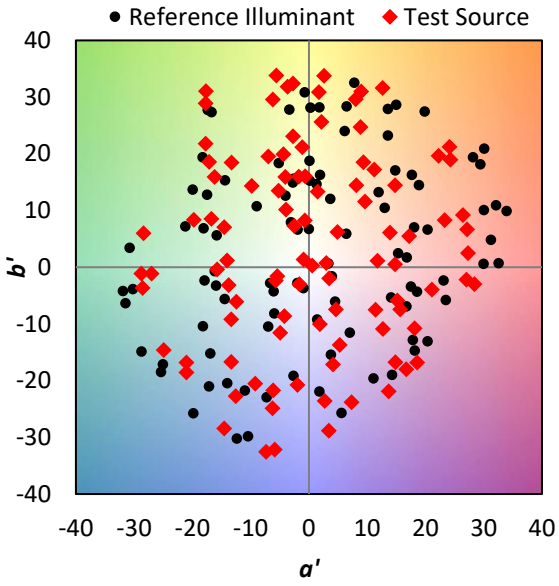
## Summary

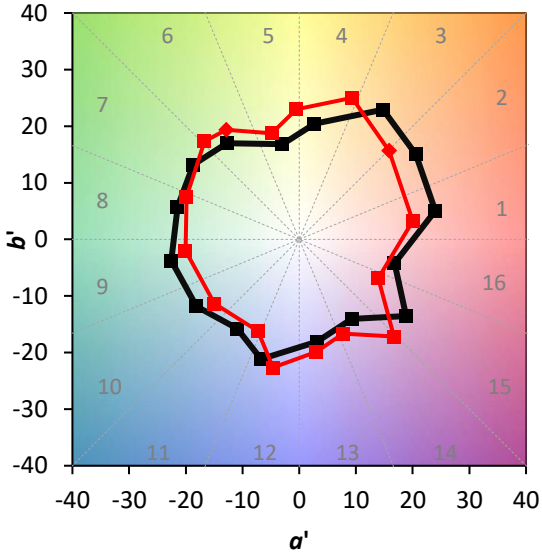
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

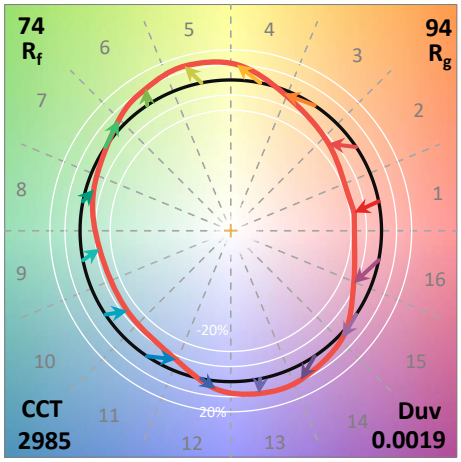
## Spectral Power Distribution Comparison

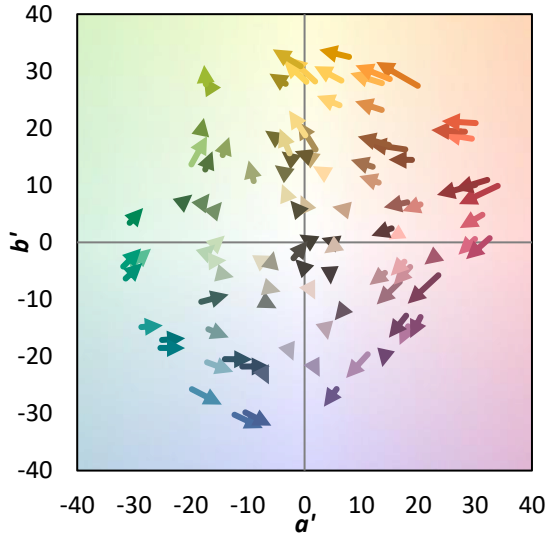



## Color Vector Graphics



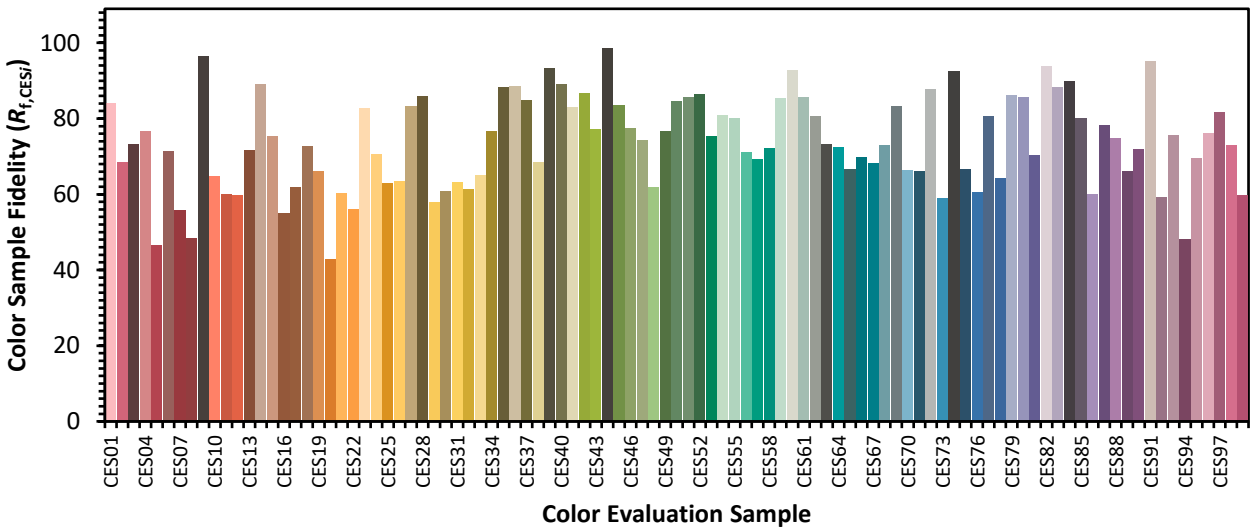



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**Individual Sample Fidelity Index ($R_{f,i}$)**

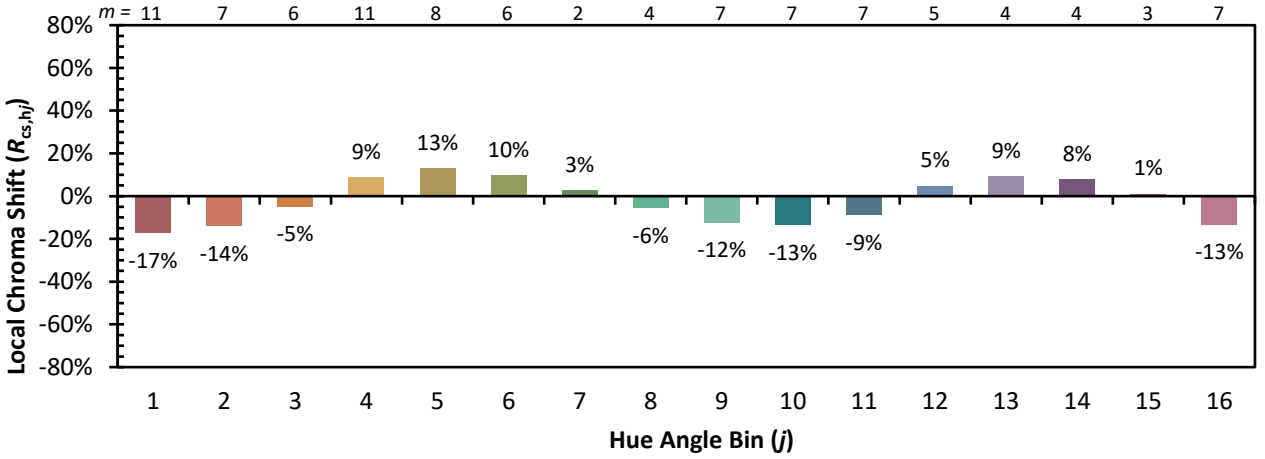
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 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 | |

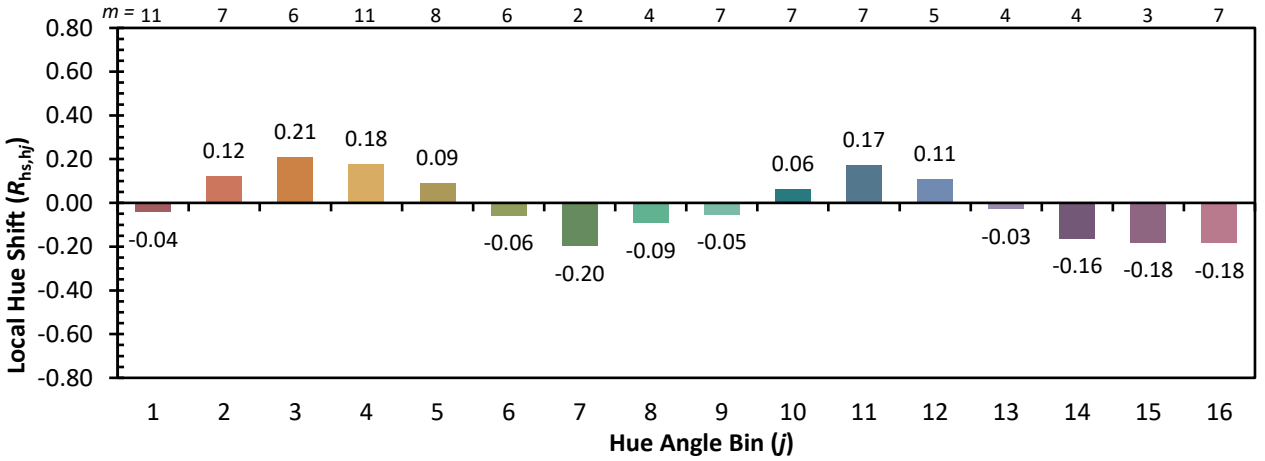


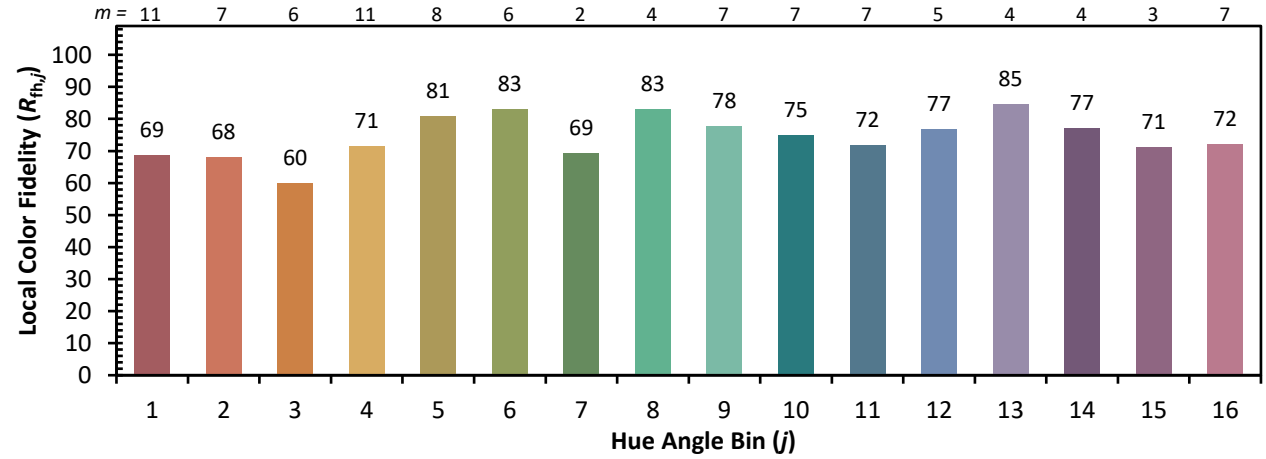
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## Color Rendition by Hue-Angle Bin



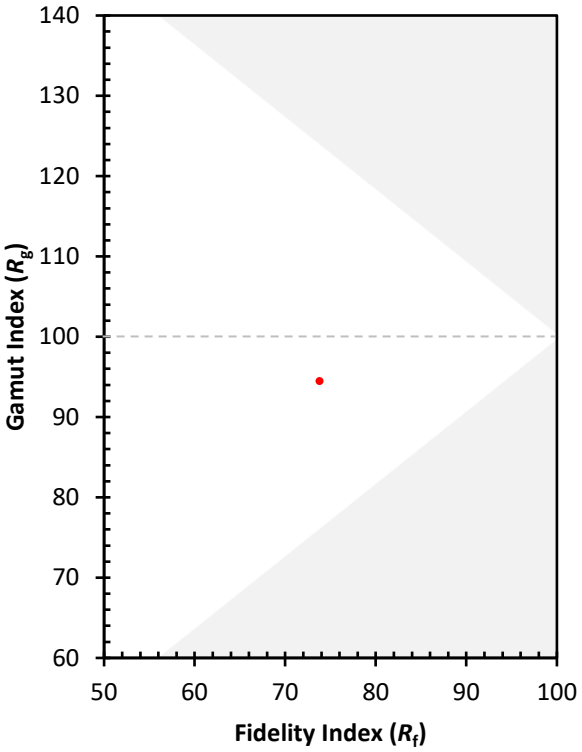



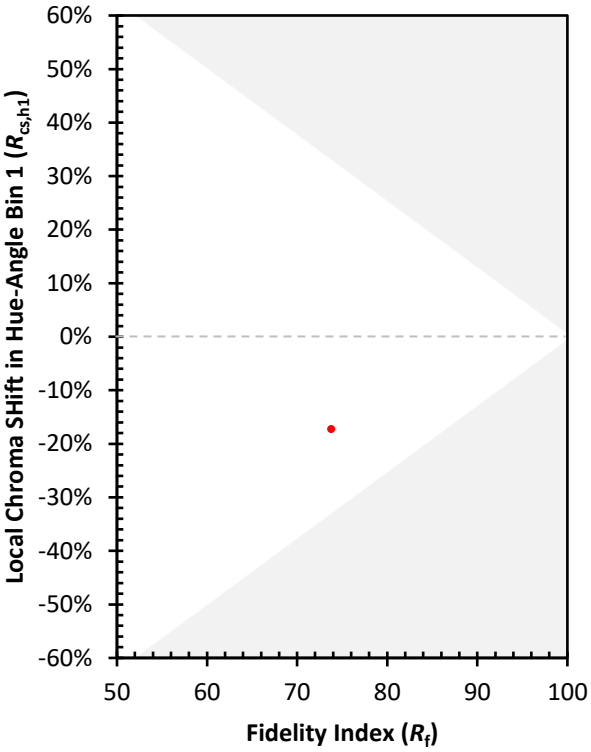



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## Measure Comparisons




(END OF REPORT)