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: P1366517

Luminaire Tested: **GSS-SB6C-730-U-T3R**

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: | P1366517 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB6C-730-U-T3R |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 3000K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC |
| Light Source: | (156) 3000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 43175.4 lumens |
| Efficiency: | N/A |
| Efficacy: | 143.9 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B4 - U0 - G5 |

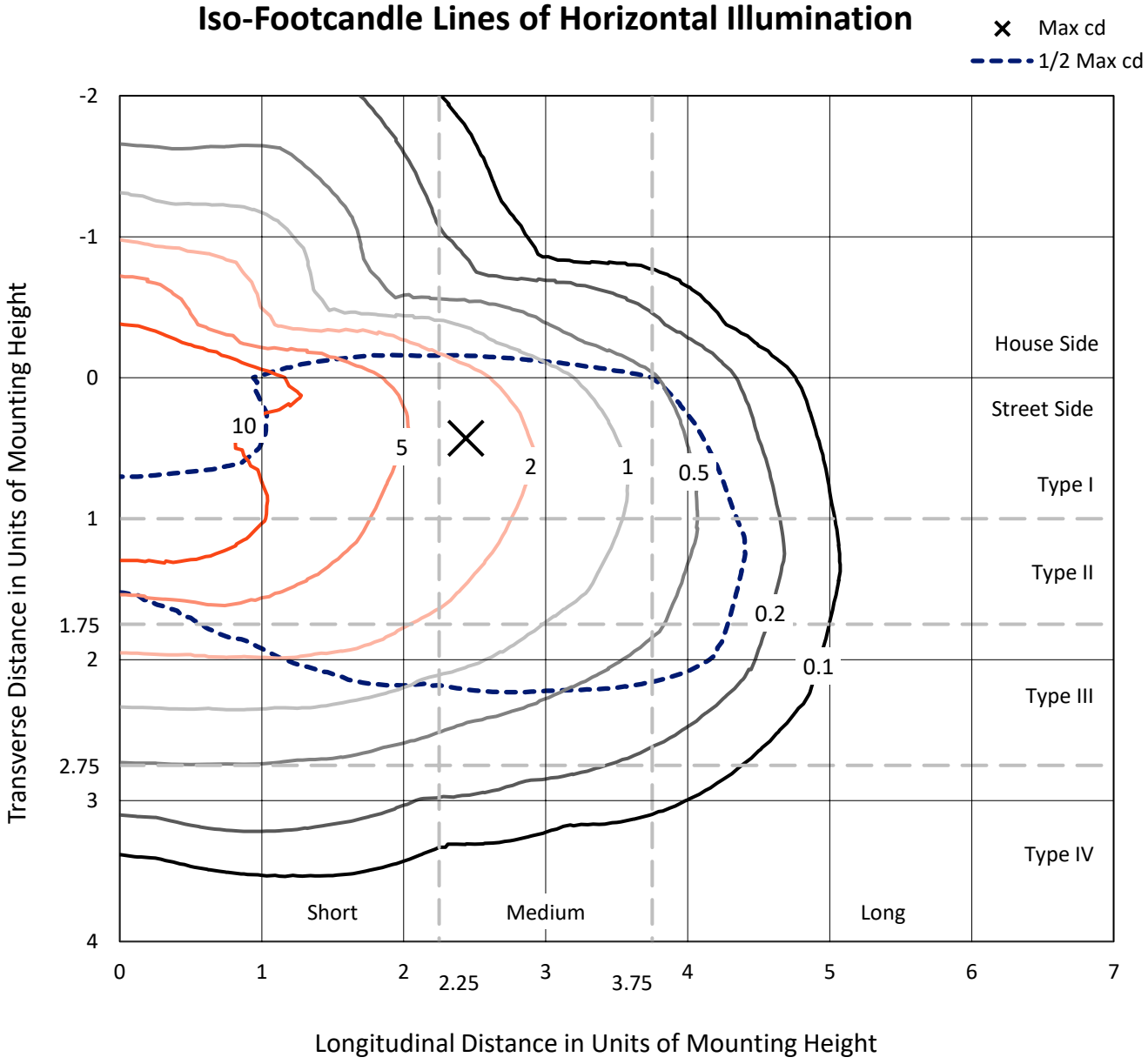
| | |
|---|---|
| Input Watts (W): | 300 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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Scaled Data Report

REPORT NUMBER: P1366517
CATALOG NUMBER: GSS-SB6C-730-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination



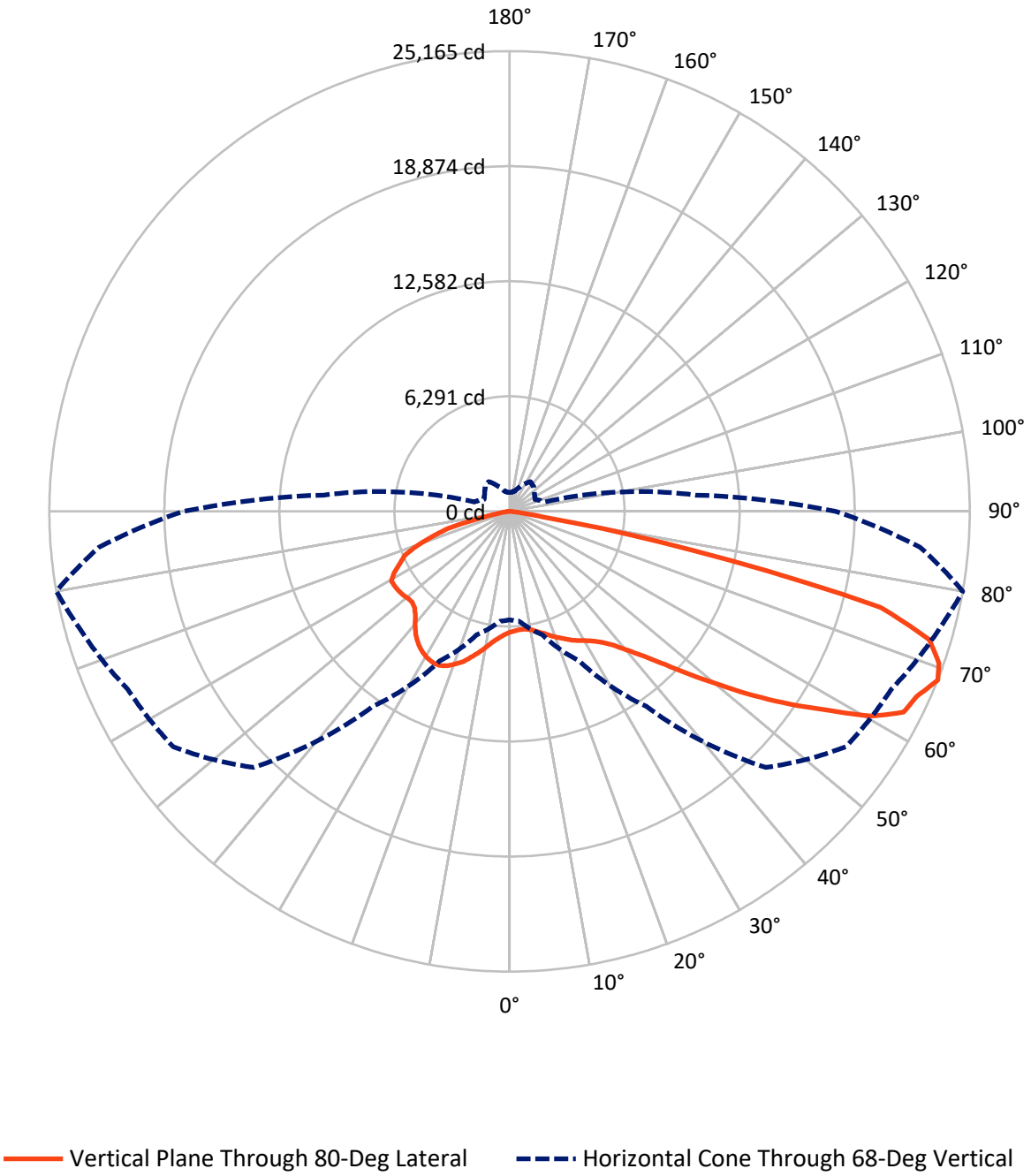

Based on 20 foot mounting height. Maximum calculated value = 18.7 fc
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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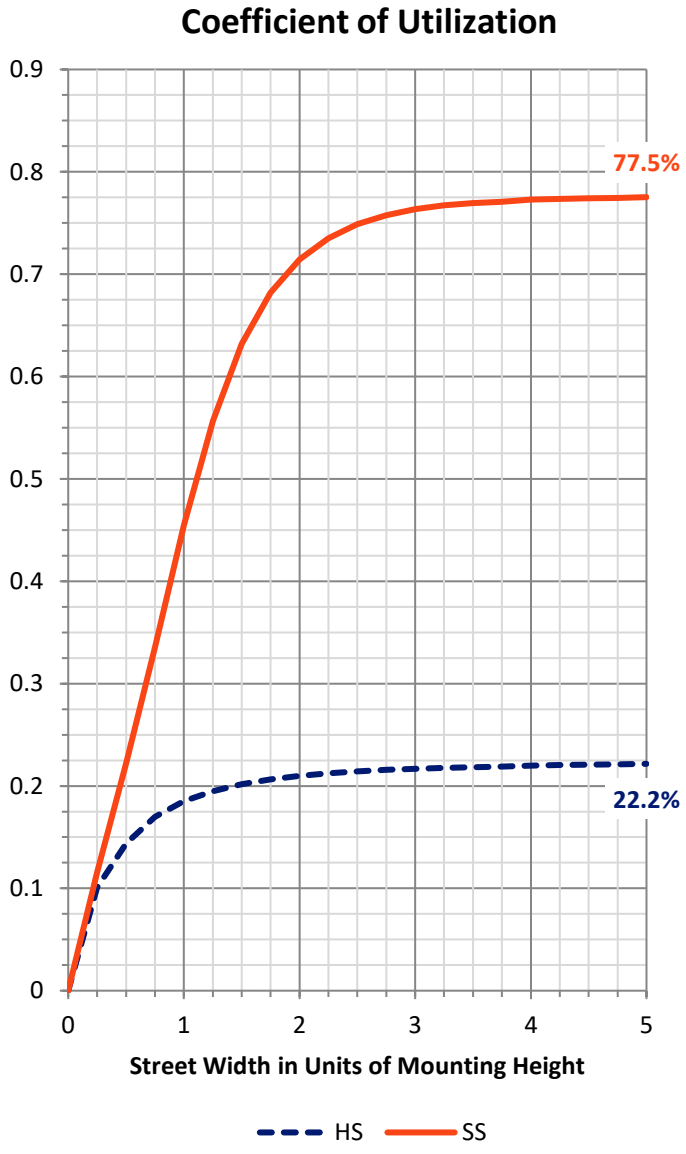
REPORT NUMBER: P1366517
CATALOG NUMBER: GSS-SB6C-730-U-T3R

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 9648.0 | 0.0 | 9648.0 |
| | % Fixture | 22.3 | 0.0 | 22.3 |
| **Street Side** | Lumens | 33527.4 | 0.0 | 33527.4 |
| | % Fixture | 77.7 | 0.0 | 77.7 |
| **Total** | Lumens | 43175.4 | 0.0 | 43175.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 638.4 | 1.5 |
| 10°-20° | 1822.8 | 4.2 |
| 20°-30° | 3005.5 | 7.0 |
| 30°-40° | 4614.3 | 10.7 |
| 40°-50° | 7124.6 | 16.5 |
| 50°-60° | 9840.8 | 22.8 |
| 60°-70° | 10085.8 | 23.4 |
| 70°-80° | 5712.2 | 13.2 |
| 80°-90° | 331.1 | 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° | 43175.4 | 100.0 |
| 0°-180° | 43175.4 | 100.0 |



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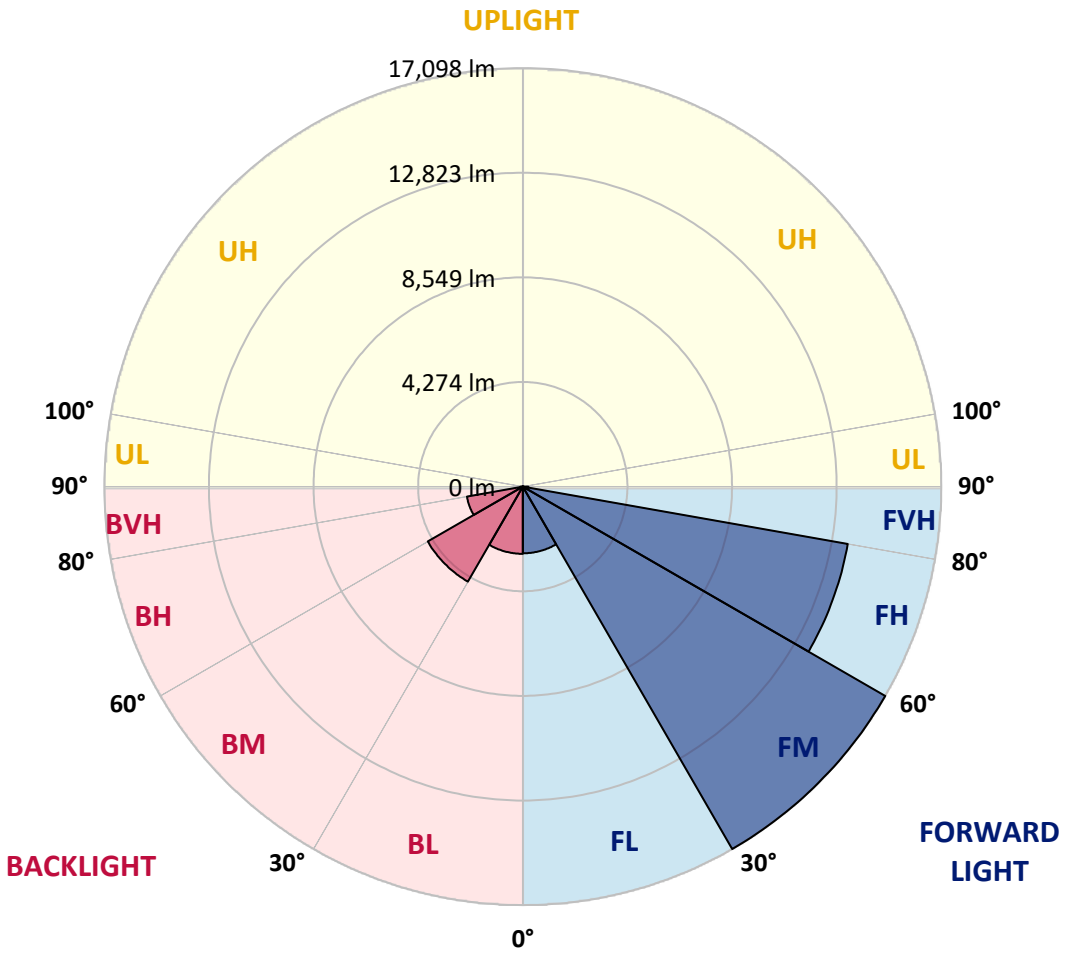
Scaled Data Report

REPORT NUMBER: P1366517
CATALOG NUMBER: GSS-SB6C-730-U-T3R

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2722.0 | 6.3 | | | |
| FM | (30°-60°) | 17097.8 | 39.6 | | | |
| FH | (60°-80°) | 13479.3 | 31.2 | | | G5 |
| FVH | (80°-90°) | 228.3 | 0.5 | | | G3/500 |
| BL | (0°-30°) | 2744.7 | 6.4 | B4/5000 | | |
| BM | (30°-60°) | 4481.8 | 10.4 | B3/5000 | | |
| BH | (60°-80°) | 2318.7 | 5.4 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 102.8 | 0.2 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B4-U0-G5**
Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 80° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | *6595.8* | 6595.8 |
| 2.5° | 6132.6 | 6112.4 | 6102.4 | 6122.5 | 6152.7 | 6213.1 | 6283.6 | 6334.0 | 6454.8 | *6525.3* | 6585.7 |
| 5° | 5810.3 | 5800.3 | 5800.3 | 5850.6 | 5901.0 | 5971.5 | 6072.2 | 6162.8 | 6344.0 | *6485.0* | 6585.7 |
| 7.5° | 5427.7 | 5417.6 | 5417.6 | 5528.4 | 5629.1 | 5790.2 | 5951.3 | 6102.4 | 6323.9 | *6505.2* | 6666.3 |
| 10° | 5024.9 | 5024.9 | 5045.0 | 5186.0 | 5357.2 | 5588.8 | 5860.7 | 6092.3 | 6374.3 | *6585.7* | 6807.3 |
| 12.5° | 4853.7 | 4843.6 | 4853.7 | 4984.6 | 5155.8 | 5468.0 | 5780.1 | 6132.6 | 6475.0 | *6746.8* | 7008.7 |
| 15° | 4894.0 | 4873.8 | 4853.7 | 4964.5 | 5095.4 | 5407.5 | 5780.1 | 6213.1 | 6646.1 | *6908.0* | 7270.5 |
| 17.5° | 5105.4 | 5095.4 | 5035.0 | 5065.2 | 5155.8 | 5437.8 | 5830.5 | 6334.0 | 6817.3 | *7129.5* | 7522.2 |
| 20° | 5518.3 | 5488.1 | 5397.5 | 5347.1 | 5357.2 | 5538.5 | 5921.1 | 6495.1 | 6978.5 | *7351.0* | 7794.1 |
| 22.5° | 6203.1 | 6182.9 | 6031.9 | 5830.5 | 5699.6 | 5749.9 | 6082.2 | 6676.4 | 7200.0 | *7552.4* | 8106.3 |
| 25° | 7109.4 | 7059.0 | 6827.4 | 6505.2 | 6203.1 | 6092.3 | 6283.6 | 6918.0 | 7411.5 | *7794.1* | 8398.3 |
| 27.5° | 8076.1 | 8086.1 | 7874.7 | 7391.3 | 6867.7 | 6495.1 | 6545.4 | 7159.7 | 7653.1 | *7995.5* | 8650.1 |
| 30° | 9203.9 | 9153.6 | 8921.9 | 8418.4 | 7653.1 | 7028.8 | 6817.3 | 7391.3 | 7874.7 | *8196.9* | 8952.2 |
| 32.5° | 10694.2 | 10704.3 | 10291.5 | 9516.1 | 8559.4 | 7683.3 | 7169.8 | 7633.0 | 8126.4 | *8458.7* | 9324.7 |
| 35° | 12496.8 | 12456.5 | 11963.1 | 11026.6 | 9727.5 | 8438.6 | 7622.9 | 7945.2 | 8428.5 | *8801.1* | 9757.7 |
| 37.5° | 14108.0 | 13997.2 | 13705.2 | 12808.9 | 11197.7 | 9465.7 | 8237.2 | 8358.0 | 8901.8 | *9294.5* | 10402.2 |
| 40° | 15547.9 | 15497.6 | 15447.2 | 14762.5 | 12879.4 | 10744.6 | 9042.8 | 8992.4 | 9485.9 | *9999.4* | 11197.7 |
| 42.5° | 16736.2 | 16726.1 | 16746.3 | 16595.2 | 14933.7 | 12345.7 | 10170.6 | 9818.2 | 10311.6 | *10835.2* | 12134.2 |
| 45° | 17602.2 | 17582.1 | 17793.5 | 18105.7 | 16937.6 | 14259.0 | 11499.8 | 10845.3 | 11358.9 | *11953.0* | 13322.5 |
| 47.5° | 18528.6 | 18538.7 | 18830.7 | 19354.4 | 18891.2 | 16162.2 | 13010.3 | 12124.2 | 12587.4 | *13342.6* | 14742.4 |
| 50° | 18891.2 | 18891.2 | 19586.0 | 20331.2 | 20462.1 | 18186.3 | 14812.8 | 13644.7 | 14118.0 | *14923.6* | 16172.3 |
| 52.5° | 18105.7 | 18256.8 | 19475.2 | 20874.9 | 21489.2 | 20059.3 | 16716.1 | 15296.2 | 15699.0 | *16736.2* | 17592.1 |
| 55° | 13715.2 | 14248.9 | 18629.3 | 20613.1 | 21871.9 | 21529.5 | 18609.2 | 17128.9 | 17572.0 | *18599.1* | 19052.3 |
| 57.5° | 11842.2 | 11983.2 | 14611.4 | 19696.8 | 21388.5 | 22325.0 | 20361.4 | 19082.5 | 19485.3 | *20492.3* | 20572.8 |
| 60° | 10412.3 | 10603.6 | 12214.8 | 18146.0 | 20431.9 | 22244.4 | 21821.5 | 20885.0 | 21448.9 | *22727.8* | 22113.5 |
| 62.5° | 8438.6 | 8640.0 | 9999.4 | 14500.7 | 19173.1 | 21680.5 | 22959.4 | 22586.8 | 23120.5 | *24187.9* | 22747.9 |
| 65° | 7431.6 | 7502.1 | 8478.9 | 11117.2 | 16857.0 | 21197.2 | 23543.5 | 23311.9 | 23543.5 | *24439.7* | 22425.7 |
| 67.5° | 6193.0 | 6334.0 | 7280.5 | 9435.5 | 13614.5 | 20170.0 | 22677.4 | 23009.8 | 24157.7 | *25043.9* | 22667.4 |
| 68° | *5931.2* | *6031.9* | *6998.6* | *9022.6* | *13010.3* | *19797.5* | *22445.8* | *23029.9* | *24399.4* | *25164.7* | *22536.5* |
| 70° | 4843.6 | 4984.6 | 5840.6 | 7562.5 | 10905.7 | 15850.0 | 21539.5 | 23422.6 | 24570.6 | *24913.0* | 21821.5 |
| 72.5° | 2396.6 | 2648.4 | 4028.0 | 5337.1 | 7874.7 | 11459.6 | 18881.1 | 22919.1 | 24218.1 | *24006.7* | 20311.0 |
| 75° | 845.9 | 906.3 | 1883.1 | 2890.1 | 3816.5 | 7421.5 | 13352.7 | 20895.1 | 22204.2 | *20965.6* | 17028.2 |
| 77.5° | 604.2 | 654.5 | 1067.4 | 1460.1 | 1570.9 | 3725.9 | 8559.4 | 13815.9 | 13131.2 | *10170.6* | 7753.8 |
| 80° | 473.3 | 513.6 | 795.5 | 815.7 | 785.5 | 1309.1 | 2920.3 | 4189.1 | 2950.5 | *1852.9* | 1339.3 |
| 82.5° | 292.0 | 352.4 | 594.1 | 493.4 | 362.5 | 412.9 | 684.8 | 1127.8 | 805.6 | *513.6* | 412.9 |
| 85° | 110.8 | 141.0 | 271.9 | 191.3 | 120.8 | 161.1 | 231.6 | 302.1 | 231.6 | *171.2* | 151.0 |
| 87.5° | 10.1 | 10.1 | 20.1 | 20.1 | 30.2 | 40.3 | 60.4 | 80.6 | 90.6 | *90.6* | 90.6 |
| 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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Scaled Data Report

REPORT NUMBER: P1366517
CATALOG NUMBER: GSS-SB6C-730-U-T3R

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 | 6595.8 |
| 2.5° | 6626.0 | 6656.2 | 6787.1 | 6857.6 | 6988.5 | 7089.2 | 7149.6 | 7179.8 | 7210.1 | 7230.2 | 7220.1 |
| 5° | 6696.5 | 6787.1 | 7038.9 | 7230.2 | 7381.2 | 7481.9 | 7532.3 | 7572.6 | 7582.6 | 7602.8 | 7592.7 |
| 7.5° | 6827.4 | 6968.4 | 7351.0 | 7572.6 | 7703.5 | 7743.8 | 7703.5 | 7683.3 | 7653.1 | 7622.9 | 7622.9 |
| 10° | 7038.9 | 7260.4 | 7713.6 | 7874.7 | 7884.7 | 7824.3 | 7693.4 | 7542.4 | 7431.6 | 7391.3 | 7371.2 |
| 12.5° | 7310.8 | 7622.9 | 8086.1 | 8126.4 | 7995.5 | 7713.6 | 7341.0 | 7028.8 | 6827.4 | 6676.4 | 6666.3 |
| 15° | 7643.1 | 8005.6 | 8408.4 | 8287.5 | 7915.0 | 7320.8 | 6706.6 | 6263.5 | 6031.9 | 5901.0 | 5840.6 |
| 17.5° | 7985.4 | 8448.7 | 8700.4 | 8368.1 | 7582.6 | 6615.9 | 5880.8 | 5528.4 | 5316.9 | 5246.4 | 5196.1 |
| 20° | 8368.1 | 8811.2 | 8901.8 | 8247.3 | 6978.5 | 5830.5 | 5165.9 | 4944.3 | 4944.3 | 4924.2 | 4904.0 |
| 22.5° | 8760.8 | 9183.8 | 9012.6 | 7915.0 | 6182.9 | 5055.1 | 4652.3 | 4732.9 | 4873.8 | 4914.1 | 4914.1 |
| 25° | 9123.3 | 9506.0 | 9012.6 | 7320.8 | 5236.4 | 4420.7 | 4450.9 | 4642.2 | 4823.5 | 4924.2 | 4924.2 |
| 27.5° | 9475.8 | 9707.4 | 8831.3 | 6485.0 | 4380.4 | 4098.5 | 4279.7 | 4511.3 | 4803.3 | 4954.4 | 4964.5 |
| 30° | 9828.2 | 9858.4 | 8509.1 | 5417.6 | 3766.1 | 3866.8 | 4078.3 | 4380.4 | 4702.7 | 4894.0 | 4914.1 |
| 32.5° | 10200.8 | 9999.4 | 8055.9 | 4360.3 | 3484.2 | 3645.3 | 3897.1 | 4138.7 | 4390.5 | 4531.5 | 4541.5 |
| 35° | 10623.8 | 10130.3 | 7471.9 | 3544.6 | 3302.9 | 3494.3 | 3685.6 | 3766.1 | 3836.6 | 3917.2 | 3967.5 |
| 37.5° | 11087.0 | 10301.5 | 6706.6 | 3131.7 | 3131.7 | 3353.3 | 3464.1 | 3302.9 | 3282.8 | 3272.7 | 3242.5 |
| 40° | 11600.5 | 10482.8 | 5749.9 | 2920.3 | 3000.8 | 3202.2 | 3111.6 | 2920.3 | 2779.3 | 2628.2 | 2638.3 |
| 42.5° | 12245.0 | 10714.4 | 4662.4 | 2819.6 | 2910.2 | 3081.4 | 2829.6 | 2598.0 | 2215.4 | 2114.7 | 2134.8 |
| 45° | 12980.1 | 11006.4 | 3796.4 | 2728.9 | 2839.7 | 2970.6 | 2638.3 | 2195.2 | 1953.6 | 2054.3 | 2124.8 |
| 47.5° | 13755.5 | 11389.1 | 3172.0 | 2658.5 | 2809.5 | 2839.7 | 2517.5 | 2014.0 | 1852.9 | 2074.4 | 2165.0 |
| 50° | 14671.9 | 11741.5 | 2880.0 | 2588.0 | 2799.4 | 2799.4 | 2306.0 | 1983.8 | 1772.3 | 1963.6 | 2054.3 |
| 52.5° | 15598.3 | 12083.9 | 2728.9 | 2507.4 | 2769.2 | 2789.4 | 2255.7 | 1943.5 | 1661.5 | 1722.0 | 1762.2 |
| 55° | 16504.6 | 12275.2 | 2648.4 | 2396.6 | 2739.0 | 2739.0 | 2275.8 | 1873.0 | 1550.8 | 1550.8 | 1570.9 |
| 57.5° | 17421.0 | 12406.1 | 2577.9 | 2265.7 | 2638.3 | 2588.0 | 2275.8 | 1822.7 | 1510.5 | 1470.2 | 1490.3 |
| 60° | 18438.0 | 12486.7 | 2507.4 | 2114.7 | 2497.3 | 2406.7 | 2265.7 | 1782.4 | 1460.1 | 1399.7 | 1409.8 |
| 62.5° | 18599.1 | 11922.8 | 2376.5 | 1953.6 | 2306.0 | 2255.7 | 2225.5 | 1732.0 | 1379.6 | 1258.7 | 1258.7 |
| 65° | 18025.1 | 11076.9 | 2215.4 | 1752.2 | 2054.3 | 2104.6 | 2144.9 | 1671.6 | 1299.0 | 1158.0 | 1168.1 |
| 67.5° | 17964.7 | 10442.5 | 2044.2 | 1570.9 | 1722.0 | 1913.3 | 2044.2 | 1570.9 | 1178.2 | 1057.3 | 1047.3 |
| 68° | *17823.7* | *10210.9* | *1993.8* | *1530.6* | *1661.5* | *1873.0* | *1983.8* | *1530.6* | *1158.0* | *1037.2* | *1037.2* |
| 70° | 16917.5 | 9203.9 | 1691.7 | 1349.4 | 1470.2 | 1530.6 | 1742.1 | 1359.4 | 1037.2 | 936.5 | 946.6 |
| 72.5° | 15155.2 | 7502.1 | 1299.0 | 1097.6 | 1178.2 | 1178.2 | 1510.5 | 1258.7 | 946.6 | 855.9 | 855.9 |
| 75° | 12637.7 | 5931.2 | 986.9 | 866.0 | 825.7 | 956.6 | 1228.5 | 1137.9 | 835.8 | 765.3 | 735.1 |
| 77.5° | 5739.9 | 2557.8 | 644.5 | 604.2 | 614.3 | 745.2 | 976.8 | 976.8 | 795.5 | 624.3 | 553.8 |
| 80° | 1268.8 | 795.5 | 392.7 | 362.5 | 362.5 | 473.3 | 684.8 | 704.9 | 574.0 | 433.0 | 372.6 |
| 82.5° | 422.9 | 322.2 | 241.7 | 221.5 | 211.5 | 251.7 | 422.9 | 463.2 | 342.4 | 251.7 | 251.7 |
| 85° | 161.1 | 151.0 | 130.9 | 120.8 | 100.7 | 100.7 | 130.9 | 211.5 | 181.3 | 120.8 | 120.8 |
| 87.5° | 80.6 | 80.6 | 70.5 | 50.3 | 40.3 | 30.2 | 20.1 | 20.1 | 20.1 | 30.2 | 20.1 |
| 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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# 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

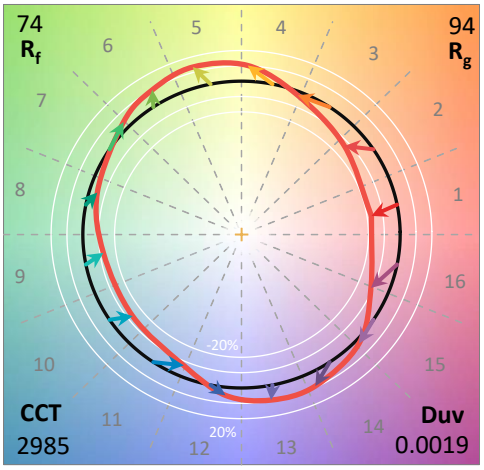
## Test Information

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

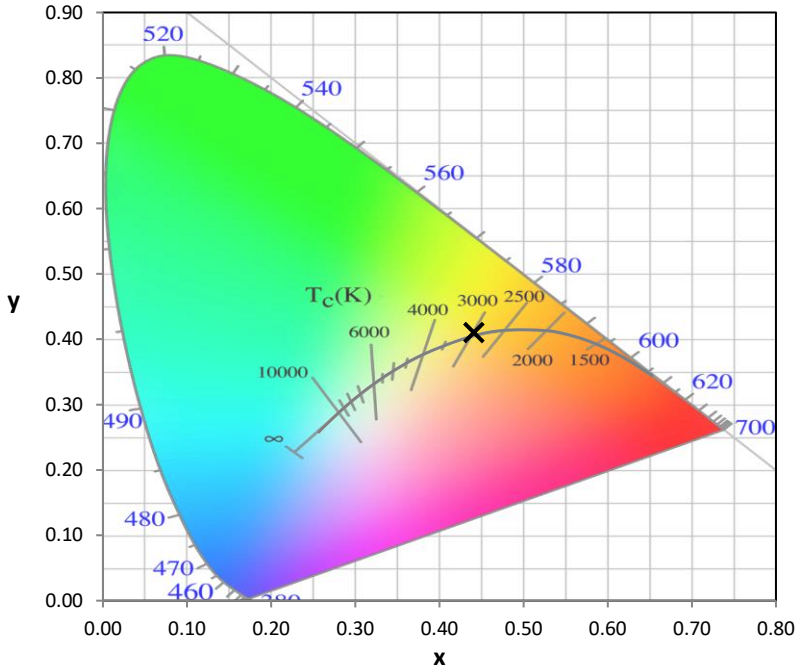
| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-4

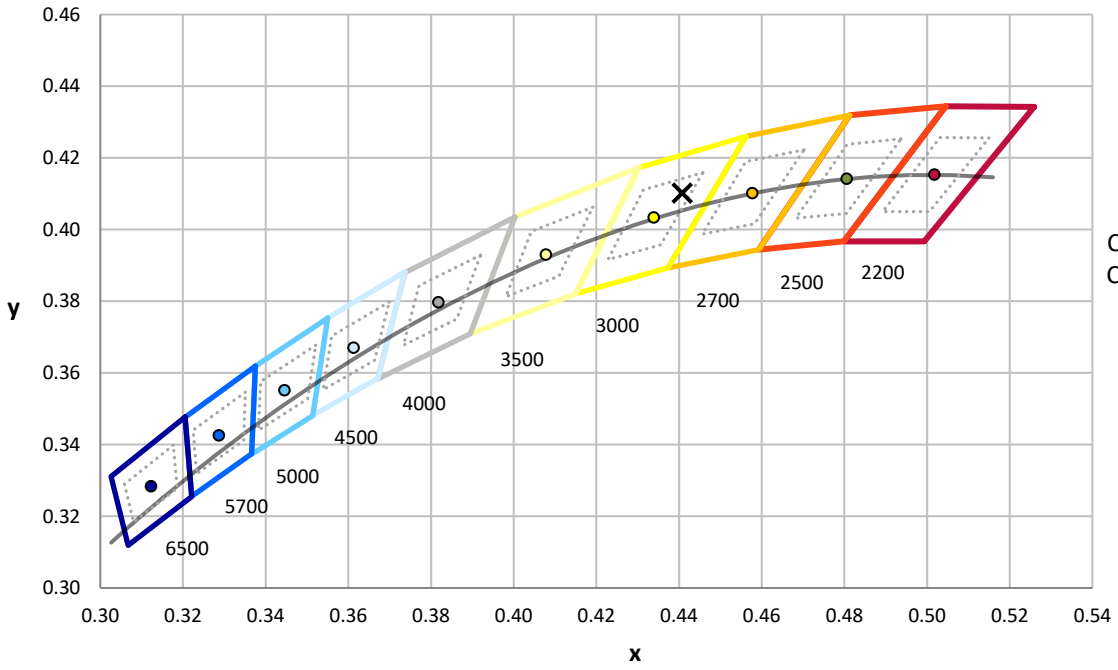
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

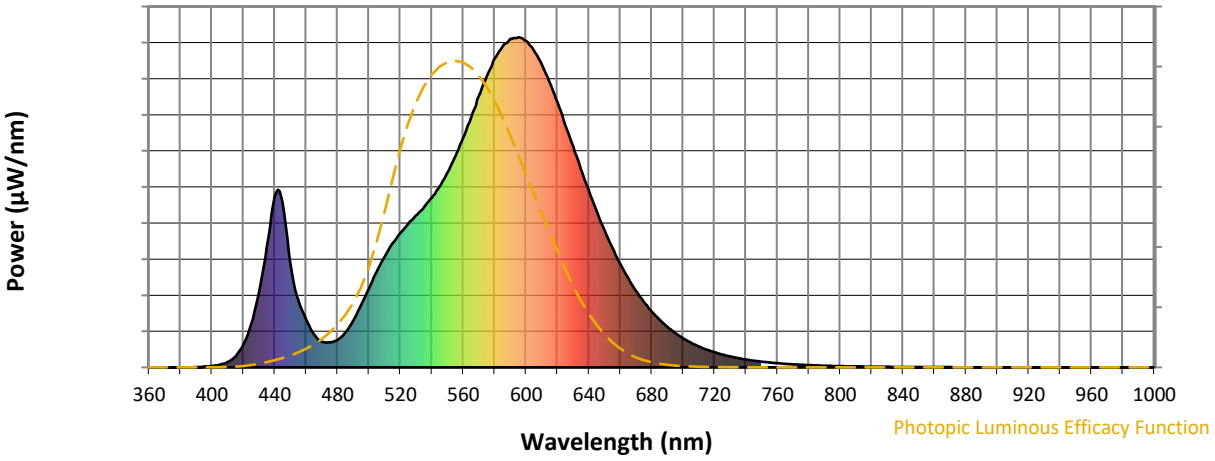



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

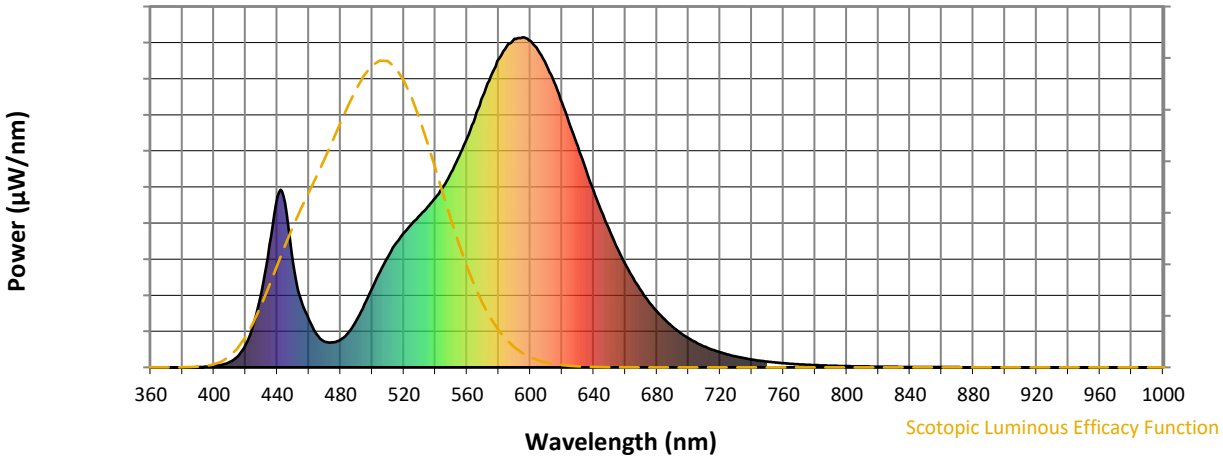



## Photopic Lumens: NR

| 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

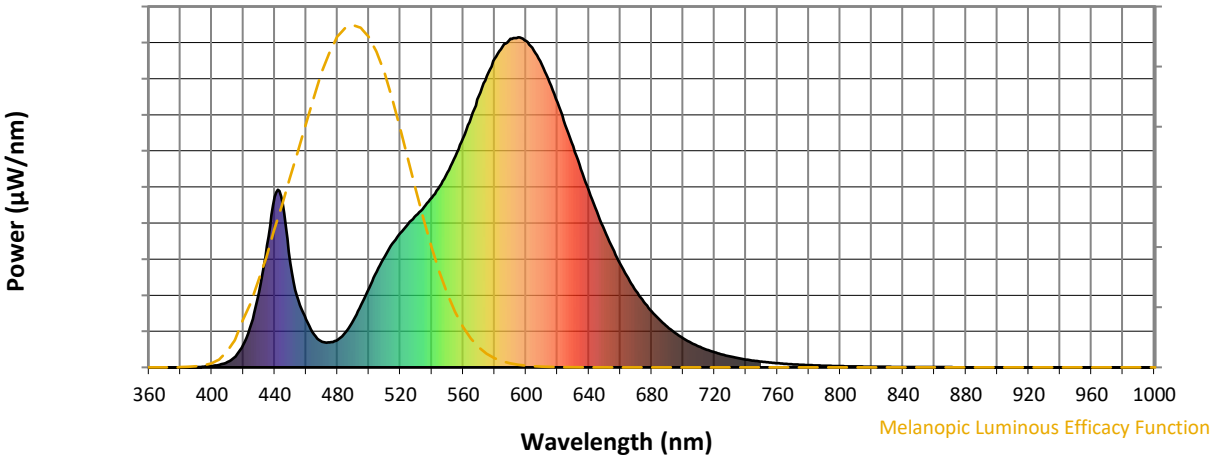



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | | | |

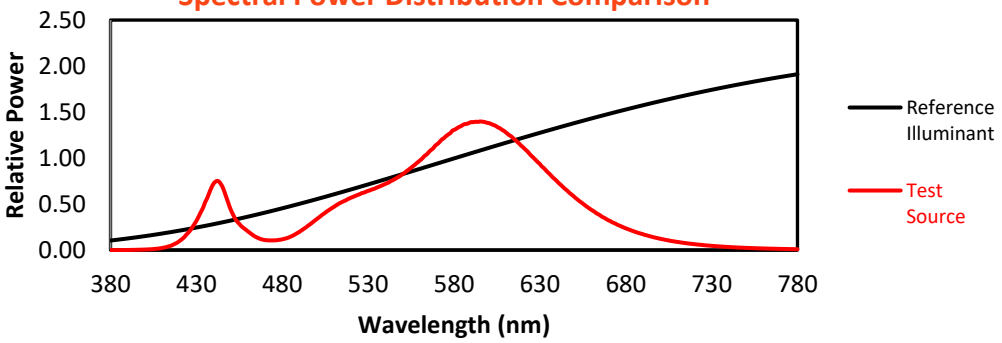
REPORT NUMBER: SP1-2407-184-4

# TM-30-18

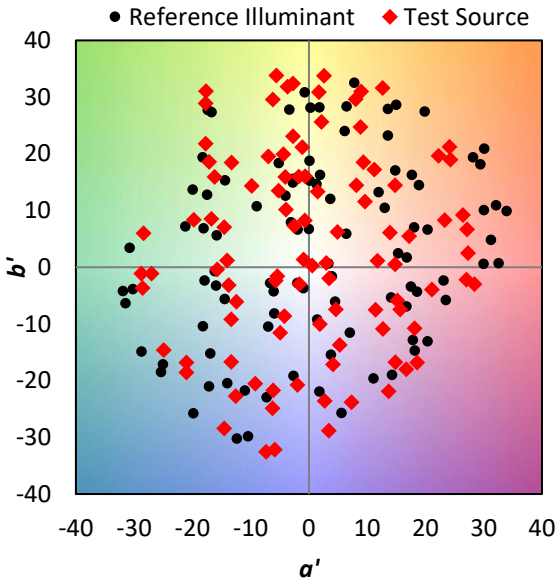
## Summary

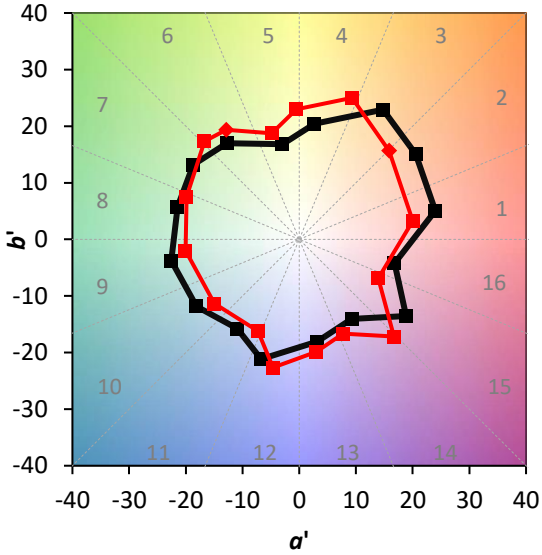
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

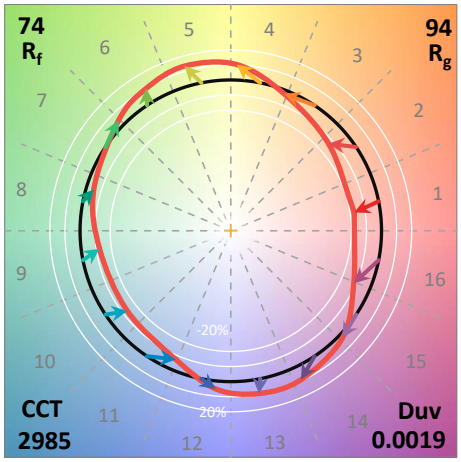
## Spectral Power Distribution Comparison

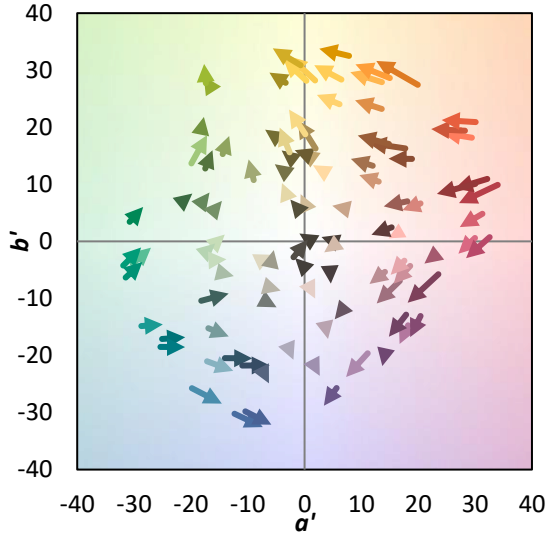



## Color Vector Graphics



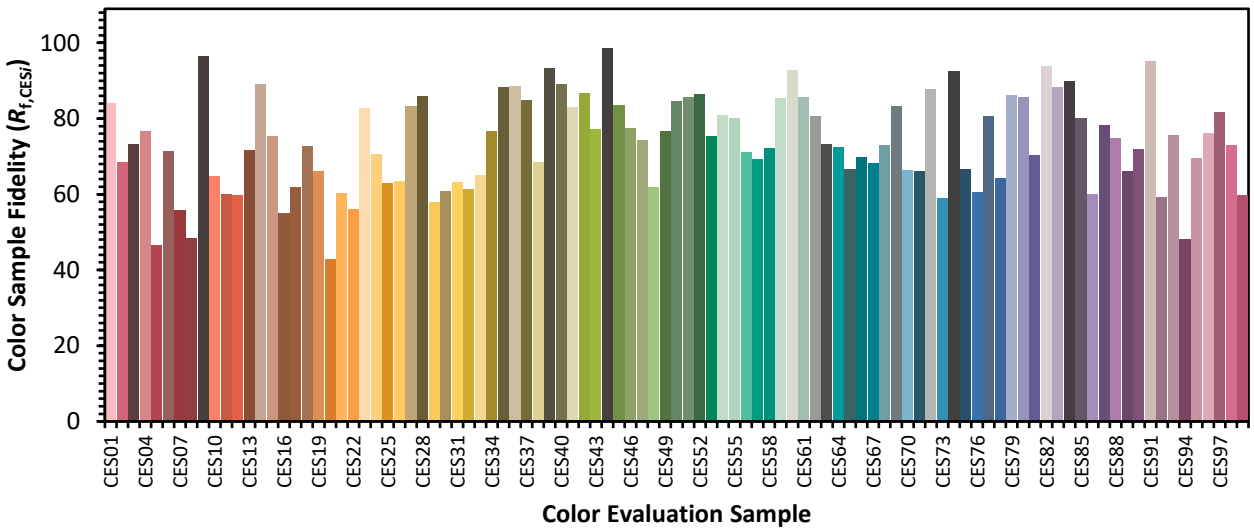



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

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

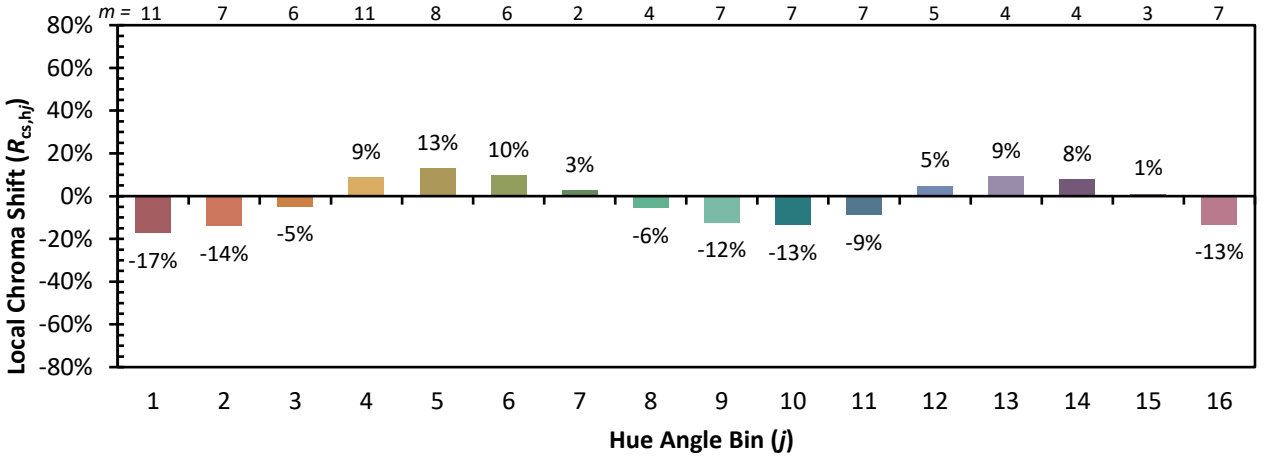
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06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

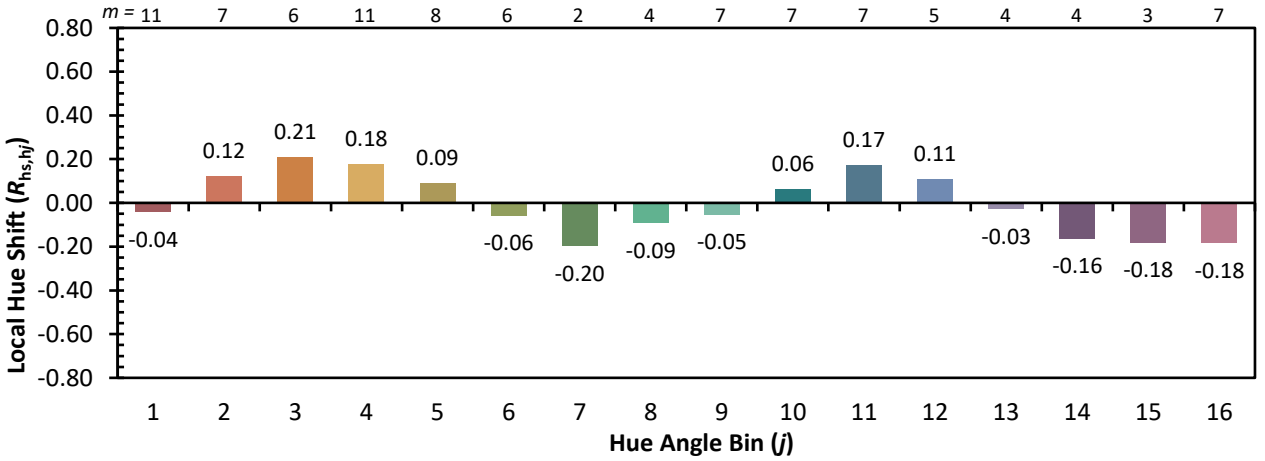


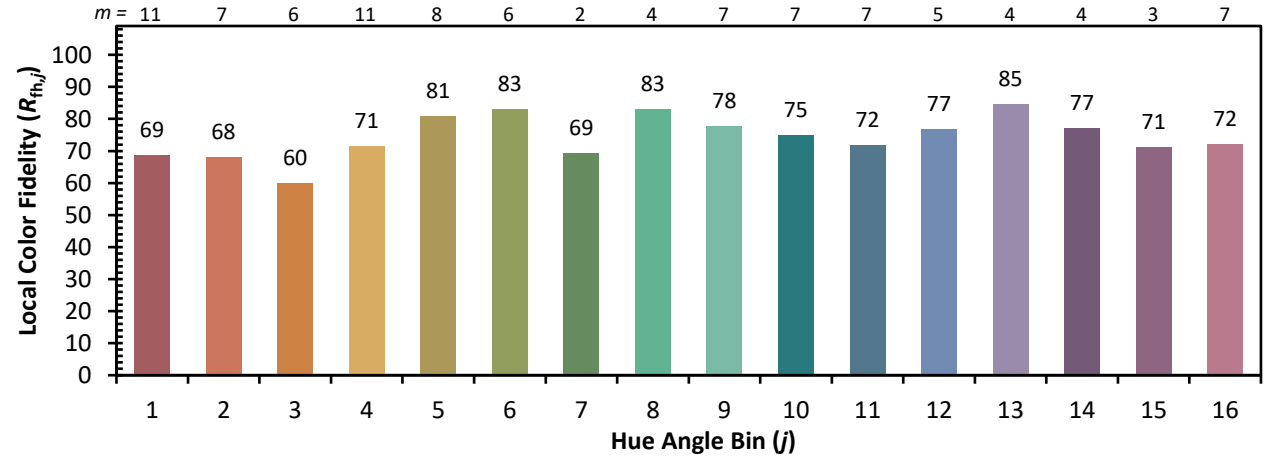
REPORT NUMBER: SP1-2407-184-4

**TM-30-18**

## Color Rendition by Hue-Angle Bin



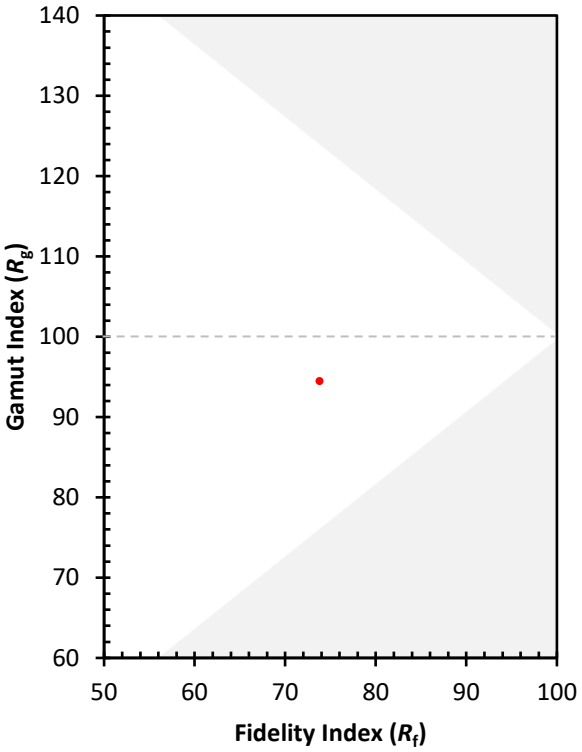



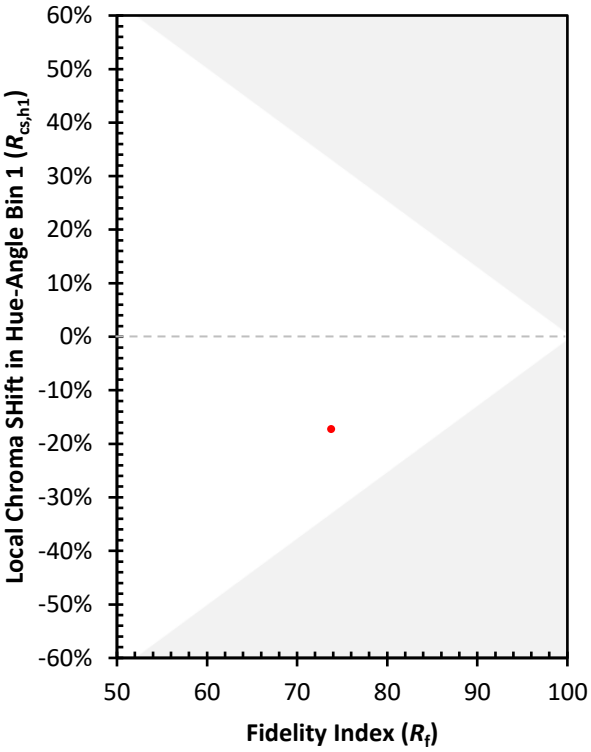



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

## Measure Comparisons




(END OF REPORT)