

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635241

Luminaire Tested: GWS-SA3D-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16434.3 lumens
Efficiency: N/A
Efficacy: 136.0 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

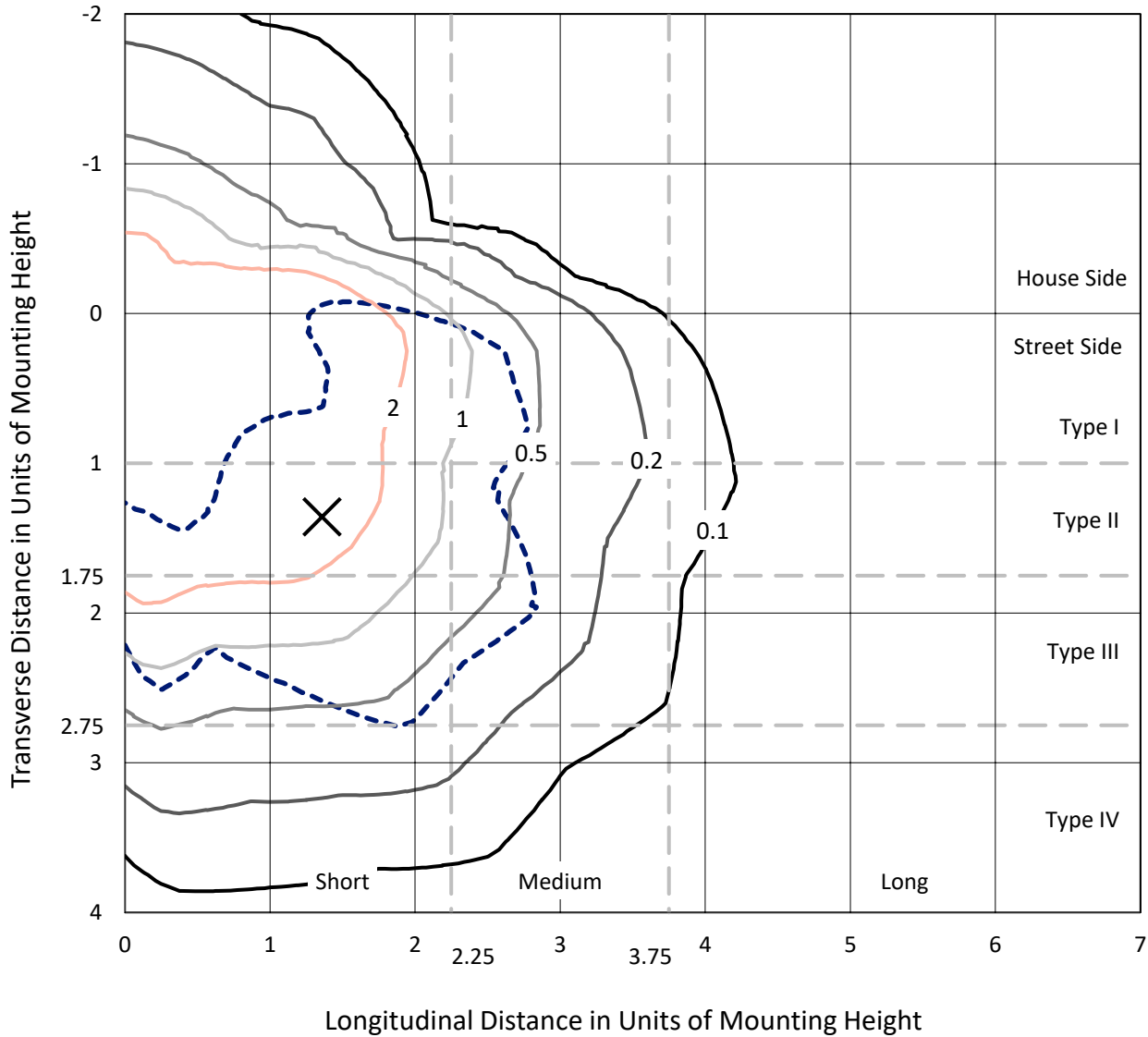
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

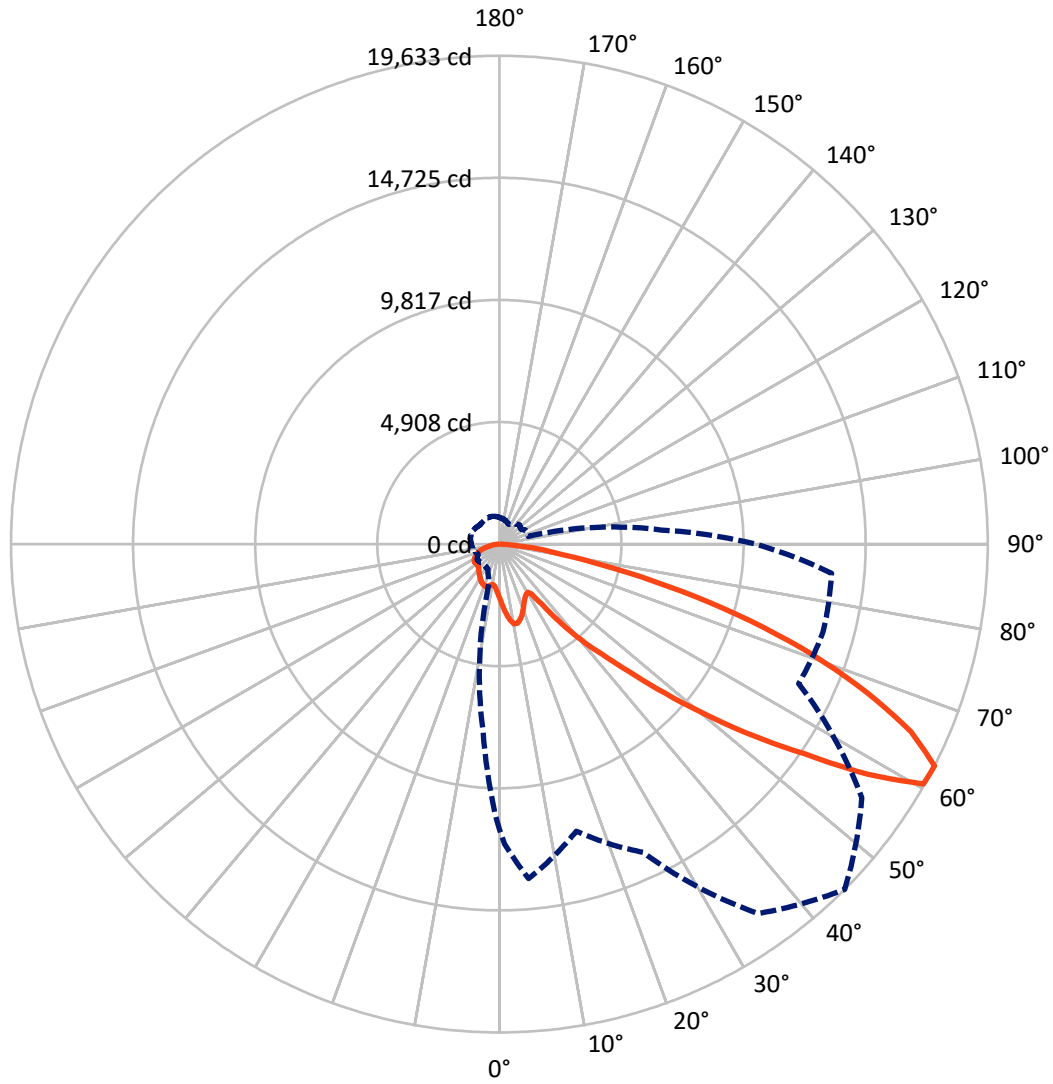
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA3D-735-U-SLR-W

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3921.5 | 0.0 | 3921.5 |
| | % Fixture | 23.9 | 0.0 | 23.9 |
| Street Side | Lumens | 12512.8 | 0.0 | 12512.8 |
| | % Fixture | 76.1 | 0.0 | 76.1 |
| Total | Lumens | 16434.3 | 0.0 | 16434.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 213.0 | 1.3 |
| 10°-20° | 667.8 | 4.1 |
| 20°-30° | 1037.2 | 6.3 |
| 30°-40° | 1408.3 | 8.6 |
| 40°-50° | 2232.0 | 13.6 |
| 50°-60° | 3937.2 | 24.0 |
| 60°-70° | 4380.7 | 26.7 |
| 70°-80° | 2221.7 | 13.5 |
| 80°-90° | 336.4 | 2.0 |
| 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° | 16434.3 | 100.0 |
| 0°-180° | 16434.3 | 100.0 |

Coefficient of Utilization



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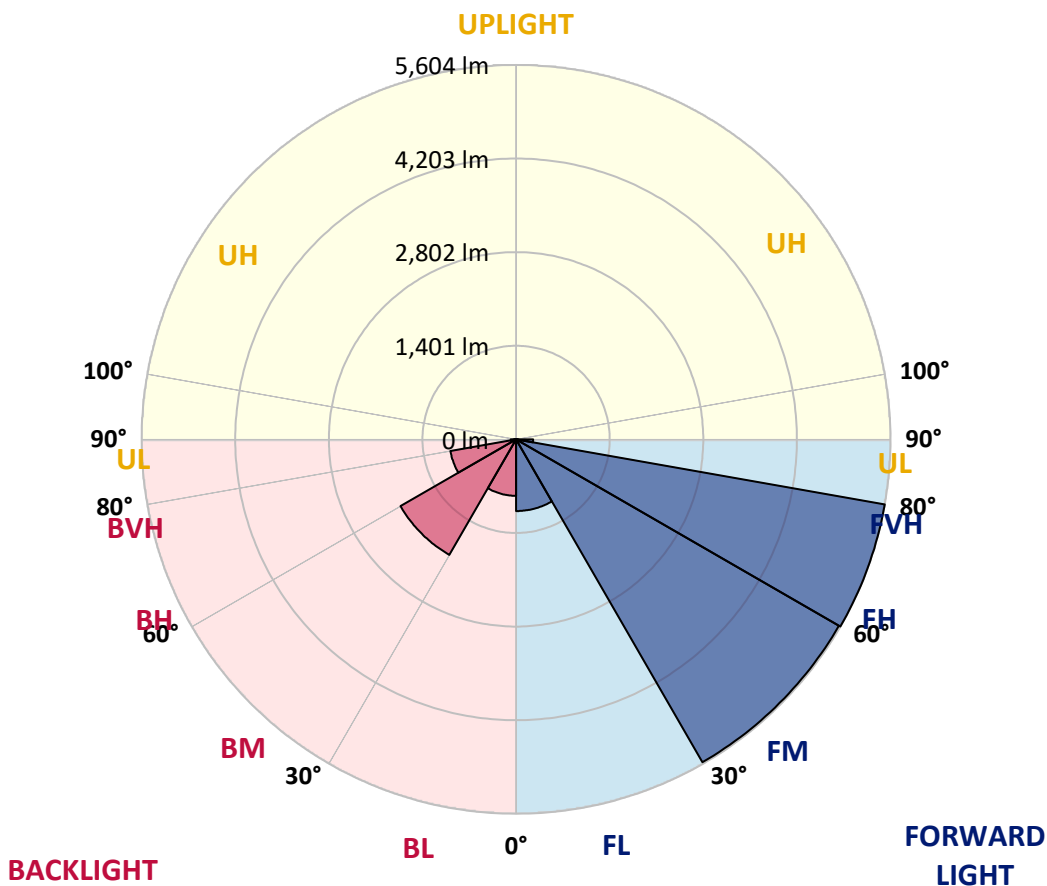
CATALOG NUMBER: GWS-SA3D-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1073.0 | 6.5 | | | |
| FM (30°-60°) | 5580.2 | 34.0 | | | |
| FH (60°-80°) | 5604.2 | 34.1 | | | G3/7500 |
| FVH (80°-90°) | 255.3 | 1.6 | | | G3/500 |
| BL (0°-30°) | 845.0 | 5.1 | B2/1000 | | |
| BM (30°-60°) | 1997.3 | 12.2 | B2/2500 | | |
| BH (60°-80°) | 998.2 | 6.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 81.1 | 0.5 | | | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 |
| 2.5° | 2344.2 | 2342.9 | 2366.6 | 2402.6 | 2436.2 | 2451.2 | 2476.1 | 2473.6 | 2453.7 | 2427.5 | 2418.8 |
| 5° | 2528.3 | 2533.3 | 2574.3 | 2654.0 | 2742.3 | 2779.7 | 2795.8 | 2789.6 | 2753.5 | 2707.5 | 2626.6 |
| 7.5° | 2695.0 | 2703.8 | 2767.2 | 2886.7 | 2996.1 | 3045.9 | 3085.7 | 3078.3 | 3026.0 | 2940.2 | 2820.7 |
| 10° | 2817.0 | 2826.9 | 2902.8 | 3043.4 | 3165.4 | 3208.9 | 3259.9 | 3262.4 | 3216.4 | 3100.7 | 2978.7 |
| 12.5° | 2938.9 | 2948.9 | 3019.8 | 3147.9 | 3227.6 | 3228.8 | 3258.7 | 3274.9 | 3277.3 | 3223.8 | 3101.9 |
| 15° | 3065.8 | 3074.5 | 3139.2 | 3211.4 | 3207.7 | 3138.0 | 3138.0 | 3169.1 | 3237.5 | 3276.1 | 3191.5 |
| 17.5° | 3174.1 | 3185.3 | 3235.0 | 3211.4 | 3100.7 | 2975.0 | 2960.1 | 2999.9 | 3119.3 | 3267.4 | 3258.7 |
| 20° | 3263.7 | 3272.4 | 3299.7 | 3143.0 | 2941.4 | 2777.2 | 2748.5 | 2794.6 | 2956.3 | 3213.9 | 3309.7 |
| 22.5° | 3349.5 | 3354.5 | 3339.6 | 3053.4 | 2769.7 | 2581.8 | 2547.0 | 2595.5 | 2769.7 | 3119.3 | 3353.2 |
| 25° | 3451.5 | 3446.6 | 3375.6 | 2960.1 | 2612.9 | 2427.5 | 2391.4 | 2446.2 | 2627.9 | 2993.7 | 3400.5 |
| 27.5° | 3569.7 | 3551.1 | 3406.8 | 2859.3 | 2492.2 | 2313.1 | 2288.2 | 2346.7 | 2515.9 | 2877.9 | 3437.9 |
| 30° | 3670.5 | 3634.4 | 3411.7 | 2769.7 | 2430.0 | 2264.5 | 2249.6 | 2304.3 | 2461.1 | 2799.6 | 3485.1 |
| 32.5° | 3782.5 | 3732.7 | 3440.3 | 2746.1 | 2464.9 | 2381.5 | 2401.4 | 2405.1 | 2476.1 | 2777.2 | 3556.1 |
| 35° | 3943.0 | 3878.3 | 3518.7 | 2814.5 | 2823.2 | 2963.8 | 3036.0 | 2938.9 | 2701.3 | 2826.9 | 3690.4 |
| 37.5° | 4185.7 | 4103.5 | 3678.0 | 3110.6 | 3563.5 | 3878.3 | 4052.5 | 3831.0 | 3385.6 | 3014.8 | 3893.3 |
| 40° | 4480.5 | 4376.0 | 3882.1 | 3658.1 | 4255.3 | 4759.2 | 5069.1 | 4744.3 | 4089.8 | 3483.9 | 4178.2 |
| 42.5° | 4892.4 | 4782.9 | 4277.7 | 4195.6 | 4896.1 | 5646.4 | 6050.8 | 5566.8 | 4710.7 | 4089.8 | 4634.8 |
| 45° | 5610.3 | 5504.6 | 5003.1 | 4734.4 | 5646.4 | 6738.8 | 7306.2 | 6633.1 | 5341.6 | 4698.3 | 5488.4 |
| 47.5° | 6936.7 | 6812.3 | 6080.6 | 5331.6 | 6502.4 | 8157.3 | 8951.1 | 7970.7 | 5997.3 | 5395.1 | 6921.8 |
| 50° | 8529.3 | 8409.9 | 7433.1 | 6038.3 | 7448.1 | 9674.0 | 10777.7 | 9542.1 | 6752.5 | 6242.4 | 8635.1 |
| 52.5° | 10445.5 | 10423.1 | 9363.0 | 6931.7 | 8432.3 | 11291.6 | 12804.6 | 11282.8 | 7580.0 | 7383.4 | 10576.1 |
| 55° | 12172.5 | 12391.5 | 11814.1 | 8294.2 | 9703.9 | 13323.4 | 14888.7 | 13181.6 | 8702.3 | 9269.6 | 12849.4 |
| 57.5° | 13103.2 | 13691.7 | 14578.9 | 11073.8 | 11552.8 | 15752.2 | 17460.5 | 15499.6 | 10630.9 | 12410.1 | 14957.1 |
| 60° | 12488.5 | 13155.4 | 14763.0 | 13166.6 | 13386.9 | 17698.2 | 19583.2 | 17448.1 | 12524.6 | 14590.1 | 14837.7 |
| 62.5° | 11465.7 | 12064.2 | 13493.9 | 11944.8 | 13670.6 | 18126.2 | 19633.0 | 17787.8 | 13277.4 | 13483.9 | 13403.0 |
| 65° | 10252.6 | 10856.1 | 12370.3 | 10426.8 | 12768.5 | 17109.7 | 18184.7 | 16788.6 | 11924.9 | 12182.4 | 12212.3 |
| 67.5° | 8641.3 | 9198.7 | 10740.4 | 9270.9 | 11638.7 | 15617.8 | 15961.2 | 15365.2 | 10981.7 | 11392.3 | 10963.1 |
| 70° | 6456.4 | 6959.1 | 8320.3 | 7533.9 | 9810.9 | 13674.3 | 13396.8 | 13485.2 | 9922.9 | 10331.0 | 9157.7 |
| 72.5° | 4412.1 | 4790.4 | 5957.5 | 5920.1 | 7512.8 | 10946.9 | 10559.9 | 11397.3 | 8287.9 | 8829.2 | 6981.5 |
| 75° | 3085.7 | 3380.6 | 4306.3 | 4677.1 | 5678.7 | 8113.7 | 7520.2 | 8530.6 | 6472.6 | 7245.3 | 5094.0 |
| 77.5° | 1893.7 | 2089.1 | 2719.9 | 3465.2 | 3653.1 | 5553.1 | 4670.9 | 6419.1 | 4545.2 | 5284.3 | 3398.0 |
| 80° | 946.9 | 1041.4 | 1321.4 | 2178.7 | 2422.6 | 3272.4 | 2579.3 | 3726.5 | 3075.8 | 3272.4 | 1880.1 |
| 82.5° | 286.2 | 316.0 | 387.0 | 827.4 | 1255.4 | 1883.8 | 1524.2 | 2165.0 | 1679.7 | 1534.2 | 740.3 |
| 85° | 75.9 | 85.9 | 107.0 | 245.1 | 440.5 | 675.6 | 515.1 | 1048.9 | 805.0 | 566.1 | 278.7 |
| 87.5° | 6.2 | 6.2 | 5.0 | 5.0 | 2.5 | 0.0 | 0.0 | 74.7 | 150.6 | 85.9 | 48.5 |
| 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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 CATALOG NUMBER: GWS-SA3D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 |
| 2.5° | 2375.3 | 2370.3 | 2319.3 | 2282.0 | 2238.4 | 2196.1 | 2152.5 | 2114.0 | 2070.4 | 2026.9 | 2014.4 |
| 5° | 2566.9 | 2532.0 | 2423.8 | 2333.0 | 2243.4 | 2165.0 | 2096.6 | 2025.6 | 1968.4 | 1912.4 | 1891.3 |
| 7.5° | 2736.1 | 2675.1 | 2518.4 | 2380.2 | 2255.8 | 2158.8 | 2058.0 | 1954.7 | 1873.8 | 1794.2 | 1774.3 |
| 10° | 2889.1 | 2808.3 | 2610.4 | 2436.2 | 2298.1 | 2187.4 | 2069.2 | 1931.1 | 1814.1 | 1717.1 | 1690.9 |
| 12.5° | 3002.4 | 2914.0 | 2690.1 | 2489.7 | 2333.0 | 2208.5 | 2091.6 | 1969.6 | 1846.5 | 1720.8 | 1692.2 |
| 15° | 3092.0 | 2999.9 | 2756.0 | 2530.8 | 2334.2 | 2173.7 | 2060.5 | 2018.2 | 1979.6 | 1856.4 | 1804.2 |
| 17.5° | 3164.1 | 3067.1 | 2813.2 | 2555.7 | 2300.6 | 2067.9 | 1969.6 | 2031.9 | 2130.2 | 2053.0 | 1954.7 |
| 20° | 3230.1 | 3131.8 | 2856.8 | 2573.1 | 2226.0 | 1922.4 | 1867.6 | 1999.5 | 2147.6 | 2145.1 | 2056.7 |
| 22.5° | 3302.2 | 3206.4 | 2920.3 | 2583.1 | 2121.4 | 1774.3 | 1806.6 | 1952.2 | 2072.9 | 2109.0 | 2054.3 |
| 25° | 3394.3 | 3309.7 | 3008.6 | 2605.5 | 2003.2 | 1672.3 | 1761.9 | 1891.3 | 1992.0 | 2000.8 | 1968.4 |
| 27.5° | 3501.3 | 3437.9 | 3140.5 | 2657.7 | 1888.8 | 1620.0 | 1709.6 | 1805.4 | 1897.5 | 1901.2 | 1862.6 |
| 30° | 3618.3 | 3576.0 | 3262.4 | 2701.3 | 1802.9 | 1603.8 | 1642.4 | 1719.6 | 1778.0 | 1788.0 | 1754.4 |
| 32.5° | 3767.6 | 3730.3 | 3370.7 | 2672.6 | 1751.9 | 1600.1 | 1580.2 | 1620.0 | 1668.5 | 1668.5 | 1642.4 |
| 35° | 3972.9 | 3920.6 | 3485.1 | 2563.2 | 1689.7 | 1585.2 | 1514.3 | 1525.4 | 1546.6 | 1550.3 | 1535.4 |
| 37.5° | 4264.0 | 4178.2 | 3600.9 | 2346.7 | 1587.7 | 1531.7 | 1438.4 | 1424.7 | 1432.1 | 1442.1 | 1438.4 |
| 40° | 4624.9 | 4484.3 | 3770.1 | 2086.6 | 1465.7 | 1428.4 | 1360.0 | 1333.8 | 1327.6 | 1347.5 | 1355.0 |
| 42.5° | 5079.0 | 4863.8 | 3951.7 | 1844.0 | 1355.0 | 1310.2 | 1267.9 | 1245.5 | 1235.5 | 1269.1 | 1289.0 |
| 45° | 5804.4 | 5449.8 | 4125.9 | 1603.8 | 1292.8 | 1209.4 | 1180.8 | 1164.6 | 1169.6 | 1209.4 | 1234.3 |
| 47.5° | 7057.4 | 6344.4 | 4291.4 | 1452.0 | 1287.8 | 1137.2 | 1102.4 | 1106.1 | 1119.8 | 1162.1 | 1192.0 |
| 50° | 8642.5 | 7542.6 | 4402.2 | 1388.6 | 1302.7 | 1093.7 | 1047.7 | 1067.6 | 1088.7 | 1129.8 | 1164.6 |
| 52.5° | 10256.3 | 8658.7 | 4270.3 | 1353.7 | 1301.5 | 1094.9 | 996.6 | 1056.4 | 1066.3 | 1107.4 | 1144.7 |
| 55° | 11366.2 | 8783.1 | 3689.2 | 1300.2 | 1281.6 | 1144.7 | 956.8 | 1051.4 | 1057.6 | 1094.9 | 1128.5 |
| 57.5° | 11789.3 | 8357.6 | 2813.2 | 1315.2 | 1221.9 | 1183.3 | 939.4 | 1016.6 | 1061.3 | 1093.7 | 1128.5 |
| 60° | 11277.9 | 7555.1 | 1709.6 | 1353.7 | 1126.0 | 1180.8 | 950.6 | 953.1 | 1030.2 | 1085.0 | 1119.8 |
| 62.5° | 10313.6 | 6524.8 | 1200.7 | 1244.2 | 1056.4 | 1114.8 | 976.7 | 878.4 | 975.5 | 1041.4 | 1072.5 |
| 65° | 9208.7 | 5312.9 | 915.8 | 1071.3 | 1022.8 | 1012.8 | 985.4 | 812.5 | 900.8 | 965.5 | 992.9 |
| 67.5° | 8057.8 | 4129.7 | 744.1 | 798.8 | 924.5 | 915.8 | 900.8 | 754.0 | 812.5 | 858.5 | 889.6 |
| 70° | 6608.2 | 2889.1 | 628.3 | 599.7 | 792.6 | 821.2 | 787.6 | 680.6 | 699.3 | 746.5 | 771.4 |
| 72.5° | 4833.9 | 1800.4 | 516.4 | 495.2 | 637.1 | 717.9 | 700.5 | 599.7 | 608.4 | 653.2 | 673.1 |
| 75° | 3476.4 | 1030.2 | 414.3 | 408.1 | 486.5 | 614.7 | 579.8 | 516.4 | 526.3 | 559.9 | 573.6 |
| 77.5° | 2209.8 | 573.6 | 319.8 | 328.5 | 348.4 | 459.1 | 495.2 | 441.7 | 441.7 | 461.6 | 472.8 |
| 80° | 1183.3 | 328.5 | 233.9 | 237.7 | 243.9 | 350.9 | 390.7 | 342.2 | 342.2 | 328.5 | 342.2 |
| 82.5° | 482.8 | 189.1 | 160.5 | 149.3 | 163.0 | 240.1 | 273.7 | 217.7 | 227.7 | 205.3 | 210.3 |
| 85° | 159.3 | 94.6 | 79.6 | 78.4 | 77.1 | 105.8 | 131.9 | 108.2 | 129.4 | 82.1 | 85.9 |
| 87.5° | 21.2 | 17.4 | 10.0 | 7.5 | 8.7 | 3.7 | 7.5 | 8.7 | 8.7 | 6.2 | 6.2 |
| 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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 CATALOG NUMBER: GWS-SA3D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 |
| 2.5° | 2005.7 | 1995.8 | 1959.7 | 1968.4 | 1962.2 | 1952.2 | 1962.2 | 1943.5 | 1958.4 | 1963.4 | 1994.5 |
| 5° | 1875.1 | 1851.4 | 1816.6 | 1799.2 | 1795.5 | 1785.5 | 1786.7 | 1778.0 | 1780.5 | 1801.7 | 1836.5 |
| 7.5° | 1758.1 | 1735.7 | 1708.4 | 1695.9 | 1684.7 | 1673.5 | 1672.3 | 1671.0 | 1681.0 | 1699.6 | 1733.2 |
| 10° | 1673.5 | 1661.1 | 1649.9 | 1654.9 | 1649.9 | 1644.9 | 1636.2 | 1636.2 | 1652.4 | 1686.0 | 1727.0 |
| 12.5° | 1673.5 | 1671.0 | 1673.5 | 1688.4 | 1687.2 | 1688.4 | 1677.2 | 1683.5 | 1728.3 | 1785.5 | 1844.0 |
| 15° | 1763.1 | 1743.2 | 1743.2 | 1750.7 | 1748.2 | 1748.2 | 1748.2 | 1774.3 | 1876.3 | 1964.7 | 2026.9 |
| 17.5° | 1872.6 | 1814.1 | 1789.2 | 1785.5 | 1784.3 | 1784.3 | 1789.2 | 1845.2 | 2004.5 | 2097.8 | 2133.9 |
| 20° | 1948.5 | 1837.8 | 1796.7 | 1780.5 | 1781.8 | 1784.3 | 1799.2 | 1876.3 | 2051.8 | 2099.0 | 2090.3 |
| 22.5° | 1962.2 | 1819.1 | 1769.3 | 1745.7 | 1749.4 | 1751.9 | 1774.3 | 1856.4 | 1987.1 | 1994.5 | 1977.1 |
| 25° | 1898.7 | 1766.8 | 1713.3 | 1694.7 | 1699.6 | 1698.4 | 1718.3 | 1778.0 | 1871.3 | 1868.9 | 1858.9 |
| 27.5° | 1804.2 | 1683.5 | 1643.7 | 1631.2 | 1639.9 | 1630.0 | 1636.2 | 1682.2 | 1754.4 | 1751.9 | 1748.2 |
| 30° | 1707.1 | 1602.6 | 1566.5 | 1560.3 | 1571.5 | 1556.6 | 1557.8 | 1596.4 | 1646.1 | 1643.7 | 1642.4 |
| 32.5° | 1610.1 | 1521.7 | 1489.4 | 1489.4 | 1500.6 | 1484.4 | 1486.9 | 1520.5 | 1554.1 | 1544.1 | 1544.1 |
| 35° | 1518.0 | 1455.8 | 1429.6 | 1424.7 | 1433.4 | 1422.2 | 1427.2 | 1458.3 | 1470.7 | 1457.0 | 1448.3 |
| 37.5° | 1437.1 | 1409.7 | 1383.6 | 1366.2 | 1367.4 | 1368.7 | 1383.6 | 1407.2 | 1399.8 | 1379.9 | 1368.7 |
| 40° | 1362.5 | 1362.5 | 1337.6 | 1305.2 | 1301.5 | 1310.2 | 1335.1 | 1361.2 | 1340.1 | 1317.7 | 1304.0 |
| 42.5° | 1308.9 | 1320.1 | 1296.5 | 1264.2 | 1256.7 | 1271.6 | 1299.0 | 1317.7 | 1292.8 | 1267.9 | 1249.2 |
| 45° | 1259.2 | 1286.6 | 1270.4 | 1234.3 | 1224.3 | 1241.8 | 1276.6 | 1284.1 | 1250.5 | 1226.8 | 1213.1 |
| 47.5° | 1224.3 | 1261.7 | 1250.5 | 1215.6 | 1200.7 | 1225.6 | 1261.7 | 1260.4 | 1218.1 | 1193.2 | 1182.0 |
| 50° | 1199.5 | 1246.7 | 1245.5 | 1215.6 | 1199.5 | 1230.6 | 1262.9 | 1246.7 | 1200.7 | 1174.6 | 1163.4 |
| 52.5° | 1179.5 | 1245.5 | 1254.2 | 1236.8 | 1225.6 | 1253.0 | 1272.9 | 1241.8 | 1188.3 | 1160.9 | 1152.2 |
| 55° | 1170.8 | 1250.5 | 1256.7 | 1240.5 | 1230.6 | 1255.4 | 1272.9 | 1251.7 | 1188.3 | 1163.4 | 1155.9 |
| 57.5° | 1173.3 | 1244.2 | 1245.5 | 1223.1 | 1205.7 | 1236.8 | 1264.2 | 1257.9 | 1201.9 | 1173.3 | 1164.6 |
| 60° | 1158.4 | 1210.7 | 1213.1 | 1178.3 | 1158.4 | 1195.7 | 1244.2 | 1240.5 | 1195.7 | 1165.9 | 1149.7 |
| 62.5° | 1108.6 | 1154.7 | 1155.9 | 1123.6 | 1094.9 | 1148.4 | 1201.9 | 1200.7 | 1159.6 | 1129.8 | 1111.1 |
| 65° | 1025.3 | 1073.8 | 1086.2 | 1055.1 | 1032.7 | 1090.0 | 1146.0 | 1143.5 | 1102.4 | 1075.0 | 1056.4 |
| 67.5° | 922.0 | 974.2 | 997.9 | 976.7 | 968.0 | 1020.3 | 1072.5 | 1071.3 | 1037.7 | 1011.6 | 995.4 |
| 70° | 796.3 | 839.9 | 879.7 | 879.7 | 873.5 | 933.2 | 989.2 | 984.2 | 953.1 | 933.2 | 920.7 |
| 72.5° | 691.8 | 725.4 | 737.8 | 750.3 | 768.9 | 831.2 | 878.4 | 882.2 | 859.8 | 849.8 | 859.8 |
| 75° | 588.5 | 609.7 | 620.9 | 610.9 | 643.3 | 708.0 | 770.2 | 776.4 | 752.8 | 736.6 | 740.3 |
| 77.5° | 484.0 | 507.7 | 518.9 | 496.5 | 494.0 | 576.1 | 652.0 | 665.7 | 645.8 | 620.9 | 628.3 |
| 80° | 349.6 | 380.7 | 399.4 | 384.5 | 379.5 | 415.6 | 520.1 | 535.0 | 516.4 | 496.5 | 507.7 |
| 82.5° | 214.0 | 231.4 | 236.4 | 251.3 | 282.4 | 297.4 | 334.7 | 384.5 | 370.8 | 353.4 | 384.5 |
| 85° | 84.6 | 100.8 | 112.0 | 126.9 | 148.1 | 175.4 | 206.5 | 246.4 | 224.0 | 216.5 | 255.1 |
| 87.5° | 5.0 | 1.2 | 0.0 | 2.5 | 21.2 | 41.1 | 88.3 | 121.9 | 102.0 | 109.5 | 131.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P635241
 CATALOG NUMBER: GWS-SA3D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 | 2181.2 |
| 2.5° | 2019.4 | 2051.8 | 2095.3 | 2131.4 | 2177.4 | 2221.0 | 2265.8 | 2310.6 | 2334.2 | 2344.2 |
| 5° | 1876.3 | 1936.1 | 2005.7 | 2082.9 | 2172.5 | 2267.0 | 2362.8 | 2461.1 | 2523.3 | 2528.3 |
| 7.5° | 1790.5 | 1876.3 | 1972.1 | 2069.2 | 2179.9 | 2310.6 | 2462.4 | 2614.2 | 2677.6 | 2695.0 |
| 10° | 1817.8 | 1913.7 | 1989.6 | 2080.4 | 2202.3 | 2365.3 | 2544.5 | 2722.4 | 2795.8 | 2817.0 |
| 12.5° | 1927.3 | 1946.0 | 1969.6 | 2053.0 | 2202.3 | 2412.6 | 2629.1 | 2840.6 | 2919.0 | 2938.9 |
| 15° | 2018.2 | 1928.6 | 1886.3 | 1974.6 | 2172.5 | 2453.7 | 2718.7 | 2952.6 | 3047.2 | 3065.8 |
| 17.5° | 2025.6 | 1871.3 | 1779.3 | 1858.9 | 2120.2 | 2482.3 | 2804.5 | 3077.0 | 3156.7 | 3174.1 |
| 20° | 1949.7 | 1810.4 | 1690.9 | 1739.5 | 2049.3 | 2494.7 | 2866.7 | 3167.9 | 3246.2 | 3263.7 |
| 22.5° | 1863.9 | 1760.6 | 1631.2 | 1628.7 | 1963.4 | 2508.4 | 2941.4 | 3253.7 | 3338.3 | 3349.5 |
| 25° | 1783.0 | 1692.2 | 1582.7 | 1547.8 | 1863.9 | 2534.5 | 3042.2 | 3383.1 | 3447.8 | 3451.5 |
| 27.5° | 1688.4 | 1618.8 | 1544.1 | 1510.5 | 1776.8 | 2584.3 | 3191.5 | 3537.4 | 3576.0 | 3569.7 |
| 30° | 1602.6 | 1550.3 | 1516.7 | 1506.8 | 1722.0 | 2621.6 | 3333.3 | 3689.2 | 3691.7 | 3670.5 |
| 32.5° | 1511.8 | 1491.9 | 1491.9 | 1524.2 | 1677.2 | 2612.9 | 3449.1 | 3837.3 | 3813.6 | 3782.5 |
| 35° | 1430.9 | 1434.6 | 1460.7 | 1536.6 | 1602.6 | 2525.8 | 3559.8 | 4022.7 | 3987.8 | 3943.0 |
| 37.5° | 1353.7 | 1382.4 | 1419.7 | 1493.1 | 1504.3 | 2396.4 | 3689.2 | 4285.2 | 4241.6 | 4185.7 |
| 40° | 1287.8 | 1331.3 | 1374.9 | 1411.0 | 1399.8 | 2212.3 | 3869.6 | 4593.8 | 4545.2 | 4480.5 |
| 42.5° | 1235.5 | 1277.8 | 1326.4 | 1330.1 | 1333.8 | 2020.7 | 4061.2 | 4972.0 | 4963.3 | 4892.4 |
| 45° | 1201.9 | 1229.3 | 1275.4 | 1269.1 | 1330.1 | 1809.1 | 4237.9 | 5549.3 | 5663.8 | 5610.3 |
| 47.5° | 1179.5 | 1200.7 | 1205.7 | 1231.8 | 1362.5 | 1620.0 | 4465.6 | 6679.1 | 6997.7 | 6936.7 |
| 50° | 1167.1 | 1188.3 | 1132.3 | 1234.3 | 1367.4 | 1498.1 | 4780.4 | 8097.6 | 8610.2 | 8529.3 |
| 52.5° | 1165.9 | 1160.9 | 1076.3 | 1260.4 | 1340.1 | 1423.4 | 4944.6 | 9132.8 | 10270.0 | 10445.5 |
| 55° | 1168.3 | 1106.1 | 1047.7 | 1267.9 | 1285.3 | 1396.0 | 4394.7 | 9630.5 | 11801.7 | 12172.5 |
| 57.5° | 1146.0 | 1046.4 | 1063.8 | 1238.0 | 1182.0 | 1469.5 | 3248.7 | 9452.6 | 12413.9 | 13103.2 |
| 60° | 1103.6 | 989.2 | 1093.7 | 1157.2 | 1076.3 | 1343.8 | 2237.2 | 8658.7 | 11779.3 | 12488.5 |
| 62.5° | 1042.7 | 949.4 | 1090.0 | 1052.6 | 1037.7 | 1099.9 | 1537.9 | 7547.6 | 10772.7 | 11465.7 |
| 65° | 974.2 | 917.0 | 1031.5 | 951.8 | 960.6 | 846.1 | 1087.5 | 6293.4 | 9570.8 | 10252.6 |
| 67.5° | 900.8 | 897.1 | 945.6 | 847.3 | 811.2 | 670.6 | 792.6 | 5044.2 | 8026.6 | 8641.3 |
| 70° | 817.5 | 844.8 | 859.8 | 752.8 | 658.2 | 526.3 | 588.5 | 3527.4 | 5921.4 | 6456.4 |
| 72.5° | 734.1 | 736.6 | 757.7 | 654.5 | 492.7 | 421.8 | 441.7 | 2136.4 | 4022.7 | 4412.1 |
| 75° | 649.5 | 625.9 | 645.8 | 532.5 | 367.1 | 345.9 | 340.9 | 1320.1 | 2778.4 | 3085.7 |
| 77.5° | 558.7 | 532.5 | 506.4 | 400.6 | 294.9 | 267.5 | 261.3 | 740.3 | 1704.6 | 1893.7 |
| 80° | 454.2 | 419.3 | 378.3 | 293.6 | 215.3 | 191.6 | 190.4 | 360.8 | 849.8 | 946.9 |
| 82.5° | 353.4 | 287.4 | 276.2 | 182.9 | 133.1 | 117.0 | 124.4 | 138.1 | 256.3 | 286.2 |
| 85° | 247.6 | 209.0 | 146.8 | 73.4 | 59.7 | 48.5 | 47.3 | 41.1 | 68.4 | 75.9 |
| 87.5° | 138.1 | 90.8 | 47.3 | 8.7 | 10.0 | 11.2 | 8.7 | 6.2 | 6.2 | 6.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

LM-79-08: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

All Brands

Data applicable to all product families using SA light engines

Report Number: SP1-2101-121-7

Luminaire Tested: IFLD-S-SA2A-735-U-T2

Test Date: 03/04/2021

Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/04/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-735-U-T2**
 Description: STREETWORKS INF FLOOD

PROGRAMMED @ 615mA.

Spectral Parameters

| | | | | | |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K): | 3388 | CRI (Ra): | 73.1 | R9: | -34.6 |
| CIE u': | 0.2371 | R1: | 68.9 | R10: | 57.8 |
| CIE v': | 0.5177 | R2: | 81.1 | R11: | 68.6 |
| Duv: | 0.0032 | R3: | 93.1 | R12: | 53.9 |
| CIE x: | 0.4153 | R4: | 71.6 | R13: | 70.9 |
| CIE y: | 0.4030 | R5: | 69.4 | R14: | 96.2 |
| CIE z: | 0.1817 | R6: | 75.0 | | |
| Peak Wavelength (nm): | 590 | R7: | 79.5 | | |
| Dominant Wavelength (nm): | 580 | R8: | 46.4 | | |
| Purity: | 45.7 | | | | |
| Rf: | 76.9 | | | | |
| Rg: | 94.4 | | | | |



Test Conditions

Stabilization Time: 81M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.0/30%
 Sphere Temperature (°C): 24.1

REPORT NUMBER: SP1-2101-121-7

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | IN0046 | 12/1/2020 | 12/1/2021 |

REPORT NUMBER: SP1-2101-121-7

CIE 1931 Chromaticity Diagram



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



CCT = 3388K
 CIE x = 0.4153
 CIE y = 0.4030
 Duv = 0.0032

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-7

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 4.9 | 620 | 136720 | 35.6 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 8.0 | 625 | 126308 | 27.9 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 12.1 | 630 | 114625 | 20.7 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 18.1 | 635 | 103216 | 15.5 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 25.4 | 640 | 92605 | 11.1 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 33.9 | 645 | 83234 | 8.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 43.0 | 650 | 73263 | 5.4 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 50.1 | 655 | 64627 | 3.7 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 57.9 | 660 | 56614 | 2.4 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 64.0 | 665 | 49537 | 1.6 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.0 | 540 | 107316 | 69.9 | 670 | 42866 | 0.9 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.0 | 545 | 113101 | 75.3 | 675 | 36708 | 0.6 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 0.0 | 550 | 120690 | 82.0 | 680 | 31814 | 0.4 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 0.1 | 555 | 128583 | 87.8 | 685 | 27485 | 0.2 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 0.3 | 560 | 137796 | 93.6 | 690 | 23698 | 0.1 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 0.8 | 565 | 146577 | 97.5 | 695 | 20309 | 0.1 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 1.6 | 570 | 154581 | 100.5 | 700 | 17890 | 0.1 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 2.4 | 575 | 162633 | 101.2 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 2.5 | 580 | 168101 | 99.9 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 2.1 | 585 | 173145 | 96.2 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 1.8 | 590 | 174675 | 90.3 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 1.7 | 595 | 173724 | 82.3 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 1.5 | 600 | 171241 | 73.8 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 1.7 | 605 | 165134 | 64.0 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 2.2 | 610 | 156652 | 53.8 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 3.3 | 615 | 147879 | 44.6 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: 12126

S/P: 1.36

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 53.2 | 620 | 136720 | 1.7 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 71.7 | 625 | 126308 | 1.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 91.4 | 630 | 114625 | 0.6 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 110.0 | 635 | 103216 | 0.4 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 125.1 | 640 | 92605 | 0.2 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 135.7 | 645 | 83234 | 0.1 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 140.8 | 650 | 73263 | 0.1 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 139.6 | 655 | 64627 | 0.1 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 135.7 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.1 | 535 | 103269 | 128.7 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.2 | 540 | 107316 | 118.6 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.6 | 545 | 113101 | 108.4 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 2.0 | 550 | 120690 | 98.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 5.9 | 555 | 128583 | 87.9 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 14.3 | 560 | 137796 | 77.0 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 30.5 | 565 | 146577 | 65.8 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 55.5 | 570 | 154581 | 54.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 77.4 | 575 | 162633 | 44.3 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 73.6 | 580 | 168101 | 34.6 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 53.7 | 585 | 173145 | 26.5 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 41.9 | 590 | 174675 | 19.5 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 34.3 | 595 | 173724 | 13.9 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 27.9 | 600 | 171241 | 9.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 27.1 | 605 | 165134 | 6.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 31.3 | 610 | 156652 | 4.2 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 40.0 | 615 | 147879 | 2.7 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: 4490.7 M/P: 0.5

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 28.8 | 620 | 136720 | 0.1 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 36.6 | 625 | 126308 | 0.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 43.9 | 630 | 114625 | 0.0 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 49.6 | 635 | 103216 | 0.0 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 53.0 | 640 | 92605 | 0.0 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 53.5 | 645 | 83234 | 0.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 51.6 | 650 | 73263 | 0.0 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 47.3 | 655 | 64627 | 0.0 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 42.5 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 37.2 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.1 | 540 | 107316 | 31.4 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.4 | 545 | 113101 | 26.3 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 1.4 | 550 | 120690 | 21.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 3.7 | 555 | 128583 | 17.3 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 8.9 | 560 | 137796 | 13.6 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 18.2 | 565 | 146577 | 10.3 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 33.2 | 570 | 154581 | 7.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 45.6 | 575 | 162633 | 5.4 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 43.8 | 580 | 168101 | 3.8 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 32.2 | 585 | 173145 | 2.6 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 25.6 | 590 | 174675 | 1.7 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 21.2 | 595 | 173724 | 1.1 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 17.4 | 600 | 171241 | 0.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 16.6 | 605 | 165134 | 0.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 18.6 | 610 | 156652 | 0.3 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 22.7 | 615 | 147879 | 0.2 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

Summary

$R_f = 76.9$
 $R_g = 94.4$
 $CIE R_a = 73.1$
 $R_g = -34.6$



Color Vector Graphics

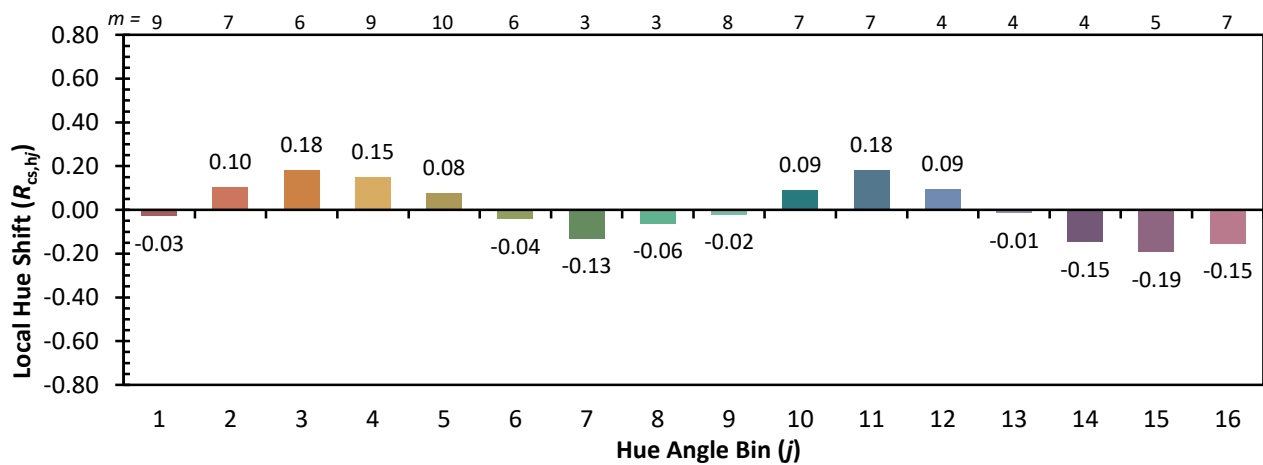
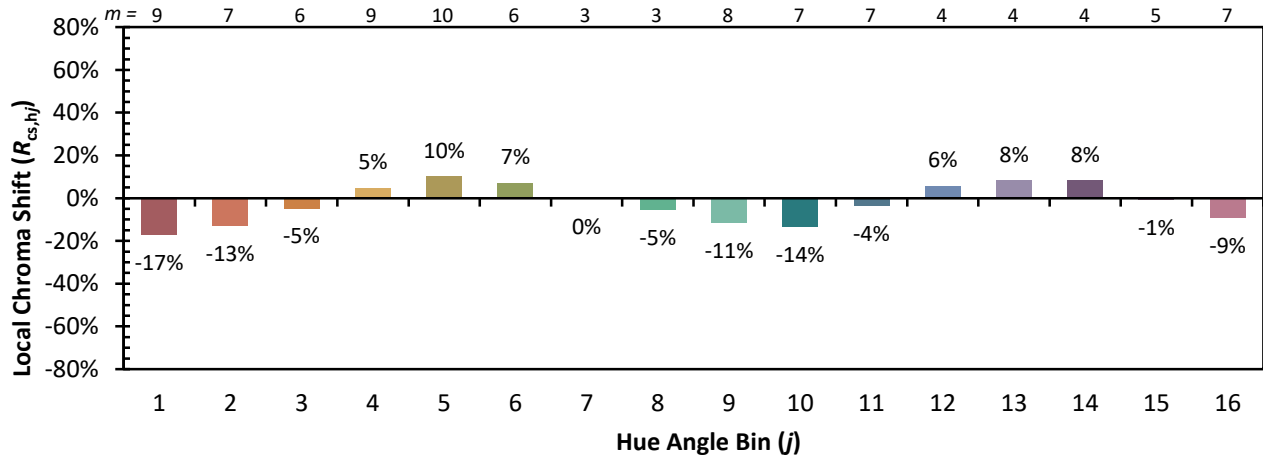


Individual Sample Fidelity Index ($R_{f,i}$)

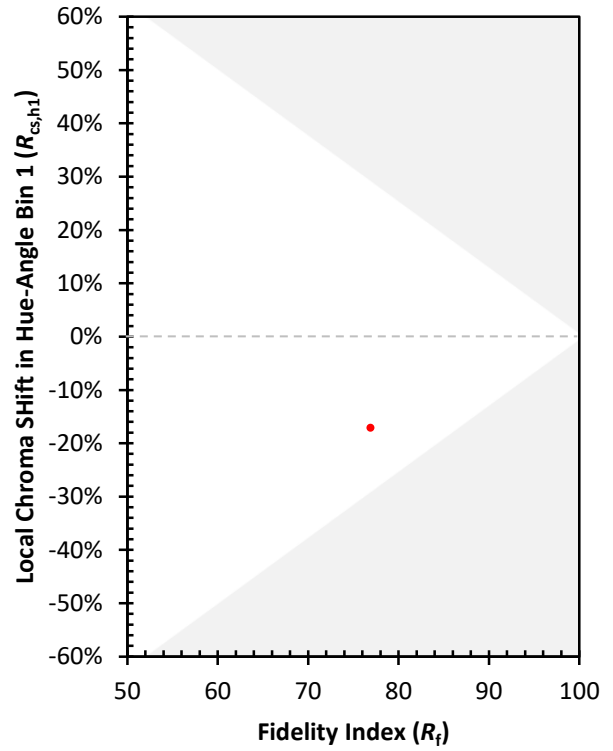
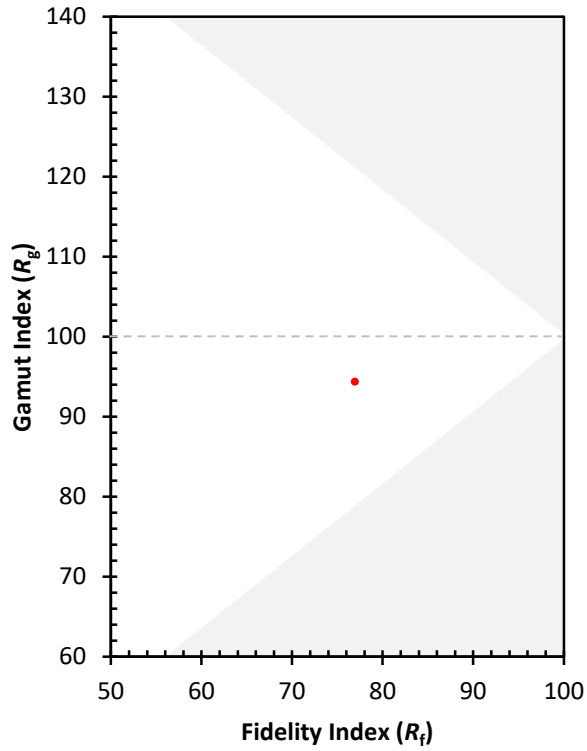
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 68 | CES51 = 90 | CES76 = 63 |
| CES02 = 62 | CES27 = 88 | CES52 = 89 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 80 | CES78 = 65 |
| CES04 = 70 | CES29 = 67 | CES54 = 84 | CES79 = 87 |
| CES05 = 48 | CES30 = 74 | CES55 = 84 | CES80 = 86 |
| CES06 = 51 | CES31 = 71 | CES56 = 75 | CES81 = 75 |
| CES07 = 40 | CES32 = 67 | CES57 = 74 | CES82 = 94 |
| CES08 = 39 | CES33 = 74 | CES58 = 76 | CES83 = 91 |
| CES09 = 29 | CES34 = 78 | CES59 = 87 | CES84 = 89 |
| CES10 = 75 | CES35 = 89 | CES60 = 93 | CES85 = 80 |
| CES11 = 58 | CES36 = 98 | CES61 = 86 | CES86 = 66 |
| CES12 = 64 | CES37 = 86 | CES62 = 89 | CES87 = 79 |
| CES13 = 43 | CES38 = 82 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 95 | CES64 = 74 | CES89 = 70 |
| CES15 = 71 | CES40 = 91 | CES65 = 68 | CES90 = 77 |
| CES16 = 47 | CES41 = 89 | CES66 = 71 | CES91 = 88 |
| CES17 = 50 | CES42 = 88 | CES67 = 69 | CES92 = 60 |
| CES18 = 56 | CES43 = 82 | CES68 = 74 | CES93 = 77 |
| CES19 = 72 | CES44 = 99 | CES69 = 82 | CES94 = 52 |
| CES20 = 65 | CES45 = 87 | CES70 = 67 | CES95 = 69 |
| CES21 = 86 | CES46 = 82 | CES71 = 66 | CES96 = 78 |
| CES22 = 79 | CES47 = 82 | CES72 = 88 | CES97 = 85 |
| CES23 = 92 | CES48 = 72 | CES73 = 59 | CES98 = 76 |
| CES24 = 91 | CES49 = 82 | CES74 = 97 | CES99 = 63 |
| CES25 = 72 | CES50 = 88 | CES75 = 66 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)