

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



Scaled data based on original data using
LM-79-08 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: P437502

Luminaire Tested: **ISS-SA1D-735-U-SLL**

Issue Date: 12/9/2020

Test Information

Test Method: LM-79-08
Report Number: P437502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-20)
Test Lab: INNOVATION CENTER
Issue Date: 12/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISS-SA1D-735-U-SLL
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4740 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

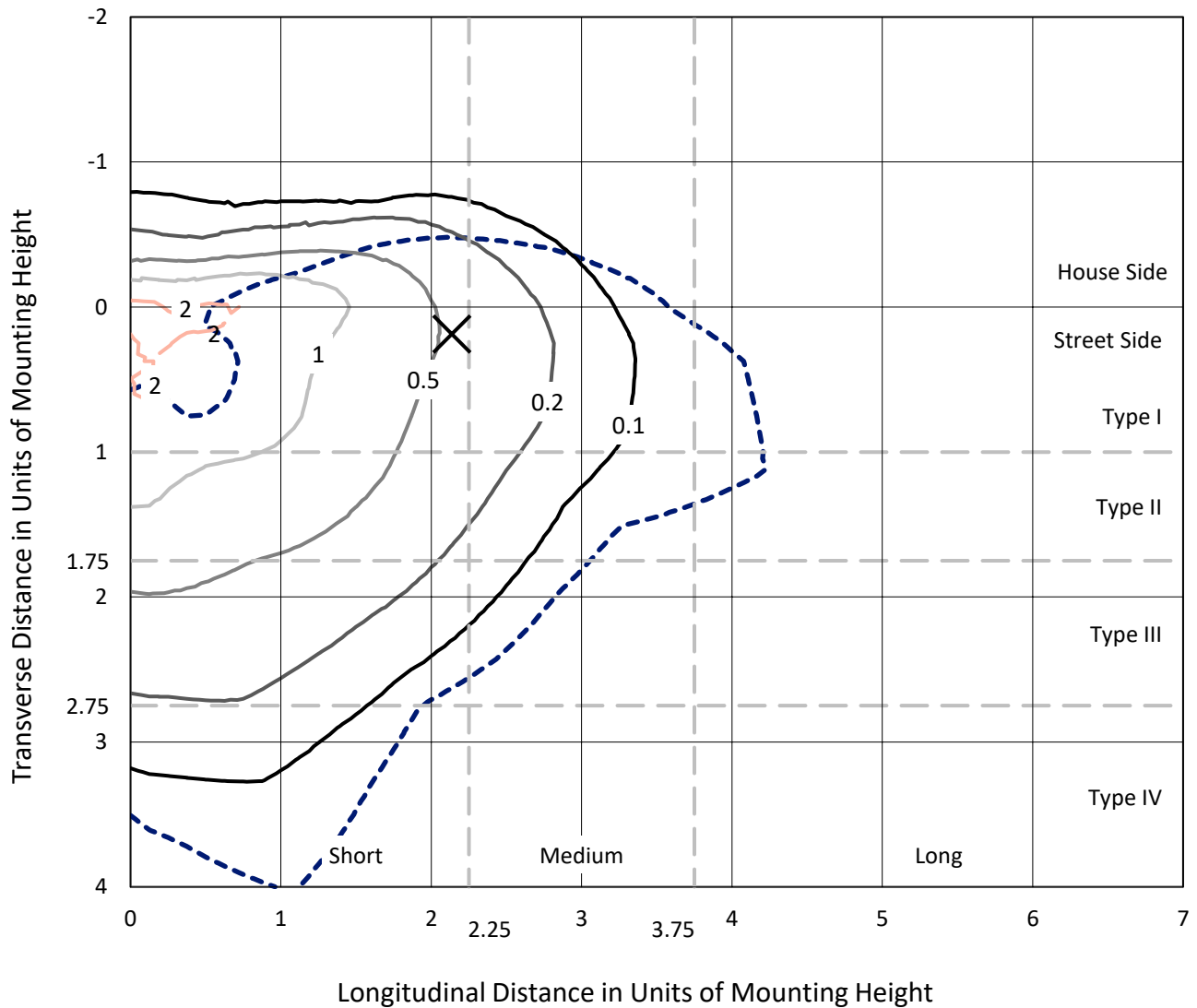
Input Watts (W): 45.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

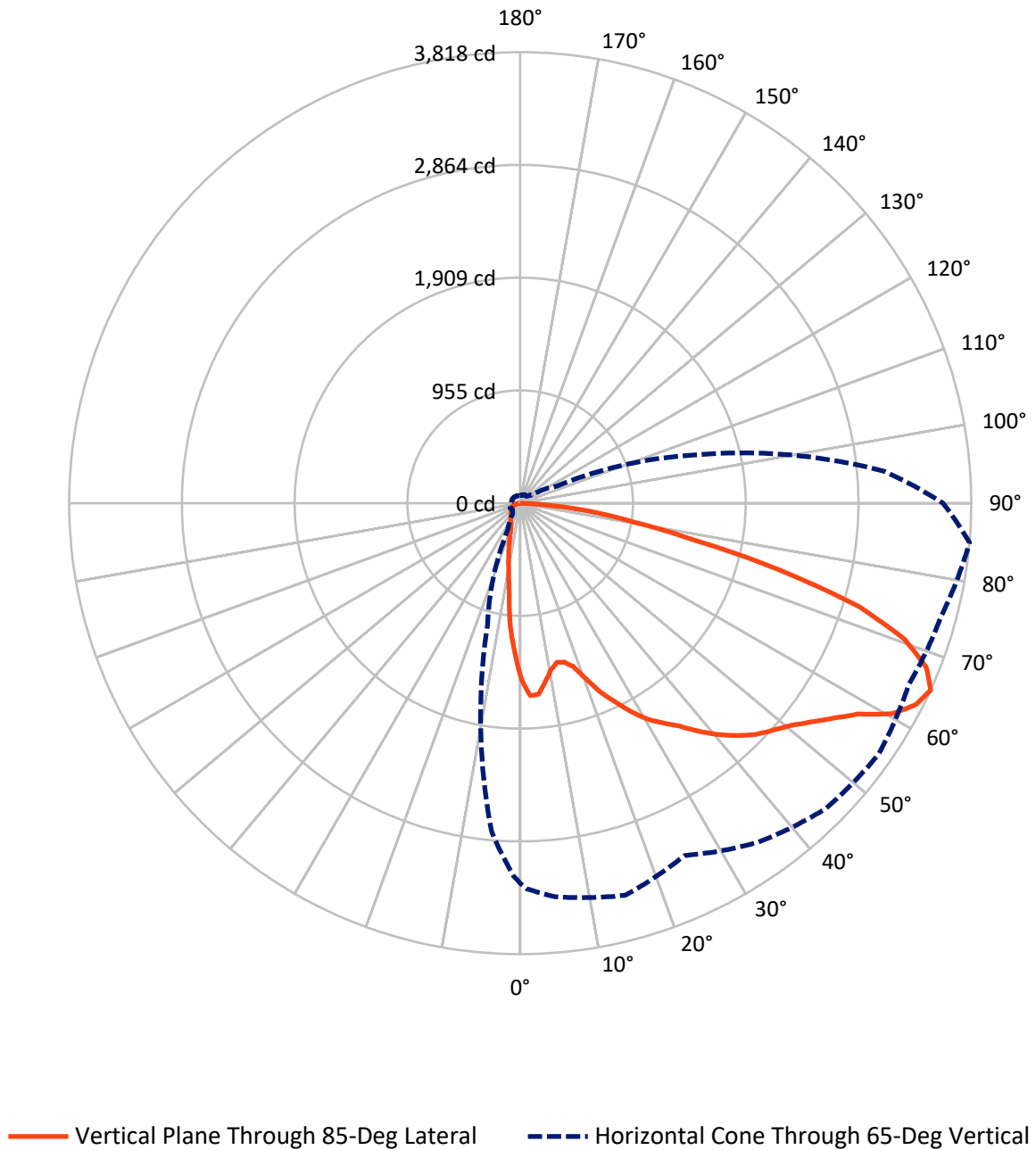
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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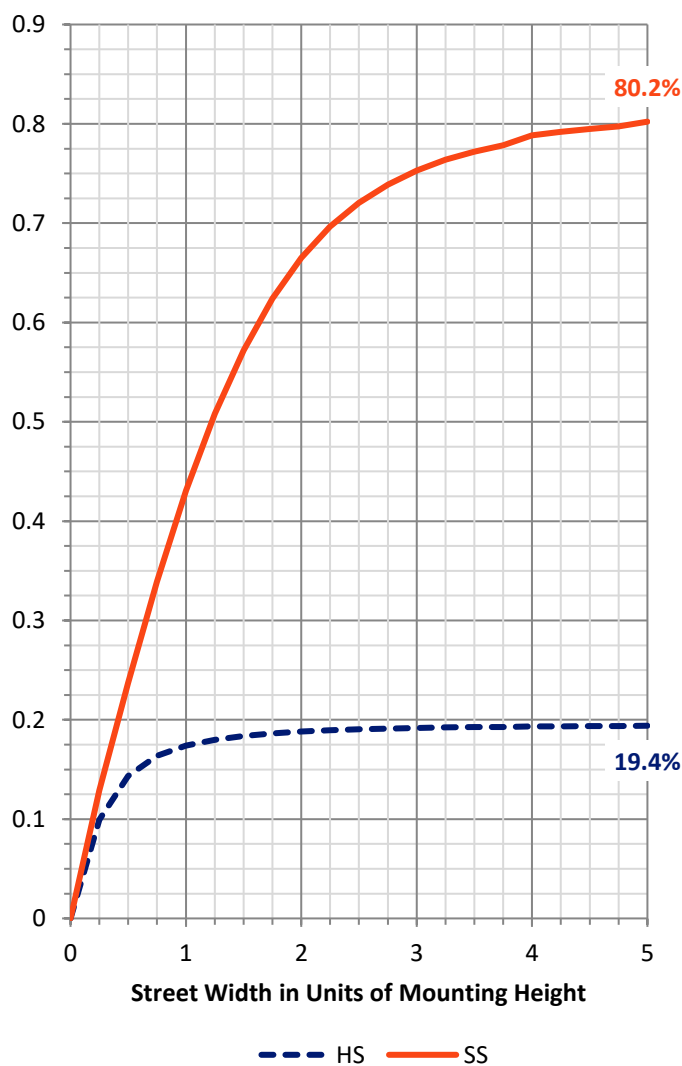
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 927.6 | 0.0 | 927.6 |
| | % Fixture | 19.6 | 0.0 | 19.6 |
| Street Side | Lumens | 3812.4 | 0.0 | 3812.4 |
| | % Fixture | 80.4 | 0.0 | 80.4 |
| Total | Lumens | 4740.0 | 0.0 | 4740.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 114.1 | 2.4 |
| 10°-20° | 237.1 | 5.0 |
| 20°-30° | 340.9 | 7.2 |
| 30°-40° | 489.5 | 10.3 |
| 40°-50° | 692.9 | 14.6 |
| 50°-60° | 963.4 | 20.3 |
| 60°-70° | 1147.3 | 24.2 |
| 70°-80° | 663.1 | 14.0 |
| 80°-90° | 91.7 | 1.9 |
| 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° | 4740.0 | 100.0 |
| 0°-180° | 4740.0 | 100.0 |

Coefficient of Utilization



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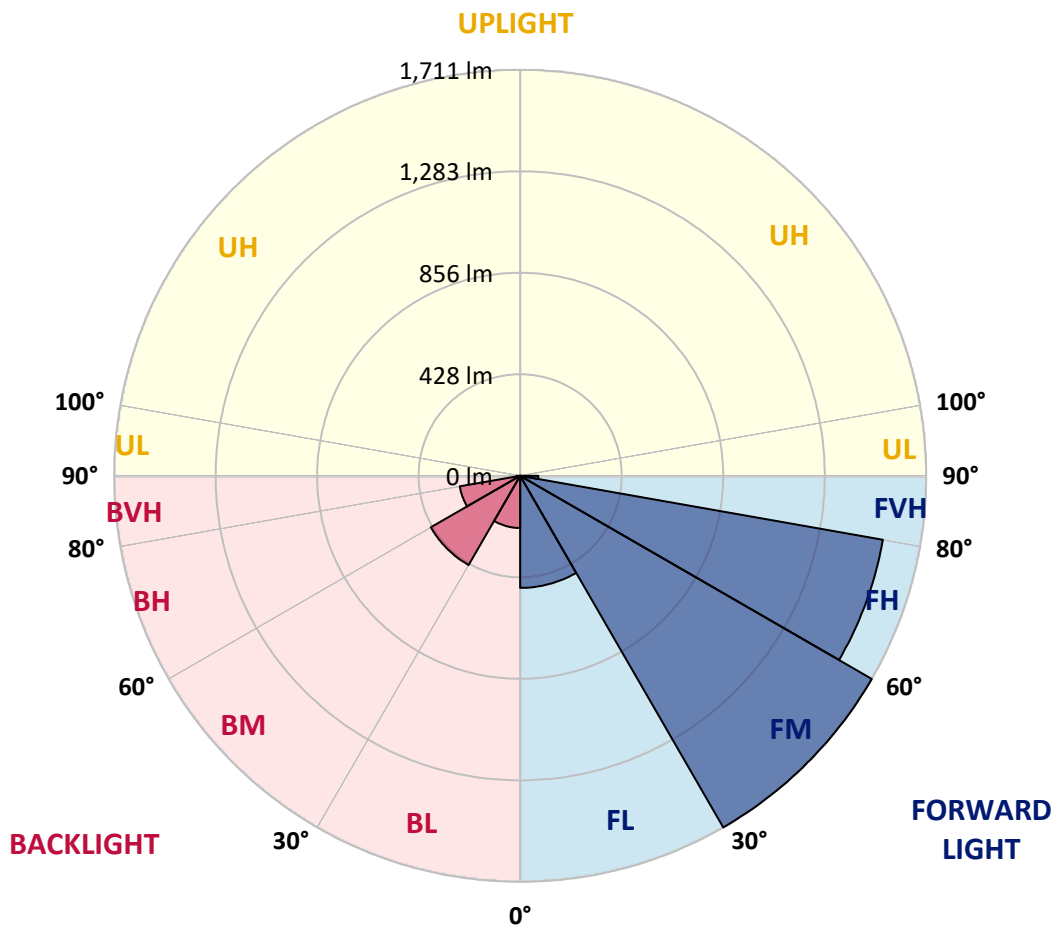
CATALOG NUMBER: ISS-SA1D-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 472.4 | 10.0 | | | |
| FM (30°-60°) | 1711.2 | 36.1 | | | |
| FH (60°-80°) | 1552.1 | 32.7 | | | G1/1800 |
| FVH (80°-90°) | 76.7 | 1.6 | | | G1/100 |
| BL (0°-30°) | 219.7 | 4.6 | B1/500 | | |
| BM (30°-60°) | 434.6 | 9.2 | B1/1000 | | |
| BH (60°-80°) | 258.3 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 15.0 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 |
| 2.5° | 1569.1 | 1574.9 | 1588.5 | 1634.9 | 1664.0 | 1687.3 | 1716.3 | 1687.3 | 1679.5 | 1640.8 | 1633.0 |
| 5° | 1512.9 | 1526.5 | 1565.2 | 1652.4 | 1724.1 | 1799.6 | 1838.3 | 1805.4 | 1760.9 | 1693.1 | 1625.3 |
| 7.5° | 1402.5 | 1419.9 | 1470.3 | 1605.9 | 1741.5 | 1844.2 | 1894.5 | 1859.7 | 1768.6 | 1648.5 | 1526.5 |
| 10° | 1290.1 | 1317.3 | 1377.3 | 1547.8 | 1691.1 | 1805.4 | 1882.9 | 1846.1 | 1735.7 | 1578.8 | 1433.5 |
| 12.5° | 1222.3 | 1241.7 | 1309.5 | 1487.7 | 1638.8 | 1753.1 | 1811.2 | 1789.9 | 1687.3 | 1538.1 | 1383.1 |
| 15° | 1206.8 | 1226.2 | 1294.0 | 1466.4 | 1600.1 | 1685.3 | 1698.9 | 1704.7 | 1665.9 | 1551.7 | 1396.7 |
| 17.5° | 1249.5 | 1265.0 | 1357.9 | 1501.3 | 1555.5 | 1573.0 | 1594.3 | 1619.5 | 1638.8 | 1578.8 | 1452.9 |
| 20° | 1352.1 | 1383.1 | 1464.5 | 1573.0 | 1543.9 | 1503.2 | 1514.8 | 1545.8 | 1619.5 | 1658.2 | 1582.6 |
| 22.5° | 1489.7 | 1524.5 | 1627.2 | 1671.8 | 1551.7 | 1464.5 | 1454.8 | 1481.9 | 1617.5 | 1745.4 | 1737.6 |
| 25° | 1642.7 | 1691.1 | 1801.5 | 1803.5 | 1584.6 | 1437.4 | 1418.0 | 1443.2 | 1613.6 | 1822.9 | 1861.6 |
| 27.5° | 1801.5 | 1846.1 | 1966.2 | 1906.1 | 1648.5 | 1439.3 | 1416.1 | 1441.2 | 1623.3 | 1906.1 | 1999.1 |
| 30° | 1919.7 | 1977.8 | 2082.4 | 2003.0 | 1689.2 | 1464.5 | 1429.6 | 1462.5 | 1644.6 | 1948.8 | 2121.2 |
| 32.5° | 2039.8 | 2076.6 | 2187.0 | 2059.2 | 1733.7 | 1503.2 | 1458.7 | 1509.0 | 1698.9 | 1989.4 | 2218.0 |
| 35° | 2146.4 | 2194.8 | 2307.1 | 2092.1 | 1799.6 | 1569.1 | 1511.0 | 1576.8 | 1776.4 | 2047.6 | 2316.8 |
| 37.5° | 2282.0 | 2328.4 | 2431.1 | 2138.6 | 1853.8 | 1652.4 | 1604.0 | 1689.2 | 1871.3 | 2099.9 | 2448.5 |
| 40° | 2402.1 | 2475.7 | 2553.2 | 2196.7 | 1915.8 | 1774.4 | 1743.4 | 1859.7 | 1999.1 | 2171.5 | 2576.4 |
| 42.5° | 2520.2 | 2582.2 | 2667.4 | 2262.6 | 1995.3 | 1923.6 | 1937.1 | 2059.2 | 2154.1 | 2280.0 | 2690.7 |
| 45° | 2605.5 | 2677.1 | 2752.7 | 2314.9 | 2097.9 | 2084.4 | 2175.4 | 2278.1 | 2312.9 | 2394.3 | 2793.4 |
| 47.5° | 2688.8 | 2744.9 | 2812.7 | 2367.2 | 2221.9 | 2264.5 | 2423.4 | 2502.8 | 2467.9 | 2497.0 | 2874.7 |
| 50° | 2799.2 | 2859.2 | 2878.6 | 2450.5 | 2378.8 | 2493.1 | 2665.5 | 2717.8 | 2617.1 | 2578.3 | 2960.0 |
| 52.5° | 2958.0 | 2987.1 | 2977.4 | 2549.3 | 2528.0 | 2731.4 | 2872.8 | 2952.2 | 2772.1 | 2655.8 | 3078.1 |
| 55° | 3171.1 | 3221.5 | 3159.5 | 2710.1 | 2681.0 | 2960.0 | 3124.6 | 3163.4 | 2944.5 | 2752.7 | 3213.7 |
| 57.5° | 3374.5 | 3419.1 | 3399.7 | 2905.7 | 2880.5 | 3157.5 | 3316.4 | 3353.2 | 3113.0 | 2932.8 | 3368.7 |
| 60° | 3450.1 | 3463.6 | 3533.3 | 3113.0 | 3080.1 | 3326.1 | 3506.2 | 3512.0 | 3314.5 | 3149.8 | 3620.5 |
| 62.5° | 3368.7 | 3422.9 | 3490.7 | 3306.7 | 3200.2 | 3471.4 | 3632.1 | 3668.9 | 3506.2 | 3413.2 | 3758.1 |
| 65° | 3217.6 | 3266.0 | 3345.4 | 3436.5 | 3291.2 | 3506.2 | 3657.3 | 3703.8 | 3630.2 | 3690.3 | 3818.1 |
| 67.5° | 3043.3 | 3103.3 | 3157.5 | 3457.8 | 3279.6 | 3306.7 | 3432.6 | 3461.7 | 3564.3 | 3812.3 | 3707.7 |
| 70° | 2818.5 | 2886.3 | 2932.8 | 3374.5 | 3002.6 | 2733.3 | 2822.4 | 2901.8 | 3058.7 | 3595.3 | 3450.1 |
| 72.5° | 2334.3 | 2442.7 | 2559.0 | 2996.8 | 2429.2 | 2123.1 | 2192.8 | 2245.1 | 2357.5 | 3070.4 | 3004.5 |
| 75° | 1642.7 | 1722.1 | 1865.5 | 2413.7 | 1865.5 | 1503.2 | 1611.7 | 1611.7 | 1753.1 | 2522.2 | 2282.0 |
| 77.5° | 982.1 | 984.1 | 1123.5 | 1588.5 | 1135.2 | 1013.1 | 1075.1 | 1104.2 | 1146.8 | 1786.0 | 1514.8 |
| 80° | 556.0 | 563.7 | 610.2 | 1026.7 | 672.2 | 691.6 | 765.2 | 842.7 | 778.7 | 1108.0 | 974.4 |
| 82.5° | 259.6 | 228.6 | 242.1 | 484.3 | 381.6 | 451.4 | 463.0 | 497.8 | 501.7 | 709.0 | 639.3 |
| 85° | 21.3 | 17.4 | 23.2 | 87.2 | 67.8 | 62.0 | 44.6 | 85.2 | 133.7 | 309.9 | 275.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 |
| 2.5° | 1607.8 | 1588.5 | 1545.8 | 1512.9 | 1481.9 | 1423.8 | 1400.6 | 1367.6 | 1350.2 | 1319.2 | 1326.9 |
| 5° | 1574.9 | 1530.3 | 1433.5 | 1367.6 | 1282.4 | 1212.7 | 1170.0 | 1131.3 | 1115.8 | 1082.9 | 1071.2 |
| 7.5° | 1454.8 | 1416.1 | 1294.0 | 1185.5 | 1080.9 | 997.6 | 918.2 | 860.1 | 833.0 | 803.9 | 802.0 |
| 10° | 1352.1 | 1288.2 | 1148.7 | 1020.9 | 900.8 | 823.3 | 765.2 | 716.7 | 674.1 | 637.3 | 616.0 |
| 12.5° | 1294.0 | 1214.6 | 1059.6 | 904.6 | 821.3 | 767.1 | 703.2 | 643.1 | 594.7 | 552.1 | 526.9 |
| 15° | 1294.0 | 1201.0 | 1017.0 | 865.9 | 782.6 | 701.2 | 627.6 | 565.6 | 501.7 | 451.4 | 435.9 |
| 17.5° | 1354.1 | 1239.8 | 1026.7 | 840.7 | 722.6 | 631.5 | 538.5 | 457.2 | 395.2 | 350.6 | 335.1 |
| 20° | 1472.2 | 1334.7 | 1049.9 | 811.7 | 664.4 | 538.5 | 426.2 | 339.0 | 282.8 | 261.5 | 257.6 |
| 22.5° | 1609.8 | 1449.0 | 1084.8 | 784.5 | 604.4 | 439.7 | 319.6 | 257.6 | 232.5 | 224.7 | 224.7 |
| 25° | 1760.9 | 1576.8 | 1129.4 | 755.5 | 542.4 | 348.7 | 244.1 | 215.0 | 205.3 | 201.5 | 201.5 |
| 27.5° | 1902.3 | 1716.3 | 1208.8 | 743.9 | 484.3 | 282.8 | 213.1 | 191.8 | 186.0 | 182.1 | 184.0 |
| 30° | 2039.8 | 1840.3 | 1290.1 | 720.6 | 420.4 | 246.0 | 191.8 | 176.3 | 168.5 | 166.6 | 168.5 |
| 32.5° | 2158.0 | 1946.8 | 1346.3 | 685.7 | 375.8 | 220.8 | 178.2 | 162.7 | 155.0 | 153.0 | 155.0 |
| 35° | 2293.6 | 2051.4 | 1402.5 | 660.6 | 352.6 | 205.3 | 168.5 | 153.0 | 145.3 | 141.4 | 141.4 |
| 37.5° | 2452.4 | 2177.3 | 1445.1 | 623.8 | 337.1 | 189.8 | 160.8 | 145.3 | 135.6 | 131.7 | 131.7 |
| 40° | 2665.5 | 2330.4 | 1480.0 | 594.7 | 319.6 | 182.1 | 151.1 | 137.5 | 127.9 | 124.0 | 122.0 |
| 42.5° | 2812.7 | 2464.0 | 1509.0 | 575.3 | 302.2 | 178.2 | 145.3 | 133.7 | 122.0 | 116.2 | 114.3 |
| 45° | 2913.5 | 2582.2 | 1528.4 | 565.6 | 286.7 | 168.5 | 141.4 | 129.8 | 116.2 | 108.5 | 108.5 |
| 47.5° | 3010.3 | 2679.1 | 1530.3 | 552.1 | 275.1 | 156.9 | 147.2 | 124.0 | 110.4 | 102.7 | 102.7 |
| 50° | 3118.8 | 2801.1 | 1567.1 | 538.5 | 261.5 | 143.3 | 145.3 | 122.0 | 106.5 | 98.8 | 96.9 |
| 52.5° | 3227.3 | 2967.7 | 1638.8 | 519.2 | 242.1 | 131.7 | 137.5 | 124.0 | 102.7 | 94.9 | 93.0 |
| 55° | 3421.0 | 3175.0 | 1727.9 | 490.1 | 217.0 | 120.1 | 127.9 | 122.0 | 96.9 | 89.1 | 87.2 |
| 57.5° | 3546.9 | 3368.7 | 1797.7 | 459.1 | 180.2 | 112.4 | 112.4 | 118.2 | 91.0 | 83.3 | 81.4 |
| 60° | 3618.6 | 3405.5 | 1811.2 | 422.3 | 147.2 | 100.7 | 96.9 | 120.1 | 85.2 | 75.5 | 75.5 |
| 62.5° | 3616.6 | 3279.6 | 1743.4 | 387.4 | 127.9 | 93.0 | 87.2 | 104.6 | 79.4 | 71.7 | 69.7 |
| 65° | 3579.8 | 3093.6 | 1590.4 | 342.9 | 120.1 | 85.2 | 77.5 | 79.4 | 73.6 | 65.9 | 63.9 |
| 67.5° | 3421.0 | 2772.1 | 1346.3 | 298.3 | 116.2 | 77.5 | 71.7 | 67.8 | 63.9 | 58.1 | 56.2 |
| 70° | 3035.5 | 2409.8 | 1049.9 | 277.0 | 114.3 | 67.8 | 62.0 | 58.1 | 54.2 | 50.4 | 50.4 |
| 72.5° | 2467.9 | 1879.0 | 802.0 | 265.4 | 116.2 | 62.0 | 52.3 | 50.4 | 46.5 | 44.6 | 42.6 |
| 75° | 1708.6 | 1388.9 | 581.1 | 234.4 | 112.4 | 52.3 | 44.6 | 40.7 | 38.7 | 34.9 | 34.9 |
| 77.5° | 1098.4 | 908.5 | 385.5 | 187.9 | 91.0 | 42.6 | 32.9 | 31.0 | 29.1 | 27.1 | 27.1 |
| 80° | 722.6 | 617.9 | 224.7 | 133.7 | 56.2 | 29.1 | 23.2 | 23.2 | 21.3 | 17.4 | 17.4 |
| 82.5° | 459.1 | 466.9 | 116.2 | 62.0 | 32.9 | 17.4 | 13.6 | 11.6 | 11.6 | 7.7 | 7.7 |
| 85° | 100.7 | 176.3 | 52.3 | 25.2 | 11.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 |
| 2.5° | 1299.8 | 1284.3 | 1278.5 | 1278.5 | 1253.3 | 1255.3 | 1255.3 | 1270.8 | 1268.8 | 1282.4 | 1276.6 |
| 5° | 1057.7 | 1042.2 | 1042.2 | 1046.1 | 1049.9 | 1032.5 | 1038.3 | 1022.8 | 1051.9 | 1030.6 | 1015.1 |
| 7.5° | 780.7 | 778.7 | 792.3 | 823.3 | 817.5 | 811.7 | 800.0 | 771.0 | 755.5 | 771.0 | 763.2 |
| 10° | 598.6 | 604.4 | 600.5 | 614.1 | 616.0 | 614.1 | 594.7 | 588.9 | 581.1 | 588.9 | 598.6 |
| 12.5° | 501.7 | 478.5 | 453.3 | 451.4 | 466.9 | 466.9 | 464.9 | 466.9 | 472.7 | 472.7 | 480.4 |
| 15° | 418.4 | 402.9 | 370.0 | 354.5 | 366.1 | 358.4 | 360.3 | 368.1 | 373.9 | 381.6 | 377.7 |
| 17.5° | 333.2 | 319.6 | 304.1 | 294.4 | 300.3 | 294.4 | 292.5 | 290.6 | 290.6 | 288.6 | 296.4 |
| 20° | 253.8 | 251.8 | 257.6 | 253.8 | 255.7 | 251.8 | 246.0 | 238.3 | 232.5 | 236.3 | 240.2 |
| 22.5° | 220.8 | 222.8 | 226.6 | 230.5 | 230.5 | 226.6 | 217.0 | 209.2 | 207.3 | 207.3 | 209.2 |
| 25° | 203.4 | 203.4 | 209.2 | 211.1 | 213.1 | 207.3 | 195.7 | 189.8 | 189.8 | 189.8 | 189.8 |
| 27.5° | 184.0 | 187.9 | 191.8 | 195.7 | 197.6 | 191.8 | 182.1 | 176.3 | 176.3 | 174.3 | 172.4 |
| 30° | 170.5 | 172.4 | 176.3 | 178.2 | 180.2 | 174.3 | 168.5 | 162.7 | 162.7 | 162.7 | 160.8 |
| 32.5° | 155.0 | 160.8 | 162.7 | 164.7 | 166.6 | 162.7 | 156.9 | 153.0 | 151.1 | 149.2 | 145.3 |
| 35° | 143.3 | 145.3 | 151.1 | 151.1 | 153.0 | 151.1 | 147.2 | 143.3 | 137.5 | 135.6 | 135.6 |
| 37.5° | 131.7 | 131.7 | 135.6 | 139.5 | 143.3 | 141.4 | 135.6 | 129.8 | 127.9 | 127.9 | 127.9 |
| 40° | 124.0 | 122.0 | 124.0 | 129.8 | 133.7 | 133.7 | 125.9 | 122.0 | 122.0 | 120.1 | 120.1 |
| 42.5° | 114.3 | 114.3 | 114.3 | 120.1 | 127.9 | 124.0 | 116.2 | 116.2 | 116.2 | 114.3 | 114.3 |
| 45° | 108.5 | 106.5 | 108.5 | 108.5 | 118.2 | 112.4 | 110.4 | 108.5 | 110.4 | 108.5 | 110.4 |
| 47.5° | 100.7 | 100.7 | 100.7 | 102.7 | 108.5 | 104.6 | 102.7 | 102.7 | 104.6 | 104.6 | 104.6 |
| 50° | 94.9 | 94.9 | 94.9 | 96.9 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 100.7 | 100.7 |
| 52.5° | 91.0 | 89.1 | 91.0 | 91.0 | 93.0 | 94.9 | 93.0 | 94.9 | 94.9 | 94.9 | 96.9 |
| 55° | 87.2 | 85.2 | 87.2 | 87.2 | 91.0 | 89.1 | 89.1 | 91.0 | 91.0 | 93.0 | 94.9 |
| 57.5° | 81.4 | 79.4 | 83.3 | 83.3 | 87.2 | 87.2 | 85.2 | 87.2 | 87.2 | 89.1 | 89.1 |
| 60° | 75.5 | 75.5 | 77.5 | 77.5 | 81.4 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 62.5° | 69.7 | 69.7 | 71.7 | 73.6 | 77.5 | 77.5 | 79.4 | 79.4 | 79.4 | 79.4 | 77.5 |
| 65° | 63.9 | 65.9 | 67.8 | 67.8 | 71.7 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| 67.5° | 56.2 | 60.1 | 62.0 | 63.9 | 67.8 | 67.8 | 69.7 | 69.7 | 67.8 | 67.8 | 67.8 |
| 70° | 50.4 | 52.3 | 54.2 | 56.2 | 62.0 | 62.0 | 63.9 | 63.9 | 62.0 | 62.0 | 63.9 |
| 72.5° | 42.6 | 44.6 | 46.5 | 50.4 | 56.2 | 56.2 | 58.1 | 58.1 | 56.2 | 56.2 | 56.2 |
| 75° | 36.8 | 36.8 | 38.7 | 42.6 | 50.4 | 50.4 | 50.4 | 52.3 | 50.4 | 50.4 | 48.4 |
| 77.5° | 27.1 | 29.1 | 31.0 | 36.8 | 42.6 | 44.6 | 44.6 | 44.6 | 42.6 | 42.6 | 40.7 |
| 80° | 17.4 | 19.4 | 23.2 | 27.1 | 32.9 | 34.9 | 36.8 | 36.8 | 34.9 | 34.9 | 32.9 |
| 82.5° | 7.7 | 11.6 | 13.6 | 17.4 | 21.3 | 27.1 | 27.1 | 29.1 | 27.1 | 25.2 | 25.2 |
| 85° | 0.0 | 0.0 | 1.9 | 5.8 | 9.7 | 15.5 | 17.4 | 19.4 | 17.4 | 15.5 | 15.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 3.9 | 3.9 | 1.9 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P437502
 CATALOG NUMBER: ISS-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 | 1497.4 |
| 2.5° | 1297.9 | 1319.2 | 1352.1 | 1371.5 | 1416.1 | 1456.7 | 1499.3 | 1555.5 | 1567.1 | 1569.1 |
| 5° | 1030.6 | 1055.7 | 1117.7 | 1142.9 | 1224.3 | 1290.1 | 1387.0 | 1481.9 | 1507.1 | 1512.9 |
| 7.5° | 786.5 | 805.9 | 873.7 | 922.1 | 1011.2 | 1104.2 | 1228.1 | 1340.5 | 1396.7 | 1402.5 |
| 10° | 614.1 | 666.4 | 718.7 | 790.4 | 867.8 | 958.9 | 1088.7 | 1232.0 | 1294.0 | 1290.1 |
| 12.5° | 517.2 | 571.5 | 635.4 | 707.1 | 786.5 | 867.8 | 986.0 | 1144.9 | 1206.8 | 1222.3 |
| 15° | 414.5 | 480.4 | 550.1 | 623.8 | 716.7 | 796.2 | 933.7 | 1110.0 | 1185.5 | 1206.8 |
| 17.5° | 321.6 | 373.9 | 441.7 | 536.6 | 627.6 | 740.0 | 914.3 | 1142.9 | 1228.1 | 1249.5 |
| 20° | 253.8 | 292.5 | 340.9 | 432.0 | 548.2 | 687.7 | 904.6 | 1204.9 | 1321.1 | 1352.1 |
| 22.5° | 217.0 | 232.5 | 267.3 | 346.7 | 468.8 | 631.5 | 898.8 | 1292.1 | 1437.4 | 1489.7 |
| 25° | 193.7 | 203.4 | 222.8 | 273.1 | 389.4 | 583.1 | 908.5 | 1400.6 | 1600.1 | 1642.7 |
| 27.5° | 176.3 | 184.0 | 193.7 | 230.5 | 337.1 | 540.5 | 926.0 | 1522.6 | 1739.6 | 1801.5 |
| 30° | 160.8 | 166.6 | 180.2 | 205.3 | 294.4 | 497.8 | 931.8 | 1642.7 | 1863.5 | 1919.7 |
| 32.5° | 149.2 | 156.9 | 168.5 | 189.8 | 269.3 | 468.8 | 916.3 | 1733.7 | 1977.8 | 2039.8 |
| 35° | 137.5 | 147.2 | 158.8 | 176.3 | 248.0 | 443.6 | 881.4 | 1809.3 | 2086.3 | 2146.4 |
| 37.5° | 131.7 | 137.5 | 149.2 | 162.7 | 232.5 | 418.4 | 850.4 | 1884.8 | 2198.7 | 2282.0 |
| 40° | 124.0 | 129.8 | 141.4 | 153.0 | 213.1 | 391.3 | 829.1 | 1981.7 | 2326.5 | 2402.1 |
| 42.5° | 118.2 | 125.9 | 135.6 | 149.2 | 197.6 | 362.2 | 807.8 | 2059.2 | 2440.8 | 2520.2 |
| 45° | 114.3 | 122.0 | 131.7 | 149.2 | 184.0 | 339.0 | 784.5 | 2127.0 | 2528.0 | 2605.5 |
| 47.5° | 108.5 | 118.2 | 131.7 | 143.3 | 178.2 | 323.5 | 784.5 | 2208.3 | 2607.4 | 2688.8 |
| 50° | 106.5 | 116.2 | 137.5 | 139.5 | 174.3 | 317.7 | 817.5 | 2301.3 | 2721.7 | 2799.2 |
| 52.5° | 104.6 | 114.3 | 137.5 | 131.7 | 170.5 | 321.6 | 867.8 | 2469.9 | 2868.9 | 2958.0 |
| 55° | 98.8 | 112.4 | 131.7 | 122.0 | 160.8 | 325.4 | 924.0 | 2690.7 | 3087.8 | 3171.1 |
| 57.5° | 94.9 | 110.4 | 124.0 | 112.4 | 147.2 | 319.6 | 999.6 | 2888.3 | 3316.4 | 3374.5 |
| 60° | 89.1 | 108.5 | 108.5 | 104.6 | 131.7 | 302.2 | 1084.8 | 3014.2 | 3403.6 | 3450.1 |
| 62.5° | 85.2 | 106.5 | 96.9 | 96.9 | 120.1 | 275.1 | 1113.9 | 2983.2 | 3318.3 | 3368.7 |
| 65° | 79.4 | 93.0 | 87.2 | 89.1 | 110.4 | 244.1 | 1063.5 | 2789.5 | 3157.5 | 3217.6 |
| 67.5° | 73.6 | 79.4 | 77.5 | 81.4 | 106.5 | 213.1 | 927.9 | 2559.0 | 2950.3 | 3043.3 |
| 70° | 65.9 | 69.7 | 69.7 | 73.6 | 100.7 | 191.8 | 774.9 | 2262.6 | 2681.0 | 2818.5 |
| 72.5° | 60.1 | 62.0 | 62.0 | 67.8 | 94.9 | 180.2 | 612.1 | 1919.7 | 2249.0 | 2334.3 |
| 75° | 50.4 | 54.2 | 54.2 | 58.1 | 85.2 | 153.0 | 418.4 | 1406.4 | 1573.0 | 1642.7 |
| 77.5° | 44.6 | 44.6 | 46.5 | 48.4 | 67.8 | 102.7 | 246.0 | 865.9 | 945.3 | 982.1 |
| 80° | 34.9 | 36.8 | 34.9 | 34.9 | 42.6 | 67.8 | 133.7 | 507.5 | 575.3 | 556.0 |
| 82.5° | 25.2 | 25.2 | 21.3 | 21.3 | 25.2 | 36.8 | 58.1 | 263.5 | 269.3 | 259.6 |
| 85° | 13.6 | 9.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 56.2 | 27.1 | 21.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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



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

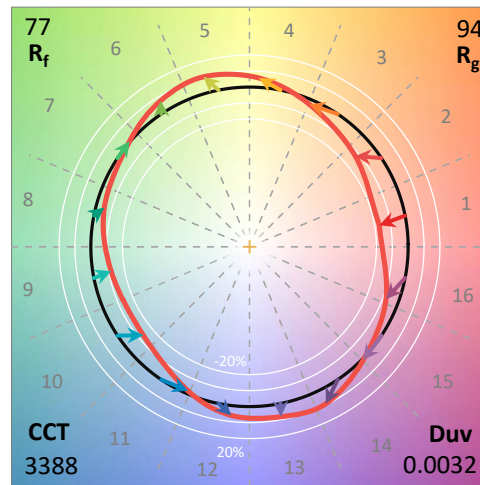
CCT (K): 3388
 CIE u': 0.2371
 CIE v': 0.5177
 Duv: 0.0032
 CIE x: 0.4153
 CIE y: 0.4030
 CIE z: 0.1817
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 45.7

 Rf: 76.9
 Rg: 94.4

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 73.1 | | |
| R1: | 68.9 | R9: | -34.6 |
| R2: | 81.1 | R10: | 57.8 |
| R3: | 93.1 | R11: | 68.6 |
| R4: | 71.6 | R12: | 53.9 |
| R5: | 69.4 | R13: | 70.9 |
| R6: | 75.0 | R14: | 96.2 |
| R7: | 79.5 | | |
| R8: | 46.4 | | |

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



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

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

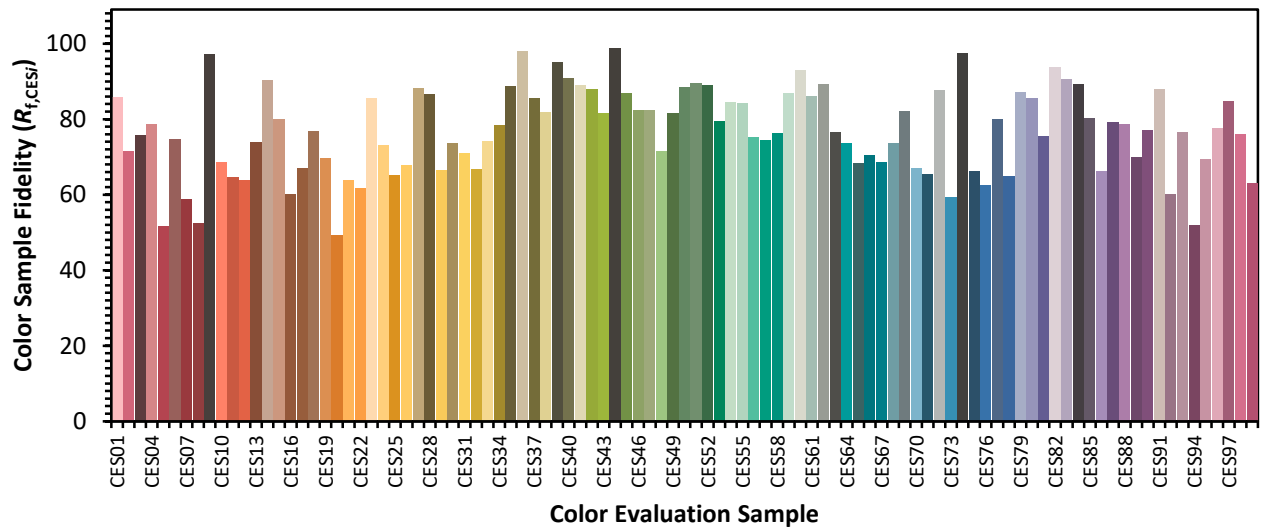


Color Vector Graphics



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

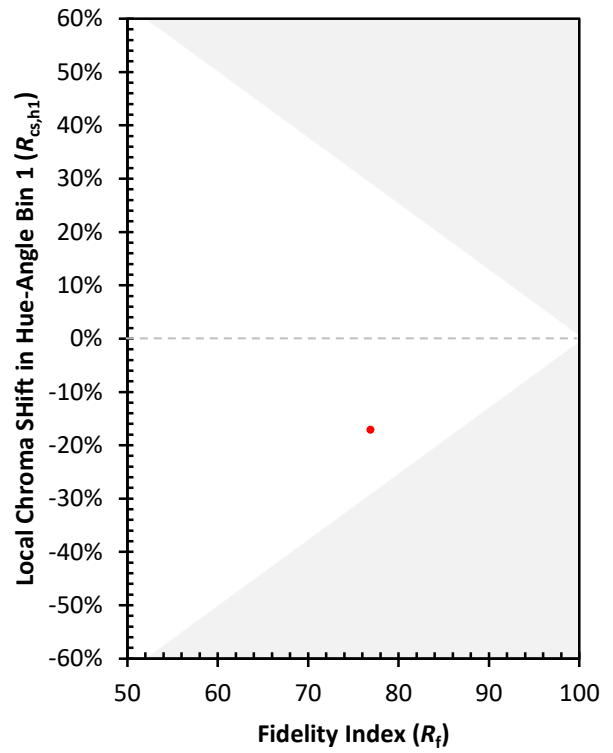
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 68 | CES51 = 90 | CES76 = 63 |
| CES02 = 62 | CES27 = 88 | CES52 = 89 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 80 | CES78 = 65 |
| CES04 = 70 | CES29 = 67 | CES54 = 84 | CES79 = 87 |
| CES05 = 48 | CES30 = 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)