

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: P437388

Luminaire Tested: **ISS-SA1C-760-U-SLL**

Issue Date: 12/9/2020

Test Information

Test Method: LM-79-08
Report Number: P437388
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-SA1C-760-U-SLL
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4033 lumens
Efficiency: N/A
Efficacy: 117.9 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

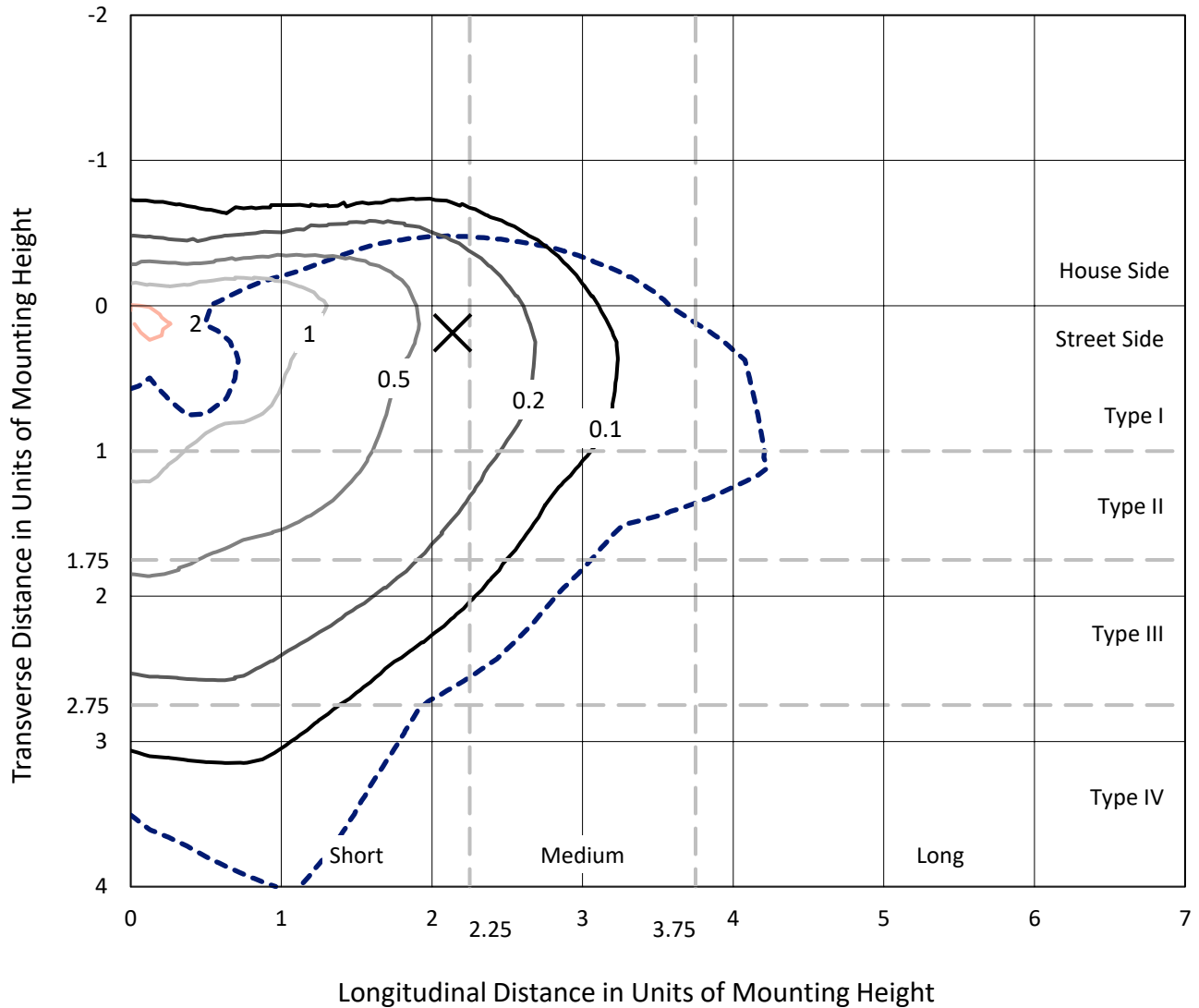
Input Watts (W): 34.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

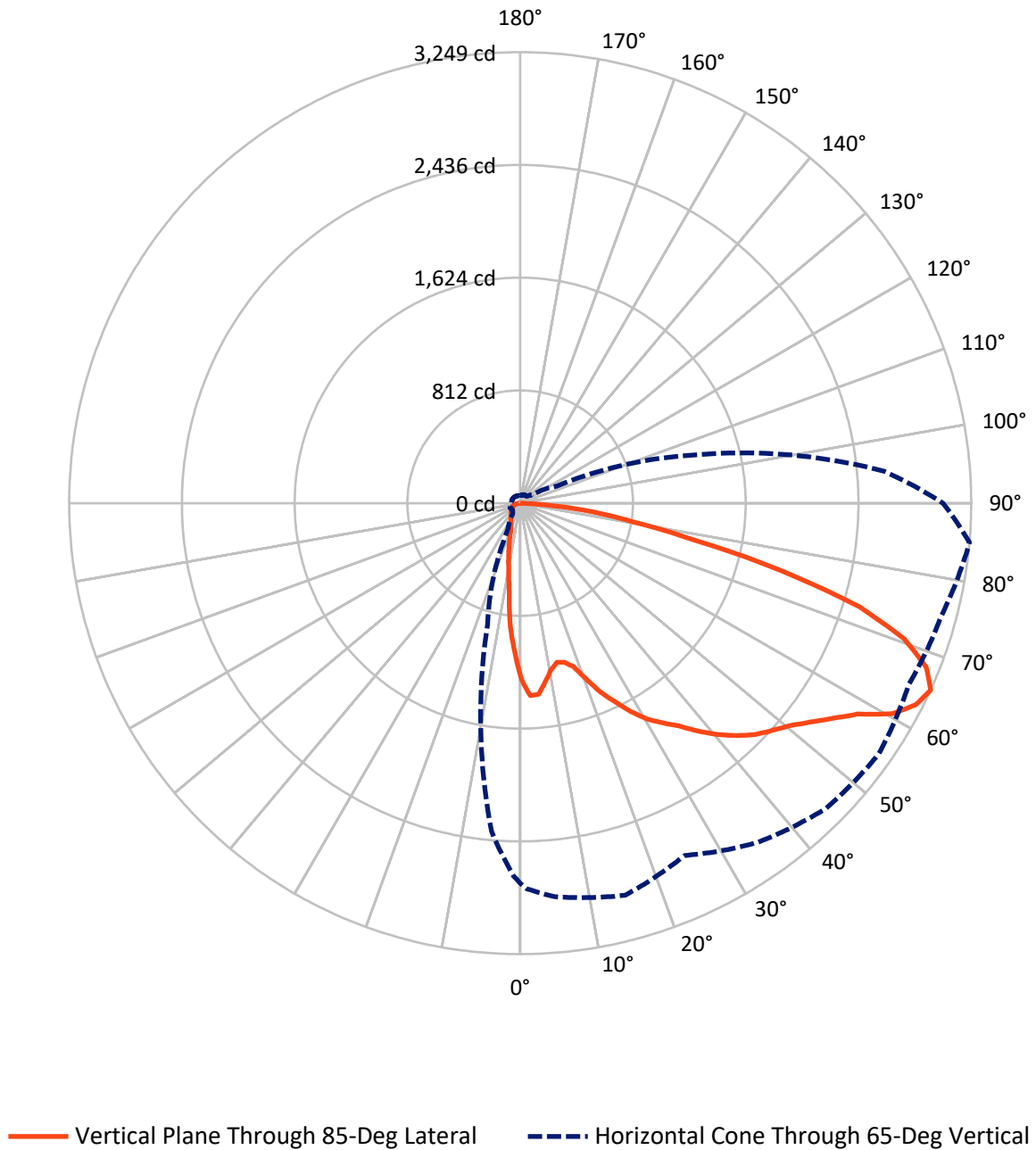
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P437388
CATALOG NUMBER: ISS-SA1C-760-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

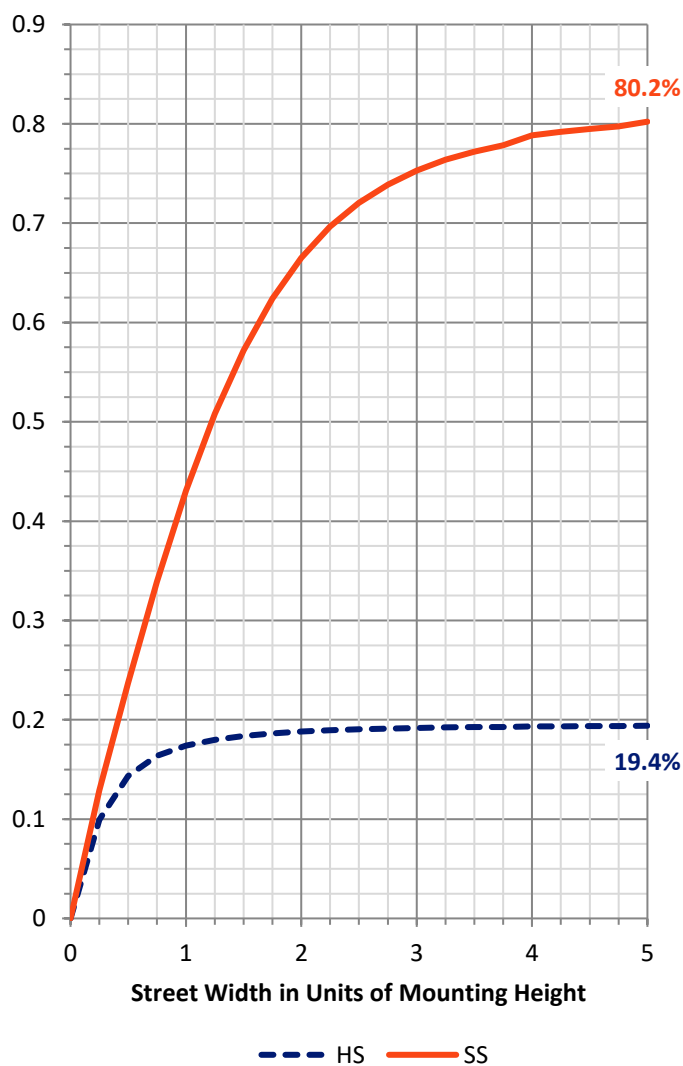
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 789.3 | 0.0 | 789.3 |
| | % Fixture | 19.6 | 0.0 | 19.6 |
| Street Side | Lumens | 3243.7 | 0.0 | 3243.7 |
| | % Fixture | 80.4 | 0.0 | 80.4 |
| Total | Lumens | 4033.0 | 0.0 | 4033.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.0 | 2.4 |
| 10°-20° | 201.7 | 5.0 |
| 20°-30° | 290.1 | 7.2 |
| 30°-40° | 416.5 | 10.3 |
| 40°-50° | 589.5 | 14.6 |
| 50°-60° | 819.7 | 20.3 |
| 60°-70° | 976.1 | 24.2 |
| 70°-80° | 564.2 | 14.0 |
| 80°-90° | 78.0 | 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° | 4033.0 | 100.0 |
| 0°-180° | 4033.0 | 100.0 |

Coefficient of Utilization

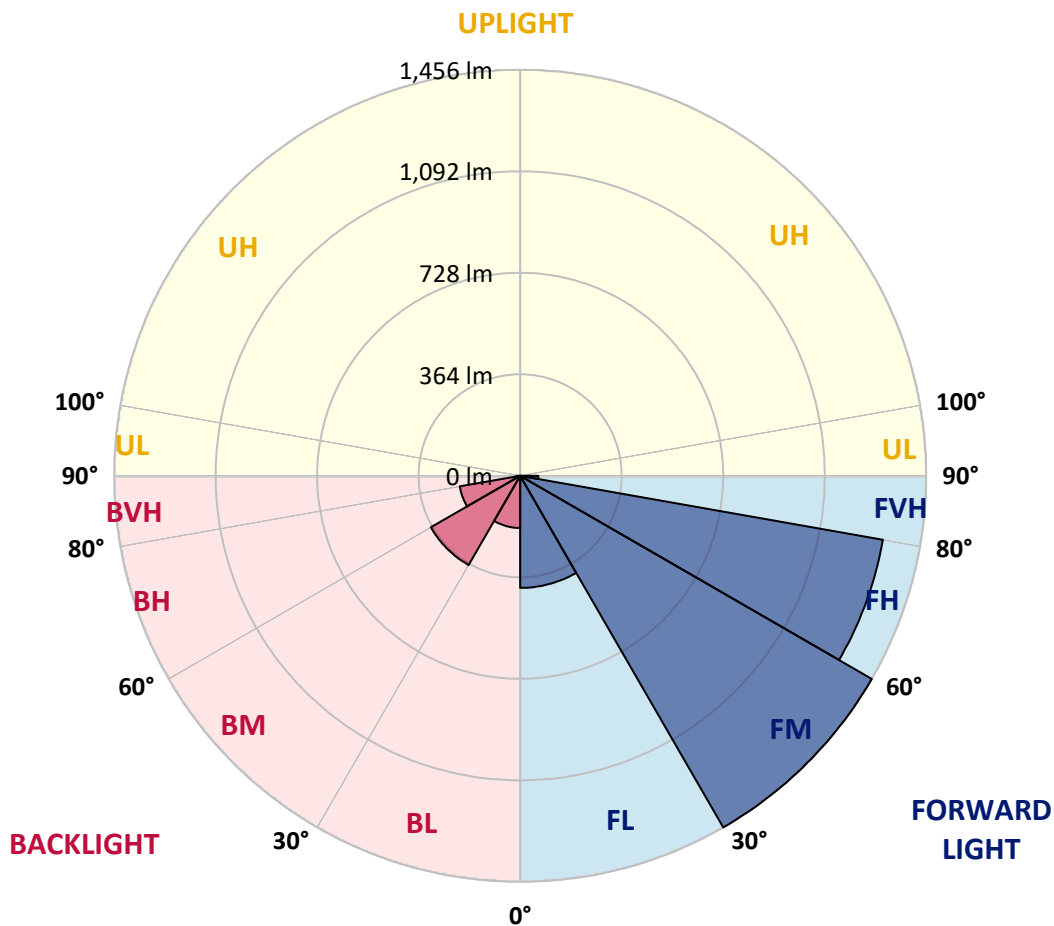


REPORT NUMBER: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 401.9 | 10.0 | | | |
| FM (30°-60°) | 1455.9 | 36.1 | | | |
| FH (60°-80°) | 1320.6 | 32.7 | | | G1/1800 |
| FVH (80°-90°) | 65.3 | 1.6 | | | G1/100 |
| BL (0°-30°) | 187.0 | 4.6 | B1/500 | | |
| BM (30°-60°) | 369.8 | 9.2 | B1/1000 | | |
| BH (60°-80°) | 219.8 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.7 | 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





REPORT NUMBER: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 |
| 2.5° | 1335.0 | 1340.0 | 1351.5 | 1391.1 | 1415.8 | 1435.6 | 1460.3 | 1435.6 | 1429.0 | 1396.0 | 1389.4 |
| 5° | 1287.2 | 1298.8 | 1331.8 | 1405.9 | 1466.9 | 1531.2 | 1564.1 | 1536.1 | 1498.2 | 1440.5 | 1382.8 |
| 7.5° | 1193.3 | 1208.1 | 1251.0 | 1366.4 | 1481.7 | 1569.1 | 1611.9 | 1582.3 | 1504.8 | 1402.6 | 1298.8 |
| 10° | 1097.7 | 1120.8 | 1171.9 | 1316.9 | 1438.9 | 1536.1 | 1602.1 | 1570.7 | 1476.8 | 1343.3 | 1219.7 |
| 12.5° | 1040.0 | 1056.5 | 1114.2 | 1265.8 | 1394.4 | 1491.6 | 1541.1 | 1522.9 | 1435.6 | 1308.7 | 1176.8 |
| 15° | 1026.8 | 1043.3 | 1101.0 | 1247.7 | 1361.4 | 1433.9 | 1445.5 | 1450.4 | 1417.5 | 1320.2 | 1188.4 |
| 17.5° | 1063.1 | 1076.3 | 1155.4 | 1277.4 | 1323.5 | 1338.3 | 1356.5 | 1377.9 | 1394.4 | 1343.3 | 1236.2 |
| 20° | 1150.4 | 1176.8 | 1246.0 | 1338.3 | 1313.6 | 1279.0 | 1288.9 | 1315.3 | 1377.9 | 1410.9 | 1346.6 |
| 22.5° | 1267.5 | 1297.1 | 1384.5 | 1422.4 | 1320.2 | 1246.0 | 1237.8 | 1260.9 | 1376.3 | 1485.0 | 1478.4 |
| 25° | 1397.7 | 1438.9 | 1532.8 | 1534.5 | 1348.2 | 1223.0 | 1206.5 | 1227.9 | 1373.0 | 1551.0 | 1583.9 |
| 27.5° | 1532.8 | 1570.7 | 1672.9 | 1621.8 | 1402.6 | 1224.6 | 1204.8 | 1226.3 | 1381.2 | 1621.8 | 1700.9 |
| 30° | 1633.4 | 1682.8 | 1771.8 | 1704.2 | 1437.2 | 1246.0 | 1216.4 | 1244.4 | 1399.3 | 1658.1 | 1804.8 |
| 32.5° | 1735.6 | 1766.9 | 1860.8 | 1752.0 | 1475.1 | 1279.0 | 1241.1 | 1284.0 | 1445.5 | 1692.7 | 1887.2 |
| 35° | 1826.2 | 1867.4 | 1963.0 | 1780.1 | 1531.2 | 1335.0 | 1285.6 | 1341.6 | 1511.4 | 1742.2 | 1971.3 |
| 37.5° | 1941.6 | 1981.1 | 2068.5 | 1819.6 | 1577.3 | 1405.9 | 1364.7 | 1437.2 | 1592.2 | 1786.7 | 2083.3 |
| 40° | 2043.8 | 2106.4 | 2172.3 | 1869.1 | 1630.1 | 1509.8 | 1483.4 | 1582.3 | 1700.9 | 1847.6 | 2192.1 |
| 42.5° | 2144.3 | 2197.1 | 2269.6 | 1925.1 | 1697.7 | 1636.7 | 1648.2 | 1752.0 | 1832.8 | 1939.9 | 2289.4 |
| 45° | 2216.8 | 2277.8 | 2342.1 | 1969.6 | 1785.0 | 1773.5 | 1850.9 | 1938.3 | 1968.0 | 2037.2 | 2376.7 |
| 47.5° | 2287.7 | 2335.5 | 2393.2 | 2014.1 | 1890.5 | 1926.8 | 2061.9 | 2129.5 | 2099.8 | 2124.5 | 2445.9 |
| 50° | 2381.7 | 2432.8 | 2449.2 | 2085.0 | 2024.0 | 2121.2 | 2267.9 | 2312.4 | 2226.7 | 2193.8 | 2518.5 |
| 52.5° | 2516.8 | 2541.5 | 2533.3 | 2169.0 | 2150.9 | 2324.0 | 2444.3 | 2511.9 | 2358.6 | 2259.7 | 2619.0 |
| 55° | 2698.1 | 2741.0 | 2688.2 | 2305.8 | 2281.1 | 2518.5 | 2658.6 | 2691.5 | 2505.3 | 2342.1 | 2734.4 |
| 57.5° | 2871.2 | 2909.1 | 2892.6 | 2472.3 | 2450.9 | 2686.6 | 2821.7 | 2853.0 | 2648.7 | 2495.4 | 2866.2 |
| 60° | 2935.5 | 2947.0 | 3006.3 | 2648.7 | 2620.6 | 2830.0 | 2983.3 | 2988.2 | 2820.1 | 2680.0 | 3080.5 |
| 62.5° | 2866.2 | 2912.4 | 2970.1 | 2813.5 | 2722.8 | 2953.6 | 3090.4 | 3121.7 | 2983.3 | 2904.1 | 3197.5 |
| 65° | 2737.7 | 2778.9 | 2846.5 | 2923.9 | 2800.3 | 2983.3 | 3111.8 | 3151.4 | 3088.7 | 3139.8 | 3248.6 |
| 67.5° | 2589.3 | 2640.4 | 2686.6 | 2942.0 | 2790.4 | 2813.5 | 2920.6 | 2945.3 | 3032.7 | 3243.7 | 3154.7 |
| 70° | 2398.1 | 2455.8 | 2495.4 | 2871.2 | 2554.7 | 2325.6 | 2401.4 | 2469.0 | 2602.5 | 3059.1 | 2935.5 |
| 72.5° | 1986.1 | 2078.4 | 2177.3 | 2549.8 | 2066.9 | 1806.4 | 1865.8 | 1910.3 | 2005.9 | 2612.4 | 2556.4 |
| 75° | 1397.7 | 1465.3 | 1587.2 | 2053.7 | 1587.2 | 1279.0 | 1371.3 | 1371.3 | 1491.6 | 2146.0 | 1941.6 |
| 77.5° | 835.6 | 837.3 | 956.0 | 1351.5 | 965.8 | 862.0 | 914.8 | 939.5 | 975.7 | 1519.6 | 1288.9 |
| 80° | 473.0 | 479.6 | 519.2 | 873.5 | 571.9 | 588.4 | 651.0 | 717.0 | 662.6 | 942.8 | 829.0 |
| 82.5° | 220.9 | 194.5 | 206.0 | 412.1 | 324.7 | 384.0 | 393.9 | 423.6 | 426.9 | 603.2 | 543.9 |
| 85° | 18.1 | 14.8 | 19.8 | 74.2 | 57.7 | 52.7 | 37.9 | 72.5 | 113.7 | 263.7 | 234.0 |
| 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 |



REPORT NUMBER: P437388

CATALOG NUMBER: ISS-SA1C-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 |
| 2.5° | 1368.0 | 1351.5 | 1315.3 | 1287.2 | 1260.9 | 1211.4 | 1191.7 | 1163.6 | 1148.8 | 1122.4 | 1129.0 |
| 5° | 1340.0 | 1302.1 | 1219.7 | 1163.6 | 1091.1 | 1031.8 | 995.5 | 962.6 | 949.4 | 921.3 | 911.5 |
| 7.5° | 1237.8 | 1204.8 | 1101.0 | 1008.7 | 919.7 | 848.8 | 781.2 | 731.8 | 708.7 | 684.0 | 682.4 |
| 10° | 1150.4 | 1096.1 | 977.4 | 868.6 | 766.4 | 700.5 | 651.0 | 609.8 | 573.6 | 542.3 | 524.1 |
| 12.5° | 1101.0 | 1033.4 | 901.6 | 769.7 | 698.8 | 652.7 | 598.3 | 547.2 | 506.0 | 469.7 | 448.3 |
| 15° | 1101.0 | 1021.9 | 865.3 | 736.7 | 665.9 | 596.7 | 534.0 | 481.3 | 426.9 | 384.0 | 370.8 |
| 17.5° | 1152.1 | 1054.9 | 873.5 | 715.3 | 614.8 | 537.3 | 458.2 | 389.0 | 336.2 | 298.3 | 285.1 |
| 20° | 1252.6 | 1135.6 | 893.3 | 690.6 | 565.3 | 458.2 | 362.6 | 288.4 | 240.6 | 222.5 | 219.2 |
| 22.5° | 1369.7 | 1232.9 | 923.0 | 667.5 | 514.2 | 374.1 | 272.0 | 219.2 | 197.8 | 191.2 | 191.2 |
| 25° | 1498.2 | 1341.6 | 960.9 | 642.8 | 461.5 | 296.7 | 207.7 | 183.0 | 174.7 | 171.4 | 171.4 |
| 27.5° | 1618.5 | 1460.3 | 1028.5 | 632.9 | 412.1 | 240.6 | 181.3 | 163.2 | 158.2 | 154.9 | 156.6 |
| 30° | 1735.6 | 1565.8 | 1097.7 | 613.1 | 357.7 | 209.3 | 163.2 | 150.0 | 143.4 | 141.7 | 143.4 |
| 32.5° | 1836.1 | 1656.4 | 1145.5 | 583.5 | 319.8 | 187.9 | 151.6 | 138.4 | 131.9 | 130.2 | 131.9 |
| 35° | 1951.5 | 1745.5 | 1193.3 | 562.0 | 300.0 | 174.7 | 143.4 | 130.2 | 123.6 | 120.3 | 120.3 |
| 37.5° | 2086.6 | 1852.6 | 1229.6 | 530.7 | 286.8 | 161.5 | 136.8 | 123.6 | 115.4 | 112.1 | 112.1 |
| 40° | 2267.9 | 1982.8 | 1259.2 | 506.0 | 272.0 | 154.9 | 128.6 | 117.0 | 108.8 | 105.5 | 103.8 |
| 42.5° | 2393.2 | 2096.5 | 1284.0 | 489.5 | 257.1 | 151.6 | 123.6 | 113.7 | 103.8 | 98.9 | 97.2 |
| 45° | 2478.9 | 2197.1 | 1300.4 | 481.3 | 243.9 | 143.4 | 120.3 | 110.4 | 98.9 | 92.3 | 92.3 |
| 47.5° | 2561.3 | 2279.5 | 1302.1 | 469.7 | 234.0 | 133.5 | 125.3 | 105.5 | 93.9 | 87.4 | 87.4 |
| 50° | 2653.6 | 2383.3 | 1333.4 | 458.2 | 222.5 | 122.0 | 123.6 | 103.8 | 90.7 | 84.1 | 82.4 |
| 52.5° | 2745.9 | 2525.1 | 1394.4 | 441.7 | 206.0 | 112.1 | 117.0 | 105.5 | 87.4 | 80.8 | 79.1 |
| 55° | 2910.7 | 2701.4 | 1470.2 | 417.0 | 184.6 | 102.2 | 108.8 | 103.8 | 82.4 | 75.8 | 74.2 |
| 57.5° | 3017.9 | 2866.2 | 1529.5 | 390.6 | 153.3 | 95.6 | 95.6 | 100.5 | 77.5 | 70.9 | 69.2 |
| 60° | 3078.8 | 2897.5 | 1541.1 | 359.3 | 125.3 | 85.7 | 82.4 | 102.2 | 72.5 | 64.3 | 64.3 |
| 62.5° | 3077.2 | 2790.4 | 1483.4 | 329.6 | 108.8 | 79.1 | 74.2 | 89.0 | 67.6 | 61.0 | 59.3 |
| 65° | 3045.9 | 2632.2 | 1353.2 | 291.7 | 102.2 | 72.5 | 65.9 | 67.6 | 62.6 | 56.0 | 54.4 |
| 67.5° | 2910.7 | 2358.6 | 1145.5 | 253.8 | 98.9 | 65.9 | 61.0 | 57.7 | 54.4 | 49.4 | 47.8 |
| 70° | 2582.7 | 2050.4 | 893.3 | 235.7 | 97.2 | 57.7 | 52.7 | 49.4 | 46.1 | 42.9 | 42.9 |
| 72.5° | 2099.8 | 1598.8 | 682.4 | 225.8 | 98.9 | 52.7 | 44.5 | 42.9 | 39.6 | 37.9 | 36.3 |
| 75° | 1453.7 | 1181.8 | 494.5 | 199.4 | 95.6 | 44.5 | 37.9 | 34.6 | 33.0 | 29.7 | 29.7 |
| 77.5° | 934.5 | 773.0 | 328.0 | 159.9 | 77.5 | 36.3 | 28.0 | 26.4 | 24.7 | 23.1 | 23.1 |
| 80° | 614.8 | 525.8 | 191.2 | 113.7 | 47.8 | 24.7 | 19.8 | 19.8 | 18.1 | 14.8 | 14.8 |
| 82.5° | 390.6 | 397.2 | 98.9 | 52.7 | 28.0 | 14.8 | 11.5 | 9.9 | 9.9 | 6.6 | 6.6 |
| 85° | 85.7 | 150.0 | 44.5 | 21.4 | 9.9 | 1.6 | 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 |



REPORT NUMBER: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 |
| 2.5° | 1105.9 | 1092.8 | 1087.8 | 1087.8 | 1066.4 | 1068.0 | 1068.0 | 1081.2 | 1079.6 | 1091.1 | 1086.2 |
| 5° | 899.9 | 886.7 | 886.7 | 890.0 | 893.3 | 878.5 | 883.4 | 870.3 | 895.0 | 876.8 | 863.7 |
| 7.5° | 664.2 | 662.6 | 674.1 | 700.5 | 695.5 | 690.6 | 680.7 | 656.0 | 642.8 | 656.0 | 649.4 |
| 10° | 509.3 | 514.2 | 510.9 | 522.5 | 524.1 | 522.5 | 506.0 | 501.1 | 494.5 | 501.1 | 509.3 |
| 12.5° | 426.9 | 407.1 | 385.7 | 384.0 | 397.2 | 397.2 | 395.6 | 397.2 | 402.2 | 402.2 | 408.8 |
| 15° | 356.0 | 342.8 | 314.8 | 301.6 | 311.5 | 304.9 | 306.6 | 313.2 | 318.1 | 324.7 | 321.4 |
| 17.5° | 283.5 | 272.0 | 258.8 | 250.5 | 255.5 | 250.5 | 248.9 | 247.2 | 247.2 | 245.6 | 252.2 |
| 20° | 215.9 | 214.3 | 219.2 | 215.9 | 217.6 | 214.3 | 209.3 | 202.7 | 197.8 | 201.1 | 204.4 |
| 22.5° | 187.9 | 189.5 | 192.8 | 196.1 | 196.1 | 192.8 | 184.6 | 178.0 | 176.4 | 176.4 | 178.0 |
| 25° | 173.1 | 173.1 | 178.0 | 179.7 | 181.3 | 176.4 | 166.5 | 161.5 | 161.5 | 161.5 | 161.5 |
| 27.5° | 156.6 | 159.9 | 163.2 | 166.5 | 168.1 | 163.2 | 154.9 | 150.0 | 150.0 | 148.3 | 146.7 |
| 30° | 145.0 | 146.7 | 150.0 | 151.6 | 153.3 | 148.3 | 143.4 | 138.4 | 138.4 | 138.4 | 136.8 |
| 32.5° | 131.9 | 136.8 | 138.4 | 140.1 | 141.7 | 138.4 | 133.5 | 130.2 | 128.6 | 126.9 | 123.6 |
| 35° | 122.0 | 123.6 | 128.6 | 128.6 | 130.2 | 128.6 | 125.3 | 122.0 | 117.0 | 115.4 | 115.4 |
| 37.5° | 112.1 | 112.1 | 115.4 | 118.7 | 122.0 | 120.3 | 115.4 | 110.4 | 108.8 | 108.8 | 108.8 |
| 40° | 105.5 | 103.8 | 105.5 | 110.4 | 113.7 | 113.7 | 107.1 | 103.8 | 103.8 | 102.2 | 102.2 |
| 42.5° | 97.2 | 97.2 | 97.2 | 102.2 | 108.8 | 105.5 | 98.9 | 98.9 | 98.9 | 97.2 | 97.2 |
| 45° | 92.3 | 90.7 | 92.3 | 92.3 | 100.5 | 95.6 | 93.9 | 92.3 | 93.9 | 92.3 | 93.9 |
| 47.5° | 85.7 | 85.7 | 85.7 | 87.4 | 92.3 | 89.0 | 87.4 | 87.4 | 89.0 | 89.0 | 89.0 |
| 50° | 80.8 | 80.8 | 80.8 | 82.4 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 85.7 | 85.7 |
| 52.5° | 77.5 | 75.8 | 77.5 | 77.5 | 79.1 | 80.8 | 79.1 | 80.8 | 80.8 | 80.8 | 82.4 |
| 55° | 74.2 | 72.5 | 74.2 | 74.2 | 77.5 | 75.8 | 75.8 | 77.5 | 77.5 | 79.1 | 80.8 |
| 57.5° | 69.2 | 67.6 | 70.9 | 70.9 | 74.2 | 74.2 | 72.5 | 74.2 | 74.2 | 75.8 | 75.8 |
| 60° | 64.3 | 64.3 | 65.9 | 65.9 | 69.2 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 62.5° | 59.3 | 59.3 | 61.0 | 62.6 | 65.9 | 65.9 | 67.6 | 67.6 | 67.6 | 67.6 | 65.9 |
| 65° | 54.4 | 56.0 | 57.7 | 57.7 | 61.0 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| 67.5° | 47.8 | 51.1 | 52.7 | 54.4 | 57.7 | 57.7 | 59.3 | 59.3 | 57.7 | 57.7 | 57.7 |
| 70° | 42.9 | 44.5 | 46.1 | 47.8 | 52.7 | 52.7 | 54.4 | 54.4 | 52.7 | 52.7 | 54.4 |
| 72.5° | 36.3 | 37.9 | 39.6 | 42.9 | 47.8 | 47.8 | 49.4 | 49.4 | 47.8 | 47.8 | 47.8 |
| 75° | 31.3 | 31.3 | 33.0 | 36.3 | 42.9 | 42.9 | 42.9 | 44.5 | 42.9 | 42.9 | 41.2 |
| 77.5° | 23.1 | 24.7 | 26.4 | 31.3 | 36.3 | 37.9 | 37.9 | 37.9 | 36.3 | 36.3 | 34.6 |
| 80° | 14.8 | 16.5 | 19.8 | 23.1 | 28.0 | 29.7 | 31.3 | 31.3 | 29.7 | 29.7 | 28.0 |
| 82.5° | 6.6 | 9.9 | 11.5 | 14.8 | 18.1 | 23.1 | 23.1 | 24.7 | 23.1 | 21.4 | 21.4 |
| 85° | 0.0 | 0.0 | 1.6 | 4.9 | 8.2 | 13.2 | 14.8 | 16.5 | 14.8 | 13.2 | 13.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.3 | 3.3 | 1.6 | 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: P437388
 CATALOG NUMBER: ISS-SA1C-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 | 1274.1 |
| 2.5° | 1104.3 | 1122.4 | 1150.4 | 1166.9 | 1204.8 | 1239.5 | 1275.7 | 1323.5 | 1333.4 | 1335.0 |
| 5° | 876.8 | 898.3 | 951.0 | 972.4 | 1041.7 | 1097.7 | 1180.1 | 1260.9 | 1282.3 | 1287.2 |
| 7.5° | 669.2 | 685.7 | 743.3 | 784.5 | 860.4 | 939.5 | 1045.0 | 1140.6 | 1188.4 | 1193.3 |
| 10° | 522.5 | 567.0 | 611.5 | 672.5 | 738.4 | 815.9 | 926.3 | 1048.3 | 1101.0 | 1097.7 |
| 12.5° | 440.1 | 486.2 | 540.6 | 601.6 | 669.2 | 738.4 | 838.9 | 974.1 | 1026.8 | 1040.0 |
| 15° | 352.7 | 408.8 | 468.1 | 530.7 | 609.8 | 677.4 | 794.4 | 944.4 | 1008.7 | 1026.8 |
| 17.5° | 273.6 | 318.1 | 375.8 | 456.6 | 534.0 | 629.6 | 778.0 | 972.4 | 1045.0 | 1063.1 |
| 20° | 215.9 | 248.9 | 290.1 | 367.6 | 466.4 | 585.1 | 769.7 | 1025.2 | 1124.1 | 1150.4 |
| 22.5° | 184.6 | 197.8 | 227.5 | 295.0 | 398.9 | 537.3 | 764.8 | 1099.4 | 1223.0 | 1267.5 |
| 25° | 164.8 | 173.1 | 189.5 | 232.4 | 331.3 | 496.1 | 773.0 | 1191.7 | 1361.4 | 1397.7 |
| 27.5° | 150.0 | 156.6 | 164.8 | 196.1 | 286.8 | 459.8 | 787.8 | 1295.5 | 1480.1 | 1532.8 |
| 30° | 136.8 | 141.7 | 153.3 | 174.7 | 250.5 | 423.6 | 792.8 | 1397.7 | 1585.6 | 1633.4 |
| 32.5° | 126.9 | 133.5 | 143.4 | 161.5 | 229.1 | 398.9 | 779.6 | 1475.1 | 1682.8 | 1735.6 |
| 35° | 117.0 | 125.3 | 135.2 | 150.0 | 211.0 | 377.4 | 749.9 | 1539.4 | 1775.1 | 1826.2 |
| 37.5° | 112.1 | 117.0 | 126.9 | 138.4 | 197.8 | 356.0 | 723.6 | 1603.7 | 1870.7 | 1941.6 |
| 40° | 105.5 | 110.4 | 120.3 | 130.2 | 181.3 | 332.9 | 705.4 | 1686.1 | 1979.5 | 2043.8 |
| 42.5° | 100.5 | 107.1 | 115.4 | 126.9 | 168.1 | 308.2 | 687.3 | 1752.0 | 2076.7 | 2144.3 |
| 45° | 97.2 | 103.8 | 112.1 | 126.9 | 156.6 | 288.4 | 667.5 | 1809.7 | 2150.9 | 2216.8 |
| 47.5° | 92.3 | 100.5 | 112.1 | 122.0 | 151.6 | 275.3 | 667.5 | 1879.0 | 2218.5 | 2287.7 |
| 50° | 90.7 | 98.9 | 117.0 | 118.7 | 148.3 | 270.3 | 695.5 | 1958.1 | 2315.7 | 2381.7 |
| 52.5° | 89.0 | 97.2 | 117.0 | 112.1 | 145.0 | 273.6 | 738.4 | 2101.5 | 2441.0 | 2516.8 |
| 55° | 84.1 | 95.6 | 112.1 | 103.8 | 136.8 | 276.9 | 786.2 | 2289.4 | 2627.2 | 2698.1 |
| 57.5° | 80.8 | 93.9 | 105.5 | 95.6 | 125.3 | 272.0 | 850.5 | 2457.5 | 2821.7 | 2871.2 |
| 60° | 75.8 | 92.3 | 92.3 | 89.0 | 112.1 | 257.1 | 923.0 | 2564.6 | 2895.9 | 2935.5 |
| 62.5° | 72.5 | 90.7 | 82.4 | 82.4 | 102.2 | 234.0 | 947.7 | 2538.2 | 2823.4 | 2866.2 |
| 65° | 67.6 | 79.1 | 74.2 | 75.8 | 93.9 | 207.7 | 904.9 | 2373.4 | 2686.6 | 2737.7 |
| 67.5° | 62.6 | 67.6 | 65.9 | 69.2 | 90.7 | 181.3 | 789.5 | 2177.3 | 2510.2 | 2589.3 |
| 70° | 56.0 | 59.3 | 59.3 | 62.6 | 85.7 | 163.2 | 659.3 | 1925.1 | 2281.1 | 2398.1 |
| 72.5° | 51.1 | 52.7 | 52.7 | 57.7 | 80.8 | 153.3 | 520.8 | 1633.4 | 1913.6 | 1986.1 |
| 75° | 42.9 | 46.1 | 46.1 | 49.4 | 72.5 | 130.2 | 356.0 | 1196.6 | 1338.3 | 1397.7 |
| 77.5° | 37.9 | 37.9 | 39.6 | 41.2 | 57.7 | 87.4 | 209.3 | 736.7 | 804.3 | 835.6 |
| 80° | 29.7 | 31.3 | 29.7 | 29.7 | 36.3 | 57.7 | 113.7 | 431.8 | 489.5 | 473.0 |
| 82.5° | 21.4 | 21.4 | 18.1 | 18.1 | 21.4 | 31.3 | 49.4 | 224.2 | 229.1 | 220.9 |
| 85° | 11.5 | 8.2 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 47.8 | 23.1 | 18.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 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 |

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



Test Information

Test Method: LM-79-2008
 Report Number: SP1-1908-441-9-R4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/28/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW-EDISON
 Catalog Number: **SA1C-760-U-5WQ**
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

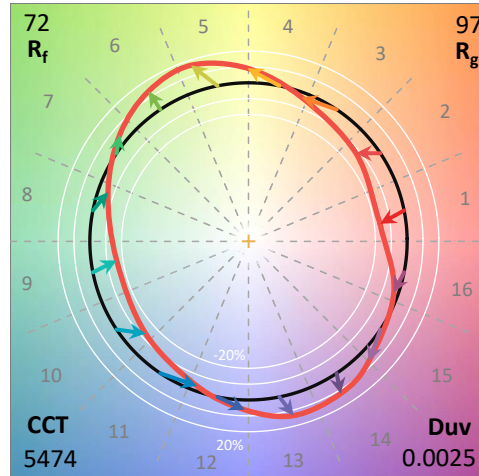
THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

Spectral Parameters

CCT (K): 5474
 CIE u': 0.2052
 CIE v': 0.4804
 Duv: 0.0025
 CIE x: 0.3330
 CIE y: 0.3466
 CIE z: 0.3204
 Peak Wavelength (nm): 442
 Dominant Wavelength (nm): 554
 Purity: 4.1

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 71.7 | | |
| R1: | 70.6 | R9: | -27.1 |
| R2: | 74.6 | R10: | 40.8 |
| R3: | 78.3 | R11: | 74.6 |
| R4: | 73.8 | R12: | 50.4 |
| R5: | 72.4 | R13: | 70.0 |
| R6: | 67.5 | R14: | 87.8 |
| R7: | 77.5 | | |
| R8: | 58.9 | | |

Rf: 72.1
 Rg: 97.2



Test Conditions

Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.6/31%
 Sphere Temperature (°C): 25.9

REPORT NUMBER: SP1-1908-441-9-R4

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 12/5/2019 |
| AC Power Source | IN0063 | 12/5/2018 | 12/5/2019 |
| DC Power Source | IN0208 | 12/5/2018 | 12/5/2019 |
| Sphere Thermometer | IN0085 | 12/5/2018 | 12/5/2019 |
| Room Thermometer | IN0046 | 12/5/2018 | 12/5/2019 |

REPORT NUMBER: SP1-1908-441-9-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-9-R4

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

Scotopic Flux vs. Wavelength

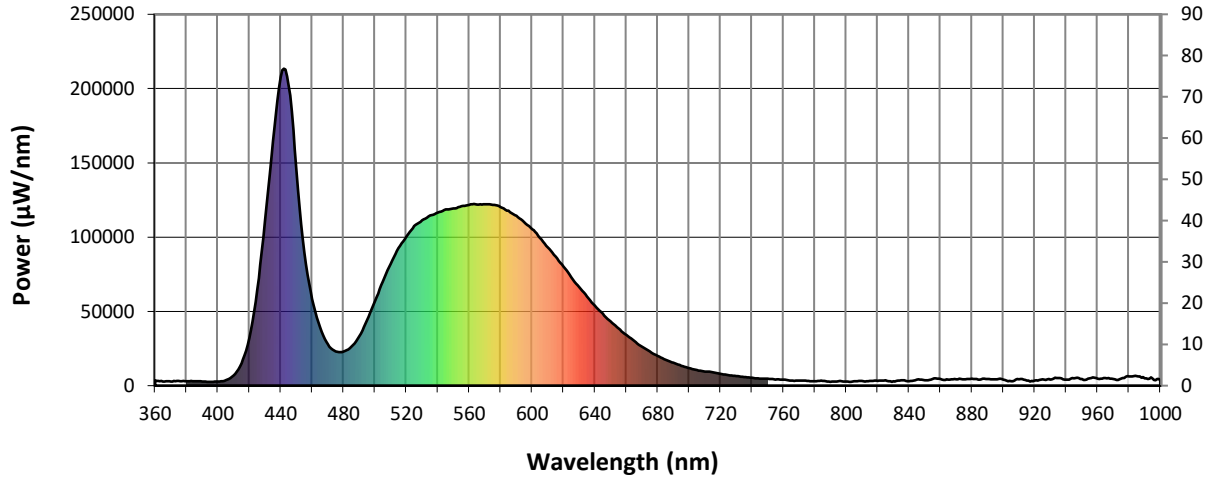


Scotopic Lumens: 13759.3 S/P: 1.85

| 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 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

Melanopic Flux vs. Wavelength



Melanopic Lumens: 5527.6 M/P: 0.74

| 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 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

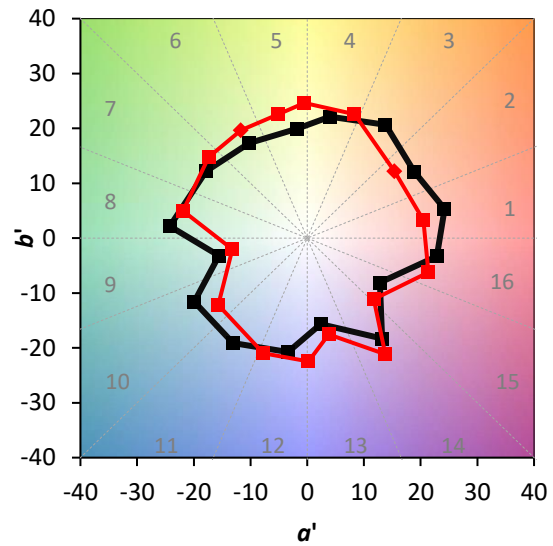
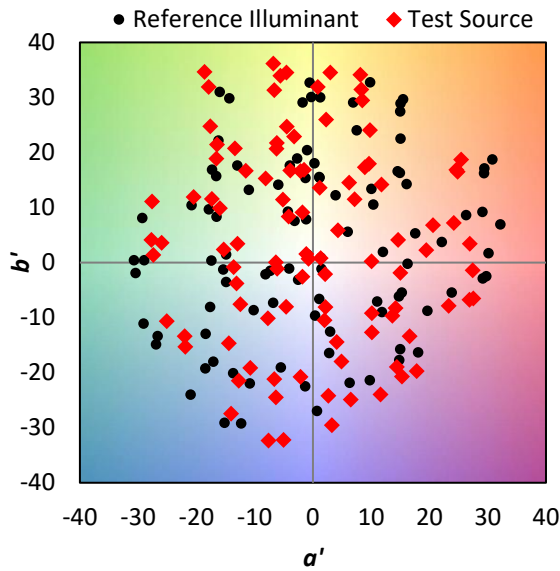
TM-30-18

Summary

$R_f = 72.1$
 $R_g = 97.2$
 CIE $R_a = 71.7$
 $R_9 = -27.1$



Color Vector Graphics



REPORT NUMBER: SP1-1908-441-9-R4

TM-30-18

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

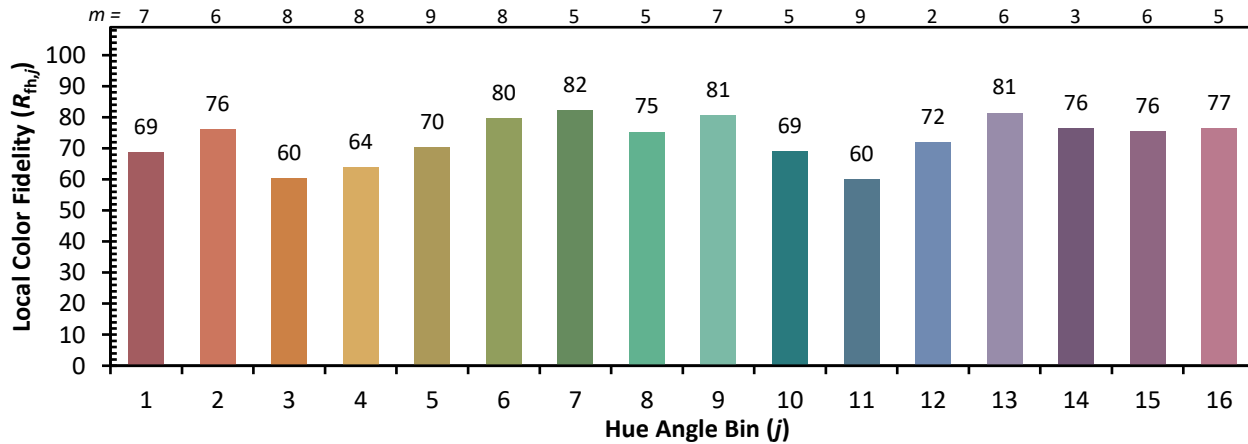
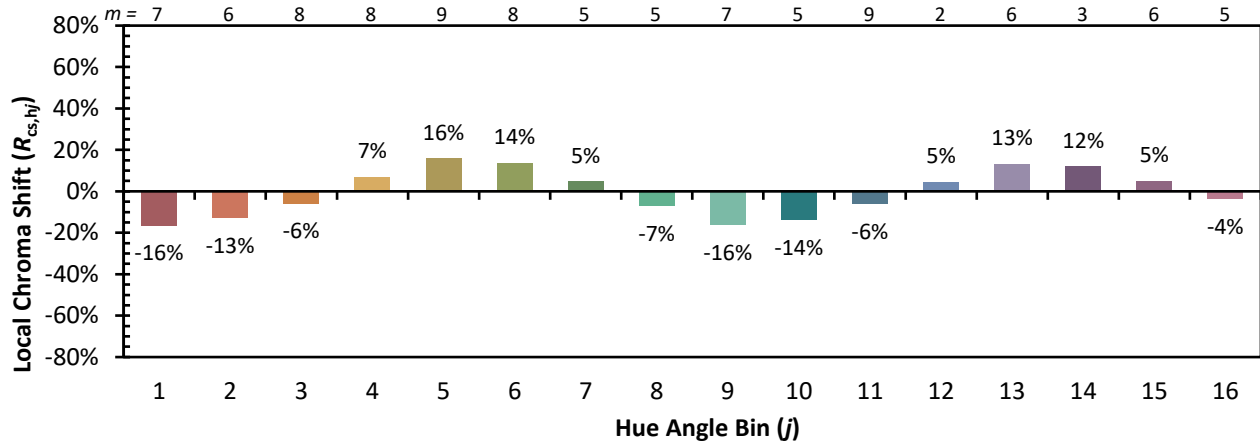
| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 59 | CES55 = 80 | CES80 = 70 |
| CES06 = 50 | CES31 = 55 | CES56 = 70 | CES81 = 71 |
| CES07 = 38 | CES32 = 52 | CES57 = 68 | CES82 = 88 |
| CES08 = 38 | CES33 = 63 | CES58 = 70 | CES83 = 82 |
| CES09 = 29 | CES34 = 63 | CES59 = 88 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 92 | CES85 = 84 |
| CES11 = 55 | CES36 = 90 | CES61 = 88 | CES86 = 76 |
| CES12 = 61 | CES37 = 72 | CES62 = 81 | CES87 = 75 |
| CES13 = 41 | CES38 = 68 | CES63 = 75 | CES88 = 77 |
| CES14 = 74 | CES39 = 91 | CES64 = 72 | CES89 = 76 |
| CES15 = 70 | CES40 = 83 | CES65 = 65 | CES90 = 76 |
| CES16 = 46 | CES41 = 84 | CES66 = 66 | CES91 = 92 |
| CES17 = 48 | CES42 = 70 | CES67 = 64 | CES92 = 70 |
| CES18 = 55 | CES43 = 69 | CES68 = 71 | CES93 = 83 |
| CES19 = 70 | CES44 = 98 | CES69 = 80 | CES94 = 60 |
| CES20 = 64 | CES45 = 79 | CES70 = 58 | CES95 = 73 |
| CES21 = 85 | CES46 = 78 | CES71 = 55 | CES96 = 79 |
| CES22 = 77 | CES47 = 76 | CES72 = 84 | CES97 = 84 |
| CES23 = 91 | CES48 = 68 | CES73 = 47 | CES98 = 73 |
| CES24 = 90 | CES49 = 78 | CES74 = 94 | CES99 = 62 |
| CES25 = 71 | CES50 = 87 | CES75 = 51 | |



REPORT NUMBER: SP1-1908-441-9-R4

TM-30-18

Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-1908-441-9-R4

TM-30-18

Measure Comparisons



(END OF REPORT)