

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: P438243

Luminaire Tested: **IST-SA1B-760-U-SLL**

Issue Date: 12/10/2020

Test Information

Test Method: LM-79-08
Report Number: P438243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-20)
Test Lab: INNOVATION CENTER
Issue Date: 12/10/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-SA1B-760-U-SLL
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 5700K, 450mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3083 lumens
Efficiency: N/A
Efficacy: 121.4 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

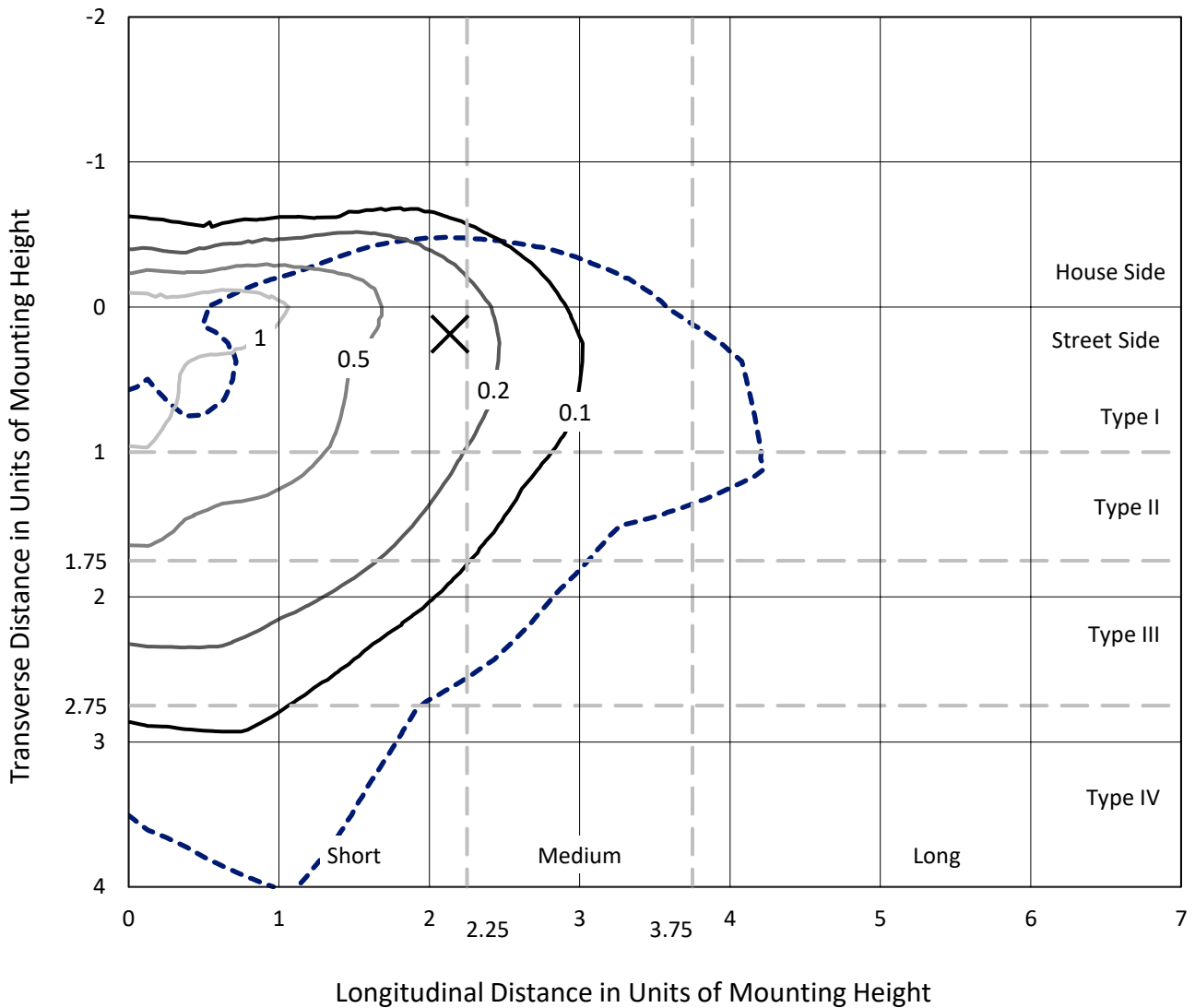
Input Watts (W): 25.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P438243
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Iso-Footcandle Lines of Horizontal Illumination

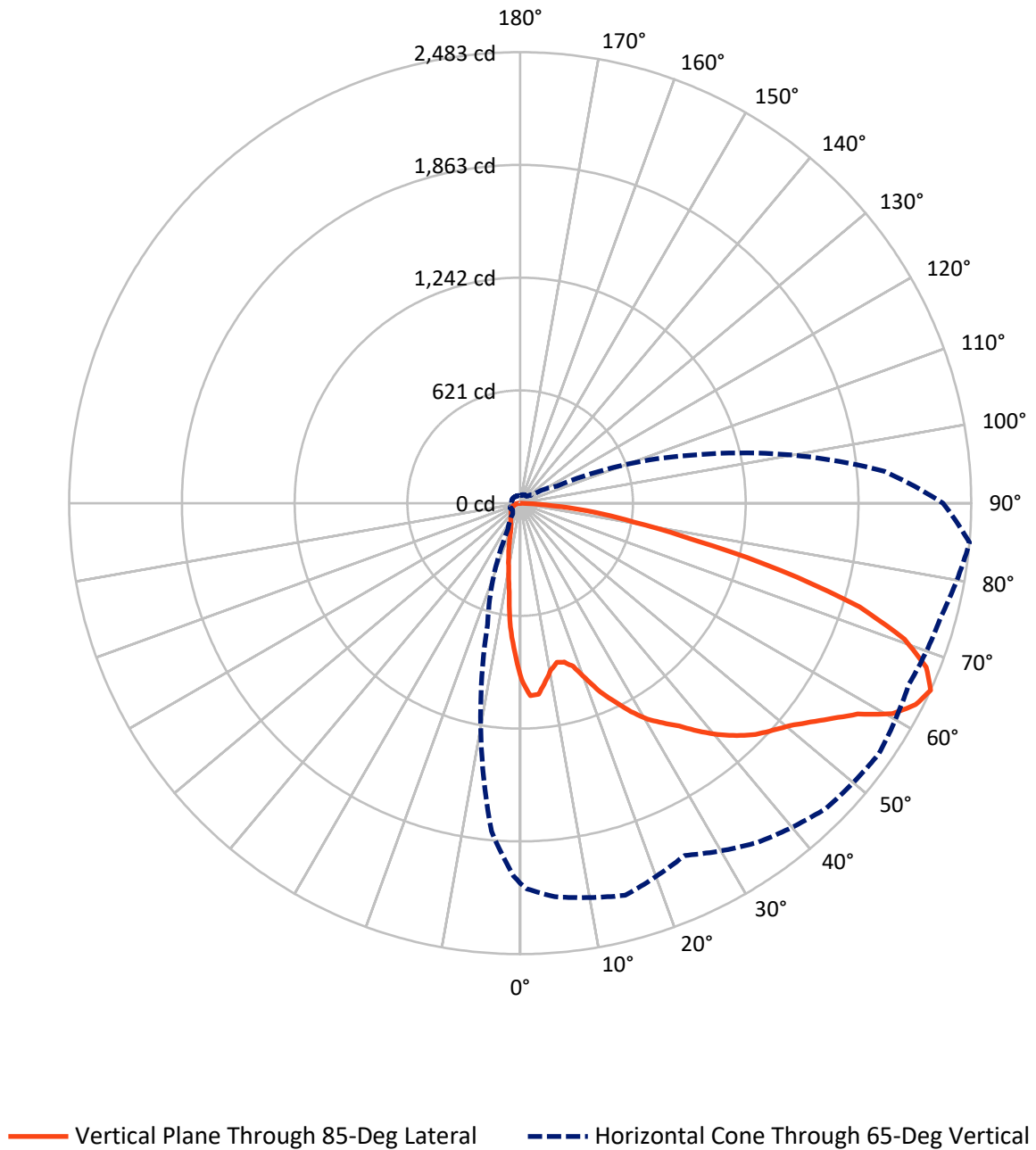
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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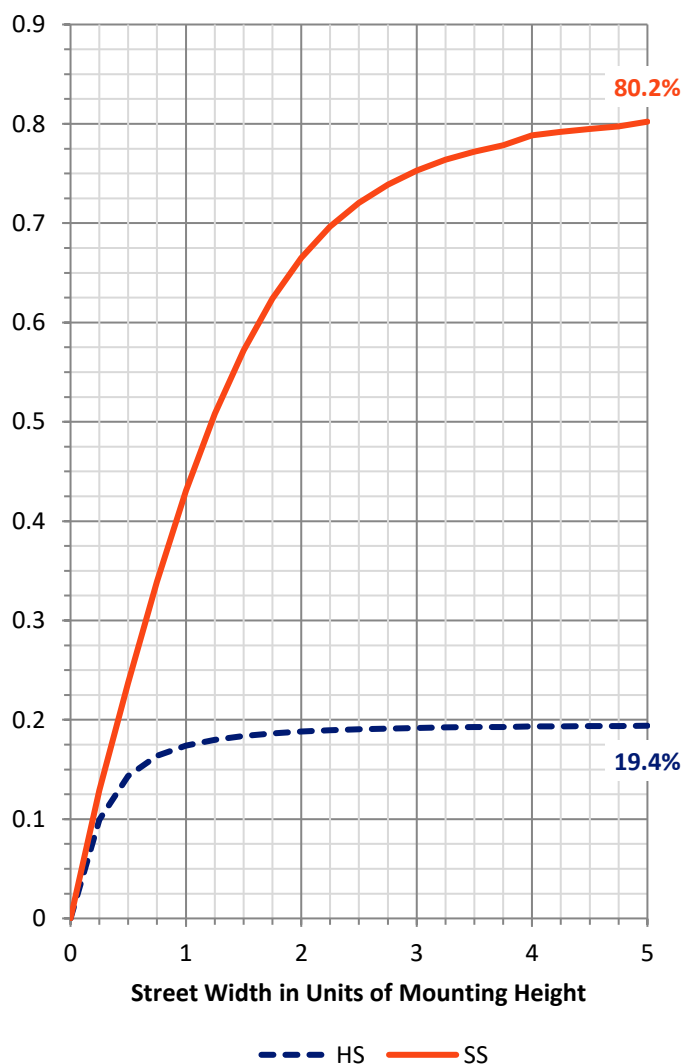
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 603.4 | 0.0 | 603.4 |
| | % Fixture | 19.6 | 0.0 | 19.6 |
| Street Side | Lumens | 2479.6 | 0.0 | 2479.6 |
| | % Fixture | 80.4 | 0.0 | 80.4 |
| Total | Lumens | 3083.0 | 0.0 | 3083.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.2 | 2.4 |
| 10°-20° | 154.2 | 5.0 |
| 20°-30° | 221.7 | 7.2 |
| 30°-40° | 318.4 | 10.3 |
| 40°-50° | 450.7 | 14.6 |
| 50°-60° | 626.6 | 20.3 |
| 60°-70° | 746.2 | 24.2 |
| 70°-80° | 431.3 | 14.0 |
| 80°-90° | 59.6 | 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° | 3083.0 | 100.0 |
| 0°-180° | 3083.0 | 100.0 |

Coefficient of Utilization

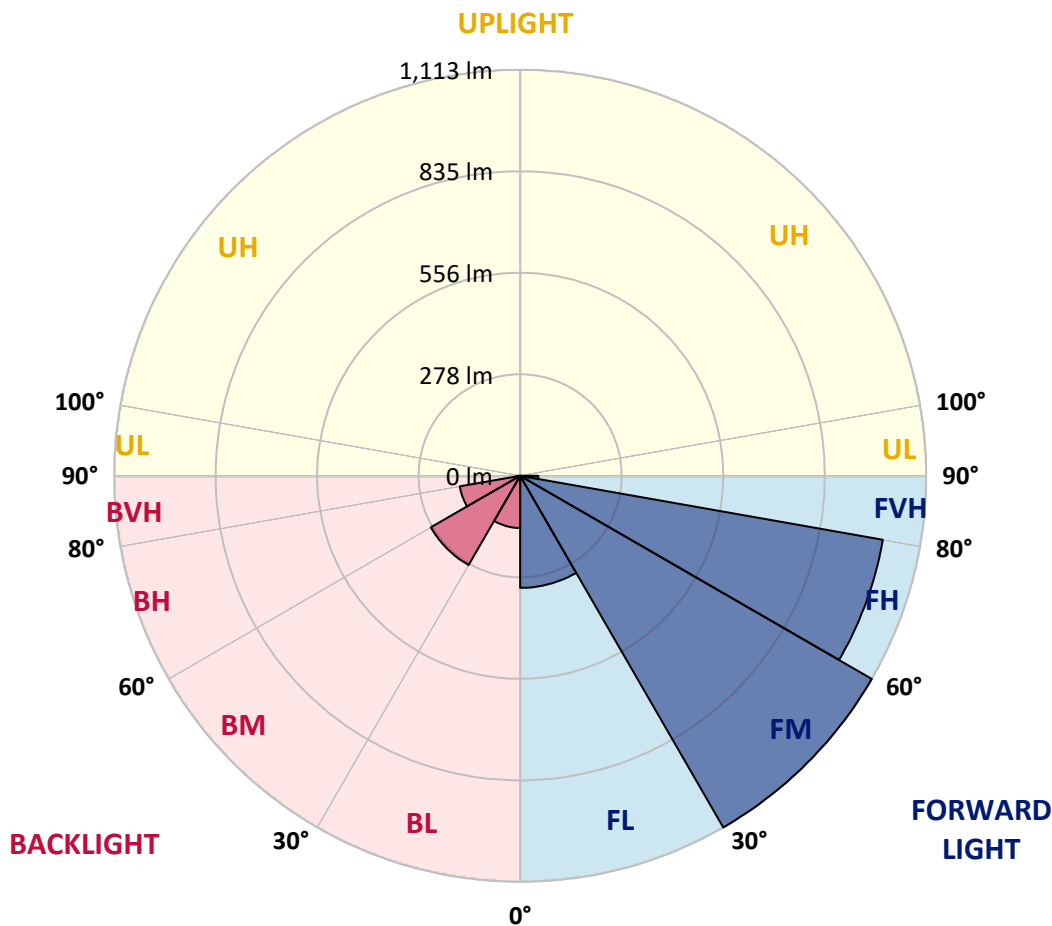


REPORT NUMBER: P438243
 CATALOG NUMBER: IST-SA1B-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 307.2 | 10.0 | | | |
| FM (30°-60°) | 1113.0 | 36.1 | | | |
| FH (60°-80°) | 1009.5 | 32.7 | | | G1/1800 |
| FVH (80°-90°) | 49.9 | 1.6 | | | G1/100 |
| BL (0°-30°) | 142.9 | 4.6 | B1/500 | | |
| BM (30°-60°) | 282.7 | 9.2 | B1/1000 | | |
| BH (60°-80°) | 168.0 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.7 | 0.3 | | | G0/10 |
| 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° | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 |
| 2.5° | 1020.6 | 1024.3 | 1033.2 | 1063.4 | 1082.3 | 1097.4 | 1116.3 | 1097.4 | 1092.4 | 1067.2 | 1062.1 |
| 5° | 984.0 | 992.8 | 1018.0 | 1074.7 | 1121.4 | 1170.5 | 1195.7 | 1174.3 | 1145.3 | 1101.2 | 1057.1 |
| 7.5° | 912.2 | 923.6 | 956.3 | 1044.5 | 1132.7 | 1199.5 | 1232.2 | 1209.6 | 1150.3 | 1072.2 | 992.8 |
| 10° | 839.1 | 856.8 | 895.8 | 1006.7 | 1099.9 | 1174.3 | 1224.7 | 1200.7 | 1128.9 | 1026.9 | 932.4 |
| 12.5° | 795.0 | 807.6 | 851.7 | 967.6 | 1065.9 | 1140.3 | 1178.1 | 1164.2 | 1097.4 | 1000.4 | 899.6 |
| 15° | 785.0 | 797.6 | 841.7 | 953.8 | 1040.7 | 1096.2 | 1105.0 | 1108.8 | 1083.6 | 1009.2 | 908.4 |
| 17.5° | 812.7 | 822.8 | 883.2 | 976.5 | 1011.7 | 1023.1 | 1036.9 | 1053.3 | 1065.9 | 1026.9 | 945.0 |
| 20° | 879.5 | 899.6 | 952.5 | 1023.1 | 1004.2 | 977.7 | 985.3 | 1005.4 | 1053.3 | 1078.5 | 1029.4 |
| 22.5° | 968.9 | 991.6 | 1058.4 | 1087.3 | 1009.2 | 952.5 | 946.2 | 963.9 | 1052.1 | 1135.2 | 1130.2 |
| 25° | 1068.4 | 1099.9 | 1171.8 | 1173.0 | 1030.6 | 934.9 | 922.3 | 938.7 | 1049.5 | 1185.6 | 1210.8 |
| 27.5° | 1171.8 | 1200.7 | 1278.9 | 1239.8 | 1072.2 | 936.2 | 921.0 | 937.4 | 1055.8 | 1239.8 | 1300.3 |
| 30° | 1248.6 | 1286.4 | 1354.5 | 1302.8 | 1098.7 | 952.5 | 929.9 | 951.3 | 1069.7 | 1267.5 | 1379.7 |
| 32.5° | 1326.7 | 1350.7 | 1422.5 | 1339.3 | 1127.7 | 977.7 | 948.8 | 981.5 | 1105.0 | 1294.0 | 1442.7 |
| 35° | 1396.0 | 1427.5 | 1500.6 | 1360.8 | 1170.5 | 1020.6 | 982.8 | 1025.6 | 1155.4 | 1331.8 | 1506.9 |
| 37.5° | 1484.2 | 1514.5 | 1581.3 | 1391.0 | 1205.8 | 1074.7 | 1043.2 | 1098.7 | 1217.1 | 1365.8 | 1592.6 |
| 40° | 1562.4 | 1610.2 | 1660.6 | 1428.8 | 1246.1 | 1154.1 | 1134.0 | 1209.6 | 1300.3 | 1412.4 | 1675.7 |
| 42.5° | 1639.2 | 1679.5 | 1735.0 | 1471.6 | 1297.8 | 1251.1 | 1260.0 | 1339.3 | 1401.1 | 1483.0 | 1750.1 |
| 45° | 1694.6 | 1741.3 | 1790.4 | 1505.7 | 1364.5 | 1355.7 | 1414.9 | 1481.7 | 1504.4 | 1557.3 | 1816.9 |
| 47.5° | 1748.8 | 1785.4 | 1829.5 | 1539.7 | 1445.2 | 1472.9 | 1576.2 | 1627.9 | 1605.2 | 1624.1 | 1869.8 |
| 50° | 1820.6 | 1859.7 | 1872.3 | 1593.9 | 1547.2 | 1621.6 | 1733.7 | 1767.7 | 1702.2 | 1677.0 | 1925.2 |
| 52.5° | 1924.0 | 1942.9 | 1936.6 | 1658.1 | 1644.2 | 1776.5 | 1868.5 | 1920.2 | 1803.0 | 1727.4 | 2002.1 |
| 55° | 2062.6 | 2095.3 | 2055.0 | 1762.7 | 1743.8 | 1925.2 | 2032.3 | 2057.5 | 1915.1 | 1790.4 | 2090.3 |
| 57.5° | 2194.9 | 2223.8 | 2211.2 | 1889.9 | 1873.6 | 2053.7 | 2157.1 | 2181.0 | 2024.8 | 1907.6 | 2191.1 |
| 60° | 2244.0 | 2252.8 | 2298.2 | 2024.8 | 2003.3 | 2163.4 | 2280.5 | 2284.3 | 2155.8 | 2048.7 | 2354.9 |
| 62.5° | 2191.1 | 2226.4 | 2270.4 | 2150.8 | 2081.5 | 2257.8 | 2362.4 | 2386.4 | 2280.5 | 2220.1 | 2444.3 |
| 65° | 2092.8 | 2124.3 | 2176.0 | 2235.2 | 2140.7 | 2280.5 | 2378.8 | 2409.0 | 2361.2 | 2400.2 | 2483.4 |
| 67.5° | 1979.4 | 2018.5 | 2053.7 | 2249.0 | 2133.1 | 2150.8 | 2232.7 | 2251.5 | 2318.3 | 2479.6 | 2411.6 |
| 70° | 1833.2 | 1877.3 | 1907.6 | 2194.9 | 1952.9 | 1777.8 | 1835.8 | 1887.4 | 1989.5 | 2338.5 | 2244.0 |
| 72.5° | 1518.3 | 1588.8 | 1664.4 | 1949.2 | 1580.0 | 1380.9 | 1426.3 | 1460.3 | 1533.4 | 1997.0 | 1954.2 |
| 75° | 1068.4 | 1120.1 | 1213.3 | 1569.9 | 1213.3 | 977.7 | 1048.3 | 1048.3 | 1140.3 | 1640.5 | 1484.2 |
| 77.5° | 638.8 | 640.1 | 730.8 | 1033.2 | 738.3 | 659.0 | 699.3 | 718.2 | 745.9 | 1161.7 | 985.3 |
| 80° | 361.6 | 366.6 | 396.9 | 667.8 | 437.2 | 449.8 | 497.7 | 548.1 | 506.5 | 720.7 | 633.8 |
| 82.5° | 168.8 | 148.7 | 157.5 | 315.0 | 248.2 | 293.6 | 301.1 | 323.8 | 326.3 | 461.1 | 415.8 |
| 85° | 13.9 | 11.3 | 15.1 | 56.7 | 44.1 | 40.3 | 29.0 | 55.4 | 86.9 | 201.6 | 178.9 |
| 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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 CATALOG NUMBER: IST-SA1B-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 |
| 2.5° | 1045.8 | 1033.2 | 1005.4 | 984.0 | 963.9 | 926.1 | 911.0 | 889.5 | 878.2 | 858.0 | 863.1 |
| 5° | 1024.3 | 995.4 | 932.4 | 889.5 | 834.1 | 788.7 | 761.0 | 735.8 | 725.7 | 704.3 | 696.8 |
| 7.5° | 946.2 | 921.0 | 841.7 | 771.1 | 703.1 | 648.9 | 597.2 | 559.4 | 541.8 | 522.9 | 521.6 |
| 10° | 879.5 | 837.9 | 747.2 | 664.0 | 585.9 | 535.5 | 497.7 | 466.2 | 438.5 | 414.5 | 400.7 |
| 12.5° | 841.7 | 790.0 | 689.2 | 588.4 | 534.2 | 498.9 | 457.4 | 418.3 | 386.8 | 359.1 | 342.7 |
| 15° | 841.7 | 781.2 | 661.5 | 563.2 | 509.0 | 456.1 | 408.2 | 367.9 | 326.3 | 293.6 | 283.5 |
| 17.5° | 880.7 | 806.4 | 667.8 | 546.8 | 470.0 | 410.7 | 350.3 | 297.4 | 257.0 | 228.1 | 218.0 |
| 20° | 957.6 | 868.1 | 682.9 | 527.9 | 432.2 | 350.3 | 277.2 | 220.5 | 184.0 | 170.1 | 167.6 |
| 22.5° | 1047.0 | 942.5 | 705.6 | 510.3 | 393.1 | 286.0 | 207.9 | 167.6 | 151.2 | 146.2 | 146.2 |
| 25° | 1145.3 | 1025.6 | 734.6 | 491.4 | 352.8 | 226.8 | 158.8 | 139.9 | 133.6 | 131.0 | 131.0 |
| 27.5° | 1237.3 | 1116.3 | 786.2 | 483.8 | 315.0 | 184.0 | 138.6 | 124.7 | 121.0 | 118.4 | 119.7 |
| 30° | 1326.7 | 1197.0 | 839.1 | 468.7 | 273.4 | 160.0 | 124.7 | 114.7 | 109.6 | 108.4 | 109.6 |
| 32.5° | 1403.6 | 1266.3 | 875.7 | 446.0 | 244.4 | 143.6 | 115.9 | 105.8 | 100.8 | 99.5 | 100.8 |
| 35° | 1491.8 | 1334.3 | 912.2 | 429.6 | 229.3 | 133.6 | 109.6 | 99.5 | 94.5 | 92.0 | 92.0 |
| 37.5° | 1595.1 | 1416.2 | 939.9 | 405.7 | 219.2 | 123.5 | 104.6 | 94.5 | 88.2 | 85.7 | 85.7 |
| 40° | 1733.7 | 1515.7 | 962.6 | 386.8 | 207.9 | 118.4 | 98.3 | 89.5 | 83.2 | 80.6 | 79.4 |
| 42.5° | 1829.5 | 1602.7 | 981.5 | 374.2 | 196.6 | 115.9 | 94.5 | 86.9 | 79.4 | 75.6 | 74.3 |
| 45° | 1895.0 | 1679.5 | 994.1 | 367.9 | 186.5 | 109.6 | 92.0 | 84.4 | 75.6 | 70.6 | 70.6 |
| 47.5° | 1958.0 | 1742.5 | 995.4 | 359.1 | 178.9 | 102.1 | 95.8 | 80.6 | 71.8 | 66.8 | 66.8 |
| 50° | 2028.5 | 1821.9 | 1019.3 | 350.3 | 170.1 | 93.2 | 94.5 | 79.4 | 69.3 | 64.3 | 63.0 |
| 52.5° | 2099.1 | 1930.3 | 1065.9 | 337.7 | 157.5 | 85.7 | 89.5 | 80.6 | 66.8 | 61.7 | 60.5 |
| 55° | 2225.1 | 2065.1 | 1123.9 | 318.8 | 141.1 | 78.1 | 83.2 | 79.4 | 63.0 | 58.0 | 56.7 |
| 57.5° | 2307.0 | 2191.1 | 1169.2 | 298.6 | 117.2 | 73.1 | 73.1 | 76.9 | 59.2 | 54.2 | 52.9 |
| 60° | 2353.6 | 2215.0 | 1178.1 | 274.7 | 95.8 | 65.5 | 63.0 | 78.1 | 55.4 | 49.1 | 49.1 |
| 62.5° | 2352.3 | 2133.1 | 1134.0 | 252.0 | 83.2 | 60.5 | 56.7 | 68.0 | 51.7 | 46.6 | 45.4 |
| 65° | 2328.4 | 2012.2 | 1034.4 | 223.0 | 78.1 | 55.4 | 50.4 | 51.7 | 47.9 | 42.8 | 41.6 |
| 67.5° | 2225.1 | 1803.0 | 875.7 | 194.0 | 75.6 | 50.4 | 46.6 | 44.1 | 41.6 | 37.8 | 36.5 |
| 70° | 1974.4 | 1567.4 | 682.9 | 180.2 | 74.3 | 44.1 | 40.3 | 37.8 | 35.3 | 32.8 | 32.8 |
| 72.5° | 1605.2 | 1222.2 | 521.6 | 172.6 | 75.6 | 40.3 | 34.0 | 32.8 | 30.2 | 29.0 | 27.7 |
| 75° | 1111.3 | 903.4 | 378.0 | 152.5 | 73.1 | 34.0 | 29.0 | 26.5 | 25.2 | 22.7 | 22.7 |
| 77.5° | 714.4 | 590.9 | 250.7 | 122.2 | 59.2 | 27.7 | 21.4 | 20.2 | 18.9 | 17.6 | 17.6 |
| 80° | 470.0 | 401.9 | 146.2 | 86.9 | 36.5 | 18.9 | 15.1 | 15.1 | 13.9 | 11.3 | 11.3 |
| 82.5° | 298.6 | 303.7 | 75.6 | 40.3 | 21.4 | 11.3 | 8.8 | 7.6 | 7.6 | 5.0 | 5.0 |
| 85° | 65.5 | 114.7 | 34.0 | 16.4 | 7.6 | 1.3 | 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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 CATALOG NUMBER: IST-SA1B-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 |
| 2.5° | 845.4 | 835.4 | 831.6 | 831.6 | 815.2 | 816.5 | 816.5 | 826.5 | 825.3 | 834.1 | 830.3 |
| 5° | 687.9 | 677.9 | 677.9 | 680.4 | 682.9 | 671.6 | 675.3 | 665.3 | 684.2 | 670.3 | 660.2 |
| 7.5° | 507.8 | 506.5 | 515.3 | 535.5 | 531.7 | 527.9 | 520.4 | 501.5 | 491.4 | 501.5 | 496.4 |
| 10° | 389.3 | 393.1 | 390.6 | 399.4 | 400.7 | 399.4 | 386.8 | 383.0 | 378.0 | 383.0 | 389.3 |
| 12.5° | 326.3 | 311.2 | 294.8 | 293.6 | 303.7 | 303.7 | 302.4 | 303.7 | 307.4 | 307.4 | 312.5 |
| 15° | 272.2 | 262.1 | 240.7 | 230.6 | 238.1 | 233.1 | 234.4 | 239.4 | 243.2 | 248.2 | 245.7 |
| 17.5° | 216.7 | 207.9 | 197.8 | 191.5 | 195.3 | 191.5 | 190.3 | 189.0 | 189.0 | 187.7 | 192.8 |
| 20° | 165.1 | 163.8 | 167.6 | 165.1 | 166.3 | 163.8 | 160.0 | 155.0 | 151.2 | 153.7 | 156.2 |
| 22.5° | 143.6 | 144.9 | 147.4 | 149.9 | 149.9 | 147.4 | 141.1 | 136.1 | 134.8 | 134.8 | 136.1 |
| 25° | 132.3 | 132.3 | 136.1 | 137.3 | 138.6 | 134.8 | 127.3 | 123.5 | 123.5 | 123.5 | 123.5 |
| 27.5° | 119.7 | 122.2 | 124.7 | 127.3 | 128.5 | 124.7 | 118.4 | 114.7 | 114.7 | 113.4 | 112.1 |
| 30° | 110.9 | 112.1 | 114.7 | 115.9 | 117.2 | 113.4 | 109.6 | 105.8 | 105.8 | 105.8 | 104.6 |
| 32.5° | 100.8 | 104.6 | 105.8 | 107.1 | 108.4 | 105.8 | 102.1 | 99.5 | 98.3 | 97.0 | 94.5 |
| 35° | 93.2 | 94.5 | 98.3 | 98.3 | 99.5 | 98.3 | 95.8 | 93.2 | 89.5 | 88.2 | 88.2 |
| 37.5° | 85.7 | 85.7 | 88.2 | 90.7 | 93.2 | 92.0 | 88.2 | 84.4 | 83.2 | 83.2 | 83.2 |
| 40° | 80.6 | 79.4 | 80.6 | 84.4 | 86.9 | 86.9 | 81.9 | 79.4 | 79.4 | 78.1 | 78.1 |
| 42.5° | 74.3 | 74.3 | 74.3 | 78.1 | 83.2 | 80.6 | 75.6 | 75.6 | 75.6 | 74.3 | 74.3 |
| 45° | 70.6 | 69.3 | 70.6 | 70.6 | 76.9 | 73.1 | 71.8 | 70.6 | 71.8 | 70.6 | 71.8 |
| 47.5° | 65.5 | 65.5 | 65.5 | 66.8 | 70.6 | 68.0 | 66.8 | 66.8 | 68.0 | 68.0 | 68.0 |
| 50° | 61.7 | 61.7 | 61.7 | 63.0 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 65.5 | 65.5 |
| 52.5° | 59.2 | 58.0 | 59.2 | 59.2 | 60.5 | 61.7 | 60.5 | 61.7 | 61.7 | 61.7 | 63.0 |
| 55° | 56.7 | 55.4 | 56.7 | 56.7 | 59.2 | 58.0 | 58.0 | 59.2 | 59.2 | 60.5 | 61.7 |
| 57.5° | 52.9 | 51.7 | 54.2 | 54.2 | 56.7 | 56.7 | 55.4 | 56.7 | 56.7 | 58.0 | 58.0 |
| 60° | 49.1 | 49.1 | 50.4 | 50.4 | 52.9 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 62.5° | 45.4 | 45.4 | 46.6 | 47.9 | 50.4 | 50.4 | 51.7 | 51.7 | 51.7 | 51.7 | 50.4 |
| 65° | 41.6 | 42.8 | 44.1 | 44.1 | 46.6 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| 67.5° | 36.5 | 39.1 | 40.3 | 41.6 | 44.1 | 44.1 | 45.4 | 45.4 | 44.1 | 44.1 | 44.1 |
| 70° | 32.8 | 34.0 | 35.3 | 36.5 | 40.3 | 40.3 | 41.6 | 41.6 | 40.3 | 40.3 | 41.6 |
| 72.5° | 27.7 | 29.0 | 30.2 | 32.8 | 36.5 | 36.5 | 37.8 | 37.8 | 36.5 | 36.5 | 36.5 |
| 75° | 23.9 | 23.9 | 25.2 | 27.7 | 32.8 | 32.8 | 32.8 | 34.0 | 32.8 | 32.8 | 31.5 |
| 77.5° | 17.6 | 18.9 | 20.2 | 23.9 | 27.7 | 29.0 | 29.0 | 29.0 | 27.7 | 27.7 | 26.5 |
| 80° | 11.3 | 12.6 | 15.1 | 17.6 | 21.4 | 22.7 | 23.9 | 23.9 | 22.7 | 22.7 | 21.4 |
| 82.5° | 5.0 | 7.6 | 8.8 | 11.3 | 13.9 | 17.6 | 17.6 | 18.9 | 17.6 | 16.4 | 16.4 |
| 85° | 0.0 | 0.0 | 1.3 | 3.8 | 6.3 | 10.1 | 11.3 | 12.6 | 11.3 | 10.1 | 10.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.5 | 2.5 | 1.3 | 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: P438243
 CATALOG NUMBER: IST-SA1B-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 | 973.9 |
| 2.5° | 844.2 | 858.0 | 879.5 | 892.1 | 921.0 | 947.5 | 975.2 | 1011.7 | 1019.3 | 1020.6 |
| 5° | 670.3 | 686.7 | 727.0 | 743.4 | 796.3 | 839.1 | 902.1 | 963.9 | 980.2 | 984.0 |
| 7.5° | 511.5 | 524.1 | 568.2 | 599.7 | 657.7 | 718.2 | 798.8 | 871.9 | 908.4 | 912.2 |
| 10° | 399.4 | 433.4 | 467.4 | 514.1 | 564.5 | 623.7 | 708.1 | 801.3 | 841.7 | 839.1 |
| 12.5° | 336.4 | 371.7 | 413.3 | 459.9 | 511.5 | 564.5 | 641.3 | 744.6 | 785.0 | 795.0 |
| 15° | 269.6 | 312.5 | 357.8 | 405.7 | 466.2 | 517.8 | 607.3 | 722.0 | 771.1 | 785.0 |
| 17.5° | 209.2 | 243.2 | 287.3 | 349.0 | 408.2 | 481.3 | 594.7 | 743.4 | 798.8 | 812.7 |
| 20° | 165.1 | 190.3 | 221.8 | 281.0 | 356.6 | 447.3 | 588.4 | 783.7 | 859.3 | 879.5 |
| 22.5° | 141.1 | 151.2 | 173.9 | 225.5 | 304.9 | 410.7 | 584.6 | 840.4 | 934.9 | 968.9 |
| 25° | 126.0 | 132.3 | 144.9 | 177.7 | 253.3 | 379.2 | 590.9 | 911.0 | 1040.7 | 1068.4 |
| 27.5° | 114.7 | 119.7 | 126.0 | 149.9 | 219.2 | 351.5 | 602.3 | 990.3 | 1131.4 | 1171.8 |
| 30° | 104.6 | 108.4 | 117.2 | 133.6 | 191.5 | 323.8 | 606.0 | 1068.4 | 1212.1 | 1248.6 |
| 32.5° | 97.0 | 102.1 | 109.6 | 123.5 | 175.1 | 304.9 | 596.0 | 1127.7 | 1286.4 | 1326.7 |
| 35° | 89.5 | 95.8 | 103.3 | 114.7 | 161.3 | 288.5 | 573.3 | 1176.8 | 1357.0 | 1396.0 |
| 37.5° | 85.7 | 89.5 | 97.0 | 105.8 | 151.2 | 272.2 | 553.1 | 1225.9 | 1430.1 | 1484.2 |
| 40° | 80.6 | 84.4 | 92.0 | 99.5 | 138.6 | 254.5 | 539.3 | 1288.9 | 1513.2 | 1562.4 |
| 42.5° | 76.9 | 81.9 | 88.2 | 97.0 | 128.5 | 235.6 | 525.4 | 1339.3 | 1587.6 | 1639.2 |
| 45° | 74.3 | 79.4 | 85.7 | 97.0 | 119.7 | 220.5 | 510.3 | 1383.4 | 1644.2 | 1694.6 |
| 47.5° | 70.6 | 76.9 | 85.7 | 93.2 | 115.9 | 210.4 | 510.3 | 1436.4 | 1695.9 | 1748.8 |
| 50° | 69.3 | 75.6 | 89.5 | 90.7 | 113.4 | 206.6 | 531.7 | 1496.8 | 1770.2 | 1820.6 |
| 52.5° | 68.0 | 74.3 | 89.5 | 85.7 | 110.9 | 209.2 | 564.5 | 1606.4 | 1866.0 | 1924.0 |
| 55° | 64.3 | 73.1 | 85.7 | 79.4 | 104.6 | 211.7 | 601.0 | 1750.1 | 2008.4 | 2062.6 |
| 57.5° | 61.7 | 71.8 | 80.6 | 73.1 | 95.8 | 207.9 | 650.1 | 1878.6 | 2157.1 | 2194.9 |
| 60° | 58.0 | 70.6 | 70.6 | 68.0 | 85.7 | 196.6 | 705.6 | 1960.5 | 2213.8 | 2244.0 |
| 62.5° | 55.4 | 69.3 | 63.0 | 63.0 | 78.1 | 178.9 | 724.5 | 1940.3 | 2158.3 | 2191.1 |
| 65° | 51.7 | 60.5 | 56.7 | 58.0 | 71.8 | 158.8 | 691.7 | 1814.3 | 2053.7 | 2092.8 |
| 67.5° | 47.9 | 51.7 | 50.4 | 52.9 | 69.3 | 138.6 | 603.5 | 1664.4 | 1918.9 | 1979.4 |
| 70° | 42.8 | 45.4 | 45.4 | 47.9 | 65.5 | 124.7 | 504.0 | 1471.6 | 1743.8 | 1833.2 |
| 72.5° | 39.1 | 40.3 | 40.3 | 44.1 | 61.7 | 117.2 | 398.1 | 1248.6 | 1462.8 | 1518.3 |
| 75° | 32.8 | 35.3 | 35.3 | 37.8 | 55.4 | 99.5 | 272.2 | 914.7 | 1023.1 | 1068.4 |
| 77.5° | 29.0 | 29.0 | 30.2 | 31.5 | 44.1 | 66.8 | 160.0 | 563.2 | 614.9 | 638.8 |
| 80° | 22.7 | 23.9 | 22.7 | 22.7 | 27.7 | 44.1 | 86.9 | 330.1 | 374.2 | 361.6 |
| 82.5° | 16.4 | 16.4 | 13.9 | 13.9 | 16.4 | 23.9 | 37.8 | 171.4 | 175.1 | 168.8 |
| 85° | 8.8 | 6.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 36.5 | 17.6 | 13.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 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

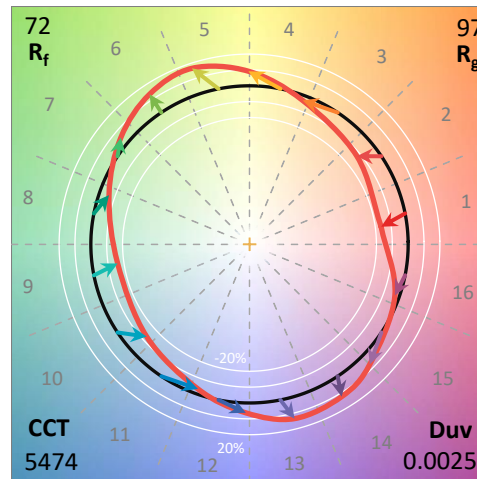
THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

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 | | | |

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TM-30-18

Summary

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



Color Vector Graphics



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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 | |



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TM-30-18

Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)