

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: P437729

Luminaire Tested: **ISS-SA1E-760-U-SLL-HSS**

Issue Date: 12/9/2020

Test Information

Test Method: LM-79-08
Report Number: P437729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-21)
Test Lab: INNOVATION CENTER
Issue Date: 12/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISS-SA1E-760-U-SLL-HSS
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5347 lumens
Efficiency: N/A
Efficacy: 91.9 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

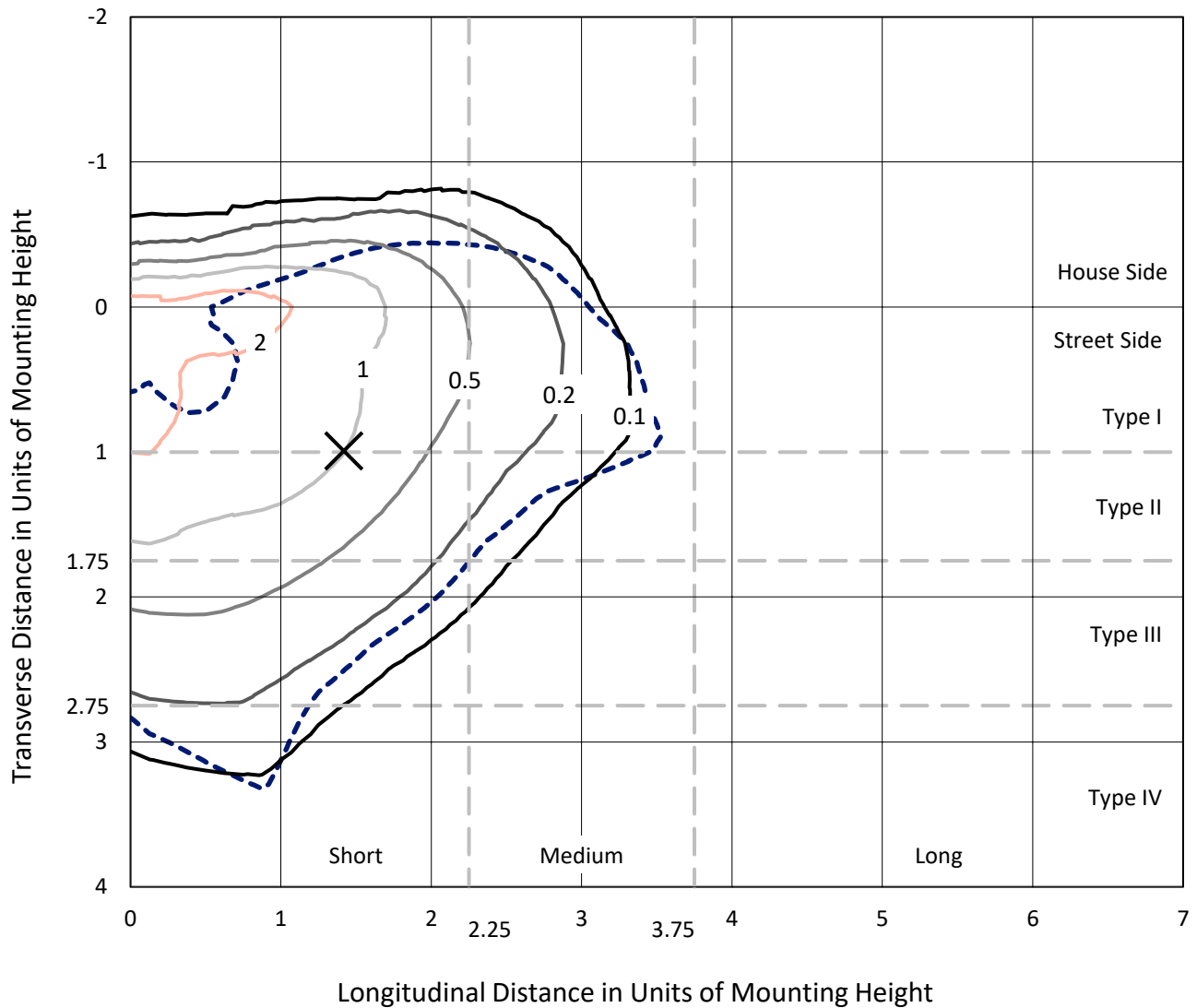
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

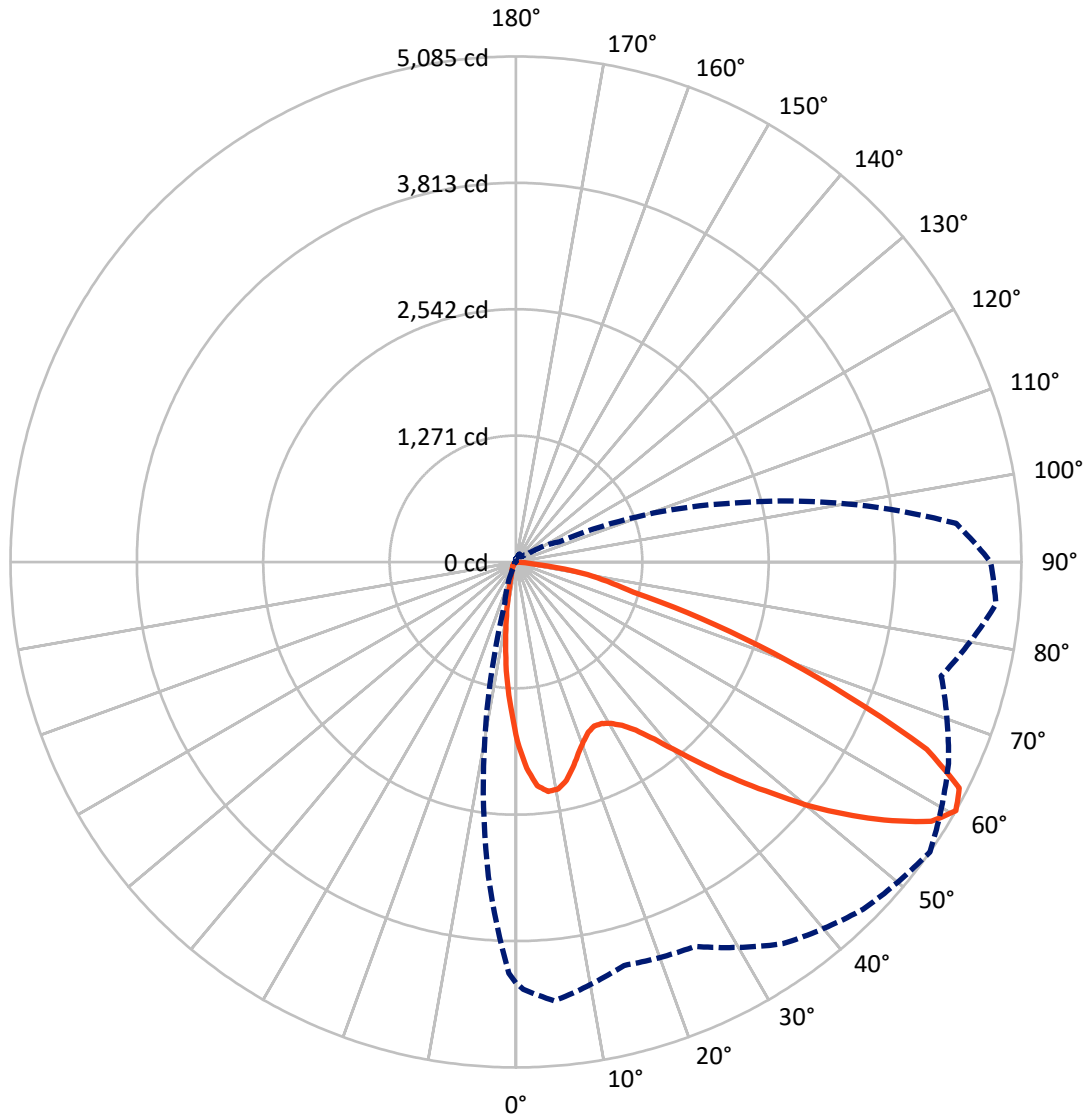
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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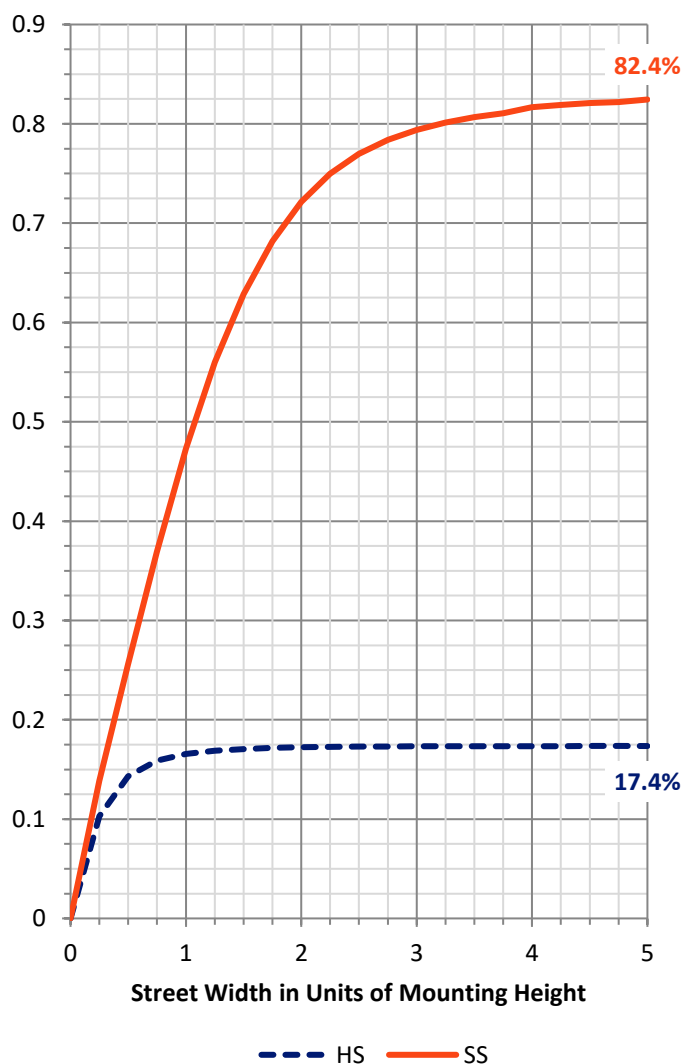
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 936.6 | 0.0 | 936.6 |
| | % Fixture | 17.5 | 0.0 | 17.5 |
| Street Side | Lumens | 4410.4 | 0.0 | 4410.4 |
| | % Fixture | 82.5 | 0.0 | 82.5 |
| Total | Lumens | 5347.0 | 0.0 | 5347.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 134.5 | 2.5 |
| 10°-20° | 263.3 | 4.9 |
| 20°-30° | 387.1 | 7.2 |
| 30°-40° | 578.9 | 10.8 |
| 40°-50° | 856.4 | 16.0 |
| 50°-60° | 1231.0 | 23.0 |
| 60°-70° | 1319.5 | 24.7 |
| 70°-80° | 533.1 | 10.0 |
| 80°-90° | 43.2 | 0.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 5347.0 | 100.0 |
| 0°-180° | 5347.0 | 100.0 |

Coefficient of Utilization



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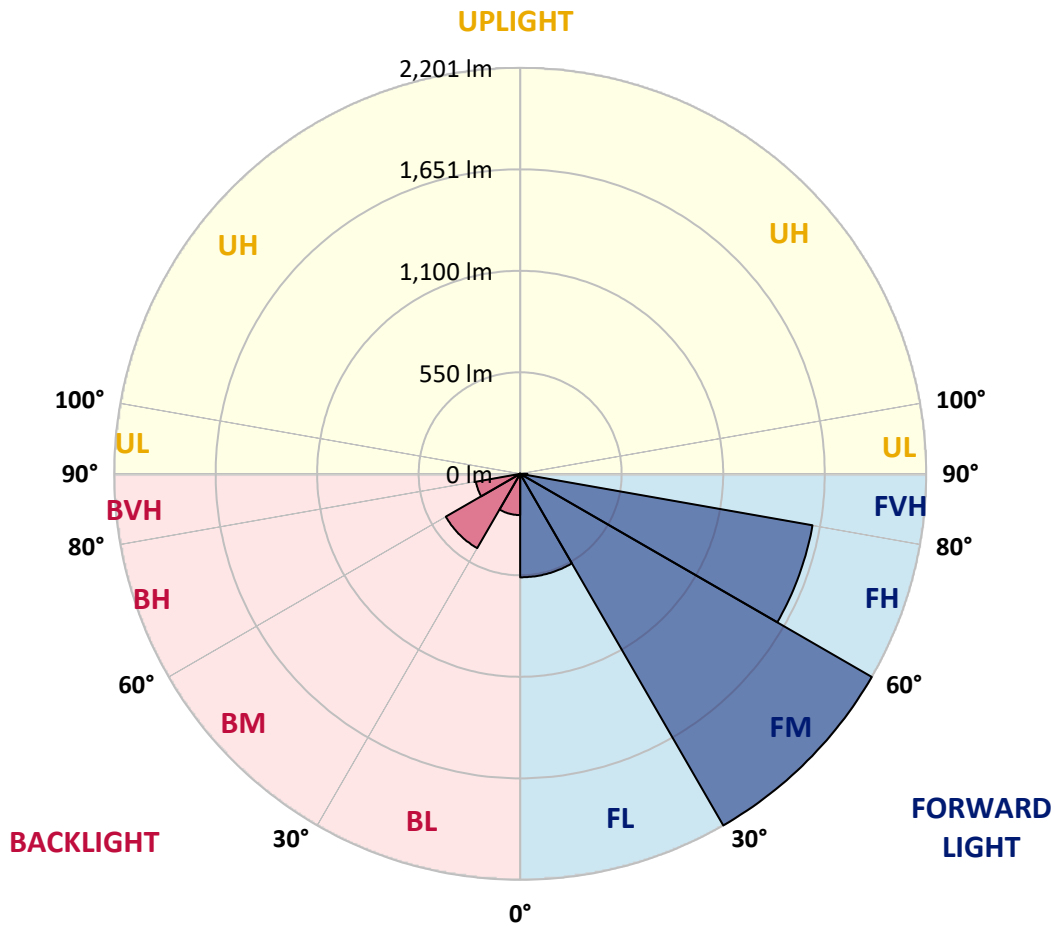
CATALOG NUMBER: ISS-SA1E-760-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 561.2 | 10.5 | | | |
| FM (30°-60°) | 2200.9 | 41.2 | | | |
| FH (60°-80°) | 1609.0 | 30.1 | | | G1/1800 |
| FVH (80°-90°) | 39.2 | 0.7 | | | G1/100 |
| BL (0°-30°) | 223.7 | 4.2 | B1/500 | | |
| BM (30°-60°) | 465.4 | 8.7 | B1/1000 | | |
| BH (60°-80°) | 243.6 | 4.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.9 | 0.1 | | | 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° | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 |
| 2.5° | 1938.4 | 1938.4 | 1953.8 | 2000.3 | 2051.9 | 2077.7 | 2106.1 | 2077.7 | 2072.6 | 2031.3 | 2000.3 |
| 5° | 1879.0 | 1891.9 | 1940.9 | 2064.8 | 2196.5 | 2263.6 | 2299.7 | 2261.0 | 2191.3 | 2101.0 | 1987.4 |
| 7.5° | 1744.8 | 1760.3 | 1817.0 | 2018.4 | 2199.0 | 2333.3 | 2397.8 | 2330.7 | 2211.9 | 2046.8 | 1881.6 |
| 10° | 1600.2 | 1628.6 | 1703.5 | 1933.2 | 2142.3 | 2302.3 | 2392.6 | 2322.9 | 2175.8 | 1964.2 | 1760.3 |
| 12.5° | 1504.7 | 1525.4 | 1626.1 | 1855.8 | 2080.3 | 2222.3 | 2271.3 | 2255.8 | 2121.6 | 1925.5 | 1711.2 |
| 15° | 1489.3 | 1515.1 | 1620.9 | 1850.6 | 2020.9 | 2106.1 | 2124.2 | 2144.8 | 2098.4 | 1930.6 | 1726.7 |
| 17.5° | 1556.4 | 1584.8 | 1703.5 | 1889.3 | 1966.7 | 1966.7 | 1984.8 | 2026.1 | 2070.0 | 1982.2 | 1819.6 |
| 20° | 1693.2 | 1731.9 | 1863.5 | 1990.0 | 1938.4 | 1876.4 | 1879.0 | 1933.2 | 2051.9 | 2098.4 | 1984.8 |
| 22.5° | 1876.4 | 1928.0 | 2088.1 | 2147.4 | 1969.3 | 1827.4 | 1814.5 | 1860.9 | 2054.5 | 2217.1 | 2211.9 |
| 25° | 2119.0 | 2181.0 | 2335.8 | 2333.3 | 2044.2 | 1806.7 | 1793.8 | 1827.4 | 2077.7 | 2346.2 | 2410.7 |
| 27.5° | 2338.4 | 2390.0 | 2544.9 | 2480.4 | 2119.0 | 1832.5 | 1804.1 | 1840.3 | 2095.8 | 2441.7 | 2588.8 |
| 30° | 2524.2 | 2568.1 | 2704.9 | 2586.2 | 2183.6 | 1876.4 | 1827.4 | 1884.2 | 2134.5 | 2493.3 | 2748.8 |
| 32.5° | 2666.2 | 2730.7 | 2857.2 | 2668.8 | 2261.0 | 1933.2 | 1881.6 | 1959.0 | 2199.0 | 2560.4 | 2888.2 |
| 35° | 2857.2 | 2890.8 | 3040.5 | 2751.4 | 2364.2 | 2054.5 | 1971.9 | 2075.2 | 2304.9 | 2648.1 | 3043.0 |
| 37.5° | 3022.4 | 3110.1 | 3208.2 | 2836.6 | 2490.7 | 2204.2 | 2113.9 | 2261.0 | 2449.4 | 2748.8 | 3223.7 |
| 40° | 3218.5 | 3319.2 | 3425.0 | 2957.9 | 2606.8 | 2400.4 | 2361.6 | 2506.2 | 2666.2 | 2895.9 | 3401.8 |
| 42.5° | 3399.2 | 3492.1 | 3564.4 | 3099.8 | 2748.8 | 2622.3 | 2650.7 | 2803.0 | 2888.2 | 3048.2 | 3554.1 |
| 45° | 3543.8 | 3626.4 | 3734.8 | 3197.9 | 2906.2 | 2870.1 | 3014.6 | 3133.4 | 3107.6 | 3179.8 | 3690.9 |
| 47.5° | 3693.5 | 3794.1 | 3838.0 | 3301.1 | 3110.1 | 3195.3 | 3453.4 | 3479.2 | 3337.3 | 3301.1 | 3809.6 |
| 50° | 3796.7 | 3871.5 | 3899.9 | 3427.6 | 3360.5 | 3623.8 | 3830.3 | 3874.1 | 3587.6 | 3396.6 | 3964.5 |
| 52.5° | 3923.2 | 3995.4 | 4029.0 | 3577.3 | 3628.9 | 4008.3 | 4248.4 | 4238.1 | 3830.3 | 3554.1 | 4116.7 |
| 55° | 4147.7 | 4214.8 | 4248.4 | 3760.6 | 3819.9 | 4338.7 | 4604.6 | 4594.2 | 4119.3 | 3781.2 | 4343.9 |
| 57.5° | 4307.7 | 4364.5 | 4418.7 | 3967.0 | 4057.4 | 4550.4 | 4847.2 | 4924.6 | 4467.8 | 4067.7 | 4591.7 |
| 60° | 4235.5 | 4300.0 | 4431.6 | 4201.9 | 4266.4 | 4687.2 | 4940.1 | 5084.6 | 4800.7 | 4429.1 | 4847.2 |
| 62.5° | 4031.6 | 4127.1 | 4263.9 | 4387.8 | 4429.1 | 4710.4 | 4811.0 | 5004.6 | 4978.8 | 4793.0 | 4963.3 |
| 65° | 3773.5 | 3871.5 | 4003.2 | 4413.6 | 4392.9 | 4364.5 | 4423.9 | 4540.0 | 4720.7 | 4968.5 | 4906.5 |
| 67.5° | 3308.9 | 3450.8 | 3616.0 | 4111.6 | 3819.9 | 3657.3 | 3672.8 | 3608.3 | 3972.2 | 4715.5 | 4617.5 |
| 70° | 2694.6 | 2839.1 | 3017.2 | 3487.0 | 2945.0 | 2730.7 | 2784.9 | 2743.6 | 3030.1 | 4047.1 | 3956.7 |
| 72.5° | 1897.1 | 2051.9 | 2271.3 | 2906.2 | 2051.9 | 1706.1 | 1835.1 | 1943.5 | 2284.2 | 3246.9 | 2906.2 |
| 75° | 1257.0 | 1367.9 | 1525.4 | 2188.7 | 1463.4 | 1146.0 | 1174.4 | 1218.2 | 1528.0 | 2454.6 | 1835.1 |
| 77.5° | 650.4 | 761.4 | 831.1 | 1171.8 | 905.9 | 903.4 | 882.7 | 939.5 | 955.0 | 1473.8 | 957.6 |
| 80° | 363.9 | 400.1 | 436.2 | 570.4 | 454.3 | 536.9 | 554.9 | 678.8 | 629.8 | 738.2 | 400.1 |
| 82.5° | 178.1 | 224.5 | 245.2 | 351.0 | 291.7 | 214.2 | 105.8 | 222.0 | 374.2 | 400.1 | 185.8 |
| 85° | 2.6 | 5.2 | 12.9 | 28.4 | 7.7 | 7.7 | 0.0 | 7.7 | 38.7 | 49.0 | 64.5 |
| 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° | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 |
| 2.5° | 1966.7 | 1946.1 | 1886.7 | 1835.1 | 1755.1 | 1721.5 | 1667.3 | 1654.4 | 1610.6 | 1566.7 | 1540.9 |
| 5° | 1930.6 | 1871.2 | 1749.9 | 1631.2 | 1522.8 | 1422.1 | 1347.3 | 1285.4 | 1215.7 | 1187.3 | 1205.3 |
| 7.5° | 1786.1 | 1703.5 | 1528.0 | 1388.6 | 1233.7 | 1117.6 | 1011.8 | 957.6 | 893.0 | 867.2 | 849.2 |
| 10° | 1667.3 | 1566.7 | 1365.4 | 1182.1 | 1035.0 | 944.7 | 880.1 | 802.7 | 727.9 | 668.5 | 660.7 |
| 12.5° | 1592.5 | 1484.1 | 1259.5 | 1066.0 | 957.6 | 869.8 | 795.0 | 694.3 | 609.1 | 552.3 | 526.5 |
| 15° | 1589.9 | 1455.7 | 1226.0 | 1022.1 | 895.6 | 784.6 | 689.1 | 575.6 | 487.8 | 415.5 | 389.7 |
| 17.5° | 1682.8 | 1520.2 | 1241.5 | 975.6 | 807.9 | 663.3 | 539.4 | 420.7 | 335.5 | 286.5 | 260.7 |
| 20° | 1845.4 | 1667.3 | 1269.9 | 929.2 | 722.7 | 539.4 | 379.4 | 286.5 | 229.7 | 206.5 | 196.2 |
| 22.5° | 2041.6 | 1830.0 | 1321.5 | 893.0 | 634.9 | 407.8 | 268.4 | 206.5 | 180.7 | 165.2 | 162.6 |
| 25° | 2279.1 | 2036.4 | 1393.8 | 867.2 | 554.9 | 314.9 | 209.1 | 170.3 | 154.9 | 144.5 | 139.4 |
| 27.5° | 2488.1 | 2235.2 | 1502.2 | 846.6 | 477.5 | 258.1 | 178.1 | 149.7 | 134.2 | 126.5 | 123.9 |
| 30° | 2643.0 | 2397.8 | 1626.1 | 800.1 | 415.5 | 224.5 | 167.8 | 142.0 | 123.9 | 113.6 | 111.0 |
| 32.5° | 2821.1 | 2521.7 | 1685.4 | 753.7 | 379.4 | 198.7 | 147.1 | 126.5 | 113.6 | 103.2 | 100.7 |
| 35° | 3017.2 | 2694.6 | 1744.8 | 717.5 | 356.2 | 178.1 | 134.2 | 111.0 | 95.5 | 85.2 | 82.6 |
| 37.5° | 3244.4 | 2885.6 | 1799.0 | 686.6 | 343.3 | 165.2 | 126.5 | 103.2 | 87.8 | 77.4 | 72.3 |
| 40° | 3497.3 | 3035.3 | 1835.1 | 665.9 | 325.2 | 157.4 | 121.3 | 98.1 | 82.6 | 69.7 | 67.1 |
| 42.5° | 3698.6 | 3208.2 | 1845.4 | 658.2 | 307.1 | 154.9 | 116.1 | 95.5 | 77.4 | 67.1 | 61.9 |
| 45° | 3843.2 | 3360.5 | 1881.6 | 650.4 | 294.2 | 144.5 | 113.6 | 92.9 | 72.3 | 61.9 | 56.8 |
| 47.5° | 3949.0 | 3523.1 | 1915.1 | 642.7 | 281.3 | 131.6 | 121.3 | 92.9 | 69.7 | 56.8 | 51.6 |
| 50° | 4145.1 | 3714.1 | 1979.7 | 622.0 | 263.3 | 118.7 | 121.3 | 90.3 | 67.1 | 54.2 | 49.0 |
| 52.5° | 4356.8 | 3961.9 | 2124.2 | 598.8 | 240.0 | 105.8 | 111.0 | 90.3 | 64.5 | 51.6 | 46.5 |
| 55° | 4558.1 | 4263.9 | 2258.4 | 567.8 | 201.3 | 95.5 | 103.2 | 90.3 | 59.4 | 49.0 | 43.9 |
| 57.5° | 4705.2 | 4465.2 | 2330.7 | 529.1 | 160.0 | 85.2 | 85.2 | 85.2 | 51.6 | 41.3 | 38.7 |
| 60° | 4774.9 | 4444.5 | 2297.1 | 480.1 | 129.1 | 74.8 | 69.7 | 87.8 | 46.5 | 36.1 | 33.6 |
| 62.5° | 4720.7 | 4230.3 | 2150.0 | 428.5 | 113.6 | 64.5 | 56.8 | 77.4 | 41.3 | 31.0 | 28.4 |
| 65° | 4552.9 | 3869.0 | 1904.8 | 387.2 | 111.0 | 54.2 | 46.5 | 46.5 | 33.6 | 25.8 | 23.2 |
| 67.5° | 4137.4 | 3394.1 | 1613.1 | 348.4 | 113.6 | 46.5 | 38.7 | 36.1 | 28.4 | 20.6 | 18.1 |
| 70° | 3440.5 | 2728.2 | 1220.8 | 330.4 | 113.6 | 38.7 | 33.6 | 28.4 | 20.6 | 18.1 | 15.5 |
| 72.5° | 2186.1 | 1693.2 | 846.6 | 291.7 | 113.6 | 31.0 | 28.4 | 25.8 | 15.5 | 12.9 | 7.7 |
| 75° | 1295.7 | 1029.8 | 397.5 | 224.5 | 95.5 | 25.8 | 20.6 | 15.5 | 7.7 | 5.2 | 5.2 |
| 77.5° | 761.4 | 660.7 | 172.9 | 123.9 | 41.3 | 15.5 | 10.3 | 5.2 | 2.6 | 0.0 | 0.0 |
| 80° | 312.3 | 271.0 | 64.5 | 36.1 | 18.1 | 7.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 183.3 | 191.0 | 23.2 | 15.5 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 56.8 | 87.8 | 0.0 | 2.6 | 0.0 | 0.0 | 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° | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 |
| 2.5° | 1538.3 | 1512.5 | 1502.2 | 1486.7 | 1473.8 | 1458.3 | 1478.9 | 1497.0 | 1476.4 | 1499.6 | 1535.7 |
| 5° | 1187.3 | 1148.6 | 1200.2 | 1166.6 | 1184.7 | 1164.0 | 1135.7 | 1140.8 | 1146.0 | 1135.7 | 1164.0 |
| 7.5° | 823.3 | 841.4 | 854.3 | 851.7 | 867.2 | 838.8 | 838.8 | 820.8 | 795.0 | 805.3 | 800.1 |
| 10° | 624.6 | 588.5 | 601.4 | 598.8 | 627.2 | 588.5 | 562.7 | 534.3 | 531.7 | 536.9 | 531.7 |
| 12.5° | 498.1 | 454.3 | 425.9 | 410.4 | 407.8 | 389.7 | 366.5 | 338.1 | 320.0 | 317.5 | 333.0 |
| 15° | 374.2 | 340.7 | 314.9 | 291.7 | 289.1 | 252.9 | 222.0 | 201.3 | 183.3 | 185.8 | 196.2 |
| 17.5° | 258.1 | 247.8 | 240.0 | 219.4 | 206.5 | 175.5 | 149.7 | 136.8 | 131.6 | 131.6 | 134.2 |
| 20° | 188.4 | 183.3 | 178.1 | 170.3 | 157.4 | 134.2 | 118.7 | 113.6 | 111.0 | 111.0 | 113.6 |
| 22.5° | 157.4 | 149.7 | 144.5 | 142.0 | 131.6 | 113.6 | 103.2 | 98.1 | 98.1 | 98.1 | 98.1 |
| 25° | 134.2 | 129.1 | 126.5 | 121.3 | 113.6 | 98.1 | 90.3 | 87.8 | 85.2 | 85.2 | 87.8 |
| 27.5° | 121.3 | 111.0 | 105.8 | 105.8 | 98.1 | 87.8 | 80.0 | 77.4 | 74.8 | 74.8 | 77.4 |
| 30° | 108.4 | 100.7 | 95.5 | 90.3 | 85.2 | 74.8 | 69.7 | 67.1 | 67.1 | 67.1 | 67.1 |
| 32.5° | 95.5 | 90.3 | 85.2 | 80.0 | 72.3 | 67.1 | 61.9 | 59.4 | 56.8 | 56.8 | 56.8 |
| 35° | 77.4 | 72.3 | 72.3 | 69.7 | 61.9 | 56.8 | 51.6 | 49.0 | 46.5 | 49.0 | 49.0 |
| 37.5° | 67.1 | 59.4 | 59.4 | 59.4 | 54.2 | 49.0 | 43.9 | 41.3 | 38.7 | 38.7 | 41.3 |
| 40° | 61.9 | 51.6 | 49.0 | 49.0 | 49.0 | 41.3 | 36.1 | 33.6 | 31.0 | 31.0 | 33.6 |
| 42.5° | 54.2 | 46.5 | 41.3 | 38.7 | 41.3 | 36.1 | 28.4 | 25.8 | 25.8 | 25.8 | 25.8 |
| 45° | 51.6 | 41.3 | 36.1 | 31.0 | 33.6 | 31.0 | 23.2 | 20.6 | 20.6 | 20.6 | 20.6 |
| 47.5° | 46.5 | 36.1 | 31.0 | 23.2 | 23.2 | 23.2 | 18.1 | 15.5 | 15.5 | 15.5 | 15.5 |
| 50° | 43.9 | 33.6 | 23.2 | 20.6 | 18.1 | 18.1 | 15.5 | 12.9 | 10.3 | 10.3 | 12.9 |
| 52.5° | 41.3 | 31.0 | 20.6 | 15.5 | 12.9 | 12.9 | 10.3 | 10.3 | 7.7 | 7.7 | 7.7 |
| 55° | 38.7 | 25.8 | 18.1 | 12.9 | 10.3 | 7.7 | 7.7 | 7.7 | 7.7 | 5.2 | 7.7 |
| 57.5° | 33.6 | 23.2 | 12.9 | 10.3 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 60° | 31.0 | 18.1 | 10.3 | 5.2 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 62.5° | 25.8 | 15.5 | 7.7 | 5.2 | 2.6 | 0.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 65° | 20.6 | 12.9 | 5.2 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 15.5 | 10.3 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 12.9 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 7.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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: P437729
 CATALOG NUMBER: ISS-SA1E-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 | 1804.1 |
| 2.5° | 1533.1 | 1548.6 | 1605.4 | 1657.0 | 1713.8 | 1775.8 | 1827.4 | 1902.2 | 1925.5 | 1938.4 |
| 5° | 1158.9 | 1215.7 | 1285.4 | 1347.3 | 1458.3 | 1561.5 | 1682.8 | 1814.5 | 1868.7 | 1879.0 |
| 7.5° | 836.3 | 875.0 | 949.8 | 1073.7 | 1174.4 | 1329.2 | 1486.7 | 1662.2 | 1744.8 | 1744.8 |
| 10° | 575.6 | 640.1 | 735.6 | 851.7 | 986.0 | 1122.7 | 1306.0 | 1504.7 | 1582.2 | 1600.2 |
| 12.5° | 366.5 | 438.8 | 567.8 | 694.3 | 849.2 | 983.4 | 1166.6 | 1391.2 | 1478.9 | 1504.7 |
| 15° | 211.6 | 260.7 | 379.4 | 518.8 | 704.6 | 875.0 | 1081.5 | 1355.0 | 1463.4 | 1489.3 |
| 17.5° | 142.0 | 160.0 | 224.5 | 345.9 | 552.3 | 779.5 | 1055.6 | 1393.8 | 1525.4 | 1556.4 |
| 20° | 118.7 | 126.5 | 149.7 | 214.2 | 389.7 | 678.8 | 1045.3 | 1478.9 | 1639.0 | 1693.2 |
| 22.5° | 103.2 | 111.0 | 126.5 | 157.4 | 278.8 | 573.0 | 1037.6 | 1602.8 | 1819.6 | 1876.4 |
| 25° | 90.3 | 98.1 | 111.0 | 134.2 | 196.2 | 467.2 | 1050.5 | 1778.3 | 2051.9 | 2119.0 |
| 27.5° | 80.0 | 87.8 | 100.7 | 116.1 | 157.4 | 361.3 | 1053.1 | 1943.5 | 2268.7 | 2338.4 |
| 30° | 69.7 | 77.4 | 87.8 | 100.7 | 126.5 | 278.8 | 1006.6 | 2111.3 | 2444.2 | 2524.2 |
| 32.5° | 61.9 | 67.1 | 77.4 | 87.8 | 105.8 | 216.8 | 911.1 | 2240.3 | 2588.8 | 2666.2 |
| 35° | 51.6 | 56.8 | 67.1 | 74.8 | 92.9 | 175.5 | 805.3 | 2359.1 | 2761.7 | 2857.2 |
| 37.5° | 43.9 | 49.0 | 56.8 | 67.1 | 82.6 | 136.8 | 699.5 | 2462.3 | 2929.5 | 3022.4 |
| 40° | 36.1 | 43.9 | 51.6 | 59.4 | 74.8 | 105.8 | 583.3 | 2573.3 | 3120.5 | 3218.5 |
| 42.5° | 31.0 | 36.1 | 43.9 | 54.2 | 64.5 | 85.2 | 480.1 | 2643.0 | 3283.1 | 3399.2 |
| 45° | 23.2 | 31.0 | 41.3 | 54.2 | 54.2 | 67.1 | 413.0 | 2694.6 | 3399.2 | 3543.8 |
| 47.5° | 18.1 | 25.8 | 36.1 | 51.6 | 49.0 | 56.8 | 379.4 | 2784.9 | 3559.2 | 3693.5 |
| 50° | 15.5 | 20.6 | 36.1 | 43.9 | 41.3 | 49.0 | 389.7 | 2864.9 | 3680.6 | 3796.7 |
| 52.5° | 12.9 | 18.1 | 31.0 | 33.6 | 36.1 | 43.9 | 410.4 | 3012.1 | 3832.8 | 3923.2 |
| 55° | 10.3 | 15.5 | 23.2 | 28.4 | 31.0 | 41.3 | 443.9 | 3195.3 | 4031.6 | 4147.7 |
| 57.5° | 7.7 | 12.9 | 18.1 | 23.2 | 28.4 | 38.7 | 467.2 | 3311.5 | 4217.4 | 4307.7 |
| 60° | 7.7 | 10.3 | 15.5 | 20.6 | 25.8 | 36.1 | 433.6 | 3174.7 | 4137.4 | 4235.5 |
| 62.5° | 5.2 | 10.3 | 12.9 | 18.1 | 20.6 | 28.4 | 320.0 | 2875.3 | 3897.4 | 4031.6 |
| 65° | 2.6 | 7.7 | 10.3 | 12.9 | 15.5 | 20.6 | 183.3 | 2513.9 | 3613.4 | 3773.5 |
| 67.5° | 0.0 | 5.2 | 7.7 | 10.3 | 10.3 | 15.5 | 85.2 | 2028.7 | 3146.3 | 3308.9 |
| 70° | 0.0 | 2.6 | 5.2 | 5.2 | 7.7 | 12.9 | 43.9 | 1432.5 | 2475.2 | 2694.6 |
| 72.5° | 2.6 | 2.6 | 5.2 | 5.2 | 5.2 | 10.3 | 28.4 | 867.2 | 1664.8 | 1897.1 |
| 75° | 2.6 | 2.6 | 2.6 | 2.6 | 5.2 | 7.7 | 18.1 | 557.5 | 1047.9 | 1257.0 |
| 77.5° | 2.6 | 5.2 | 2.6 | 2.6 | 2.6 | 5.2 | 10.3 | 309.7 | 573.0 | 650.4 |
| 80° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 5.2 | 5.2 | 28.4 | 271.0 | 363.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 2.6 | 2.6 | 2.6 | 139.4 | 178.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 2.6 | 2.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 2.6 | 2.6 | 2.6 | 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 | CRI (Ra): | 71.7 | R9: | -27.1 |
| CIE u': | 0.2052 | R1: | 70.6 | R10: | 40.8 |
| CIE v': | 0.4804 | R2: | 74.6 | R11: | 74.6 |
| Duv: | 0.0025 | R3: | 78.3 | R12: | 50.4 |
| CIE x: | 0.3330 | R4: | 73.8 | R13: | 70.0 |
| CIE y: | 0.3466 | R5: | 72.4 | R14: | 87.8 |
| CIE z: | 0.3204 | R6: | 67.5 | | |
| Peak Wavelength (nm): | 442 | R7: | 77.5 | | |
| Dominant Wavelength (nm): | 554 | R8: | 58.9 | | |
| Purity: | 4.1 | | | | |
| 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



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

TM-30-18

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

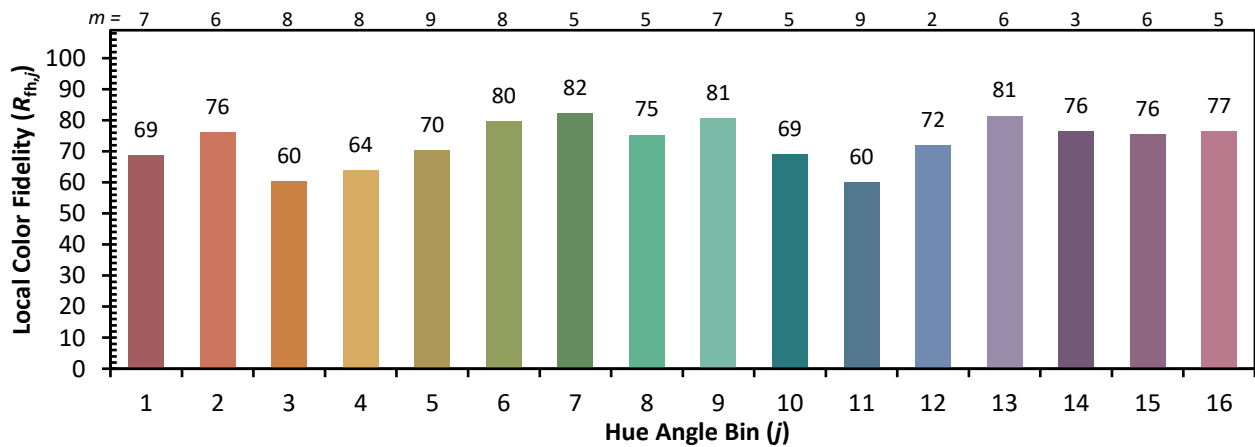
| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 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 | |



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TM-30-18

Color Rendition by Hue-Angle Bin



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TM-30-18

Measure Comparisons



(END OF REPORT)