

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



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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635238

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9259.9 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

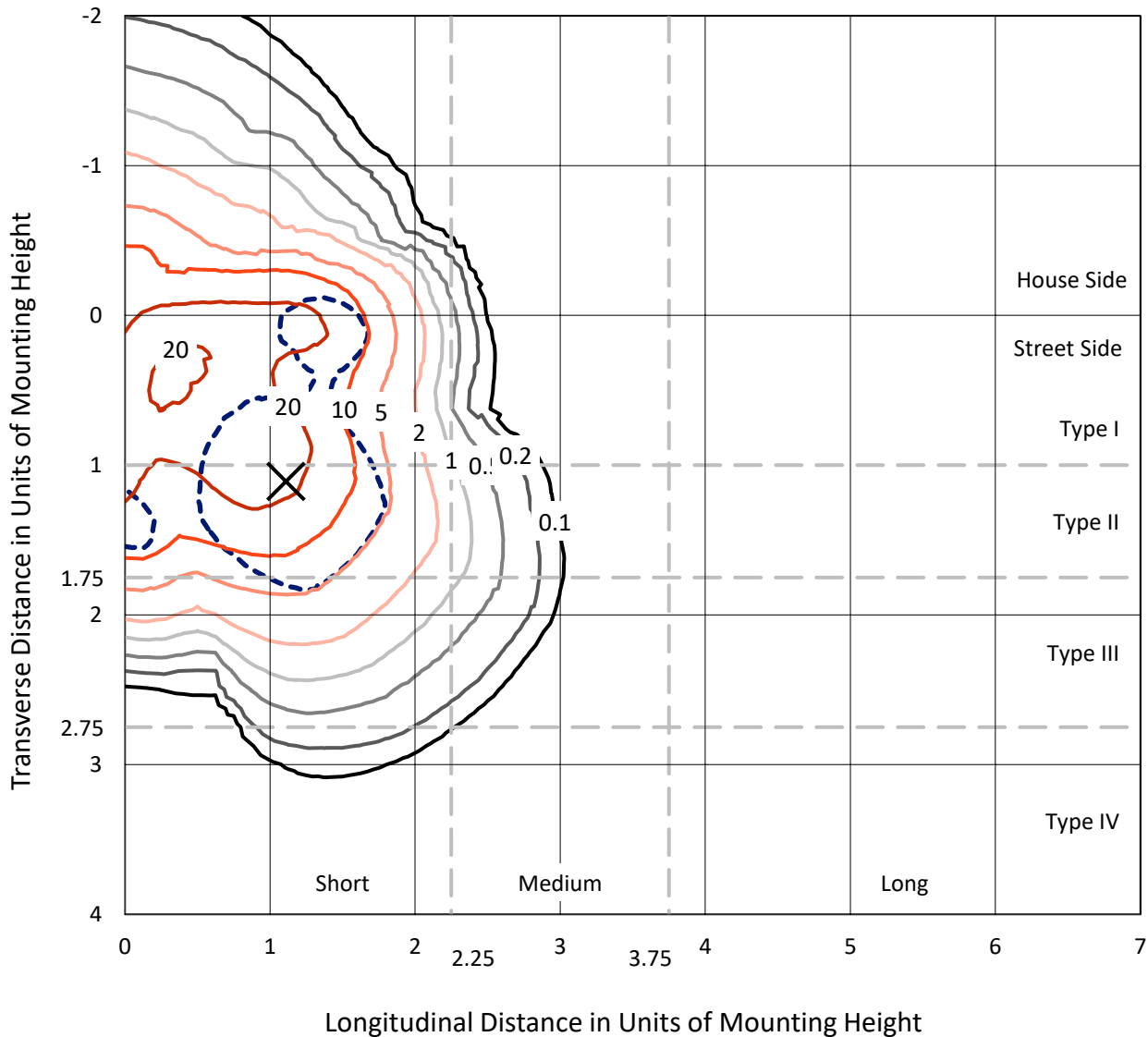
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

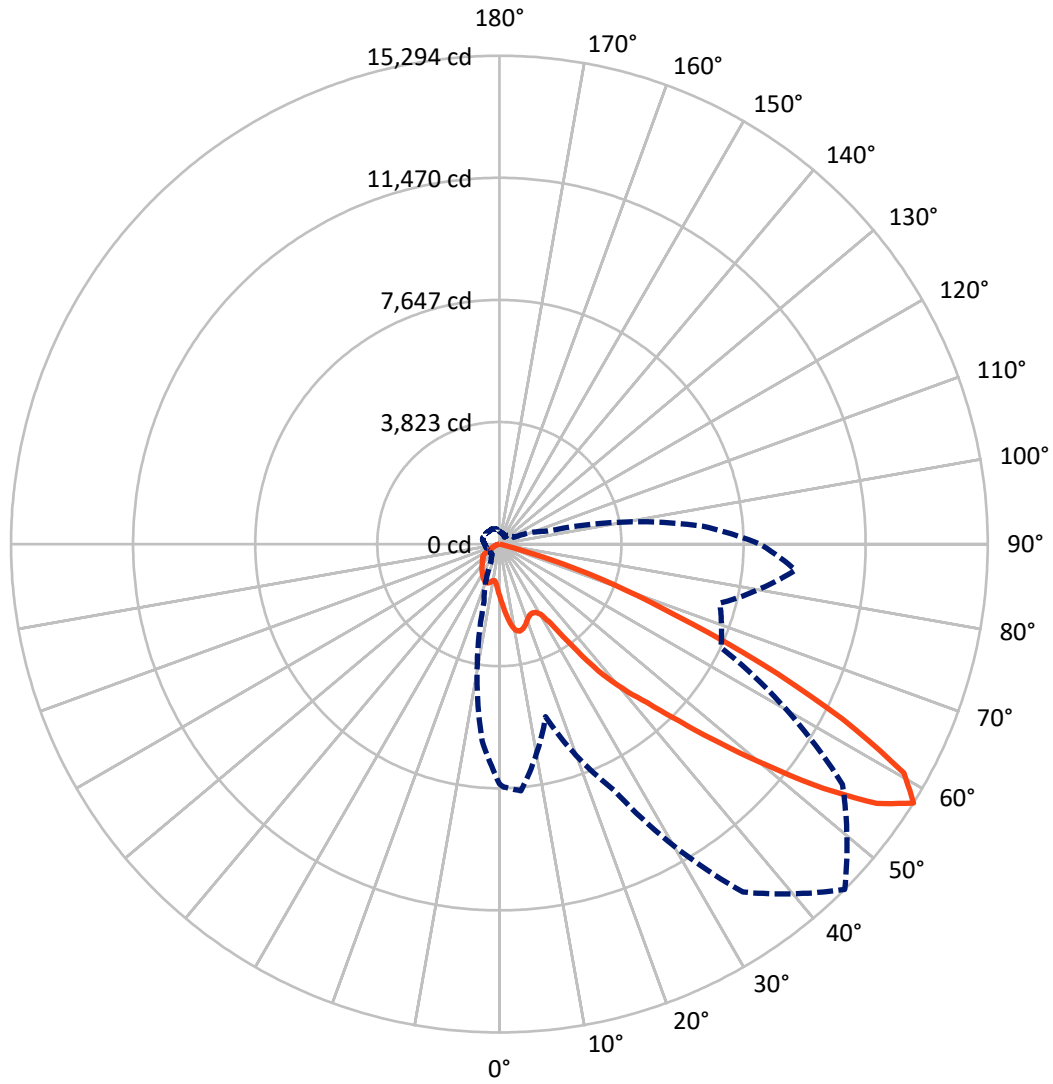
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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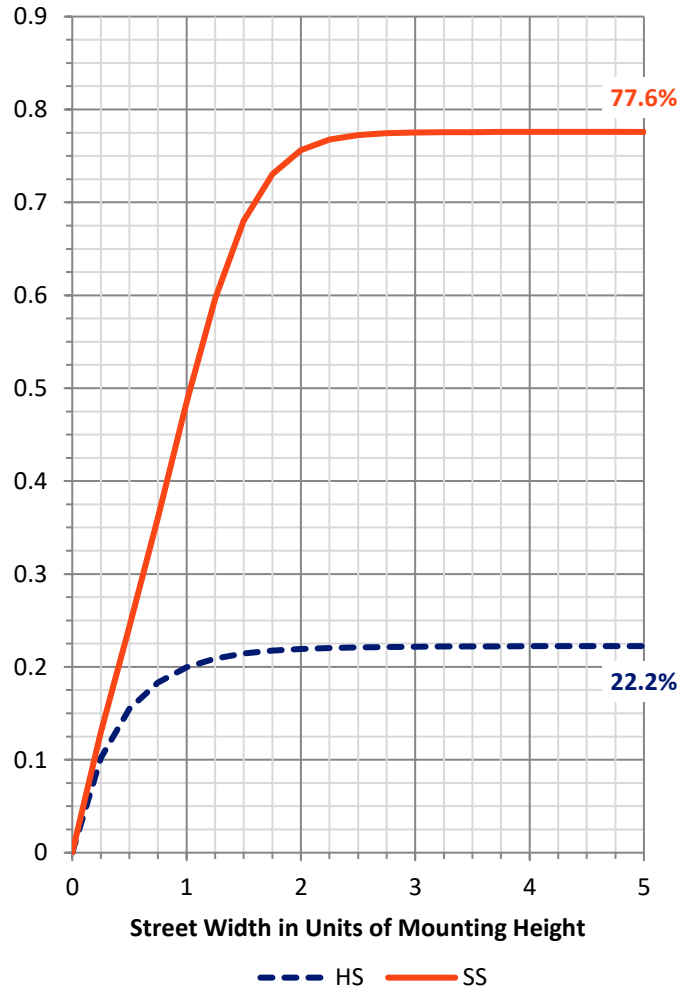
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2073.5 | 0.0 | 2073.5 |
| | % Fixture | 22.4 | 0.0 | 22.4 |
| Street Side | Lumens | 7186.4 | 0.0 | 7186.4 |
| | % Fixture | 77.6 | 0.0 | 77.6 |
| Total | Lumens | 9259.9 | 0.0 | 9259.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 160.1 | 1.7 |
| 10°-20° | 517.9 | 5.6 |
| 20°-30° | 841.4 | 9.1 |
| 30°-40° | 1300.1 | 14.0 |
| 40°-50° | 2084.6 | 22.5 |
| 50°-60° | 2849.1 | 30.8 |
| 60°-70° | 1379.9 | 14.9 |
| 70°-80° | 126.4 | 1.4 |
| 80°-90° | 0.4 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 9259.9 | 100.0 |
| 0°-180° | 9259.9 | 100.0 |

Coefficient of Utilization



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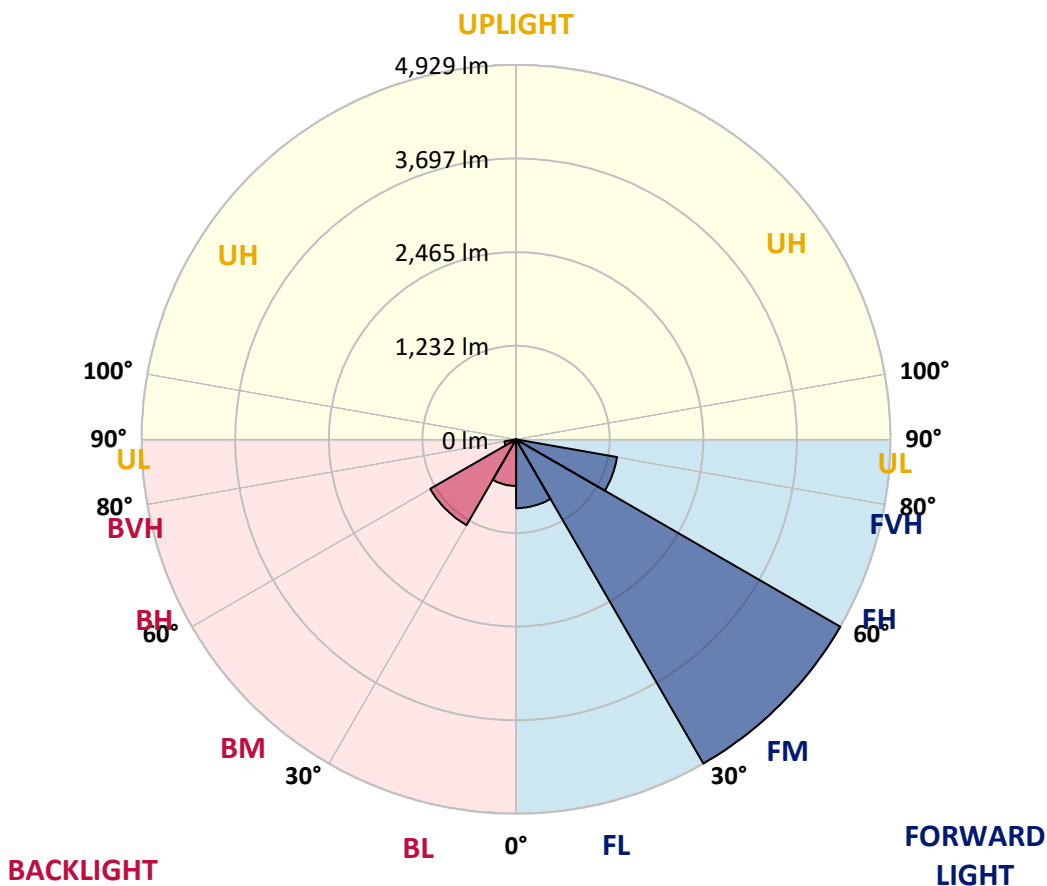
CATALOG NUMBER: GWS-SA3D-735-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 905.9 | 9.8 | | | |
| FM (30°-60°) | 4929.3 | 53.2 | | | |
| FH (60°-80°) | 1350.8 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 0.4 | 0.0 | | | G0/10 |
| BL (0°-30°) | 613.5 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 1304.6 | 14.1 | B2/2500 | | |
| BH (60°-80°) | 155.4 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|---------|
| 0° | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 |
| 2.5° | 1763.2 | 1774.4 | 1793.0 | 1832.8 | 1866.4 | 1888.8 | 1898.8 | 1896.3 | 1882.6 | 1872.7 | 1852.7 |
| 5° | 1952.3 | 1952.3 | 1988.4 | 2079.2 | 2148.9 | 2192.4 | 2214.8 | 2201.1 | 2173.8 | 2130.2 | 2063.0 |
| 7.5° | 2117.8 | 2124.0 | 2185.0 | 2314.4 | 2420.1 | 2482.4 | 2518.4 | 2511.0 | 2462.4 | 2379.1 | 2244.7 |
| 10° | 2247.2 | 2254.6 | 2335.5 | 2493.6 | 2618.0 | 2681.4 | 2734.9 | 2739.9 | 2686.4 | 2575.7 | 2421.4 |
| 12.5° | 2372.9 | 2380.3 | 2464.9 | 2616.7 | 2726.2 | 2752.4 | 2799.6 | 2818.3 | 2804.6 | 2726.2 | 2565.7 |
| 15° | 2508.5 | 2525.9 | 2598.1 | 2711.3 | 2757.3 | 2726.2 | 2757.3 | 2790.9 | 2837.0 | 2829.5 | 2685.2 |
| 17.5° | 2641.6 | 2654.1 | 2727.5 | 2767.3 | 2716.3 | 2635.4 | 2650.3 | 2690.1 | 2794.7 | 2896.7 | 2803.4 |
| 20° | 2764.8 | 2782.2 | 2843.2 | 2790.9 | 2636.6 | 2511.0 | 2512.2 | 2564.5 | 2723.7 | 2937.8 | 2924.1 |
| 22.5° | 2894.2 | 2920.3 | 2963.9 | 2817.1 | 2563.2 | 2412.7 | 2418.9 | 2466.2 | 2667.8 | 2976.3 | 3060.9 |
| 25° | 3063.4 | 3088.3 | 3116.9 | 2881.8 | 2539.6 | 2364.1 | 2387.8 | 2431.3 | 2667.8 | 3042.3 | 3230.2 |
| 27.5° | 3292.4 | 3309.8 | 3311.0 | 3002.5 | 2580.7 | 2371.6 | 2421.4 | 2471.2 | 2747.4 | 3174.2 | 3456.6 |
| 30° | 3579.8 | 3607.2 | 3571.1 | 3190.4 | 2708.8 | 2471.2 | 2544.6 | 2606.8 | 2919.1 | 3396.9 | 3790.1 |
| 32.5° | 3929.5 | 3968.0 | 3919.5 | 3469.1 | 2976.3 | 2814.6 | 2947.7 | 2983.8 | 3192.8 | 3719.2 | 4168.4 |
| 35° | 4340.1 | 4372.4 | 4320.2 | 3854.8 | 3601.0 | 3630.8 | 3872.2 | 3826.2 | 3742.8 | 4116.1 | 4610.1 |
| 37.5° | 4790.5 | 4820.4 | 4719.6 | 4439.6 | 4524.2 | 4653.6 | 5039.4 | 4881.3 | 4612.6 | 4627.5 | 5089.1 |
| 40° | 5203.6 | 5236.0 | 5077.9 | 5075.4 | 5249.6 | 5486.1 | 5951.4 | 5733.7 | 5367.9 | 5296.9 | 5538.3 |
| 42.5° | 5631.6 | 5654.0 | 5510.9 | 5413.9 | 5809.6 | 6296.1 | 6788.8 | 6495.2 | 5868.1 | 5790.9 | 6100.7 |
| 45° | 6242.6 | 6289.9 | 6034.8 | 5580.6 | 6313.5 | 7228.1 | 7914.9 | 7341.3 | 6209.0 | 6146.8 | 6961.8 |
| 47.5° | 7141.0 | 7175.8 | 6655.7 | 5685.1 | 6782.6 | 8389.0 | 9322.2 | 8438.8 | 6508.9 | 6367.0 | 8138.9 |
| 50° | 7883.8 | 7907.4 | 7226.8 | 5799.6 | 7281.6 | 9640.7 | 10926.1 | 9740.3 | 6846.1 | 6731.6 | 9237.6 |
| 52.5° | 8431.3 | 8520.9 | 7977.1 | 6034.8 | 7937.3 | 11112.7 | 12701.7 | 11281.9 | 7372.4 | 7435.9 | 10148.4 |
| 55° | 8544.5 | 8666.5 | 8489.8 | 6179.1 | 8514.7 | 12612.1 | 14341.6 | 12661.9 | 7897.5 | 7969.7 | 10454.5 |
| 57.5° | 7509.3 | 7606.3 | 7753.1 | 5596.8 | 8501.0 | 13298.9 | 15293.5 | 13119.8 | 7658.6 | 7147.2 | 9308.5 |
| 60° | 5625.4 | 5692.6 | 5958.9 | 4277.9 | 7817.9 | 12691.7 | 14551.9 | 12340.8 | 6696.8 | 5453.7 | 7092.4 |
| 62.5° | 3335.9 | 3365.8 | 3703.0 | 2771.0 | 6489.0 | 10929.8 | 12068.3 | 10648.6 | 5292.0 | 3668.2 | 4343.8 |
| 65° | 1280.4 | 1267.9 | 1525.5 | 1367.5 | 4771.8 | 8706.3 | 8976.3 | 8117.7 | 3630.8 | 1681.0 | 1656.1 |
| 67.5° | 197.8 | 189.1 | 255.1 | 404.4 | 3441.7 | 6033.5 | 5922.8 | 5850.6 | 2274.6 | 392.0 | 342.2 |
| 70° | 44.8 | 44.8 | 54.7 | 119.5 | 2102.8 | 3545.0 | 3793.8 | 3617.1 | 1455.8 | 83.4 | 44.8 |
| 72.5° | 21.2 | 21.2 | 26.1 | 51.0 | 761.5 | 1460.8 | 1702.2 | 1676.1 | 472.8 | 27.4 | 16.2 |
| 75° | 7.5 | 8.7 | 8.7 | 11.2 | 46.0 | 75.9 | 174.2 | 124.4 | 29.9 | 0.0 | 0.0 |
| 77.5° | 2.5 | 2.5 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 1.2 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 |
| 2.5° | 1809.2 | 1800.5 | 1768.1 | 1724.6 | 1682.3 | 1644.9 | 1606.4 | 1560.3 | 1526.7 | 1488.2 | 1475.7 |
| 5° | 2010.8 | 1956.0 | 1867.7 | 1775.6 | 1691.0 | 1618.8 | 1549.1 | 1474.5 | 1419.7 | 1365.0 | 1346.3 |
| 7.5° | 2181.2 | 2100.4 | 1957.3 | 1819.1 | 1703.4 | 1601.4 | 1500.6 | 1398.6 | 1318.9 | 1254.2 | 1234.3 |
| 10° | 2334.3 | 2241.0 | 2049.3 | 1878.9 | 1733.3 | 1615.1 | 1493.1 | 1365.0 | 1261.7 | 1184.6 | 1165.9 |
| 12.5° | 2466.2 | 2357.9 | 2127.7 | 1923.7 | 1745.7 | 1610.1 | 1491.9 | 1389.9 | 1296.5 | 1208.2 | 1184.6 |
| 15° | 2576.9 | 2457.5 | 2193.7 | 1953.5 | 1727.1 | 1547.9 | 1444.6 | 1428.4 | 1421.0 | 1323.9 | 1277.9 |
| 17.5° | 2685.2 | 2550.8 | 2247.2 | 1967.2 | 1674.8 | 1438.4 | 1363.7 | 1437.2 | 1515.5 | 1452.1 | 1393.6 |
| 20° | 2798.4 | 2645.4 | 2301.9 | 1969.7 | 1587.7 | 1315.2 | 1302.8 | 1418.5 | 1518.0 | 1498.1 | 1443.4 |
| 22.5° | 2931.5 | 2763.6 | 2370.4 | 1968.5 | 1478.2 | 1210.7 | 1258.0 | 1382.4 | 1463.3 | 1462.0 | 1418.5 |
| 25° | 3124.4 | 2912.9 | 2462.4 | 1975.9 | 1358.8 | 1129.8 | 1208.2 | 1321.4 | 1387.4 | 1384.9 | 1348.8 |
| 27.5° | 3331.0 | 3090.8 | 2581.9 | 1994.6 | 1256.7 | 1082.5 | 1149.7 | 1238.1 | 1295.3 | 1292.8 | 1261.7 |
| 30° | 3620.9 | 3296.1 | 2696.4 | 1995.8 | 1183.3 | 1057.6 | 1085.0 | 1146.0 | 1200.7 | 1194.5 | 1170.9 |
| 32.5° | 3973.0 | 3527.6 | 2792.2 | 1924.9 | 1137.3 | 1034.0 | 1017.8 | 1048.9 | 1091.2 | 1082.5 | 1076.3 |
| 35° | 4398.6 | 3802.5 | 2874.3 | 1769.4 | 1066.4 | 986.7 | 943.2 | 949.4 | 979.3 | 984.2 | 981.7 |
| 37.5° | 4883.8 | 4129.8 | 2976.3 | 1564.1 | 970.5 | 918.3 | 859.8 | 854.8 | 872.2 | 888.4 | 900.9 |
| 40° | 5362.9 | 4498.1 | 3114.4 | 1356.3 | 883.4 | 831.2 | 775.2 | 762.7 | 770.2 | 798.8 | 825.0 |
| 42.5° | 5901.7 | 4924.9 | 3263.8 | 1178.3 | 823.7 | 735.4 | 681.9 | 658.2 | 679.4 | 725.4 | 756.5 |
| 45° | 6678.1 | 5523.4 | 3409.3 | 1036.5 | 798.8 | 650.8 | 578.6 | 576.1 | 599.7 | 659.5 | 694.3 |
| 47.5° | 7768.1 | 6297.3 | 3505.2 | 925.7 | 797.6 | 584.8 | 499.0 | 513.9 | 541.3 | 599.7 | 639.6 |
| 50° | 8830.7 | 7266.6 | 3399.4 | 841.1 | 771.5 | 541.3 | 439.2 | 469.1 | 496.5 | 547.5 | 588.5 |
| 52.5° | 9471.5 | 7788.0 | 2987.5 | 761.5 | 690.6 | 521.4 | 380.8 | 433.0 | 438.0 | 484.0 | 527.6 |
| 55° | 9404.3 | 7450.8 | 2288.2 | 638.3 | 571.1 | 492.7 | 319.8 | 390.7 | 393.2 | 428.0 | 465.4 |
| 57.5° | 8162.5 | 6396.9 | 1571.5 | 517.6 | 429.3 | 406.9 | 263.8 | 329.7 | 353.4 | 374.5 | 401.9 |
| 60° | 6083.3 | 4667.3 | 700.5 | 420.6 | 272.5 | 275.0 | 225.2 | 248.9 | 284.9 | 309.8 | 333.5 |
| 62.5° | 3584.8 | 2685.2 | 284.9 | 252.6 | 150.6 | 173.0 | 181.7 | 181.7 | 204.1 | 222.7 | 237.7 |
| 65° | 1355.0 | 939.4 | 115.7 | 126.9 | 78.4 | 80.9 | 107.0 | 131.9 | 149.3 | 165.5 | 185.4 |
| 67.5° | 237.7 | 164.2 | 59.7 | 47.3 | 46.0 | 41.1 | 54.7 | 85.9 | 95.8 | 108.3 | 117.0 |
| 70° | 39.8 | 33.6 | 24.9 | 23.6 | 21.2 | 22.4 | 36.1 | 61.0 | 67.2 | 70.9 | 74.7 |
| 72.5° | 11.2 | 10.0 | 7.5 | 6.2 | 5.0 | 6.2 | 22.4 | 47.3 | 49.8 | 52.3 | 56.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 33.6 | 36.1 | 37.3 | 41.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 10.0 | 12.4 | 10.0 |
| 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 |



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

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 |
| 2.5° | 1468.3 | 1443.4 | 1429.7 | 1422.2 | 1422.2 | 1412.3 | 1401.1 | 1397.3 | 1413.5 | 1413.5 | 1440.9 |
| 5° | 1322.7 | 1302.8 | 1280.4 | 1266.7 | 1245.5 | 1249.3 | 1236.8 | 1235.6 | 1251.8 | 1259.2 | 1287.8 |
| 7.5° | 1221.9 | 1197.0 | 1183.3 | 1174.6 | 1163.4 | 1158.4 | 1147.2 | 1143.5 | 1152.2 | 1164.7 | 1192.0 |
| 10° | 1154.7 | 1151.0 | 1149.7 | 1155.9 | 1155.9 | 1149.7 | 1139.8 | 1133.5 | 1136.0 | 1159.7 | 1190.8 |
| 12.5° | 1172.1 | 1179.6 | 1182.1 | 1192.0 | 1197.0 | 1192.0 | 1184.6 | 1187.0 | 1203.2 | 1246.8 | 1292.8 |
| 15° | 1248.0 | 1241.8 | 1239.3 | 1244.3 | 1248.0 | 1243.0 | 1240.6 | 1259.2 | 1315.2 | 1377.4 | 1429.7 |
| 17.5° | 1328.9 | 1289.1 | 1271.7 | 1271.7 | 1274.1 | 1271.7 | 1274.1 | 1310.2 | 1401.1 | 1463.3 | 1501.9 |
| 20° | 1370.0 | 1296.5 | 1269.2 | 1263.0 | 1267.9 | 1269.2 | 1277.9 | 1318.9 | 1418.5 | 1462.0 | 1470.7 |
| 22.5° | 1357.5 | 1265.4 | 1234.3 | 1229.4 | 1234.3 | 1239.3 | 1248.0 | 1282.9 | 1376.2 | 1398.6 | 1394.8 |
| 25° | 1295.3 | 1204.5 | 1179.6 | 1179.6 | 1190.8 | 1189.5 | 1193.3 | 1218.2 | 1295.3 | 1309.0 | 1302.8 |
| 27.5° | 1216.9 | 1131.1 | 1109.9 | 1122.3 | 1132.3 | 1129.8 | 1131.1 | 1152.2 | 1209.4 | 1213.2 | 1207.0 |
| 30° | 1137.3 | 1062.6 | 1042.7 | 1057.6 | 1071.3 | 1068.8 | 1070.1 | 1091.2 | 1127.3 | 1123.6 | 1114.9 |
| 32.5° | 1056.4 | 1001.7 | 986.7 | 995.4 | 1016.6 | 1014.1 | 1019.1 | 1041.5 | 1055.2 | 1039.0 | 1029.0 |
| 35° | 981.7 | 953.1 | 941.9 | 946.9 | 963.1 | 966.8 | 975.5 | 990.5 | 990.5 | 970.5 | 953.1 |
| 37.5° | 912.1 | 908.3 | 900.9 | 894.6 | 909.6 | 920.8 | 933.2 | 950.6 | 925.7 | 897.1 | 881.0 |
| 40° | 847.4 | 863.5 | 853.6 | 837.4 | 846.1 | 862.3 | 887.2 | 900.9 | 871.0 | 842.4 | 815.0 |
| 42.5° | 787.6 | 815.0 | 811.3 | 791.4 | 798.8 | 813.8 | 842.4 | 853.6 | 818.7 | 786.4 | 760.3 |
| 45° | 730.4 | 769.0 | 771.5 | 746.6 | 754.0 | 769.0 | 802.6 | 806.3 | 761.5 | 726.7 | 708.0 |
| 47.5° | 680.6 | 722.9 | 724.2 | 705.5 | 708.0 | 729.2 | 760.3 | 761.5 | 710.5 | 678.1 | 654.5 |
| 50° | 633.3 | 681.9 | 685.6 | 669.4 | 671.9 | 696.8 | 722.9 | 718.0 | 663.2 | 629.6 | 608.5 |
| 52.5° | 576.1 | 642.1 | 650.8 | 643.3 | 653.3 | 673.2 | 689.3 | 671.9 | 608.5 | 574.9 | 556.2 |
| 55° | 513.9 | 599.7 | 618.4 | 613.4 | 624.6 | 640.8 | 644.5 | 633.3 | 553.7 | 520.1 | 502.7 |
| 57.5° | 441.7 | 494.0 | 526.3 | 516.4 | 525.1 | 541.3 | 552.5 | 543.8 | 484.0 | 457.9 | 443.0 |
| 60° | 365.8 | 400.7 | 408.1 | 392.0 | 384.5 | 413.1 | 439.2 | 428.0 | 377.0 | 360.8 | 343.4 |
| 62.5° | 267.5 | 307.3 | 312.3 | 291.2 | 282.5 | 313.6 | 336.0 | 324.8 | 268.8 | 251.3 | 237.7 |
| 65° | 214.0 | 251.3 | 261.3 | 241.4 | 236.4 | 260.1 | 273.7 | 246.4 | 206.6 | 187.9 | 173.0 |
| 67.5° | 140.6 | 170.5 | 196.6 | 195.4 | 185.4 | 192.9 | 182.9 | 160.5 | 131.9 | 121.9 | 112.0 |
| 70° | 87.1 | 104.5 | 120.7 | 126.9 | 125.7 | 123.2 | 109.5 | 93.3 | 84.6 | 80.9 | 75.9 |
| 72.5° | 67.2 | 84.6 | 97.1 | 100.8 | 102.0 | 98.3 | 87.1 | 72.2 | 63.5 | 58.5 | 54.7 |
| 75° | 49.8 | 63.5 | 73.4 | 78.4 | 80.9 | 78.4 | 67.2 | 57.2 | 48.5 | 44.8 | 41.1 |
| 77.5° | 17.4 | 21.2 | 26.1 | 28.6 | 27.4 | 26.1 | 23.6 | 23.6 | 18.7 | 17.4 | 14.9 |
| 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: P635238

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

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 | 1627.5 |
| 2.5° | 1472.0 | 1494.4 | 1535.4 | 1572.8 | 1612.6 | 1653.7 | 1698.5 | 1744.5 | 1765.6 | 1763.2 |
| 5° | 1331.4 | 1379.9 | 1447.1 | 1520.5 | 1602.6 | 1691.0 | 1789.3 | 1890.1 | 1933.6 | 1952.3 |
| 7.5° | 1243.0 | 1311.5 | 1399.8 | 1493.1 | 1601.4 | 1727.1 | 1875.1 | 2033.2 | 2096.6 | 2117.8 |
| 10° | 1254.2 | 1333.9 | 1407.3 | 1498.1 | 1613.8 | 1776.8 | 1961.0 | 2148.9 | 2223.5 | 2247.2 |
| 12.5° | 1345.1 | 1362.5 | 1382.4 | 1457.1 | 1602.6 | 1814.2 | 2039.4 | 2263.4 | 2349.2 | 2372.9 |
| 15° | 1427.2 | 1346.3 | 1309.0 | 1377.4 | 1562.8 | 1840.3 | 2119.0 | 2386.5 | 2481.1 | 2508.5 |
| 17.5° | 1430.9 | 1309.0 | 1225.6 | 1279.1 | 1498.1 | 1851.5 | 2197.4 | 2512.2 | 2615.5 | 2641.6 |
| 20° | 1384.9 | 1267.9 | 1160.9 | 1162.2 | 1409.8 | 1849.0 | 2262.1 | 2625.4 | 2741.2 | 2764.8 |
| 22.5° | 1317.7 | 1219.4 | 1108.7 | 1070.1 | 1315.2 | 1844.0 | 2333.0 | 2746.1 | 2871.8 | 2894.2 |
| 25° | 1243.0 | 1157.2 | 1058.9 | 1000.4 | 1220.6 | 1849.0 | 2432.6 | 2904.2 | 3042.3 | 3063.4 |
| 27.5° | 1162.2 | 1088.8 | 1020.3 | 973.0 | 1141.0 | 1867.7 | 2552.0 | 3105.7 | 3270.0 | 3292.4 |
| 30° | 1077.6 | 1022.8 | 995.4 | 966.8 | 1091.2 | 1872.7 | 2681.4 | 3340.9 | 3548.7 | 3579.8 |
| 32.5° | 994.2 | 964.3 | 965.6 | 970.5 | 1044.0 | 1837.8 | 2799.6 | 3602.2 | 3879.7 | 3929.5 |
| 35° | 917.0 | 908.3 | 933.2 | 958.1 | 975.5 | 1748.2 | 2902.9 | 3910.8 | 4289.1 | 4340.1 |
| 37.5° | 851.1 | 858.6 | 889.7 | 914.6 | 900.9 | 1621.3 | 3039.8 | 4296.5 | 4747.0 | 4790.5 |
| 40° | 787.6 | 806.3 | 842.4 | 853.6 | 843.6 | 1473.2 | 3204.0 | 4668.6 | 5143.9 | 5203.6 |
| 42.5° | 729.2 | 742.8 | 793.9 | 796.3 | 827.5 | 1322.7 | 3362.1 | 5069.2 | 5600.5 | 5631.6 |
| 45° | 681.9 | 679.4 | 731.6 | 747.8 | 848.6 | 1155.9 | 3516.4 | 5603.0 | 6197.8 | 6242.6 |
| 47.5° | 635.8 | 633.3 | 645.8 | 719.2 | 857.3 | 1001.7 | 3669.4 | 6384.4 | 7063.8 | 7141.0 |
| 50° | 592.3 | 596.0 | 557.4 | 705.5 | 810.0 | 883.4 | 3739.1 | 7107.4 | 7851.4 | 7883.8 |
| 52.5° | 553.7 | 540.0 | 472.8 | 660.7 | 709.2 | 771.5 | 3541.2 | 7435.9 | 8339.2 | 8431.3 |
| 55° | 499.0 | 423.1 | 389.5 | 536.3 | 559.9 | 673.2 | 2900.4 | 7245.5 | 8381.5 | 8544.5 |
| 57.5° | 426.8 | 332.2 | 331.0 | 395.7 | 395.7 | 624.6 | 1857.7 | 6190.3 | 7223.1 | 7509.3 |
| 60° | 328.5 | 257.6 | 273.7 | 275.0 | 253.8 | 455.4 | 1042.7 | 4484.4 | 5340.5 | 5625.4 |
| 62.5° | 233.9 | 196.6 | 206.6 | 164.2 | 145.6 | 227.7 | 500.2 | 2581.9 | 3296.1 | 3335.9 |
| 65° | 156.8 | 133.1 | 108.3 | 90.8 | 89.6 | 97.1 | 206.6 | 933.2 | 1134.8 | 1280.4 |
| 67.5° | 103.3 | 80.9 | 57.2 | 57.2 | 64.7 | 64.7 | 78.4 | 154.3 | 216.5 | 197.8 |
| 70° | 67.2 | 56.0 | 36.1 | 34.8 | 42.3 | 42.3 | 39.8 | 42.3 | 44.8 | 44.8 |
| 72.5° | 49.8 | 42.3 | 21.2 | 18.7 | 23.6 | 24.9 | 22.4 | 21.2 | 21.2 | 21.2 |
| 75° | 37.3 | 29.9 | 12.4 | 8.7 | 11.2 | 14.9 | 12.4 | 8.7 | 8.7 | 7.5 |
| 77.5° | 14.9 | 11.2 | 5.0 | 3.7 | 6.2 | 8.7 | 7.5 | 3.7 | 2.5 | 2.5 |
| 80° | 1.2 | 2.5 | 2.5 | 2.5 | 3.7 | 5.0 | 6.2 | 2.5 | 1.2 | 1.2 |
| 82.5° | 0.0 | 1.2 | 1.2 | 1.2 | 2.5 | 3.7 | 5.0 | 2.5 | 1.2 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 3.7 | 2.5 | 1.2 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 3.7 | 2.5 | 1.2 | 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 |

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

Report Prepared for

Cooper Lighting Solutions

All Brands

Data applicable to all product families using SA light engines

Report Number: SP1-2101-121-7

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

Test Date: 03/04/2021

Test Information

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

PROGRAMMED @ 615mA.

Spectral Parameters

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



Test Conditions

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

REPORT NUMBER: SP1-2101-121-7

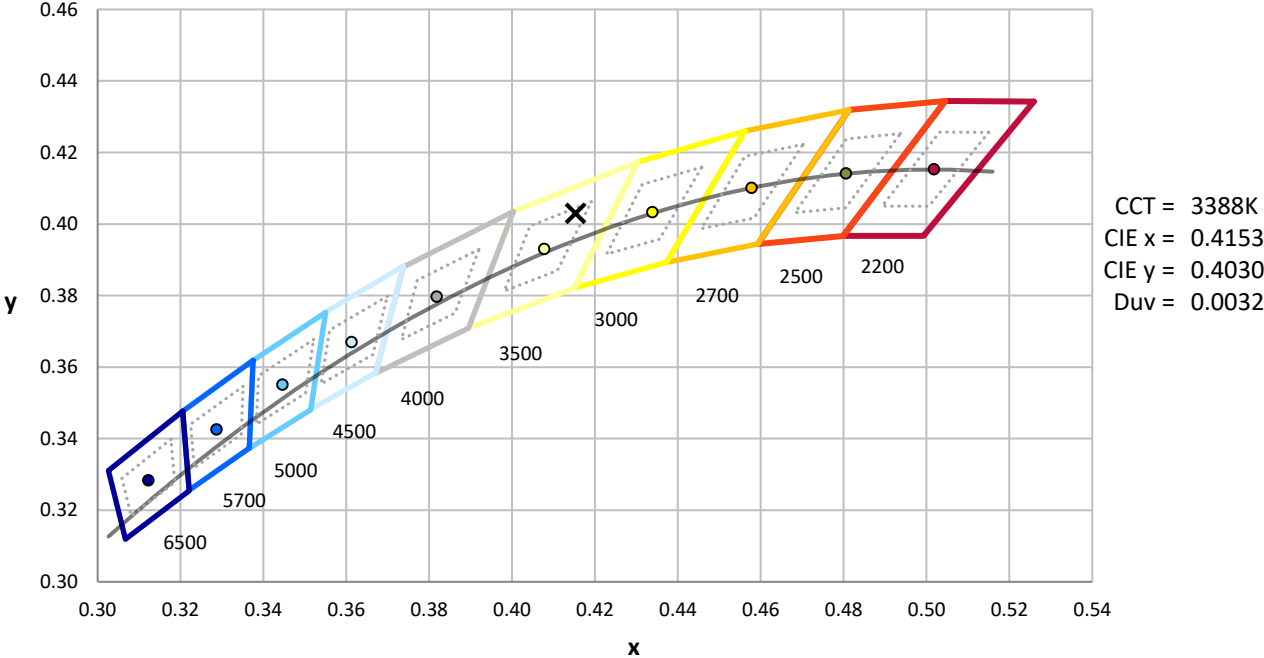
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020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

REPORT NUMBER: SP1-2101-121-7

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-7

Photopic Flux vs. Wavelength



#####

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

REPORT NUMBER: SP1-2101-121-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: 12126

S/P: 1.36

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

REPORT NUMBER: SP1-2101-121-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: 4490.7 M/P: 0.5

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

Summary

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



Color Vector Graphics



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

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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)