

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: P640679

Luminaire Tested: GWS-SA5E-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19854.1 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

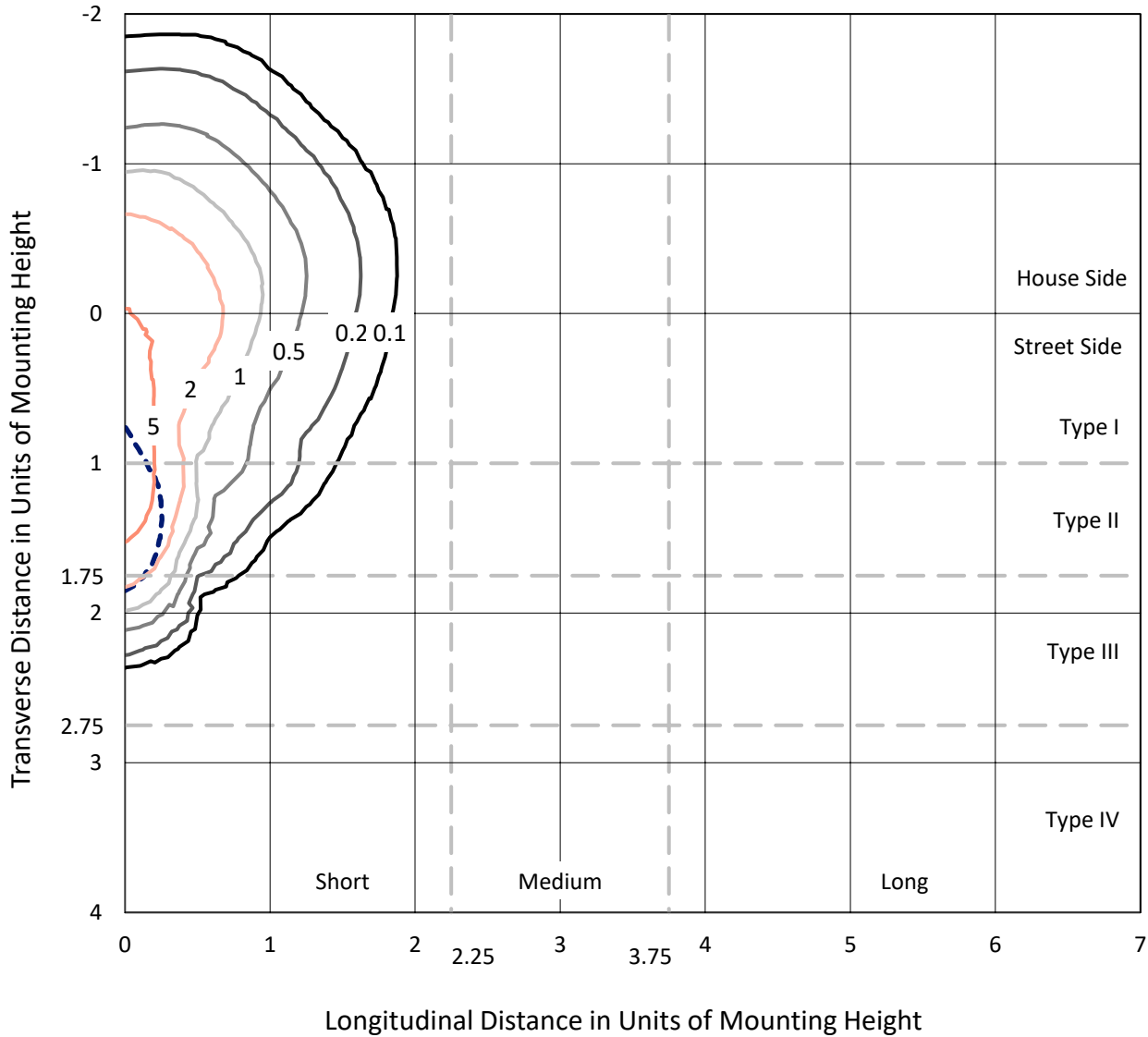
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640679
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Iso-Footcandle Lines of Horizontal Illumination

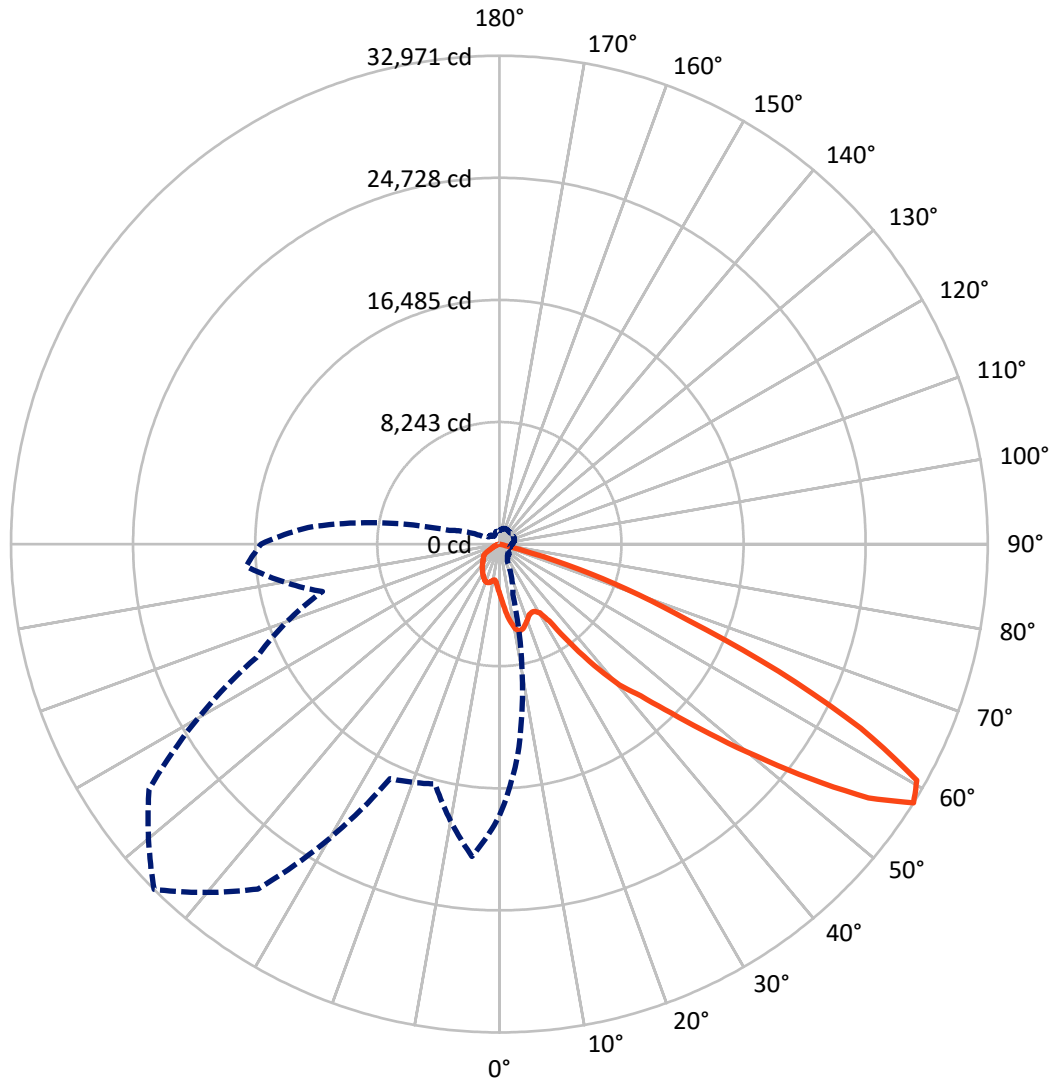
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4277.2 | 0.0 | 4277.2 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 15576.9 | 0.0 | 15576.9 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 19854.1 | 0.0 | 19854.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 333.4 | 1.7 |
| 10°-20° | 1097.1 | 5.5 |
| 20°-30° | 1780.6 | 9.0 |
| 30°-40° | 2732.7 | 13.8 |
| 40°-50° | 4364.4 | 22.0 |
| 50°-60° | 6110.9 | 30.8 |
| 60°-70° | 3133.2 | 15.8 |
| 70°-80° | 301.7 | 1.5 |
| 80°-90° | 0.0 | 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° | 19854.1 | 100.0 |
| 0°-180° | 19854.1 | 100.0 |

Coefficient of Utilization



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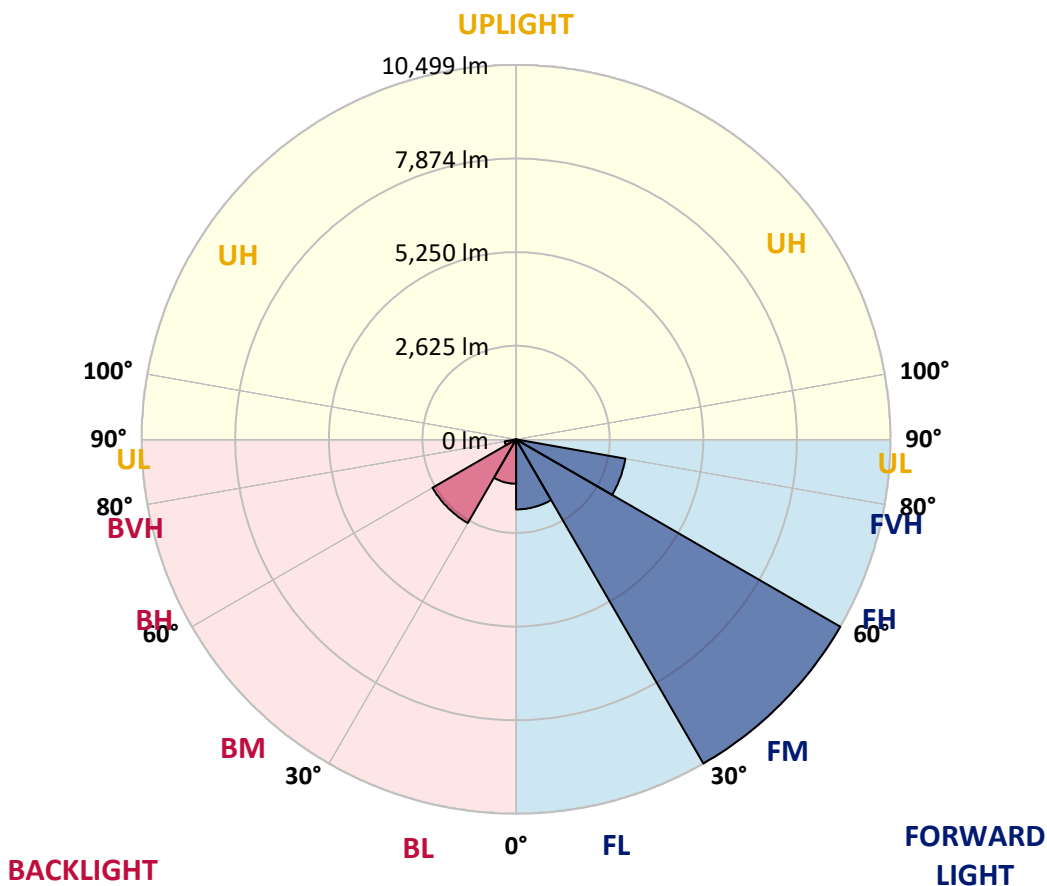
CATALOG NUMBER: GWS-SA5E-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1965.7 | 9.9 | | | |
| FM (30°-60°) | 10499.3 | 52.9 | | | |
| FH (60°-80°) | 3111.9 | 15.7 | | | G2/5000 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1245.5 | 6.3 | B3/2500 | | |
| BM (30°-60°) | 2708.7 | 13.6 | B3/5000 | | |
| BH (60°-80°) | 323.0 | 1.6 | 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: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 |
| 2.5° | 3747.7 | 3739.8 | 3713.2 | 3623.0 | 3567.3 | 3479.7 | 3416.0 | 3333.7 | 3243.4 | 3187.7 | 3132.0 |
| 5° | 4145.9 | 4124.6 | 4053.0 | 3846.0 | 3686.7 | 3514.2 | 3376.2 | 3224.9 | 3063.0 | 2956.8 | 2858.6 |
| 7.5° | 4528.1 | 4496.2 | 4400.7 | 4050.3 | 3808.8 | 3562.0 | 3365.5 | 3145.2 | 2917.0 | 2757.7 | 2635.6 |
| 10° | 4902.3 | 4830.7 | 4679.4 | 4249.4 | 3922.9 | 3625.7 | 3394.7 | 3142.6 | 2874.5 | 2672.8 | 2537.4 |
| 12.5° | 5210.2 | 5157.1 | 4950.1 | 4437.8 | 4018.5 | 3638.9 | 3354.9 | 3121.4 | 2940.9 | 2805.5 | 2680.8 |
| 15° | 5475.6 | 5417.3 | 5220.8 | 4607.7 | 4100.8 | 3585.8 | 3187.7 | 2983.3 | 3012.5 | 3065.6 | 2959.4 |
| 17.5° | 5719.8 | 5658.8 | 5446.4 | 4748.4 | 4132.6 | 3455.8 | 2954.1 | 2855.9 | 3017.8 | 3216.9 | 3177.1 |
| 20° | 5972.0 | 5903.0 | 5642.9 | 4862.5 | 4122.0 | 3251.4 | 2717.9 | 2747.1 | 2975.4 | 3203.6 | 3224.9 |
| 22.5° | 6266.6 | 6194.9 | 5892.4 | 5008.5 | 4114.0 | 3007.2 | 2513.5 | 2651.6 | 2895.7 | 3089.5 | 3126.7 |
| 25° | 6656.8 | 6571.8 | 6240.1 | 5223.5 | 4135.3 | 2784.3 | 2367.6 | 2558.7 | 2760.4 | 2935.6 | 2956.8 |
| 27.5° | 7171.7 | 7062.9 | 6640.8 | 5488.9 | 4180.4 | 2609.1 | 2303.9 | 2431.3 | 2587.9 | 2744.5 | 2763.0 |
| 30° | 7843.2 | 7705.2 | 7100.0 | 5719.8 | 4159.2 | 2487.0 | 2261.4 | 2303.9 | 2396.8 | 2524.2 | 2526.8 |
| 32.5° | 8628.8 | 8440.4 | 7614.9 | 5918.9 | 3976.0 | 2396.8 | 2203.0 | 2173.8 | 2195.0 | 2293.2 | 2311.8 |
| 35° | 9552.5 | 9308.3 | 8182.9 | 6107.3 | 3641.6 | 2221.6 | 2096.8 | 1998.6 | 1990.7 | 2038.4 | 2083.6 |
| 37.5° | 10611.5 | 10319.6 | 8899.6 | 6348.9 | 3246.1 | 2038.4 | 1940.2 | 1842.0 | 1799.6 | 1823.4 | 1892.5 |
| 40° | 11588.3 | 11264.5 | 9648.1 | 6640.8 | 2842.7 | 1873.9 | 1757.1 | 1656.2 | 1605.8 | 1613.8 | 1698.7 |
| 42.5° | 12734.9 | 12400.5 | 10563.8 | 7023.0 | 2508.2 | 1762.4 | 1566.0 | 1462.5 | 1396.1 | 1433.3 | 1531.5 |
| 45° | 14476.1 | 14096.5 | 11898.8 | 7354.8 | 2242.8 | 1735.9 | 1398.8 | 1252.8 | 1220.9 | 1284.6 | 1401.4 |
| 47.5° | 16854.3 | 16389.8 | 13732.9 | 7556.5 | 2017.2 | 1759.7 | 1282.0 | 1082.9 | 1090.9 | 1162.5 | 1279.3 |
| 50° | 19213.9 | 18712.2 | 15853.6 | 7291.1 | 1831.4 | 1712.0 | 1223.6 | 950.2 | 1000.6 | 1064.3 | 1170.5 |
| 52.5° | 20835.6 | 20182.6 | 16886.1 | 6524.1 | 1661.5 | 1531.5 | 1218.3 | 825.5 | 921.0 | 942.2 | 1032.5 |
| 55° | 20899.3 | 20095.1 | 16357.9 | 5143.9 | 1430.6 | 1292.6 | 1162.5 | 721.9 | 833.4 | 841.4 | 918.4 |
| 57.5° | 18319.4 | 17592.1 | 14295.6 | 3532.8 | 1271.4 | 947.6 | 926.3 | 631.7 | 684.8 | 751.1 | 798.9 |
| 60° | 13937.3 | 13318.8 | 10691.2 | 1619.1 | 966.1 | 602.5 | 634.4 | 544.1 | 512.3 | 610.5 | 658.2 |
| 62.5° | 8536.0 | 8140.5 | 6412.6 | 716.6 | 615.8 | 321.2 | 384.9 | 432.6 | 384.9 | 422.0 | 461.8 |
| 65° | 3389.4 | 3214.3 | 2433.9 | 305.2 | 252.2 | 161.9 | 175.2 | 252.2 | 270.7 | 297.3 | 334.4 |
| 67.5° | 589.2 | 557.4 | 408.7 | 135.4 | 103.5 | 98.2 | 84.9 | 116.8 | 164.6 | 183.1 | 212.3 |
| 70° | 77.0 | 74.3 | 66.4 | 55.7 | 53.1 | 47.8 | 37.2 | 74.3 | 111.5 | 116.8 | 135.4 |
| 72.5° | 18.6 | 15.9 | 15.9 | 13.3 | 15.9 | 5.3 | 5.3 | 39.8 | 79.6 | 82.3 | 95.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.3 | 50.4 | 55.7 | 66.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 |
| 2.5° | 3086.9 | 3033.8 | 3015.2 | 2988.6 | 2954.1 | 2964.8 | 2917.0 | 2901.1 | 2924.9 | 2956.8 | 2948.8 |
| 5° | 2805.5 | 2747.1 | 2707.3 | 2646.3 | 2635.6 | 2611.7 | 2595.8 | 2574.6 | 2601.1 | 2638.3 | 2646.3 |
| 7.5° | 2582.6 | 2532.1 | 2492.3 | 2473.7 | 2460.5 | 2449.8 | 2418.0 | 2402.1 | 2402.1 | 2418.0 | 2431.3 |
| 10° | 2487.0 | 2449.8 | 2441.9 | 2447.2 | 2468.4 | 2465.8 | 2436.6 | 2415.3 | 2388.8 | 2375.5 | 2391.4 |
| 12.5° | 2619.7 | 2558.7 | 2548.0 | 2550.7 | 2577.2 | 2574.6 | 2542.7 | 2516.2 | 2510.9 | 2516.2 | 2566.6 |
| 15° | 2845.3 | 2752.4 | 2683.4 | 2670.1 | 2683.4 | 2678.1 | 2654.2 | 2638.3 | 2646.3 | 2723.2 | 2808.2 |
| 17.5° | 3047.0 | 2903.7 | 2779.0 | 2731.2 | 2728.5 | 2720.6 | 2696.7 | 2691.4 | 2731.2 | 2874.5 | 2999.3 |
| 20° | 3105.4 | 2964.8 | 2786.9 | 2725.9 | 2712.6 | 2704.6 | 2678.1 | 2686.1 | 2736.5 | 2909.0 | 3015.2 |
| 22.5° | 3028.5 | 2893.1 | 2707.3 | 2646.3 | 2635.6 | 2633.0 | 2606.4 | 2617.1 | 2659.5 | 2810.8 | 2898.4 |
| 25° | 2882.5 | 2768.3 | 2574.6 | 2521.5 | 2521.5 | 2516.2 | 2492.3 | 2497.6 | 2524.2 | 2656.9 | 2741.8 |
| 27.5° | 2704.6 | 2595.8 | 2433.9 | 2380.8 | 2388.8 | 2396.8 | 2367.6 | 2359.6 | 2380.8 | 2505.6 | 2556.0 |
| 30° | 2500.3 | 2423.3 | 2295.9 | 2248.1 | 2245.5 | 2277.3 | 2237.5 | 2226.9 | 2256.1 | 2354.3 | 2364.9 |
| 32.5° | 2301.2 | 2264.0 | 2173.8 | 2136.6 | 2139.3 | 2144.6 | 2123.4 | 2123.4 | 2149.9 | 2203.0 | 2200.3 |
| 35° | 2107.4 | 2083.6 | 2067.6 | 2041.1 | 2038.4 | 2027.8 | 2027.8 | 2033.1 | 2062.3 | 2080.9 | 2046.4 |
| 37.5° | 1921.7 | 1945.5 | 1964.1 | 1937.6 | 1916.3 | 1916.3 | 1916.3 | 1940.2 | 1966.8 | 1958.8 | 1900.4 |
| 40° | 1757.1 | 1807.5 | 1865.9 | 1836.7 | 1786.3 | 1783.6 | 1794.2 | 1834.1 | 1873.9 | 1826.1 | 1773.0 |
| 42.5° | 1616.4 | 1680.1 | 1762.4 | 1746.5 | 1690.7 | 1682.8 | 1690.7 | 1741.2 | 1773.0 | 1712.0 | 1653.6 |
| 45° | 1478.4 | 1558.0 | 1656.2 | 1656.2 | 1595.2 | 1587.2 | 1589.9 | 1656.2 | 1674.8 | 1603.1 | 1528.8 |
| 47.5° | 1361.6 | 1449.2 | 1552.7 | 1552.7 | 1502.3 | 1486.4 | 1499.6 | 1568.6 | 1581.9 | 1481.1 | 1412.0 |
| 50° | 1250.1 | 1345.7 | 1459.8 | 1451.9 | 1417.4 | 1404.1 | 1428.0 | 1502.3 | 1486.4 | 1374.9 | 1303.2 |
| 52.5° | 1109.5 | 1210.3 | 1366.9 | 1374.9 | 1356.3 | 1359.0 | 1388.2 | 1435.9 | 1390.8 | 1255.4 | 1194.4 |
| 55° | 982.1 | 1085.6 | 1242.2 | 1284.6 | 1284.6 | 1282.0 | 1295.3 | 1332.4 | 1295.3 | 1133.3 | 1059.0 |
| 57.5° | 844.0 | 931.6 | 1061.7 | 1072.3 | 1080.3 | 1051.1 | 1069.6 | 1120.1 | 1101.5 | 963.5 | 921.0 |
| 60° | 692.7 | 767.1 | 841.4 | 849.3 | 814.8 | 753.8 | 788.3 | 846.7 | 860.0 | 756.5 | 708.7 |
| 62.5° | 491.0 | 562.7 | 650.3 | 650.3 | 615.8 | 554.7 | 599.9 | 650.3 | 631.7 | 525.5 | 496.3 |
| 65° | 366.3 | 432.6 | 499.0 | 528.2 | 499.0 | 456.5 | 491.0 | 528.2 | 499.0 | 411.4 | 368.9 |
| 67.5° | 236.2 | 281.3 | 321.2 | 345.0 | 350.4 | 345.0 | 361.0 | 350.4 | 315.9 | 257.5 | 233.6 |
| 70° | 143.3 | 167.2 | 188.4 | 209.7 | 225.6 | 233.6 | 241.5 | 217.6 | 183.1 | 151.3 | 143.3 |
| 72.5° | 103.5 | 124.7 | 143.3 | 159.3 | 177.8 | 183.1 | 183.1 | 167.2 | 135.4 | 106.2 | 98.2 |
| 75° | 71.7 | 90.2 | 106.2 | 116.8 | 132.7 | 138.0 | 138.0 | 124.7 | 100.9 | 77.0 | 69.0 |
| 77.5° | 2.7 | 18.6 | 18.6 | 15.9 | 21.2 | 26.5 | 26.5 | 31.9 | 29.2 | 21.2 | 18.6 |
| 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-SA5E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 |
| 2.5° | 2964.8 | 3060.3 | 3086.9 | 3185.1 | 3272.6 | 3360.2 | 3466.4 | 3530.1 | 3625.7 | 3692.0 | 3729.2 |
| 5° | 2672.8 | 2752.4 | 2848.0 | 2994.0 | 3145.2 | 3312.5 | 3514.2 | 3689.4 | 3909.7 | 4071.6 | 4124.6 |
| 7.5° | 2460.5 | 2564.0 | 2675.4 | 2858.6 | 3065.6 | 3288.6 | 3572.6 | 3859.2 | 4196.3 | 4416.6 | 4557.3 |
| 10° | 2420.6 | 2526.8 | 2675.4 | 2855.9 | 3073.6 | 3328.4 | 3676.1 | 4047.7 | 4469.7 | 4737.8 | 4897.0 |
| 12.5° | 2611.7 | 2725.9 | 2789.6 | 2871.9 | 3036.4 | 3320.4 | 3766.3 | 4238.8 | 4735.1 | 5027.1 | 5197.0 |
| 15° | 2893.1 | 2994.0 | 2890.4 | 2786.9 | 2893.1 | 3235.5 | 3816.8 | 4398.0 | 4968.7 | 5305.8 | 5481.0 |
| 17.5° | 3086.9 | 3094.8 | 2869.2 | 2648.9 | 2678.1 | 3081.5 | 3835.3 | 4557.3 | 5218.2 | 5571.2 | 5754.3 |
| 20° | 3068.3 | 3004.6 | 2776.3 | 2532.1 | 2441.9 | 2882.5 | 3814.1 | 4698.0 | 5470.3 | 5839.3 | 6019.8 |
| 22.5° | 2924.9 | 2850.6 | 2656.9 | 2418.0 | 2242.8 | 2646.3 | 3776.9 | 4825.4 | 5701.3 | 6120.6 | 6290.5 |
| 25° | 2752.4 | 2672.8 | 2513.5 | 2303.9 | 2115.4 | 2418.0 | 3747.7 | 5000.5 | 5993.2 | 6486.9 | 6619.6 |
| 27.5° | 2550.7 | 2481.7 | 2346.3 | 2195.0 | 2062.3 | 2245.5 | 3739.8 | 5231.5 | 6346.2 | 6932.8 | 7025.7 |
| 30° | 2354.3 | 2290.6 | 2184.4 | 2096.8 | 2041.1 | 2144.6 | 3713.2 | 5478.3 | 6768.2 | 7445.1 | 7545.9 |
| 32.5° | 2165.8 | 2102.1 | 2035.8 | 2022.5 | 2025.2 | 2107.4 | 3623.0 | 5722.5 | 7269.9 | 8188.2 | 8262.6 |
| 35° | 2003.9 | 1929.6 | 1903.1 | 1934.9 | 1993.3 | 2043.7 | 3368.2 | 5924.2 | 7808.7 | 8997.8 | 9058.8 |
| 37.5° | 1850.0 | 1775.7 | 1773.0 | 1850.0 | 1913.7 | 1945.5 | 3068.3 | 6123.3 | 8536.0 | 9820.6 | 9897.6 |
| 40° | 1709.3 | 1635.0 | 1661.5 | 1754.4 | 1804.9 | 1820.8 | 2704.6 | 6425.9 | 9305.7 | 10688.5 | 10646.1 |
| 42.5° | 1589.9 | 1512.9 | 1528.8 | 1648.3 | 1693.4 | 1735.9 | 2370.2 | 6678.0 | 10046.2 | 11511.3 | 11498.1 |
| 45° | 1473.1 | 1414.7 | 1404.1 | 1534.1 | 1573.9 | 1743.8 | 2126.0 | 6871.8 | 10999.1 | 12559.7 | 12581.0 |
| 47.5° | 1359.0 | 1313.8 | 1316.5 | 1372.2 | 1470.4 | 1783.6 | 1919.0 | 6999.2 | 12381.9 | 14221.3 | 13852.3 |
| 50° | 1255.4 | 1220.9 | 1250.1 | 1186.4 | 1404.1 | 1733.2 | 1741.2 | 6972.6 | 13926.7 | 15813.8 | 15073.3 |
| 52.5° | 1141.3 | 1133.3 | 1146.6 | 992.7 | 1297.9 | 1528.8 | 1573.9 | 6619.6 | 14651.3 | 16902.0 | 16480.0 |
| 55° | 1024.5 | 1021.9 | 915.7 | 793.6 | 1085.6 | 1220.9 | 1348.3 | 5523.4 | 14627.4 | 17480.7 | 17992.9 |
| 57.5° | 886.5 | 865.3 | 695.4 | 647.6 | 844.0 | 849.3 | 1228.9 | 3617.7 | 12963.2 | 16095.2 | 17156.8 |
| 60° | 671.5 | 655.6 | 509.6 | 525.5 | 589.2 | 544.1 | 979.4 | 1802.2 | 9687.9 | 12538.5 | 13735.6 |
| 62.5° | 464.5 | 443.3 | 379.6 | 406.1 | 379.6 | 310.5 | 599.9 | 891.8 | 5868.5 | 7917.5 | 9003.1 |
| 65° | 339.7 | 315.9 | 260.1 | 223.0 | 177.8 | 177.8 | 228.3 | 342.4 | 2272.0 | 3365.5 | 4058.3 |
| 67.5° | 209.7 | 199.1 | 153.9 | 111.5 | 108.8 | 116.8 | 119.4 | 169.9 | 366.3 | 583.9 | 714.0 |
| 70° | 135.4 | 124.7 | 103.5 | 71.7 | 66.4 | 69.0 | 71.7 | 79.6 | 92.9 | 100.9 | 122.1 |
| 72.5° | 92.9 | 87.6 | 74.3 | 39.8 | 31.9 | 34.5 | 37.2 | 37.2 | 45.1 | 42.5 | 50.4 |
| 75° | 66.4 | 61.0 | 53.1 | 18.6 | 10.6 | 13.3 | 15.9 | 13.3 | 15.9 | 10.6 | 13.3 |
| 77.5° | 18.6 | 18.6 | 13.3 | 2.7 | 0.0 | 2.7 | 5.3 | 5.3 | 2.7 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 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: P640679

CATALOG NUMBER: GWS-SA5E-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 | 3373.5 |
| 2.5° | 3824.7 | 3885.8 | 3909.7 | 3875.2 | 3904.3 | 3856.6 | 3838.0 | 3766.3 | 3761.0 | 3747.7 |
| 5° | 4339.6 | 4477.7 | 4559.9 | 4610.4 | 4552.0 | 4488.3 | 4392.7 | 4228.2 | 4177.7 | 4145.9 |
| 7.5° | 4846.6 | 5061.6 | 5202.3 | 5268.6 | 5252.7 | 5122.6 | 4950.1 | 4674.1 | 4575.9 | 4528.1 |
| 10° | 5287.2 | 5550.0 | 5719.8 | 5802.1 | 5767.6 | 5653.5 | 5406.6 | 5061.6 | 4931.5 | 4902.3 |
| 12.5° | 5595.1 | 5836.6 | 5953.4 | 6025.1 | 6027.7 | 5982.6 | 5749.0 | 5401.3 | 5247.4 | 5210.2 |
| 15° | 5788.8 | 5892.4 | 5895.0 | 5937.5 | 6011.8 | 6112.7 | 6003.8 | 5695.9 | 5531.4 | 5475.6 |
| 17.5° | 5910.9 | 5796.8 | 5680.0 | 5690.6 | 5812.7 | 6080.8 | 6192.3 | 5956.1 | 5780.9 | 5719.8 |
| 20° | 5998.5 | 5637.6 | 5419.9 | 5422.6 | 5547.3 | 5953.4 | 6322.3 | 6208.2 | 6027.7 | 5972.0 |
| 22.5° | 6054.3 | 5496.9 | 5186.3 | 5178.4 | 5311.1 | 5802.1 | 6441.8 | 6508.1 | 6330.3 | 6266.6 |
| 25° | 6168.4 | 5430.5 | 5045.7 | 5090.8 | 5207.6 | 5754.3 | 6603.7 | 6906.3 | 6741.7 | 6656.8 |
| 27.5° | 6372.8 | 5496.9 | 5032.4 | 5135.9 | 5268.6 | 5895.0 | 6885.0 | 7437.1 | 7267.2 | 7171.7 |
| 30° | 6725.8 | 5746.4 | 5236.8 | 5380.1 | 5539.3 | 6263.9 | 7357.5 | 8177.6 | 7933.4 | 7843.2 |
| 32.5° | 7293.8 | 6263.9 | 5868.5 | 6176.4 | 6330.3 | 6869.1 | 8066.2 | 9008.4 | 8809.3 | 8628.8 |
| 35° | 8076.8 | 7445.1 | 7399.9 | 8116.6 | 8079.4 | 8015.7 | 8936.7 | 10027.6 | 9727.7 | 9552.5 |
| 37.5° | 9154.4 | 9345.5 | 9679.9 | 10391.2 | 10367.4 | 9881.6 | 10080.7 | 10991.1 | 10837.2 | 10611.5 |
| 40° | 10500.1 | 10906.2 | 11474.2 | 12493.4 | 12174.9 | 11564.4 | 11484.8 | 11978.5 | 11853.7 | 11588.3 |
| 42.5° | 11293.7 | 11994.4 | 13077.3 | 13993.0 | 13738.2 | 12671.2 | 12581.0 | 13297.6 | 13024.2 | 12734.9 |
| 45° | 11662.6 | 12880.9 | 15004.3 | 16243.8 | 15471.4 | 13406.4 | 13371.9 | 15017.5 | 14863.6 | 14476.1 |
| 47.5° | 11832.5 | 13775.4 | 17260.4 | 19136.9 | 17693.0 | 14051.4 | 13926.7 | 17512.5 | 17310.8 | 16854.3 |
| 50° | 12020.9 | 15009.6 | 19978.3 | 22489.2 | 20376.4 | 14781.3 | 14871.6 | 19837.6 | 19752.7 | 19213.9 |
| 52.5° | 12435.0 | 16315.5 | 23325.2 | 26321.8 | 23630.5 | 15925.3 | 16493.3 | 22030.0 | 21456.7 | 20835.6 |
| 55° | 13056.1 | 17738.1 | 26807.6 | 30236.8 | 26950.9 | 17462.1 | 18247.7 | 23195.2 | 21586.7 | 20899.3 |
| 57.5° | 12368.6 | 18093.8 | 28869.9 | 32970.6 | 28424.0 | 17467.4 | 16764.0 | 21175.3 | 18985.6 | 18319.4 |
| 60° | 9815.3 | 16833.0 | 28076.3 | 32378.8 | 27168.5 | 15511.2 | 12835.8 | 16533.1 | 14383.2 | 13937.3 |
| 62.5° | 6635.5 | 14117.8 | 24716.0 | 27383.5 | 23253.6 | 12201.4 | 8342.2 | 10752.2 | 8904.9 | 8536.0 |
| 65° | 3636.3 | 10531.9 | 19970.3 | 20716.1 | 18199.9 | 8522.7 | 4291.9 | 4666.1 | 3554.0 | 3389.4 |
| 67.5° | 1003.3 | 7330.9 | 14693.7 | 13743.5 | 12769.4 | 5550.0 | 1109.5 | 833.4 | 594.5 | 589.2 |
| 70° | 252.2 | 4849.2 | 8804.0 | 9074.8 | 7829.9 | 3554.0 | 212.3 | 100.9 | 79.6 | 77.0 |
| 72.5° | 106.2 | 2086.2 | 4177.7 | 4801.5 | 4007.9 | 1645.6 | 77.0 | 29.2 | 23.9 | 18.6 |
| 75° | 13.3 | 167.2 | 355.7 | 538.8 | 368.9 | 177.8 | 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 |
| 80° | 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 |
| 85° | 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 |
| 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)