

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: P642776

Luminaire Tested: GWS-SA6D-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34694.8 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

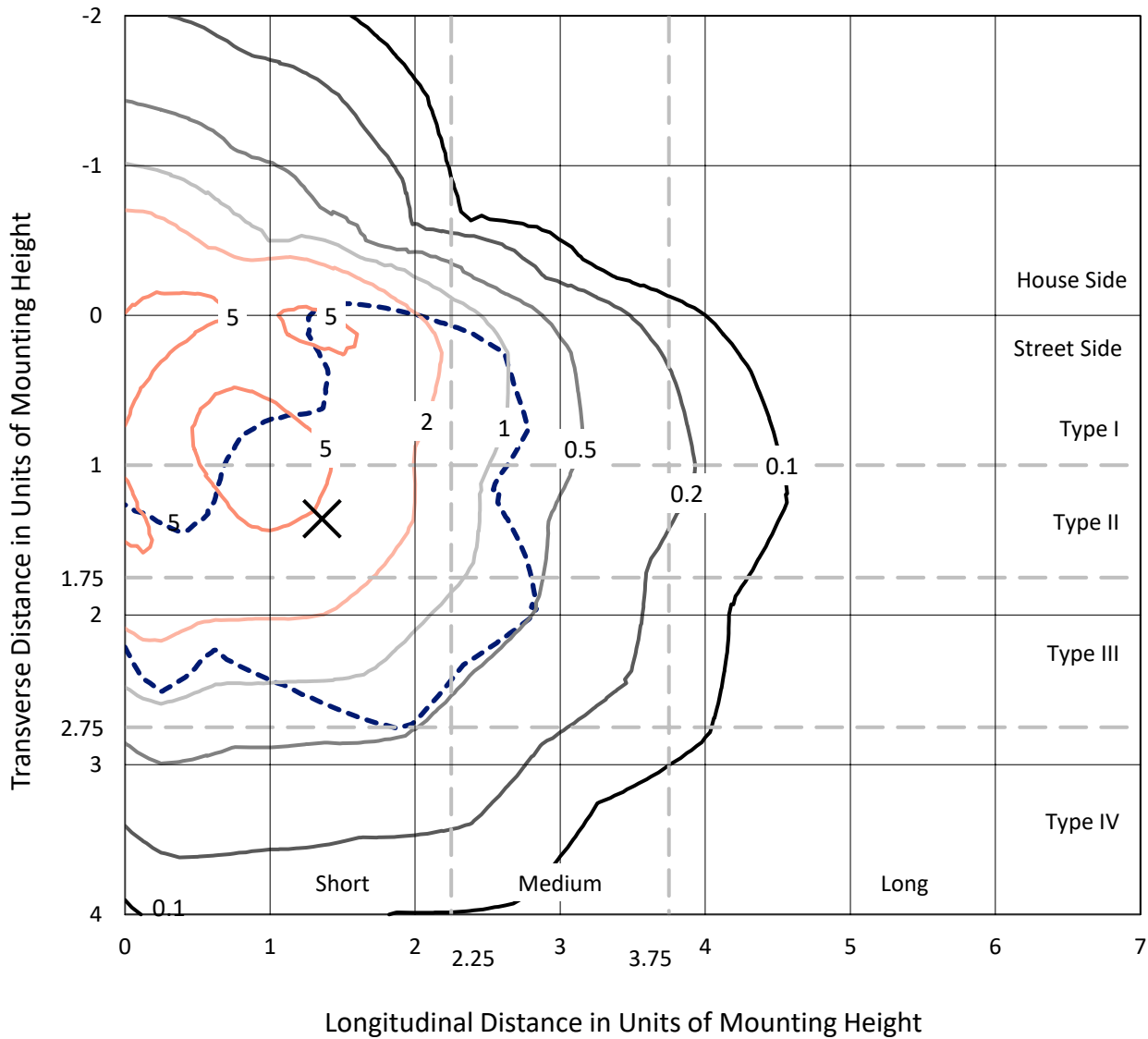
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642776
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Iso-Footcandle Lines of Horizontal Illumination

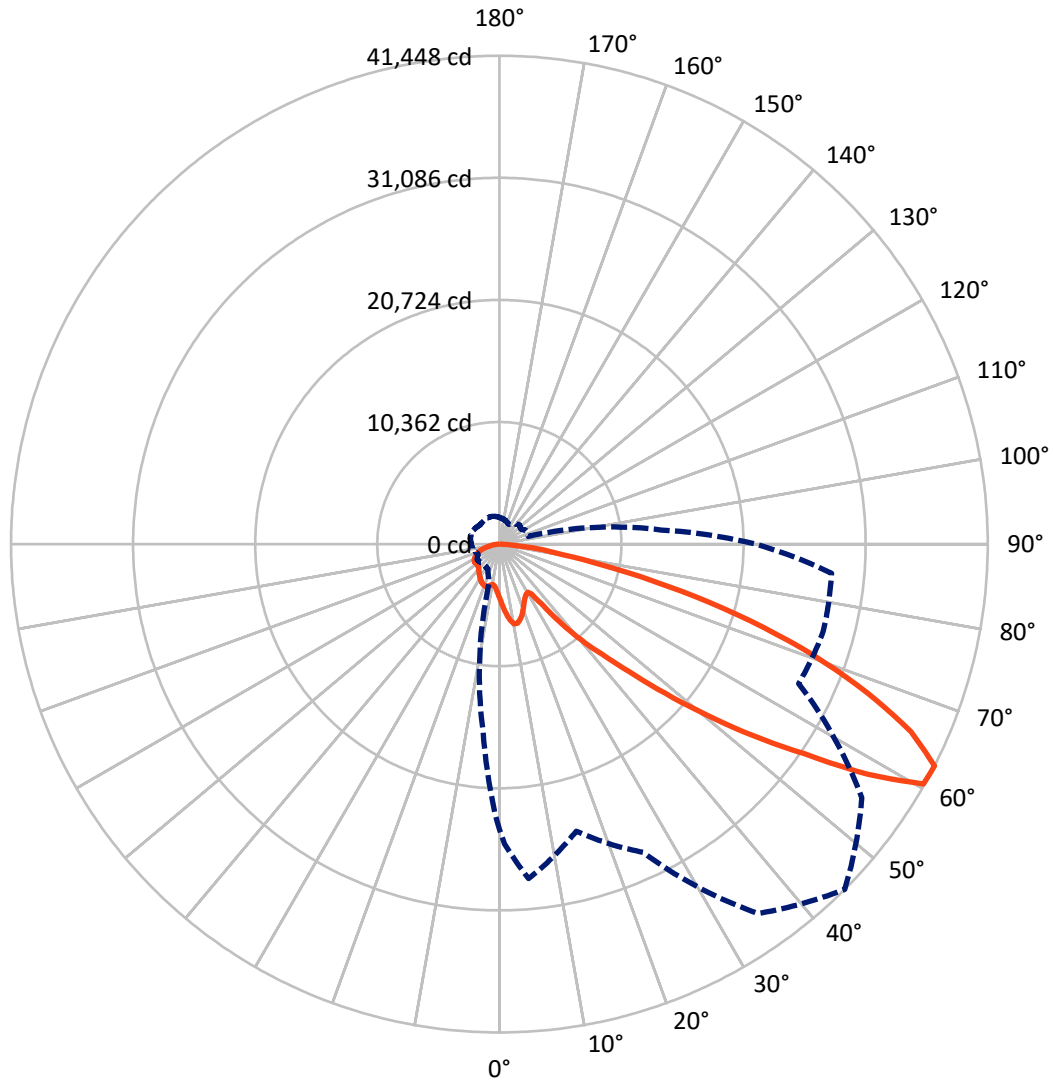
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA6D-750-U-SLR-W

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8278.8 | 0.0 | 8278.8 |
| | % Fixture | 23.9 | 0.0 | 23.9 |
| Street Side | Lumens | 26416.0 | 0.0 | 26416.0 |
| | % Fixture | 76.1 | 0.0 | 76.1 |
| Total | Lumens | 34694.8 | 0.0 | 34694.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 449.7 | 1.3 |
| 10°-20° | 1409.8 | 4.1 |
| 20°-30° | 2189.7 | 6.3 |
| 30°-40° | 2973.0 | 8.6 |
| 40°-50° | 4712.0 | 13.6 |
| 50°-60° | 8311.9 | 24.0 |
| 60°-70° | 9248.2 | 26.7 |
| 70°-80° | 4690.4 | 13.5 |
| 80°-90° | 710.2 | 2.0 |
| 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° | 34694.8 | 100.0 |
| 0°-180° | 34694.8 | 100.0 |

Coefficient of Utilization



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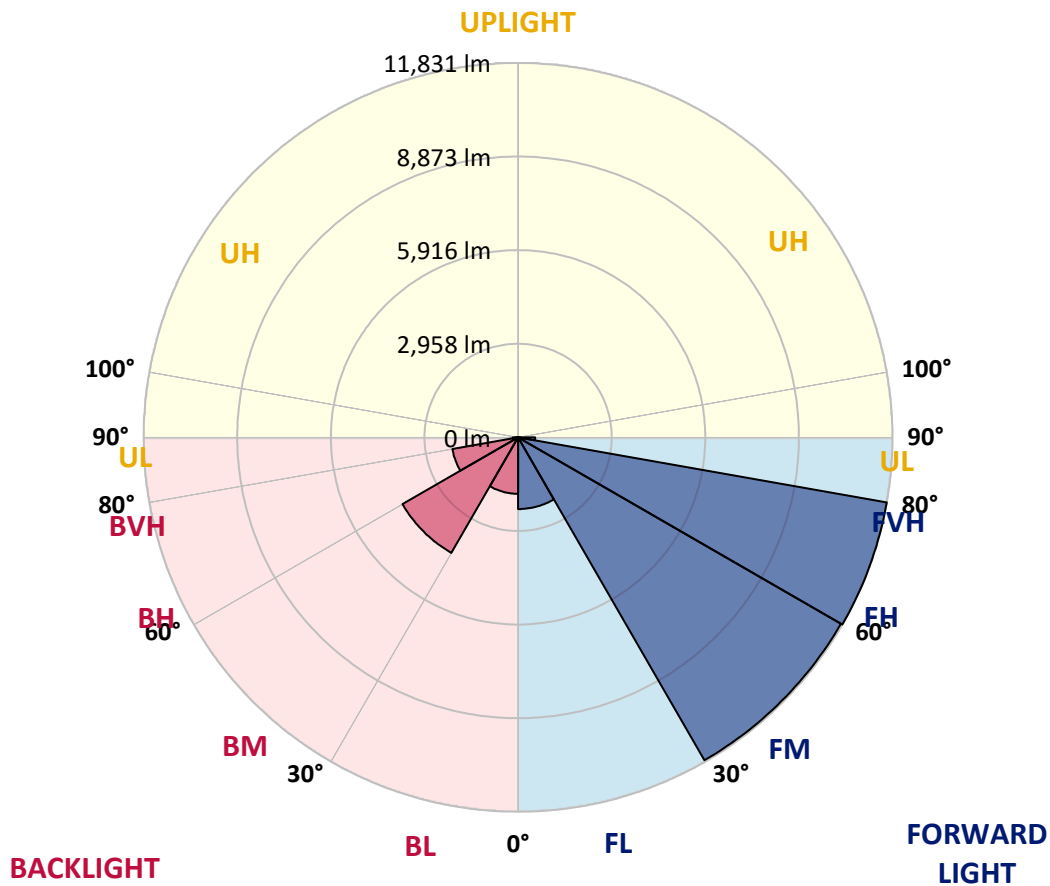
CATALOG NUMBER: GWS-SA6D-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2265.3 | 6.5 | | | |
| FM (30°-60°) | 11780.4 | 34.0 | | | |
| FH (60°-80°) | 11831.2 | 34.1 | | | G4/12000 |
| FVH (80°-90°) | 539.1 | 1.6 | | | G4/750 |
| BL (0°-30°) | 1783.9 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 4216.5 | 12.2 | B3/5000 | | |
| BH (60°-80°) | 2107.4 | 6.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 171.1 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type III Short





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 CATALOG NUMBER: GWS-SA6D-750-U-SLR-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 |
| 2.5° | 4948.8 | 4946.2 | 4996.1 | 5072.3 | 5143.2 | 5174.7 | 5227.3 | 5222.0 | 5180.0 | 5124.8 | 5106.4 |
| 5° | 5337.6 | 5348.1 | 5434.8 | 5602.9 | 5789.4 | 5868.2 | 5902.3 | 5889.2 | 5813.0 | 5715.8 | 5545.1 |
| 7.5° | 5689.6 | 5707.9 | 5841.9 | 6094.1 | 6325.2 | 6430.3 | 6514.4 | 6498.6 | 6388.3 | 6207.0 | 5954.9 |
| 10° | 5947.0 | 5968.0 | 6128.2 | 6425.1 | 6682.5 | 6774.4 | 6882.1 | 6887.4 | 6790.2 | 6545.9 | 6288.5 |
| 12.5° | 6204.4 | 6225.4 | 6375.1 | 6645.7 | 6813.8 | 6816.4 | 6879.5 | 6913.6 | 6918.9 | 6805.9 | 6548.5 |
| 15° | 6472.3 | 6490.7 | 6627.3 | 6779.7 | 6771.8 | 6624.7 | 6624.7 | 6690.4 | 6834.8 | 6916.3 | 6737.6 |
| 17.5° | 6700.9 | 6724.5 | 6829.6 | 6779.7 | 6545.9 | 6280.6 | 6249.1 | 6333.1 | 6585.3 | 6897.9 | 6879.5 |
| 20° | 6890.0 | 6908.4 | 6966.2 | 6635.2 | 6209.7 | 5862.9 | 5802.5 | 5899.7 | 6241.2 | 6784.9 | 6987.2 |
| 22.5° | 7071.2 | 7081.7 | 7050.2 | 6446.1 | 5847.2 | 5450.5 | 5377.0 | 5479.4 | 5847.2 | 6585.3 | 7079.1 |
| 25° | 7286.6 | 7276.1 | 7126.4 | 6249.1 | 5516.2 | 5124.8 | 5048.6 | 5164.2 | 5547.7 | 6320.0 | 7178.9 |
| 27.5° | 7536.2 | 7496.8 | 7192.1 | 6036.3 | 5261.4 | 4883.1 | 4830.6 | 4954.1 | 5311.3 | 6075.7 | 7257.7 |
| 30° | 7748.9 | 7672.8 | 7202.6 | 5847.2 | 5130.1 | 4780.7 | 4749.2 | 4864.8 | 5195.7 | 5910.2 | 7357.6 |
| 32.5° | 7985.3 | 7880.3 | 7263.0 | 5797.3 | 5203.6 | 5027.6 | 5069.6 | 5077.5 | 5227.3 | 5862.9 | 7507.3 |
| 35° | 8324.2 | 8187.6 | 7428.5 | 5941.7 | 5960.1 | 6256.9 | 6409.3 | 6204.4 | 5702.7 | 5968.0 | 7791.0 |
| 37.5° | 8836.4 | 8663.1 | 7764.7 | 6566.9 | 7523.0 | 8187.6 | 8555.4 | 8087.8 | 7147.4 | 6364.6 | 8219.1 |
| 40° | 9459.0 | 9238.3 | 8195.5 | 7722.7 | 8983.5 | 10047.4 | 10701.4 | 10015.8 | 8634.2 | 7354.9 | 8820.7 |
| 42.5° | 10328.4 | 10097.3 | 9030.8 | 8857.4 | 10336.3 | 11920.2 | 12773.9 | 11752.1 | 9944.9 | 8634.2 | 9784.7 |
| 45° | 11844.1 | 11620.8 | 10562.2 | 9994.8 | 11920.2 | 14226.5 | 15424.3 | 14003.3 | 11276.7 | 9918.6 | 11586.6 |
| 47.5° | 14644.2 | 14381.5 | 12837.0 | 11255.7 | 13727.4 | 17221.0 | 18896.9 | 16827.0 | 12661.0 | 11389.6 | 14612.7 |
| 50° | 18006.4 | 17754.3 | 15692.3 | 12747.7 | 15723.8 | 20423.1 | 22753.0 | 20144.6 | 14255.4 | 13178.4 | 18229.7 |
| 52.5° | 22051.6 | 22004.4 | 19766.4 | 14633.7 | 17801.5 | 23837.8 | 27032.0 | 23819.5 | 16002.2 | 15587.2 | 22327.5 |
| 55° | 25697.6 | 26159.9 | 24941.1 | 17510.0 | 20486.1 | 28127.3 | 31431.8 | 27827.9 | 18371.6 | 19569.4 | 27126.5 |
| 57.5° | 27662.4 | 28904.9 | 30777.7 | 23378.2 | 24389.5 | 33254.8 | 36861.3 | 32721.5 | 22443.0 | 26199.3 | 31576.3 |
| 60° | 26364.8 | 27772.7 | 31166.5 | 27796.4 | 28261.3 | 37363.0 | 41342.6 | 36835.0 | 26441.0 | 30801.4 | 31324.1 |
| 62.5° | 24205.6 | 25469.1 | 28487.2 | 25216.9 | 28860.2 | 38266.6 | 41447.6 | 37552.1 | 28030.1 | 28466.2 | 28295.4 |
| 65° | 21644.5 | 22918.5 | 26115.2 | 22012.2 | 26955.8 | 36120.6 | 38390.1 | 35442.9 | 25174.9 | 25718.6 | 25781.6 |
| 67.5° | 18242.8 | 19419.6 | 22674.2 | 19572.0 | 24570.7 | 32971.1 | 33696.1 | 32437.8 | 23183.8 | 24050.6 | 23144.4 |
| 70° | 13630.3 | 14691.5 | 17565.1 | 15905.0 | 20712.0 | 28868.1 | 28282.3 | 28468.8 | 20948.4 | 21810.0 | 19332.9 |
| 72.5° | 9314.5 | 10113.0 | 12576.9 | 12498.1 | 15860.4 | 23110.2 | 22293.3 | 24061.1 | 17496.8 | 18639.5 | 14738.7 |
| 75° | 6514.4 | 7136.9 | 9091.2 | 9874.0 | 11988.5 | 17129.1 | 15876.1 | 18009.1 | 13664.4 | 15295.6 | 10754.0 |
| 77.5° | 3997.9 | 4410.3 | 5742.1 | 7315.5 | 7712.2 | 11723.2 | 9860.9 | 13551.4 | 9595.6 | 11155.8 | 7173.7 |
| 80° | 1999.0 | 2198.6 | 2789.6 | 4599.5 | 5114.3 | 6908.4 | 5445.3 | 7867.1 | 6493.3 | 6908.4 | 3969.0 |
| 82.5° | 604.2 | 667.2 | 816.9 | 1746.8 | 2650.4 | 3976.9 | 3217.8 | 4570.6 | 3546.1 | 3238.8 | 1562.9 |
| 85° | 160.2 | 181.2 | 225.9 | 517.5 | 929.9 | 1426.3 | 1087.5 | 2214.4 | 1699.5 | 1195.2 | 588.4 |
| 87.5° | 13.1 | 13.1 | 10.5 | 10.5 | 5.3 | 0.0 | 0.0 | 157.6 | 317.8 | 181.2 | 102.4 |
| 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-SA6D-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 |
| 2.5° | 5014.5 | 5004.0 | 4896.3 | 4817.5 | 4725.5 | 4636.2 | 4544.3 | 4462.9 | 4370.9 | 4279.0 | 4252.7 |
| 5° | 5419.0 | 5345.5 | 5116.9 | 4925.2 | 4736.0 | 4570.6 | 4426.1 | 4276.4 | 4155.5 | 4037.3 | 3992.7 |
| 7.5° | 5776.2 | 5647.5 | 5316.6 | 5025.0 | 4762.3 | 4557.4 | 4344.7 | 4126.6 | 3955.9 | 3787.8 | 3745.8 |
| 10° | 6099.3 | 5928.6 | 5510.9 | 5143.2 | 4851.6 | 4617.8 | 4368.3 | 4076.7 | 3829.8 | 3624.9 | 3569.8 |
| 12.5° | 6338.4 | 6151.9 | 5679.1 | 5256.1 | 4925.2 | 4662.5 | 4415.6 | 4158.2 | 3898.1 | 3632.8 | 3572.4 |
| 15° | 6527.5 | 6333.1 | 5818.3 | 5342.8 | 4927.8 | 4588.9 | 4349.9 | 4260.6 | 4179.2 | 3919.1 | 3808.8 |
| 17.5° | 6679.8 | 6475.0 | 5939.1 | 5395.4 | 4856.9 | 4365.7 | 4158.2 | 4289.5 | 4497.0 | 4334.2 | 4126.6 |
| 20° | 6819.1 | 6611.6 | 6031.0 | 5432.1 | 4699.3 | 4058.3 | 3942.8 | 4221.2 | 4533.8 | 4528.5 | 4342.0 |
| 22.5° | 6971.4 | 6769.2 | 6165.0 | 5453.2 | 4478.6 | 3745.8 | 3814.1 | 4121.4 | 4376.2 | 4452.4 | 4336.8 |
| 25° | 7165.8 | 6987.2 | 6351.5 | 5500.4 | 4229.1 | 3530.4 | 3719.5 | 3992.7 | 4205.4 | 4223.8 | 4155.5 |
| 27.5° | 7391.7 | 7257.7 | 6629.9 | 5610.8 | 3987.4 | 3420.0 | 3609.2 | 3811.4 | 4005.8 | 4013.7 | 3932.3 |
| 30° | 7638.6 | 7549.3 | 6887.4 | 5702.7 | 3806.2 | 3385.9 | 3467.3 | 3630.2 | 3753.6 | 3774.7 | 3703.7 |
| 32.5° | 7953.8 | 7875.0 | 7115.9 | 5642.3 | 3698.5 | 3378.0 | 3336.0 | 3420.0 | 3522.5 | 3522.5 | 3467.3 |
| 35° | 8387.2 | 8276.9 | 7357.6 | 5411.1 | 3567.1 | 3346.5 | 3196.8 | 3220.4 | 3265.1 | 3272.9 | 3241.4 |
| 37.5° | 9001.9 | 8820.7 | 7601.8 | 4954.1 | 3351.7 | 3233.5 | 3036.5 | 3007.6 | 3023.4 | 3044.4 | 3036.5 |
| 40° | 9763.7 | 9466.8 | 7959.1 | 4405.1 | 3094.3 | 3015.5 | 2871.0 | 2815.9 | 2802.8 | 2844.8 | 2860.5 |
| 42.5° | 10722.4 | 10268.0 | 8342.6 | 3892.9 | 2860.5 | 2766.0 | 2676.7 | 2629.4 | 2608.4 | 2679.3 | 2721.3 |
| 45° | 12253.8 | 11505.2 | 8710.3 | 3385.9 | 2729.2 | 2553.2 | 2492.8 | 2458.6 | 2469.2 | 2553.2 | 2605.7 |
| 47.5° | 14899.0 | 13393.8 | 9059.7 | 3065.4 | 2718.7 | 2400.9 | 2327.3 | 2335.2 | 2364.1 | 2453.4 | 2516.4 |
| 50° | 18245.5 | 15923.4 | 9293.5 | 2931.5 | 2750.2 | 2308.9 | 2211.7 | 2253.8 | 2298.4 | 2385.1 | 2458.6 |
| 52.5° | 21652.4 | 18279.6 | 9015.0 | 2857.9 | 2747.6 | 2311.5 | 2104.0 | 2230.1 | 2251.1 | 2337.8 | 2416.6 |
| 55° | 23995.4 | 18542.3 | 7788.3 | 2745.0 | 2705.6 | 2416.6 | 2020.0 | 2219.6 | 2232.7 | 2311.5 | 2382.5 |
| 57.5° | 24888.5 | 17643.9 | 5939.1 | 2776.5 | 2579.5 | 2498.0 | 1983.2 | 2146.1 | 2240.6 | 2308.9 | 2382.5 |
| 60° | 23808.9 | 15949.7 | 3609.2 | 2857.9 | 2377.2 | 2492.8 | 2006.8 | 2012.1 | 2175.0 | 2290.5 | 2364.1 |
| 62.5° | 21773.2 | 13774.7 | 2534.8 | 2626.8 | 2230.1 | 2353.6 | 2062.0 | 1854.5 | 2059.4 | 2198.6 | 2264.3 |
| 65° | 19440.6 | 11216.3 | 1933.3 | 2261.6 | 2159.2 | 2138.2 | 2080.4 | 1715.3 | 1901.8 | 2038.4 | 2096.2 |
| 67.5° | 17010.9 | 8718.2 | 1570.8 | 1686.4 | 1951.7 | 1933.3 | 1901.8 | 1591.8 | 1715.3 | 1812.5 | 1878.1 |
| 70° | 13950.7 | 6099.3 | 1326.5 | 1266.1 | 1673.2 | 1733.7 | 1662.7 | 1436.8 | 1476.2 | 1576.1 | 1628.6 |
| 72.5° | 10205.0 | 3800.9 | 1090.1 | 1045.5 | 1344.9 | 1515.6 | 1478.9 | 1266.1 | 1284.5 | 1379.0 | 1421.1 |
| 75° | 7339.2 | 2175.0 | 874.7 | 861.6 | 1027.1 | 1297.6 | 1224.1 | 1090.1 | 1111.1 | 1182.0 | 1210.9 |
| 77.5° | 4665.1 | 1210.9 | 675.1 | 693.5 | 735.5 | 969.3 | 1045.5 | 932.5 | 932.5 | 974.5 | 998.2 |
| 80° | 2498.0 | 693.5 | 493.8 | 501.7 | 514.8 | 740.7 | 824.8 | 722.4 | 722.4 | 693.5 | 722.4 |
| 82.5° | 1019.2 | 399.3 | 338.9 | 315.2 | 344.1 | 507.0 | 577.9 | 459.7 | 480.7 | 433.4 | 443.9 |
| 85° | 336.2 | 199.6 | 168.1 | 165.5 | 162.9 | 223.3 | 278.4 | 228.5 | 273.2 | 173.4 | 181.2 |
| 87.5° | 44.7 | 36.8 | 21.0 | 15.8 | 18.4 | 7.9 | 15.8 | 18.4 | 18.4 | 13.1 | 13.1 |
| 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-SA6D-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 |
| 2.5° | 4234.3 | 4213.3 | 4137.1 | 4155.5 | 4142.4 | 4121.4 | 4142.4 | 4103.0 | 4134.5 | 4145.0 | 4210.7 |
| 5° | 3958.5 | 3908.6 | 3835.1 | 3798.3 | 3790.4 | 3769.4 | 3772.0 | 3753.6 | 3758.9 | 3803.5 | 3877.1 |
| 7.5° | 3711.6 | 3664.3 | 3606.5 | 3580.3 | 3556.6 | 3533.0 | 3530.4 | 3527.7 | 3548.8 | 3588.2 | 3659.1 |
| 10° | 3533.0 | 3506.7 | 3483.1 | 3493.6 | 3483.1 | 3472.6 | 3454.2 | 3454.2 | 3488.3 | 3559.3 | 3645.9 |
| 12.5° | 3533.0 | 3527.7 | 3533.0 | 3564.5 | 3561.9 | 3564.5 | 3540.9 | 3554.0 | 3648.6 | 3769.4 | 3892.9 |
| 15° | 3722.1 | 3680.1 | 3680.1 | 3695.8 | 3690.6 | 3690.6 | 3690.6 | 3745.8 | 3961.2 | 4147.7 | 4279.0 |
| 17.5° | 3953.3 | 3829.8 | 3777.3 | 3769.4 | 3766.8 | 3766.8 | 3777.3 | 3895.5 | 4231.7 | 4428.7 | 4504.9 |
| 20° | 4113.5 | 3879.7 | 3793.0 | 3758.9 | 3761.5 | 3766.8 | 3798.3 | 3961.2 | 4331.5 | 4431.3 | 4413.0 |
| 22.5° | 4142.4 | 3840.3 | 3735.3 | 3685.3 | 3693.2 | 3698.5 | 3745.8 | 3919.1 | 4194.9 | 4210.7 | 4173.9 |
| 25° | 4008.4 | 3730.0 | 3617.0 | 3577.6 | 3588.2 | 3585.5 | 3627.6 | 3753.6 | 3950.6 | 3945.4 | 3924.4 |
| 27.5° | 3808.8 | 3554.0 | 3469.9 | 3443.7 | 3462.1 | 3441.1 | 3454.2 | 3551.4 | 3703.7 | 3698.5 | 3690.6 |
| 30° | 3603.9 | 3383.3 | 3307.1 | 3294.0 | 3317.6 | 3286.1 | 3288.7 | 3370.1 | 3475.2 | 3469.9 | 3467.3 |
| 32.5° | 3399.0 | 3212.5 | 3144.2 | 3144.2 | 3167.9 | 3133.7 | 3139.0 | 3209.9 | 3280.8 | 3259.8 | 3259.8 |
| 35° | 3204.6 | 3073.3 | 3018.1 | 3007.6 | 3026.0 | 3002.4 | 3012.9 | 3078.6 | 3104.8 | 3075.9 | 3057.5 |
| 37.5° | 3033.9 | 2976.1 | 2921.0 | 2884.2 | 2886.8 | 2889.4 | 2921.0 | 2970.9 | 2955.1 | 2913.1 | 2889.4 |
| 40° | 2876.3 | 2876.3 | 2823.8 | 2755.5 | 2747.6 | 2766.0 | 2818.5 | 2873.7 | 2829.0 | 2781.7 | 2752.8 |
| 42.5° | 2763.4 | 2787.0 | 2737.1 | 2668.8 | 2653.0 | 2684.5 | 2742.3 | 2781.7 | 2729.2 | 2676.7 | 2637.3 |
| 45° | 2658.3 | 2716.1 | 2681.9 | 2605.7 | 2584.7 | 2621.5 | 2695.1 | 2710.8 | 2639.9 | 2590.0 | 2561.1 |
| 47.5° | 2584.7 | 2663.5 | 2639.9 | 2566.3 | 2534.8 | 2587.4 | 2663.5 | 2660.9 | 2571.6 | 2519.1 | 2495.4 |
| 50° | 2532.2 | 2632.0 | 2629.4 | 2566.3 | 2532.2 | 2597.9 | 2666.2 | 2632.0 | 2534.8 | 2479.7 | 2456.0 |
| 52.5° | 2490.2 | 2629.4 | 2647.8 | 2611.0 | 2587.4 | 2645.1 | 2687.2 | 2621.5 | 2508.6 | 2450.8 | 2432.4 |
| 55° | 2471.8 | 2639.9 | 2653.0 | 2618.9 | 2597.9 | 2650.4 | 2687.2 | 2642.5 | 2508.6 | 2456.0 | 2440.3 |
| 57.5° | 2477.0 | 2626.8 | 2629.4 | 2582.1 | 2545.3 | 2611.0 | 2668.8 | 2655.7 | 2537.4 | 2477.0 | 2458.6 |
| 60° | 2445.5 | 2555.8 | 2561.1 | 2487.5 | 2445.5 | 2524.3 | 2626.8 | 2618.9 | 2524.3 | 2461.3 | 2427.1 |
| 62.5° | 2340.4 | 2437.6 | 2440.3 | 2372.0 | 2311.5 | 2424.5 | 2537.4 | 2534.8 | 2448.1 | 2385.1 | 2345.7 |
| 65° | 2164.4 | 2266.9 | 2293.2 | 2227.5 | 2180.2 | 2301.0 | 2419.2 | 2414.0 | 2327.3 | 2269.5 | 2230.1 |
| 67.5° | 1946.4 | 2056.8 | 2106.7 | 2062.0 | 2043.6 | 2153.9 | 2264.3 | 2261.6 | 2190.7 | 2135.6 | 2101.4 |
| 70° | 1681.1 | 1773.1 | 1857.1 | 1857.1 | 1844.0 | 1970.1 | 2088.3 | 2077.8 | 2012.1 | 1970.1 | 1943.8 |
| 72.5° | 1460.5 | 1531.4 | 1557.7 | 1583.9 | 1623.3 | 1754.7 | 1854.5 | 1862.4 | 1815.1 | 1794.1 | 1815.1 |
| 75° | 1242.5 | 1287.1 | 1310.8 | 1289.7 | 1358.0 | 1494.6 | 1626.0 | 1639.1 | 1589.2 | 1555.0 | 1562.9 |
| 77.5° | 1021.8 | 1071.7 | 1095.4 | 1048.1 | 1042.8 | 1216.2 | 1376.4 | 1405.3 | 1363.3 | 1310.8 | 1326.5 |
| 80° | 738.1 | 803.8 | 843.2 | 811.7 | 801.2 | 877.3 | 1098.0 | 1129.5 | 1090.1 | 1048.1 | 1071.7 |
| 82.5° | 451.8 | 488.6 | 499.1 | 530.6 | 596.3 | 627.8 | 706.6 | 811.7 | 782.8 | 746.0 | 811.7 |
| 85° | 178.6 | 212.8 | 236.4 | 267.9 | 312.6 | 370.4 | 436.0 | 520.1 | 472.8 | 457.1 | 538.5 |
| 87.5° | 10.5 | 2.6 | 0.0 | 5.3 | 44.7 | 86.7 | 186.5 | 257.4 | 215.4 | 231.2 | 278.4 |
| 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: P642776
 CATALOG NUMBER: GWS-SA6D-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 | 4604.7 |
| 2.5° | 4263.2 | 4331.5 | 4423.5 | 4499.6 | 4596.8 | 4688.8 | 4783.3 | 4877.9 | 4927.8 | 4948.8 |
| 5° | 3961.2 | 4087.2 | 4234.3 | 4397.2 | 4586.3 | 4786.0 | 4988.2 | 5195.7 | 5327.1 | 5337.6 |
| 7.5° | 3779.9 | 3961.2 | 4163.4 | 4368.3 | 4602.1 | 4877.9 | 5198.4 | 5518.8 | 5652.8 | 5689.6 |
| 10° | 3837.7 | 4040.0 | 4200.2 | 4391.9 | 4649.4 | 4993.5 | 5371.7 | 5747.3 | 5902.3 | 5947.0 |
| 12.5° | 4068.8 | 4108.3 | 4158.2 | 4334.2 | 4649.4 | 5093.3 | 5550.3 | 5996.9 | 6162.4 | 6204.4 |
| 15° | 4260.6 | 4071.5 | 3982.2 | 4168.7 | 4586.3 | 5180.0 | 5739.5 | 6233.3 | 6432.9 | 6472.3 |
| 17.5° | 4276.4 | 3950.6 | 3756.3 | 3924.4 | 4476.0 | 5240.4 | 5920.7 | 6496.0 | 6664.1 | 6700.9 |
| 20° | 4116.1 | 3821.9 | 3569.8 | 3672.2 | 4326.3 | 5266.7 | 6052.1 | 6687.7 | 6853.2 | 6890.0 |
| 22.5° | 3934.9 | 3716.9 | 3443.7 | 3438.4 | 4145.0 | 5295.5 | 6209.7 | 6869.0 | 7047.6 | 7071.2 |
| 25° | 3764.1 | 3572.4 | 3341.2 | 3267.7 | 3934.9 | 5350.7 | 6422.4 | 7142.2 | 7278.7 | 7286.6 |
| 27.5° | 3564.5 | 3417.4 | 3259.8 | 3188.9 | 3751.0 | 5455.8 | 6737.6 | 7467.9 | 7549.3 | 7536.2 |
| 30° | 3383.3 | 3272.9 | 3202.0 | 3181.0 | 3635.4 | 5534.6 | 7037.1 | 7788.3 | 7793.6 | 7748.9 |
| 32.5° | 3191.5 | 3149.5 | 3149.5 | 3217.8 | 3540.9 | 5516.2 | 7281.4 | 8100.9 | 8051.0 | 7985.3 |
| 35° | 3020.8 | 3028.7 | 3083.8 | 3244.0 | 3383.3 | 5332.3 | 7515.2 | 8492.3 | 8418.8 | 8324.2 |
| 37.5° | 2857.9 | 2918.3 | 2997.1 | 3152.1 | 3175.8 | 5059.1 | 7788.3 | 9046.6 | 8954.6 | 8836.4 |
| 40° | 2718.7 | 2810.6 | 2902.6 | 2978.7 | 2955.1 | 4670.4 | 8169.2 | 9698.0 | 9595.6 | 9459.0 |
| 42.5° | 2608.4 | 2697.7 | 2800.1 | 2808.0 | 2815.9 | 4265.9 | 8573.7 | 10496.5 | 10478.1 | 10328.4 |
| 45° | 2537.4 | 2595.2 | 2692.4 | 2679.3 | 2808.0 | 3819.3 | 8946.7 | 11715.3 | 11957.0 | 11844.1 |
| 47.5° | 2490.2 | 2534.8 | 2545.3 | 2600.5 | 2876.3 | 3420.0 | 9427.4 | 14100.4 | 14772.9 | 14644.2 |
| 50° | 2463.9 | 2508.6 | 2390.4 | 2605.7 | 2886.8 | 3162.6 | 10092.0 | 17094.9 | 18177.2 | 18006.4 |
| 52.5° | 2461.3 | 2450.8 | 2272.1 | 2660.9 | 2829.0 | 3005.0 | 10438.7 | 19280.4 | 21681.3 | 22051.6 |
| 55° | 2466.5 | 2335.2 | 2211.7 | 2676.7 | 2713.4 | 2947.2 | 9277.7 | 20331.1 | 24914.8 | 25697.6 |
| 57.5° | 2419.2 | 2209.1 | 2245.9 | 2613.6 | 2495.4 | 3102.2 | 6858.5 | 19955.5 | 26207.2 | 27662.4 |
| 60° | 2329.9 | 2088.3 | 2308.9 | 2442.9 | 2272.1 | 2836.9 | 4722.9 | 18279.6 | 24867.5 | 26364.8 |
| 62.5° | 2201.2 | 2004.2 | 2301.0 | 2222.2 | 2190.7 | 2322.1 | 3246.7 | 15933.9 | 22742.5 | 24205.6 |
| 65° | 2056.8 | 1935.9 | 2177.6 | 2009.5 | 2027.9 | 1786.2 | 2295.8 | 13286.1 | 20205.0 | 21644.5 |
| 67.5° | 1901.8 | 1893.9 | 1996.3 | 1788.8 | 1712.6 | 1415.8 | 1673.2 | 10648.9 | 16945.2 | 18242.8 |
| 70° | 1725.8 | 1783.6 | 1815.1 | 1589.2 | 1389.6 | 1111.1 | 1242.5 | 7446.9 | 12500.7 | 13630.3 |
| 72.5° | 1549.8 | 1555.0 | 1599.7 | 1381.7 | 1040.2 | 890.5 | 932.5 | 4510.1 | 8492.3 | 9314.5 |
| 75° | 1371.2 | 1321.3 | 1363.3 | 1124.3 | 774.9 | 730.2 | 719.7 | 2787.0 | 5865.6 | 6514.4 |
| 77.5° | 1179.4 | 1124.3 | 1069.1 | 845.8 | 622.5 | 564.8 | 551.6 | 1562.9 | 3598.7 | 3997.9 |
| 80° | 958.8 | 885.2 | 798.5 | 619.9 | 454.4 | 404.5 | 401.9 | 761.8 | 1794.1 | 1999.0 |
| 82.5° | 746.0 | 606.8 | 583.1 | 386.1 | 281.1 | 246.9 | 262.7 | 291.6 | 541.1 | 604.2 |
| 85° | 522.7 | 441.3 | 310.0 | 155.0 | 126.1 | 102.4 | 99.8 | 86.7 | 144.5 | 160.2 |
| 87.5° | 291.6 | 191.8 | 99.8 | 18.4 | 21.0 | 23.6 | 18.4 | 13.1 | 13.1 | 13.1 |
| 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



LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

Test Information

Test Method: LM-79-2008
 Report Number: SP1-1908-441-4-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-750-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): | 4884 | CRI (Ra): | 73.5 | R9: | -28.4 |
| CIE u': | 0.2101 | R1: | 70.5 | R10: | 48.6 |
| CIE v': | 0.4904 | R2: | 77.7 | R11: | 73.2 |
| Duv: | 0.0037 | R3: | 84.6 | R12: | 50.7 |
| CIE x: | 0.3493 | R4: | 74.7 | R13: | 71.2 |
| CIE y: | 0.3624 | R5: | 71.9 | R14: | 91.4 |
| CIE z: | 0.2884 | R6: | 70.7 | | |
| Peak Wavelength (nm): | 444 | R7: | 81.2 | | |
| Dominant Wavelength (nm): | 571 | R8: | 56.9 | | |
| Purity: | 13.7 | | | | |
| Rf: | 74.9 | | | | |
| Rg: | 96.3 | | | | |



Test Conditions

Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.0./44%
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-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: SP1-1908-441-4-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-4-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 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13493.5 S/P: 1.77

| 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 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

REPORT NUMBER: SP1-1908-441-4-R4

Melanopic Flux vs. Wavelength



Melanopic Lumens: 5378.9 M/P: 0.71

| 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 | 2945 | NR | 490 | 37941 | NR | 620 | 88803 | NR | 750 | 3908 | NR | 880 | 2997 | NR |
| 365 | 2596 | NR | 495 | 48525 | NR | 625 | 80578 | NR | 755 | 3988 | NR | 885 | 2927 | NR |
| 370 | 2732 | NR | 500 | 60609 | NR | 630 | 73127 | NR | 760 | 3335 | NR | 890 | 2649 | NR |
| 375 | 2894 | NR | 505 | 72036 | NR | 635 | 66244 | NR | 765 | 3438 | NR | 895 | 2828 | NR |
| 380 | 2822 | NR | 510 | 82168 | NR | 640 | 59440 | NR | 770 | 3427 | NR | 900 | 1407 | NR |
| 385 | 2394 | NR | 515 | 90898 | NR | 645 | 52864 | NR | 775 | 2759 | NR | 905 | 2224 | NR |
| 390 | 2370 | NR | 520 | 97142 | NR | 650 | 47085 | NR | 780 | 2340 | NR | 910 | 2905 | NR |
| 395 | 2267 | NR | 525 | 103255 | NR | 655 | 41789 | NR | 785 | 2412 | NR | 915 | 3350 | NR |
| 400 | 2262 | NR | 530 | 106697 | NR | 660 | 37064 | NR | 790 | 1999 | NR | 920 | 3114 | NR |
| 405 | 3000 | NR | 535 | 110081 | NR | 665 | 32299 | NR | 795 | 2054 | NR | 925 | 2834 | NR |
| 410 | 5324 | NR | 540 | 112494 | NR | 670 | 28142 | NR | 800 | 2331 | NR | 930 | 2271 | NR |
| 415 | 10725 | NR | 545 | 115513 | NR | 675 | 24505 | NR | 805 | 2648 | NR | 935 | 2228 | NR |
| 420 | 22128 | NR | 550 | 117203 | NR | 680 | 21162 | NR | 810 | 2485 | NR | 940 | 2833 | NR |
| 425 | 44095 | NR | 555 | 119753 | NR | 685 | 18400 | NR | 815 | 2409 | NR | 945 | 2941 | NR |
| 430 | 77002 | NR | 560 | 122602 | NR | 690 | 16065 | NR | 820 | 2221 | NR | 950 | 2323 | NR |
| 435 | 119881 | NR | 565 | 124314 | NR | 695 | 13860 | NR | 825 | 1562 | NR | 955 | 1667 | NR |
| 440 | 164454 | NR | 570 | 126775 | NR | 700 | 12177 | NR | 830 | 2249 | NR | 960 | 749 | NR |
| 445 | 179997 | NR | 575 | 127511 | NR | 705 | 10757 | NR | 835 | 2573 | NR | 965 | 2669 | NR |
| 450 | 142822 | NR | 580 | 127577 | NR | 710 | 9601 | NR | 840 | 2764 | NR | 970 | 3968 | NR |
| 455 | 90008 | NR | 585 | 126153 | NR | 715 | 8944 | NR | 845 | 3109 | NR | 975 | 3886 | NR |
| 460 | 60557 | NR | 590 | 123678 | NR | 720 | 7947 | NR | 850 | 2963 | NR | 980 | 2788 | NR |
| 465 | 43305 | NR | 595 | 119774 | NR | 725 | 7062 | NR | 855 | 2336 | NR | 985 | 3496 | NR |
| 470 | 31089 | NR | 600 | 115733 | NR | 730 | 6004 | NR | 860 | 2118 | NR | 990 | 2913 | NR |
| 475 | 26278 | NR | 605 | 109231 | NR | 735 | 5594 | NR | 865 | 3144 | NR | 995 | 4659 | NR |
| 480 | 27060 | NR | 610 | 102408 | NR | 740 | 5165 | NR | 870 | 3069 | NR | 1000 | 1308 | NR |
| 485 | 30698 | NR | 615 | 96015 | NR | 745 | 4687 | NR | 875 | 3311 | NR | | | |

REPORT NUMBER: SP1-1908-441-4-R4

TM-30-18

Summary

$R_f = 74.9$
 $R_g = 96.3$
 CIE $R_a = 73.5$
 $R_g = -28.4$



Color Vector Graphics



REPORT NUMBER: SP1-1908-441-4-R4

TM-30-18

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

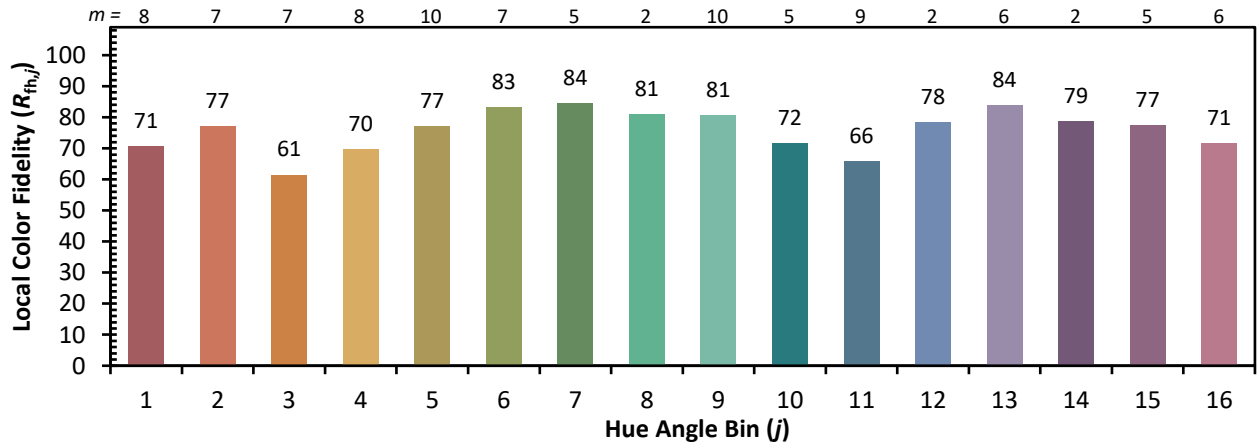
| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 61 | CES51 = 90 | CES76 = 52 |
| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
| CES25 = 71 | CES50 = 89 | CES75 = 58 | |



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)