

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: P643654

Luminaire Tested: GWS-SA6F-735-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-735-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38406.1 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

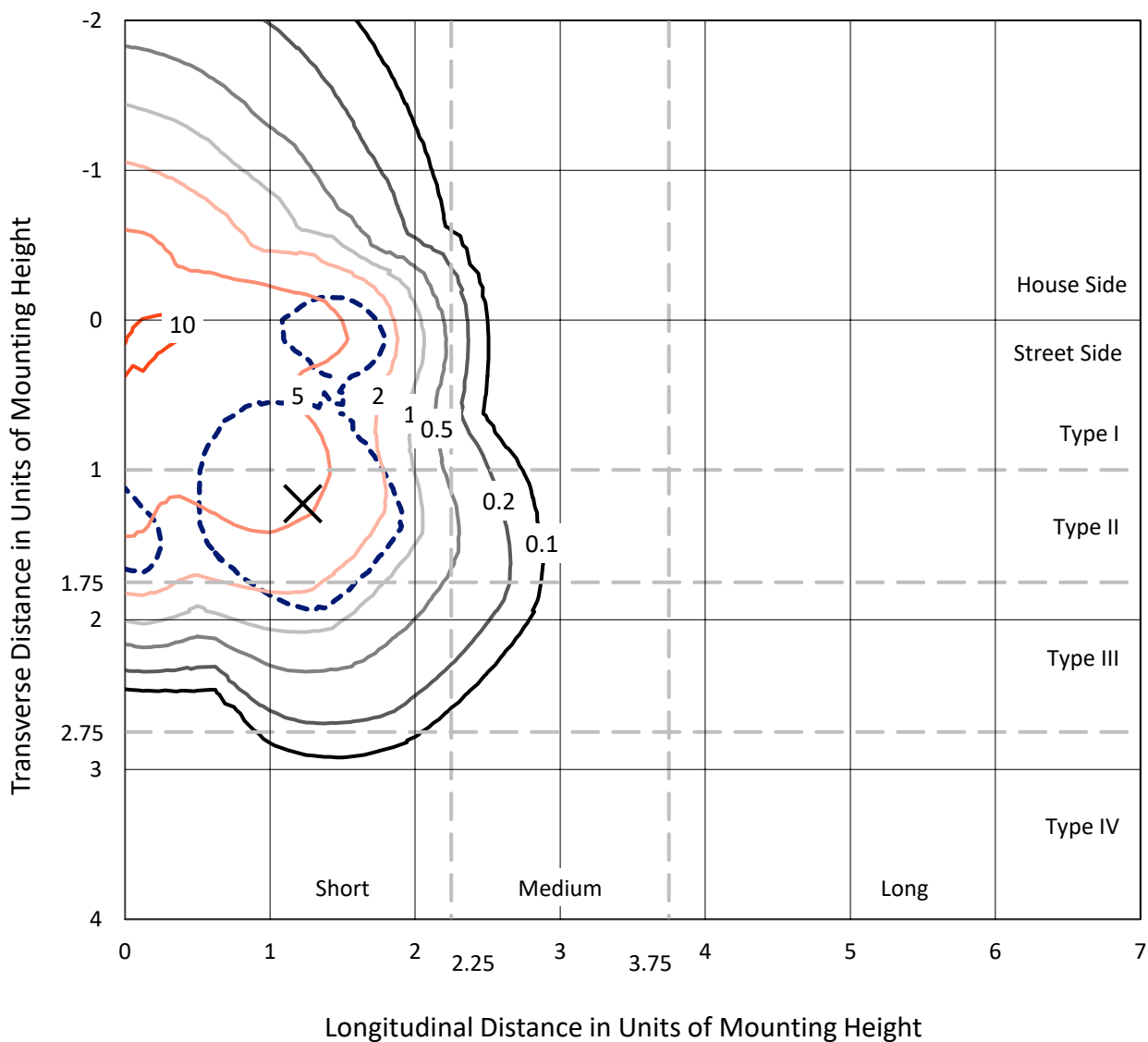
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

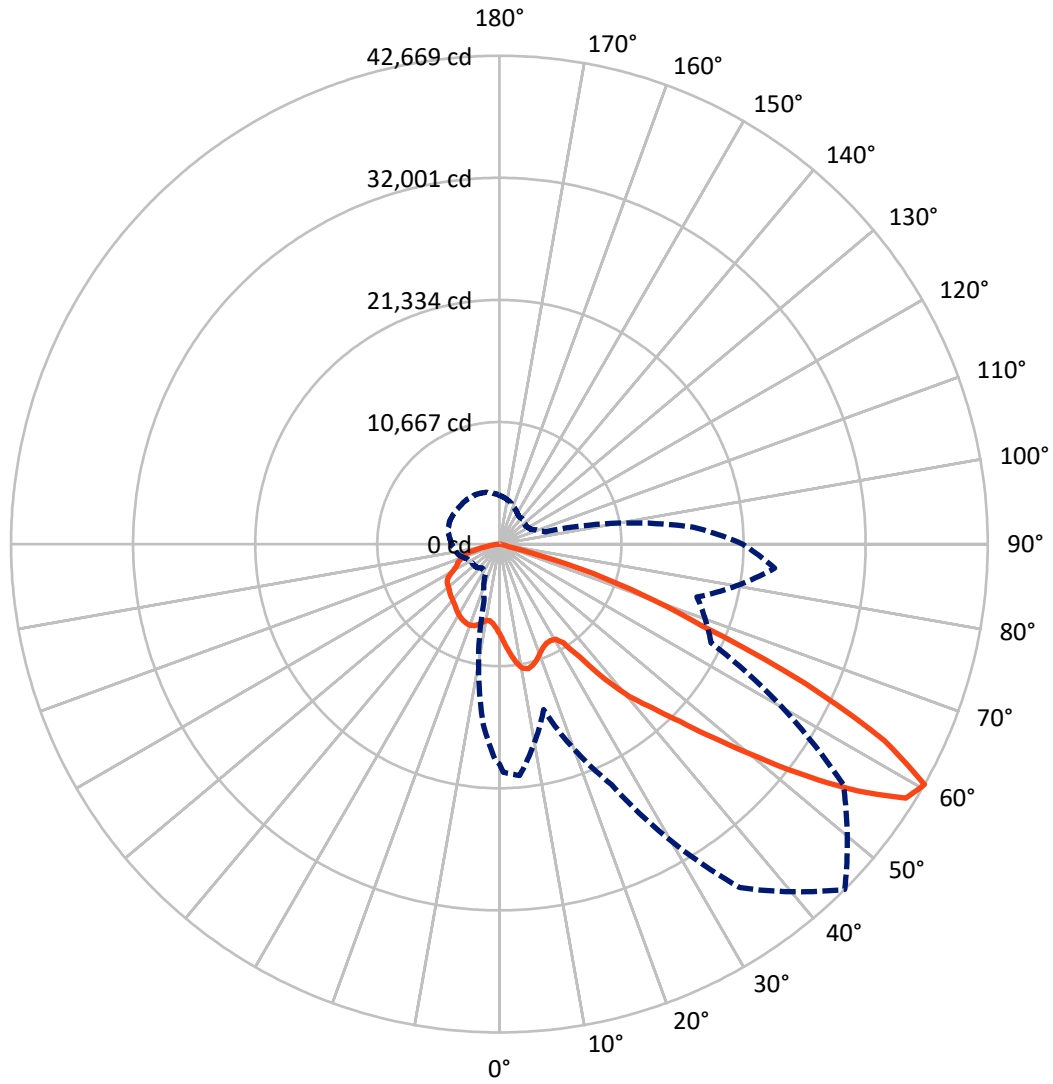
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 13462.7 | 0.0 | 13462.7 |
| | % Fixture | 35.1 | 0.0 | 35.1 |
| Street Side | Lumens | 24943.4 | 0.0 | 24943.4 |
| | % Fixture | 64.9 | 0.0 | 64.9 |
| Total | Lumens | 38406.1 | 0.0 | 38406.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 769.8 | 2.0 |
| 10°-20° | 2432.5 | 6.3 |
| 20°-30° | 3951.3 | 10.3 |
| 30°-40° | 5572.5 | 14.5 |
| 40°-50° | 7701.1 | 20.1 |
| 50°-60° | 9913.5 | 25.8 |
| 60°-70° | 6281.3 | 16.4 |
| 70°-80° | 1611.8 | 4.2 |
| 80°-90° | 172.4 | 0.4 |
| 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° | 38406.1 | 100.0 |
| 0°-180° | 38406.1 | 100.0 |

Coefficient of Utilization



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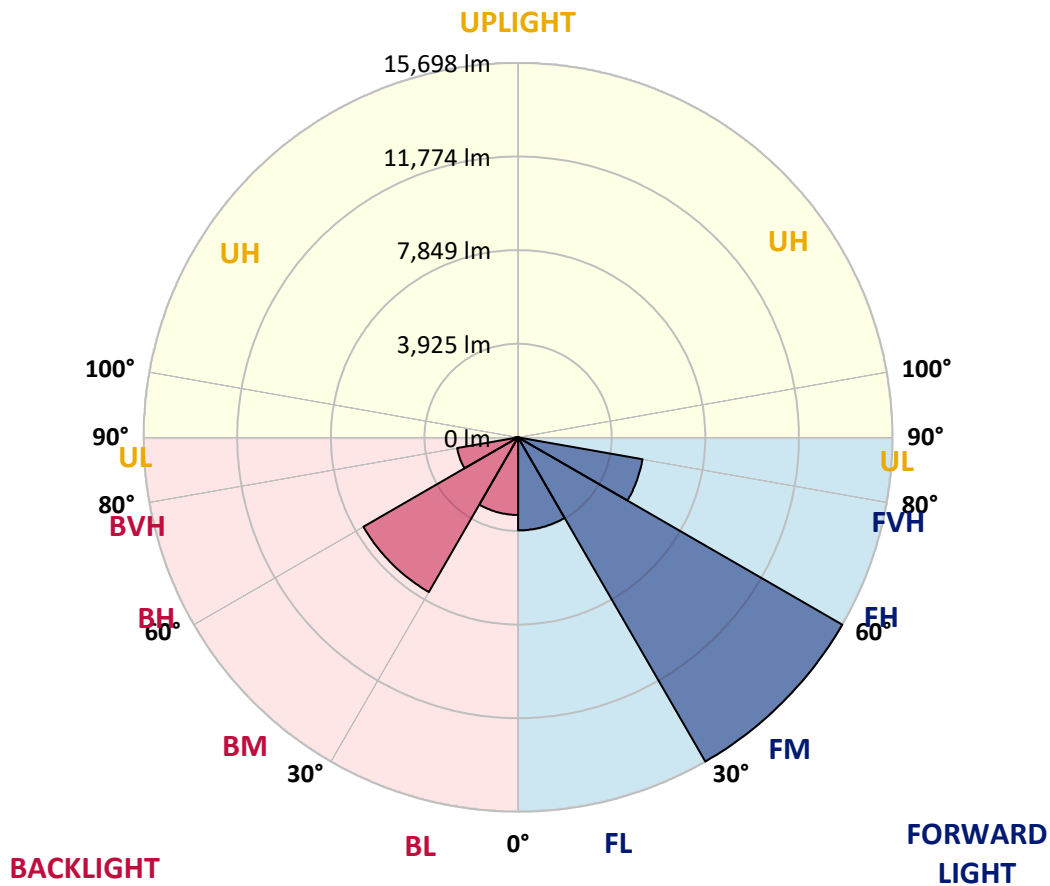
CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3899.7 | 10.2 | | | |
| FM (30°-60°) | 15698.2 | 40.9 | | | |
| FH (60°-80°) | 5298.7 | 13.8 | | | G3/7500 |
| FVH (80°-90°) | 46.8 | 0.1 | | | G1/100 |
| BL (0°-30°) | 3253.9 | 8.5 | B4/5000 | | |
| BM (30°-60°) | 7488.9 | 19.5 | B4/8500 | | |
| BH (60°-80°) | 2594.4 | 6.8 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 125.6 | 0.3 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 |
| 2.5° | 8252.2 | 8308.5 | 8343.7 | 8410.6 | 8530.2 | 8597.1 | 8671.0 | 8590.0 | 8611.1 | 8600.6 | 8470.4 |
| 5° | 8741.4 | 8808.2 | 8899.7 | 9096.8 | 9318.5 | 9441.6 | 9557.8 | 9540.2 | 9431.1 | 9248.1 | 9117.9 |
| 7.5° | 9198.8 | 9276.2 | 9434.6 | 9754.8 | 10082.1 | 10272.1 | 10412.9 | 10321.4 | 10229.9 | 9941.4 | 9614.1 |
| 10° | 9557.8 | 9603.5 | 9818.2 | 10247.5 | 10627.6 | 10842.2 | 11014.7 | 10993.6 | 10866.9 | 10543.1 | 10103.2 |
| 12.5° | 9895.6 | 9927.3 | 10159.5 | 10588.9 | 10930.2 | 11025.2 | 11166.0 | 11211.7 | 11169.5 | 10926.7 | 10493.8 |
| 15° | 10258.1 | 10317.9 | 10532.6 | 10859.8 | 11014.7 | 10916.1 | 10965.4 | 11092.1 | 11211.7 | 11211.7 | 10814.1 |
| 17.5° | 10595.9 | 10648.7 | 10866.9 | 11007.6 | 10859.8 | 10599.4 | 10613.5 | 10775.4 | 11060.4 | 11359.5 | 11106.2 |
| 20° | 10895.0 | 10944.3 | 11158.9 | 11025.2 | 10557.2 | 10177.1 | 10166.6 | 10363.6 | 10824.6 | 11454.5 | 11419.4 |
| 22.5° | 11222.3 | 11292.7 | 11472.1 | 11039.3 | 10275.7 | 9793.6 | 9790.0 | 9994.1 | 10617.0 | 11549.6 | 11778.3 |
| 25° | 11686.8 | 11795.9 | 11887.4 | 11162.5 | 10124.3 | 9543.7 | 9589.4 | 9783.0 | 10550.2 | 11704.4 | 12309.7 |
| 27.5° | 12376.5 | 12464.5 | 12457.5 | 11419.4 | 10117.3 | 9441.6 | 9536.7 | 9761.9 | 10669.8 | 11978.9 | 12869.2 |
| 30° | 13122.6 | 13168.3 | 13094.4 | 11778.3 | 10279.2 | 9505.0 | 9645.8 | 9913.2 | 10972.4 | 12432.8 | 13692.7 |
| 32.5° | 13949.6 | 14005.9 | 13865.1 | 12316.7 | 10655.7 | 9973.0 | 10282.7 | 10412.9 | 11398.2 | 13087.4 | 14565.4 |
| 35° | 14899.7 | 15008.8 | 14716.7 | 13027.6 | 11764.2 | 11679.8 | 12130.2 | 11961.3 | 12302.6 | 13861.6 | 15498.0 |
| 37.5° | 15899.1 | 15902.6 | 15483.9 | 14079.8 | 13939.0 | 14083.3 | 14984.2 | 14456.3 | 14220.5 | 14723.8 | 16448.1 |
| 40° | 16747.2 | 16726.1 | 16082.1 | 15498.0 | 15832.3 | 16405.9 | 17493.3 | 16683.9 | 16064.5 | 15881.5 | 17236.4 |
| 42.5° | 17595.3 | 17517.9 | 16866.9 | 16398.8 | 17137.8 | 18316.7 | 19544.9 | 18552.5 | 17246.9 | 16933.7 | 18014.1 |
| 45° | 18679.2 | 18654.6 | 17869.8 | 16757.8 | 18316.7 | 20456.3 | 22085.6 | 20477.4 | 17947.2 | 17546.0 | 19309.1 |
| 47.5° | 20428.2 | 20308.5 | 18848.1 | 16729.6 | 19421.7 | 23306.8 | 25365.4 | 22902.1 | 18436.4 | 17560.1 | 21399.4 |
| 50° | 22138.4 | 21990.6 | 20016.4 | 16726.1 | 20561.9 | 26262.8 | 29236.4 | 25847.5 | 18936.1 | 17644.6 | 23524.9 |
| 52.5° | 23866.3 | 23866.3 | 21934.3 | 17123.8 | 21758.4 | 29563.6 | 33709.1 | 29517.9 | 19787.7 | 18749.6 | 26139.6 |
| 55° | 24893.8 | 25168.3 | 24091.5 | 17795.9 | 23159.0 | 33448.7 | 38132.6 | 33480.4 | 21103.8 | 20744.9 | 28553.7 |
| 57.5° | 23588.3 | 24102.1 | 23947.2 | 17327.9 | 23985.9 | 36302.7 | 41883.9 | 36485.6 | 21754.8 | 20980.7 | 28191.2 |
| 60° | 19221.1 | 19935.5 | 20290.9 | 14963.1 | 23169.5 | 36633.4 | 42668.6 | 36682.7 | 20410.6 | 17866.3 | 24147.8 |
| 62.5° | 12777.7 | 13365.4 | 13907.3 | 10690.9 | 20058.7 | 32956.0 | 37738.4 | 32966.6 | 17046.3 | 13333.7 | 16729.6 |
| 65° | 6267.5 | 6703.8 | 7288.0 | 6320.2 | 15670.4 | 27536.7 | 29422.9 | 26639.3 | 12330.8 | 7463.9 | 8533.7 |
| 67.5° | 1639.9 | 1763.1 | 1844.0 | 2452.8 | 11225.8 | 19784.2 | 19189.4 | 19485.1 | 7921.4 | 2438.7 | 2231.1 |
| 70° | 851.6 | 858.7 | 855.1 | 1013.5 | 7587.1 | 12573.6 | 13224.6 | 12235.8 | 5528.4 | 1020.5 | 879.8 |
| 72.5° | 608.8 | 612.3 | 601.8 | 682.7 | 3663.3 | 7203.5 | 7463.9 | 7383.0 | 2896.2 | 605.3 | 601.8 |
| 75° | 397.7 | 401.2 | 394.1 | 401.2 | 552.5 | 819.9 | 756.6 | 795.3 | 482.1 | 383.6 | 383.6 |
| 77.5° | 235.8 | 239.3 | 235.8 | 242.8 | 235.8 | 235.8 | 218.2 | 218.2 | 207.6 | 207.6 | 211.1 |
| 80° | 158.4 | 158.4 | 154.8 | 161.9 | 147.8 | 147.8 | 140.8 | 137.2 | 126.7 | 123.2 | 123.2 |
| 82.5° | 95.0 | 98.5 | 95.0 | 95.0 | 88.0 | 88.0 | 80.9 | 77.4 | 66.9 | 66.9 | 63.3 |
| 85° | 49.3 | 49.3 | 45.7 | 45.7 | 38.7 | 35.2 | 28.2 | 28.2 | 21.1 | 17.6 | 17.6 |
| 87.5° | 7.0 | 7.0 | 3.5 | 3.5 | 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-SA6F-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 |
| 2.5° | 8435.2 | 8364.8 | 8259.2 | 8157.2 | 8062.2 | 7963.6 | 7851.0 | 7734.9 | 7636.4 | 7534.3 | 7481.5 |
| 5° | 8945.5 | 8801.2 | 8526.7 | 8283.9 | 8065.7 | 7886.2 | 7692.7 | 7527.3 | 7372.4 | 7245.8 | 7182.4 |
| 7.5° | 9406.5 | 9181.2 | 8766.0 | 8382.4 | 8086.8 | 7840.5 | 7573.0 | 7326.7 | 7119.1 | 6964.2 | 6904.4 |
| 10° | 9832.3 | 9564.8 | 9019.4 | 8533.7 | 8188.9 | 7914.4 | 7587.1 | 7252.8 | 6978.3 | 6774.2 | 6724.9 |
| 12.5° | 10177.1 | 9871.0 | 9219.9 | 8656.9 | 8248.7 | 7953.1 | 7664.5 | 7376.0 | 7105.0 | 6841.1 | 6798.8 |
| 15° | 10483.3 | 10120.8 | 9371.3 | 8734.3 | 8227.6 | 7851.0 | 7608.2 | 7573.0 | 7573.0 | 7273.9 | 7189.4 |
| 17.5° | 10747.2 | 10349.6 | 9494.4 | 8769.5 | 8093.8 | 7548.4 | 7400.6 | 7706.7 | 8051.6 | 7837.0 | 7646.9 |
| 20° | 11049.9 | 10567.7 | 9596.5 | 8769.5 | 7847.5 | 7164.8 | 7150.7 | 7671.6 | 8181.8 | 8185.3 | 7984.8 |
| 22.5° | 11356.0 | 10821.1 | 9716.1 | 8737.8 | 7509.7 | 6721.4 | 6981.8 | 7530.8 | 7984.8 | 8178.3 | 8041.1 |
| 25° | 11852.2 | 11173.0 | 9906.2 | 8713.2 | 7115.5 | 6418.8 | 6830.5 | 7344.3 | 7727.9 | 7932.0 | 7844.0 |
| 27.5° | 12482.1 | 11637.5 | 10194.7 | 8751.9 | 6724.9 | 6239.3 | 6668.6 | 7101.5 | 7449.9 | 7629.3 | 7566.0 |
| 30° | 13185.9 | 12172.4 | 10504.4 | 8818.8 | 6443.4 | 6147.8 | 6475.1 | 6823.5 | 7133.1 | 7312.6 | 7284.5 |
| 32.5° | 14083.3 | 12753.1 | 10771.9 | 8727.3 | 6285.0 | 6102.1 | 6271.0 | 6520.8 | 6819.9 | 6932.6 | 6957.2 |
| 35° | 15156.6 | 13393.6 | 10976.0 | 8368.3 | 6140.8 | 6052.8 | 6049.3 | 6204.1 | 6415.3 | 6594.7 | 6612.3 |
| 37.5° | 16145.5 | 14143.1 | 11201.2 | 7752.5 | 5880.4 | 5929.6 | 5788.9 | 5880.4 | 6088.0 | 6267.5 | 6337.8 |
| 40° | 17123.8 | 14903.2 | 11514.4 | 6967.7 | 5539.0 | 5655.1 | 5489.7 | 5553.1 | 5718.5 | 5954.3 | 6066.9 |
| 42.5° | 18073.9 | 15589.4 | 11845.2 | 6165.4 | 5197.7 | 5271.6 | 5148.4 | 5211.7 | 5384.2 | 5679.8 | 5806.5 |
| 45° | 19108.5 | 16518.5 | 12102.1 | 5408.8 | 4902.1 | 4870.4 | 4771.8 | 4863.3 | 5123.8 | 5447.5 | 5598.8 |
| 47.5° | 21065.1 | 17982.4 | 12271.0 | 4905.6 | 4743.7 | 4515.0 | 4402.3 | 4599.4 | 4895.0 | 5222.3 | 5405.3 |
| 50° | 23454.6 | 20100.9 | 12221.7 | 4585.3 | 4606.5 | 4149.0 | 4110.3 | 4370.7 | 4687.4 | 5028.7 | 5229.3 |
| 52.5° | 25347.8 | 22180.7 | 11662.2 | 4279.2 | 4339.0 | 3916.7 | 3804.1 | 4184.2 | 4486.8 | 4835.2 | 5042.8 |
| 55° | 26794.1 | 22880.9 | 9944.9 | 3916.7 | 3902.6 | 3747.8 | 3512.0 | 3990.6 | 4286.2 | 4610.0 | 4835.2 |
| 57.5° | 25615.3 | 21322.0 | 7372.4 | 3417.0 | 3332.6 | 3413.5 | 3184.8 | 3663.3 | 4039.9 | 4360.1 | 4560.7 |
| 60° | 21258.7 | 17000.6 | 4106.7 | 3026.4 | 2787.1 | 2984.2 | 2949.0 | 3318.5 | 3772.4 | 4110.3 | 4282.7 |
| 62.5° | 14431.7 | 11320.8 | 2435.2 | 2393.0 | 2259.2 | 2540.8 | 2727.3 | 2970.1 | 3417.0 | 3691.5 | 3853.4 |
| 65° | 7193.0 | 5500.3 | 1618.8 | 1791.2 | 1808.8 | 2090.3 | 2442.2 | 2709.7 | 3082.7 | 3364.2 | 3526.1 |
| 67.5° | 2086.8 | 1710.3 | 1231.7 | 1368.9 | 1558.9 | 1784.2 | 2065.7 | 2382.4 | 2744.9 | 3079.2 | 3269.2 |
| 70° | 900.9 | 911.4 | 978.3 | 1140.2 | 1326.7 | 1558.9 | 1840.5 | 2150.1 | 2456.3 | 2713.2 | 2857.5 |
| 72.5° | 637.0 | 661.6 | 735.5 | 900.9 | 1076.8 | 1298.5 | 1580.1 | 1879.2 | 2100.9 | 2361.3 | 2512.6 |
| 75° | 408.2 | 425.8 | 485.6 | 612.3 | 742.5 | 957.2 | 1224.6 | 1499.1 | 1727.9 | 1914.4 | 2058.7 |
| 77.5° | 225.2 | 228.7 | 278.0 | 351.9 | 439.9 | 577.1 | 774.2 | 988.9 | 1157.8 | 1263.3 | 1393.5 |
| 80° | 130.2 | 130.2 | 154.8 | 200.6 | 253.4 | 337.8 | 446.9 | 552.5 | 654.5 | 721.4 | 784.8 |
| 82.5° | 70.4 | 70.4 | 80.9 | 109.1 | 137.2 | 186.5 | 249.9 | 302.6 | 366.0 | 401.2 | 443.4 |
| 85° | 21.1 | 21.1 | 28.2 | 38.7 | 49.3 | 70.4 | 98.5 | 126.7 | 154.8 | 179.5 | 204.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 |
| 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-SA6F-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 |
| 2.5° | 7471.0 | 7421.7 | 7393.6 | 7358.4 | 7368.9 | 7337.2 | 7319.7 | 7330.2 | 7266.9 | 7330.2 | 7393.6 |
| 5° | 7157.8 | 7087.4 | 7031.1 | 6985.3 | 6964.2 | 6922.0 | 6897.4 | 6897.4 | 6858.7 | 6922.0 | 6999.4 |
| 7.5° | 6883.3 | 6827.0 | 6798.8 | 6770.7 | 6739.0 | 6700.3 | 6658.1 | 6644.0 | 6619.4 | 6686.2 | 6753.1 |
| 10° | 6700.3 | 6707.3 | 6724.9 | 6763.6 | 6756.6 | 6732.0 | 6668.6 | 6633.4 | 6633.4 | 6710.9 | 6812.9 |
| 12.5° | 6784.8 | 6858.7 | 6900.9 | 6971.3 | 6985.3 | 6964.2 | 6900.9 | 6872.7 | 6943.1 | 7059.2 | 7228.2 |
| 15° | 7112.0 | 7161.3 | 7196.5 | 7252.8 | 7249.3 | 7231.7 | 7182.4 | 7203.5 | 7435.8 | 7661.0 | 7812.3 |
| 17.5° | 7467.5 | 7411.1 | 7404.1 | 7439.3 | 7449.9 | 7428.7 | 7400.6 | 7495.6 | 7879.2 | 8090.3 | 8167.7 |
| 20° | 7724.3 | 7530.8 | 7488.6 | 7502.6 | 7530.8 | 7520.2 | 7520.2 | 7675.1 | 8072.7 | 8171.3 | 8072.7 |
| 22.5° | 7801.8 | 7527.3 | 7463.9 | 7467.5 | 7506.2 | 7509.7 | 7527.3 | 7689.2 | 7921.4 | 7924.9 | 7773.6 |
| 25° | 7678.6 | 7414.7 | 7368.9 | 7376.0 | 7421.7 | 7418.2 | 7425.2 | 7516.7 | 7618.8 | 7576.5 | 7463.9 |
| 27.5° | 7446.3 | 7217.6 | 7203.5 | 7242.2 | 7302.1 | 7270.4 | 7249.3 | 7273.9 | 7323.2 | 7270.4 | 7171.8 |
| 30° | 7182.4 | 6988.9 | 6995.9 | 7069.8 | 7133.1 | 7080.4 | 7027.6 | 7041.6 | 7045.2 | 6988.9 | 6876.2 |
| 32.5° | 6904.4 | 6760.1 | 6784.8 | 6862.2 | 6936.1 | 6879.8 | 6823.5 | 6816.4 | 6749.6 | 6682.7 | 6573.6 |
| 35° | 6626.4 | 6570.1 | 6601.8 | 6665.1 | 6728.4 | 6682.7 | 6647.5 | 6626.4 | 6482.1 | 6383.6 | 6292.1 |
| 37.5° | 6373.0 | 6415.3 | 6471.6 | 6510.3 | 6531.4 | 6527.9 | 6506.7 | 6457.5 | 6267.5 | 6151.3 | 6031.7 |
| 40° | 6147.8 | 6278.0 | 6337.8 | 6355.4 | 6387.1 | 6380.1 | 6376.5 | 6306.2 | 6056.3 | 5933.1 | 5795.9 |
| 42.5° | 5943.7 | 6126.7 | 6228.7 | 6246.3 | 6263.9 | 6267.5 | 6256.9 | 6154.8 | 5869.8 | 5725.5 | 5595.3 |
| 45° | 5746.6 | 5985.9 | 6116.1 | 6098.5 | 6123.2 | 6123.2 | 6133.7 | 6000.0 | 5686.8 | 5539.0 | 5401.8 |
| 47.5° | 5574.2 | 5855.7 | 5975.4 | 5954.3 | 5968.3 | 5978.9 | 5989.4 | 5834.6 | 5486.2 | 5345.5 | 5204.7 |
| 50° | 5415.8 | 5715.0 | 5817.0 | 5824.0 | 5824.0 | 5848.7 | 5845.2 | 5693.8 | 5317.3 | 5166.0 | 5025.2 |
| 52.5° | 5246.9 | 5570.7 | 5679.8 | 5725.5 | 5739.6 | 5750.1 | 5700.9 | 5524.9 | 5144.9 | 4961.9 | 4831.7 |
| 55° | 5049.9 | 5422.9 | 5521.4 | 5581.2 | 5609.4 | 5602.3 | 5535.5 | 5356.0 | 4968.9 | 4785.9 | 4638.1 |
| 57.5° | 4750.7 | 5106.2 | 5246.9 | 5275.1 | 5320.8 | 5292.7 | 5215.3 | 5063.9 | 4687.4 | 4504.4 | 4353.1 |
| 60° | 4423.5 | 4680.4 | 4793.0 | 4817.6 | 4782.4 | 4793.0 | 4782.4 | 4638.1 | 4310.9 | 4166.6 | 4011.7 |
| 62.5° | 3994.1 | 4222.9 | 4342.5 | 4374.2 | 4314.4 | 4353.1 | 4339.0 | 4159.5 | 3832.3 | 3680.9 | 3543.7 |
| 65° | 3670.4 | 3920.2 | 4061.0 | 4078.6 | 4061.0 | 4078.6 | 4029.3 | 3811.1 | 3501.5 | 3346.6 | 3205.9 |
| 67.5° | 3417.0 | 3673.9 | 3821.7 | 3871.0 | 3853.4 | 3849.9 | 3772.4 | 3519.1 | 3198.8 | 3029.9 | 2850.4 |
| 70° | 2980.6 | 3205.9 | 3395.9 | 3515.5 | 3515.5 | 3448.7 | 3300.9 | 3065.1 | 2808.2 | 2663.9 | 2523.2 |
| 72.5° | 2639.3 | 2924.3 | 3110.9 | 3234.0 | 3258.7 | 3219.9 | 3012.3 | 2762.5 | 2466.9 | 2322.6 | 2174.8 |
| 75° | 2174.8 | 2452.8 | 2653.4 | 2815.3 | 2846.9 | 2804.7 | 2565.4 | 2319.1 | 2044.6 | 1903.8 | 1756.0 |
| 77.5° | 1453.4 | 1618.8 | 1780.6 | 1928.4 | 1896.8 | 1924.9 | 1763.1 | 1576.5 | 1407.6 | 1302.1 | 1235.2 |
| 80° | 819.9 | 929.0 | 978.3 | 1059.2 | 1059.2 | 1059.2 | 953.7 | 865.7 | 770.7 | 710.9 | 644.0 |
| 82.5° | 464.5 | 534.9 | 556.0 | 622.9 | 640.5 | 644.0 | 573.6 | 517.3 | 457.5 | 425.8 | 380.1 |
| 85° | 214.7 | 253.4 | 256.9 | 295.6 | 309.7 | 337.8 | 306.2 | 267.4 | 232.3 | 218.2 | 190.0 |
| 87.5° | 7.0 | 21.1 | 28.2 | 52.8 | 70.4 | 80.9 | 88.0 | 88.0 | 73.9 | 66.9 | 56.3 |
| 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: P643654

CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 | 7889.7 |
| 2.5° | 7471.0 | 7555.4 | 7654.0 | 7724.3 | 7851.0 | 7956.6 | 8065.7 | 8185.3 | 8273.3 | 8252.2 |
| 5° | 7094.4 | 7235.2 | 7414.7 | 7580.1 | 7815.8 | 8055.1 | 8319.1 | 8590.0 | 8748.4 | 8741.4 |
| 7.5° | 6883.3 | 7083.9 | 7302.1 | 7523.8 | 7801.8 | 8146.6 | 8551.3 | 8973.6 | 9188.3 | 9198.8 |
| 10° | 6995.9 | 7210.6 | 7358.4 | 7544.9 | 7837.0 | 8269.8 | 8755.4 | 9262.2 | 9508.5 | 9557.8 |
| 12.5° | 7351.3 | 7333.7 | 7323.2 | 7456.9 | 7808.8 | 8357.8 | 8952.5 | 9557.8 | 9835.8 | 9895.6 |
| 15° | 7689.2 | 7326.7 | 7108.5 | 7200.0 | 7682.1 | 8414.1 | 9146.0 | 9881.5 | 10194.7 | 10258.1 |
| 17.5° | 7752.5 | 7203.5 | 6798.8 | 6862.2 | 7481.5 | 8431.7 | 9332.6 | 10198.2 | 10536.1 | 10595.9 |
| 20° | 7576.5 | 7045.2 | 6573.6 | 6485.6 | 7228.2 | 8385.9 | 9448.7 | 10462.2 | 10831.7 | 10895.0 |
| 22.5° | 7354.8 | 6904.4 | 6404.7 | 6176.0 | 6918.5 | 8340.2 | 9578.9 | 10740.2 | 11166.0 | 11222.3 |
| 25° | 7122.6 | 6724.9 | 6246.3 | 5897.9 | 6566.6 | 8312.0 | 9797.1 | 11106.2 | 11619.9 | 11686.8 |
| 27.5° | 6876.2 | 6506.7 | 6109.1 | 5764.2 | 6242.8 | 8347.2 | 10106.7 | 11697.4 | 12281.5 | 12376.5 |
| 30° | 6612.3 | 6288.6 | 6021.1 | 5718.5 | 6021.1 | 8378.9 | 10448.1 | 12302.6 | 12988.9 | 13122.6 |
| 32.5° | 6337.8 | 6088.0 | 5929.6 | 5739.6 | 5883.9 | 8305.0 | 10747.2 | 12981.8 | 13833.4 | 13949.6 |
| 35° | 6063.3 | 5883.9 | 5813.5 | 5778.3 | 5700.9 | 8034.0 | 10990.0 | 13668.0 | 14797.7 | 14899.7 |
| 37.5° | 5806.5 | 5672.7 | 5651.6 | 5690.3 | 5419.4 | 7590.6 | 11271.6 | 14540.8 | 15744.3 | 15899.1 |
| 40° | 5567.2 | 5444.0 | 5440.5 | 5433.4 | 5109.7 | 6985.3 | 11651.6 | 15427.6 | 16676.8 | 16747.2 |
| 42.5° | 5345.5 | 5190.6 | 5218.8 | 5134.3 | 4856.3 | 6330.8 | 12010.6 | 16184.2 | 17546.0 | 17595.3 |
| 45° | 5148.4 | 4944.3 | 4976.0 | 4870.4 | 4736.7 | 5644.6 | 12327.3 | 17078.0 | 18647.5 | 18679.2 |
| 47.5° | 4958.4 | 4740.2 | 4652.2 | 4645.2 | 4715.5 | 5011.1 | 12637.0 | 18798.8 | 20371.9 | 20428.2 |
| 50° | 4782.4 | 4546.6 | 4296.8 | 4451.6 | 4585.3 | 4536.1 | 13024.1 | 20642.8 | 22152.5 | 22138.4 |
| 52.5° | 4613.5 | 4303.8 | 3948.4 | 4247.5 | 4247.5 | 4184.2 | 12915.0 | 21761.9 | 23623.5 | 23866.3 |
| 55° | 4419.9 | 3913.2 | 3585.9 | 3906.2 | 3751.3 | 3867.4 | 10983.0 | 22127.9 | 24549.0 | 24893.8 |
| 57.5° | 4036.4 | 3431.1 | 3146.0 | 3318.5 | 3086.2 | 3585.9 | 7889.7 | 20312.0 | 22976.0 | 23588.3 |
| 60° | 3666.9 | 3075.7 | 2889.2 | 2857.5 | 2554.8 | 2924.3 | 5113.2 | 15902.6 | 18911.4 | 19221.1 |
| 62.5° | 3234.0 | 2769.5 | 2611.1 | 2368.3 | 2055.1 | 2129.0 | 3096.8 | 10465.7 | 12707.3 | 12777.7 |
| 65° | 2906.7 | 2509.1 | 2206.5 | 1917.9 | 1682.1 | 1544.9 | 1829.9 | 5046.3 | 6351.9 | 6267.5 |
| 67.5° | 2495.0 | 2150.1 | 1861.6 | 1654.0 | 1460.4 | 1288.0 | 1217.6 | 1499.1 | 1696.2 | 1639.9 |
| 70° | 2220.5 | 1889.7 | 1611.7 | 1414.7 | 1235.2 | 1062.8 | 939.6 | 883.3 | 865.7 | 851.6 |
| 72.5° | 1914.4 | 1625.8 | 1337.2 | 1147.2 | 978.3 | 819.9 | 707.3 | 640.5 | 622.9 | 608.8 |
| 75° | 1527.3 | 1256.3 | 992.4 | 812.9 | 665.1 | 552.5 | 478.6 | 422.3 | 411.7 | 397.7 |
| 77.5° | 1010.0 | 805.9 | 591.2 | 482.1 | 394.1 | 334.3 | 285.0 | 249.9 | 242.8 | 235.8 |
| 80° | 556.0 | 464.5 | 362.5 | 292.1 | 235.8 | 204.1 | 186.5 | 165.4 | 161.9 | 158.4 |
| 82.5° | 330.8 | 278.0 | 207.6 | 165.4 | 137.2 | 123.2 | 112.6 | 102.1 | 98.5 | 95.0 |
| 85° | 165.4 | 130.2 | 91.5 | 77.4 | 70.4 | 63.3 | 63.3 | 52.8 | 49.3 | 49.3 |
| 87.5° | 42.2 | 35.2 | 21.1 | 17.6 | 17.6 | 17.6 | 14.1 | 10.6 | 10.6 | 7.0 |
| 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

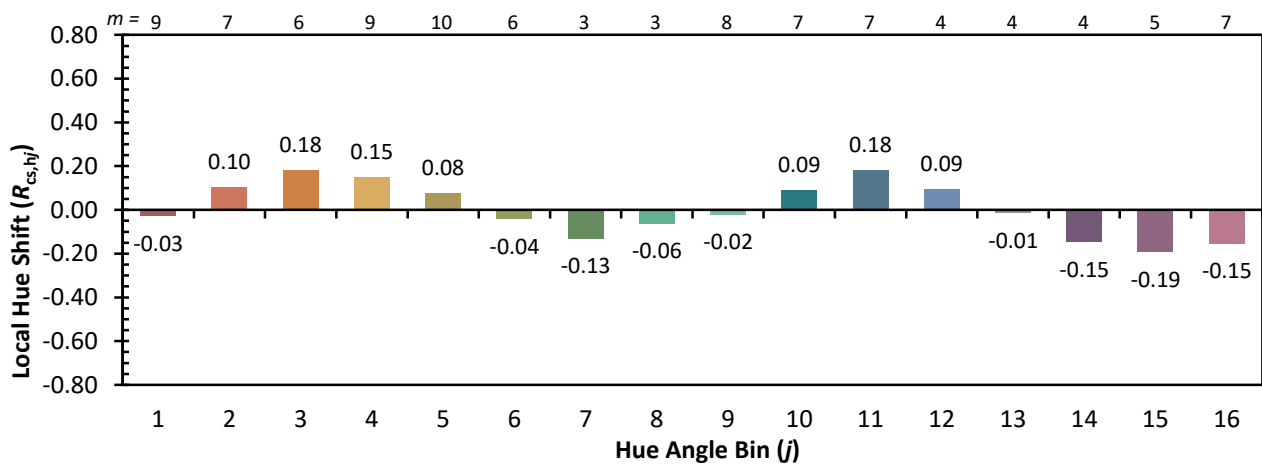


Individual Sample Fidelity Index ($R_{f,i}$)

| | | | |
|------------|------------|------------|------------|
| 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)