

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: P642472

Luminaire Tested: GWS-SA6D-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23920.4 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

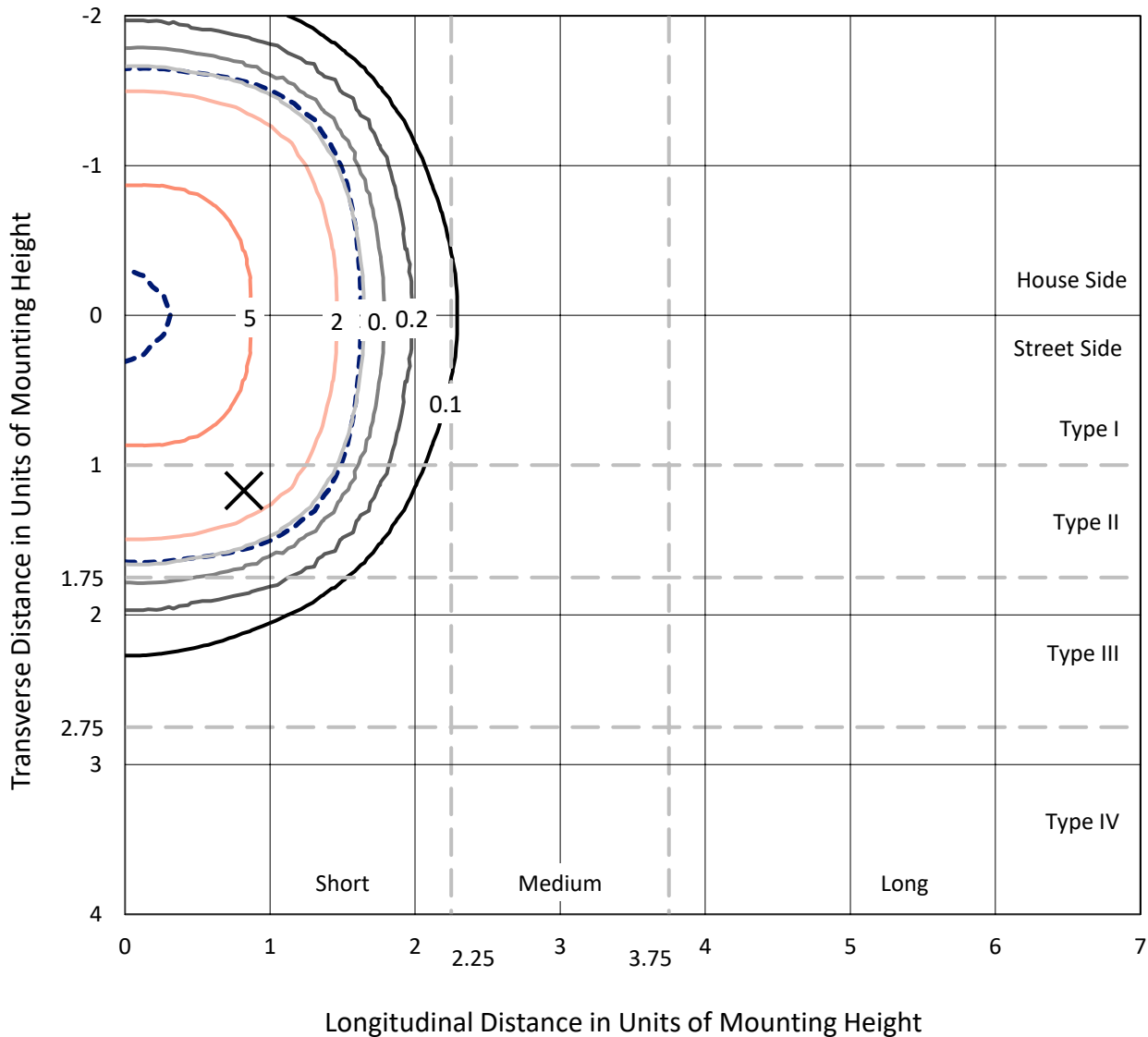
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

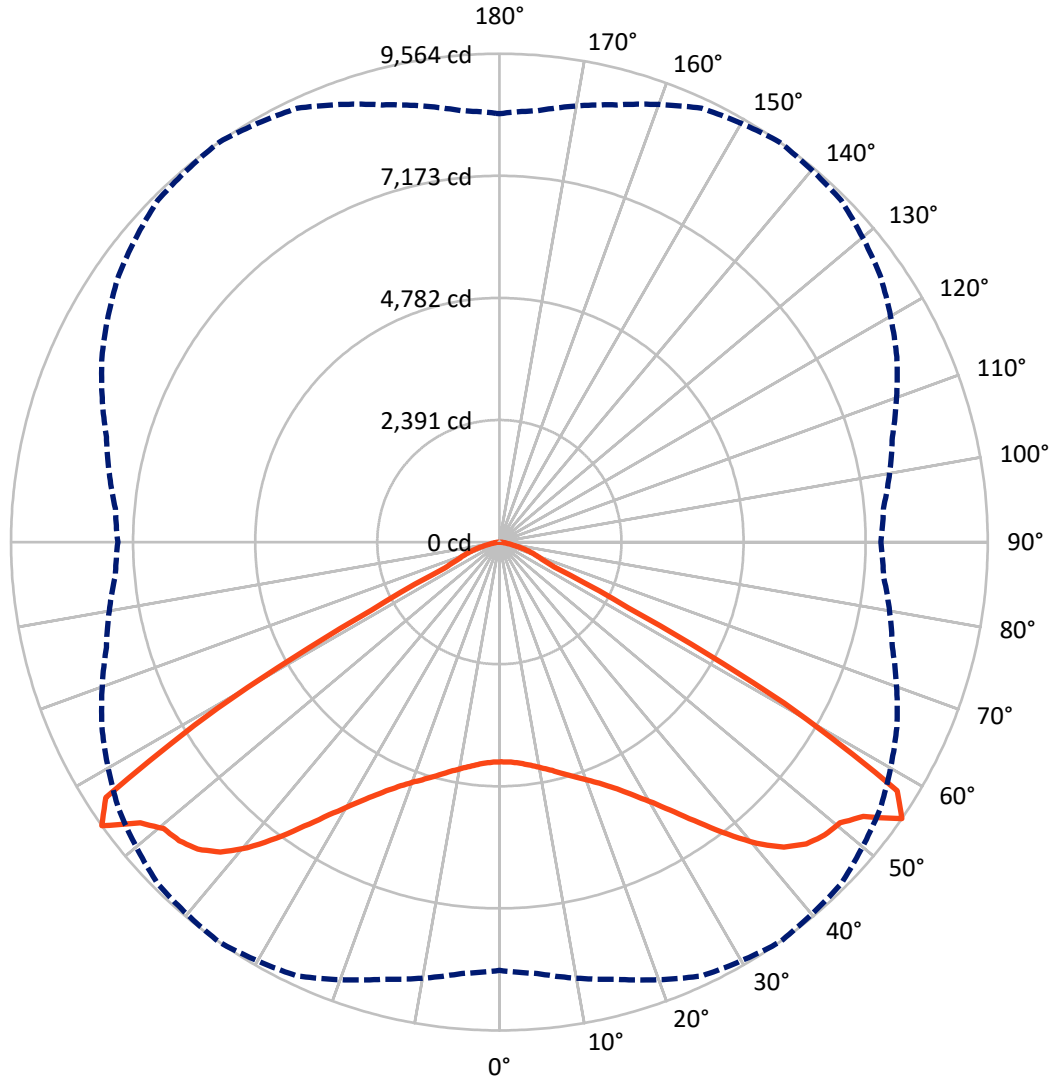
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11960.2 | 0.0 | 11960.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 11960.2 | 0.0 | 11960.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 23920.4 | 0.0 | 23920.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 419.7 | 1.8 |
| 10°-20° | 1336.3 | 5.6 |
| 20°-30° | 2473.3 | 10.3 |
| 30°-40° | 4137.4 | 17.3 |
| 40°-50° | 6304.7 | 26.4 |
| 50°-60° | 7062.5 | 29.5 |
| 60°-70° | 1671.1 | 7.0 |
| 70°-80° | 450.5 | 1.9 |
| 80°-90° | 64.8 | 0.3 |
| 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° | 23920.4 | 100.0 |
| 0°-180° | 23920.4 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P642472

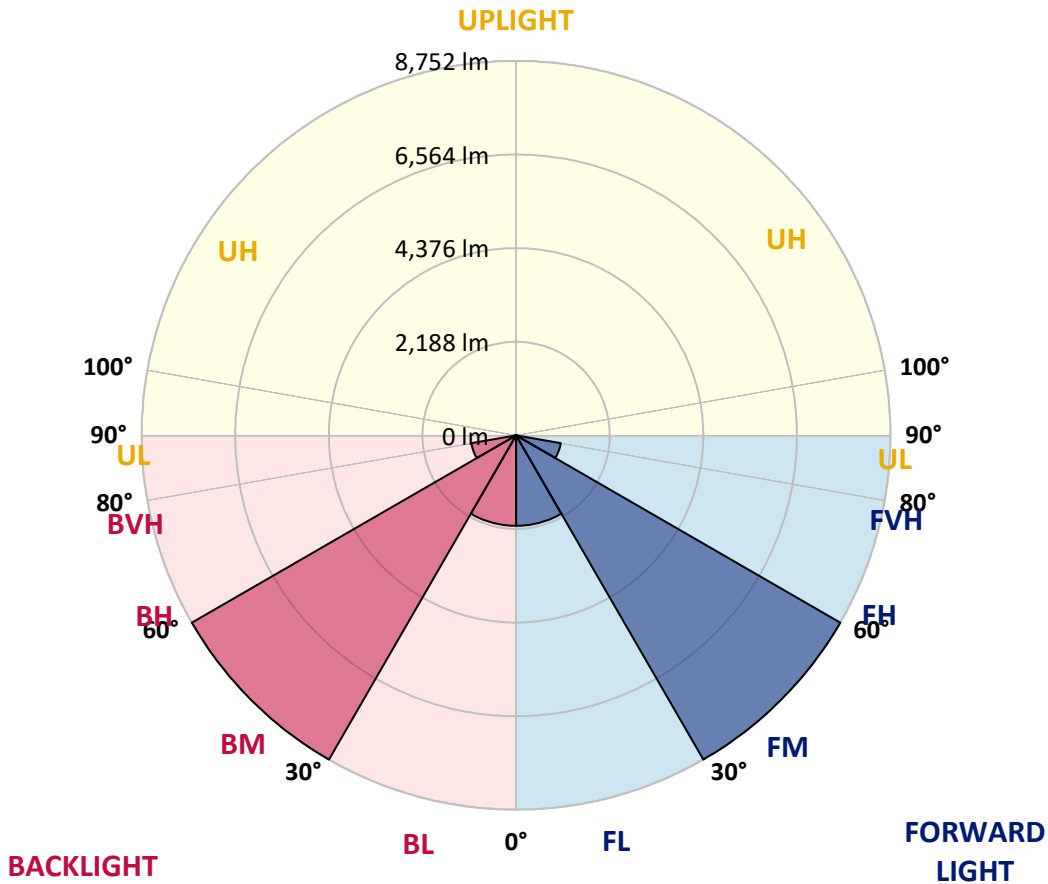
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2114.7 | 8.8 | | | |
| FM (30°-60°) | 8752.3 | 36.6 | | | |
| FH (60°-80°) | 1060.8 | 4.4 | | | G1/1800 |
| FVH (80°-90°) | 32.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 2114.7 | 8.8 | B3/2500 | | |
| BM (30°-60°) | 8752.3 | 36.6 | B5 | | |
| BH (60°-80°) | 1060.8 | 4.4 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 32.4 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 | 4303.3 |
| 2.5° | 4293.9 | 4293.9 | 4301.5 | 4310.9 | 4312.8 | 4331.7 | 4327.9 | 4320.4 | 4316.6 | 4309.0 | 4326.0 |
| 5° | 4341.2 | 4343.1 | 4348.7 | 4354.4 | 4350.6 | 4365.8 | 4360.1 | 4350.6 | 4345.0 | 4335.5 | 4352.5 |
| 7.5° | 4403.6 | 4403.6 | 4409.3 | 4416.8 | 4413.1 | 4435.8 | 4424.4 | 4411.2 | 4401.7 | 4390.4 | 4405.5 |
| 10° | 4460.3 | 4464.1 | 4469.8 | 4484.9 | 4492.5 | 4517.1 | 4509.5 | 4490.6 | 4475.5 | 4462.2 | 4479.3 |
| 12.5° | 4545.5 | 4549.2 | 4554.9 | 4575.7 | 4589.0 | 4613.6 | 4602.2 | 4575.7 | 4553.0 | 4534.1 | 4553.0 |
| 15° | 4655.2 | 4651.4 | 4666.5 | 4693.0 | 4710.0 | 4732.7 | 4719.5 | 4674.1 | 4643.8 | 4619.2 | 4638.2 |
| 17.5° | 4766.8 | 4764.9 | 4780.0 | 4814.1 | 4838.7 | 4868.9 | 4846.2 | 4793.3 | 4761.1 | 4730.8 | 4749.8 |
| 20° | 4887.8 | 4893.5 | 4908.6 | 4940.8 | 4976.7 | 5016.5 | 4997.6 | 4940.8 | 4904.9 | 4870.8 | 4886.0 |
| 22.5° | 5037.3 | 5039.2 | 5056.2 | 5097.8 | 5145.1 | 5182.9 | 5171.6 | 5101.6 | 5056.2 | 5020.3 | 5039.2 |
| 25° | 5217.0 | 5215.1 | 5237.8 | 5287.0 | 5353.2 | 5391.0 | 5366.4 | 5288.9 | 5239.7 | 5198.1 | 5213.2 |
| 27.5° | 5423.2 | 5421.3 | 5455.3 | 5519.6 | 5614.2 | 5667.2 | 5616.1 | 5519.6 | 5451.5 | 5392.9 | 5406.1 |
| 30° | 5682.3 | 5676.6 | 5714.5 | 5801.5 | 5924.4 | 6013.3 | 5937.7 | 5803.4 | 5714.5 | 5652.0 | 5665.3 |
| 32.5° | 5969.8 | 5977.4 | 6024.7 | 6142.0 | 6297.1 | 6412.5 | 6299.0 | 6149.5 | 6030.4 | 5939.6 | 5954.7 |
| 35° | 6285.7 | 6285.7 | 6382.2 | 6527.8 | 6749.2 | 6902.4 | 6726.5 | 6510.8 | 6351.9 | 6227.1 | 6230.9 |
| 37.5° | 6637.6 | 6641.3 | 6768.1 | 6968.6 | 7258.0 | 7437.7 | 7199.4 | 6932.6 | 6739.7 | 6605.4 | 6597.8 |
| 40° | 7066.9 | 7078.3 | 7208.8 | 7432.0 | 7757.4 | 7921.9 | 7666.6 | 7405.5 | 7208.8 | 7049.9 | 7034.8 |
| 42.5° | 7551.2 | 7555.0 | 7693.1 | 7893.6 | 8167.8 | 8266.2 | 8065.7 | 7851.9 | 7691.2 | 7547.4 | 7532.3 |
| 45° | 8012.7 | 8003.3 | 8122.4 | 8271.9 | 8430.8 | 8440.2 | 8328.6 | 8241.6 | 8101.6 | 7978.7 | 7956.0 |
| 47.5° | 8372.1 | 8364.6 | 8472.4 | 8553.7 | 8572.6 | 8480.0 | 8515.9 | 8529.1 | 8366.5 | 8200.0 | 8156.5 |
| 50° | 8591.6 | 8606.7 | 8708.8 | 8754.2 | 8642.6 | 8491.3 | 8627.5 | 8593.4 | 8360.8 | 8143.3 | 8073.3 |
| 52.5° | 8724.0 | 8746.7 | 8924.5 | 9039.9 | 8924.5 | 8780.7 | 8799.6 | 8599.1 | 8264.3 | 7976.8 | 7886.0 |
| 55° | 8389.2 | 8480.0 | 8863.9 | 9374.7 | 9563.8 | 9463.6 | 9104.2 | 8587.8 | 7967.3 | 7549.3 | 7471.7 |
| 57.5° | 6217.6 | 6361.4 | 6930.7 | 8037.3 | 9187.4 | 9552.5 | 8502.7 | 7199.4 | 6259.2 | 5722.0 | 5676.6 |
| 60° | 3174.1 | 3334.9 | 3790.7 | 4927.6 | 6406.8 | 6921.3 | 5922.5 | 4609.8 | 3664.0 | 3228.9 | 3179.7 |
| 62.5° | 1295.7 | 1322.2 | 1471.6 | 1910.5 | 2831.7 | 3266.8 | 2869.5 | 2014.5 | 1513.3 | 1394.1 | 1396.0 |
| 65° | 1019.6 | 1025.2 | 1017.7 | 1044.2 | 1186.0 | 1316.5 | 1216.3 | 1068.7 | 1042.3 | 1055.5 | 1046.0 |
| 67.5° | 889.0 | 890.9 | 885.3 | 885.3 | 890.9 | 885.3 | 896.6 | 902.3 | 906.1 | 921.2 | 911.7 |
| 70° | 743.4 | 745.3 | 745.3 | 749.1 | 747.2 | 737.7 | 754.7 | 762.3 | 764.2 | 773.7 | 768.0 |
| 72.5° | 575.0 | 580.7 | 584.5 | 586.4 | 584.5 | 578.8 | 588.3 | 601.5 | 599.6 | 609.1 | 599.6 |
| 75° | 389.7 | 397.2 | 401.0 | 408.6 | 406.7 | 406.7 | 418.0 | 423.7 | 418.0 | 425.6 | 418.0 |
| 77.5° | 221.3 | 227.0 | 238.3 | 245.9 | 253.5 | 259.1 | 266.7 | 270.5 | 268.6 | 272.4 | 268.6 |
| 80° | 128.6 | 130.5 | 140.0 | 143.8 | 153.2 | 162.7 | 170.2 | 174.0 | 175.9 | 177.8 | 175.9 |
| 82.5° | 73.8 | 75.7 | 79.4 | 83.2 | 90.8 | 98.4 | 105.9 | 111.6 | 111.6 | 113.5 | 111.6 |
| 85° | 35.9 | 35.9 | 37.8 | 39.7 | 43.5 | 49.2 | 54.9 | 60.5 | 62.4 | 62.4 | 62.4 |
| 87.5° | 5.7 | 5.7 | 7.6 | 7.6 | 9.5 | 11.3 | 15.1 | 18.9 | 20.8 | 20.8 | 20.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)