

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: P642476

Luminaire Tested: GWS-SA6D-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26750.2 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

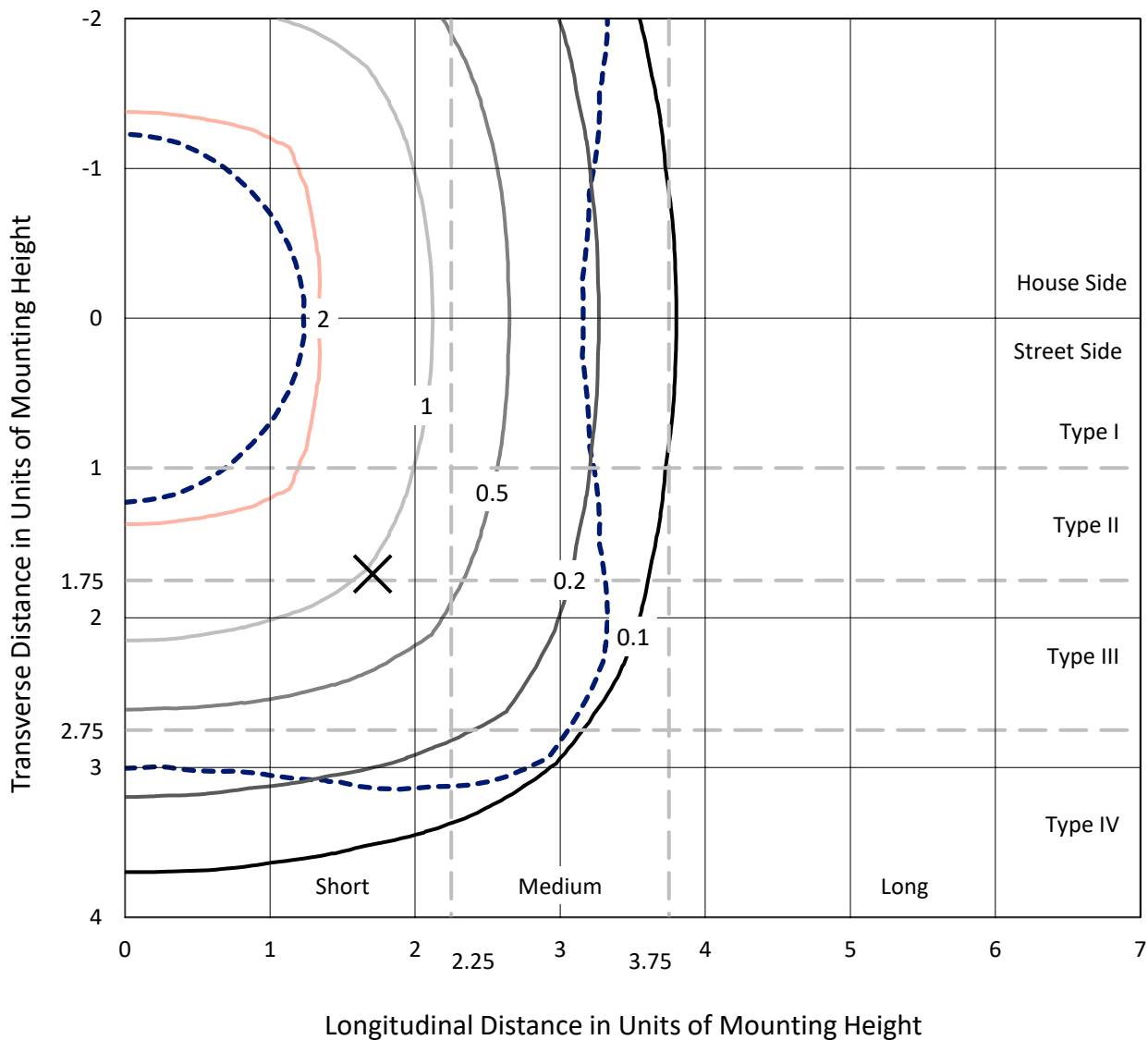
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

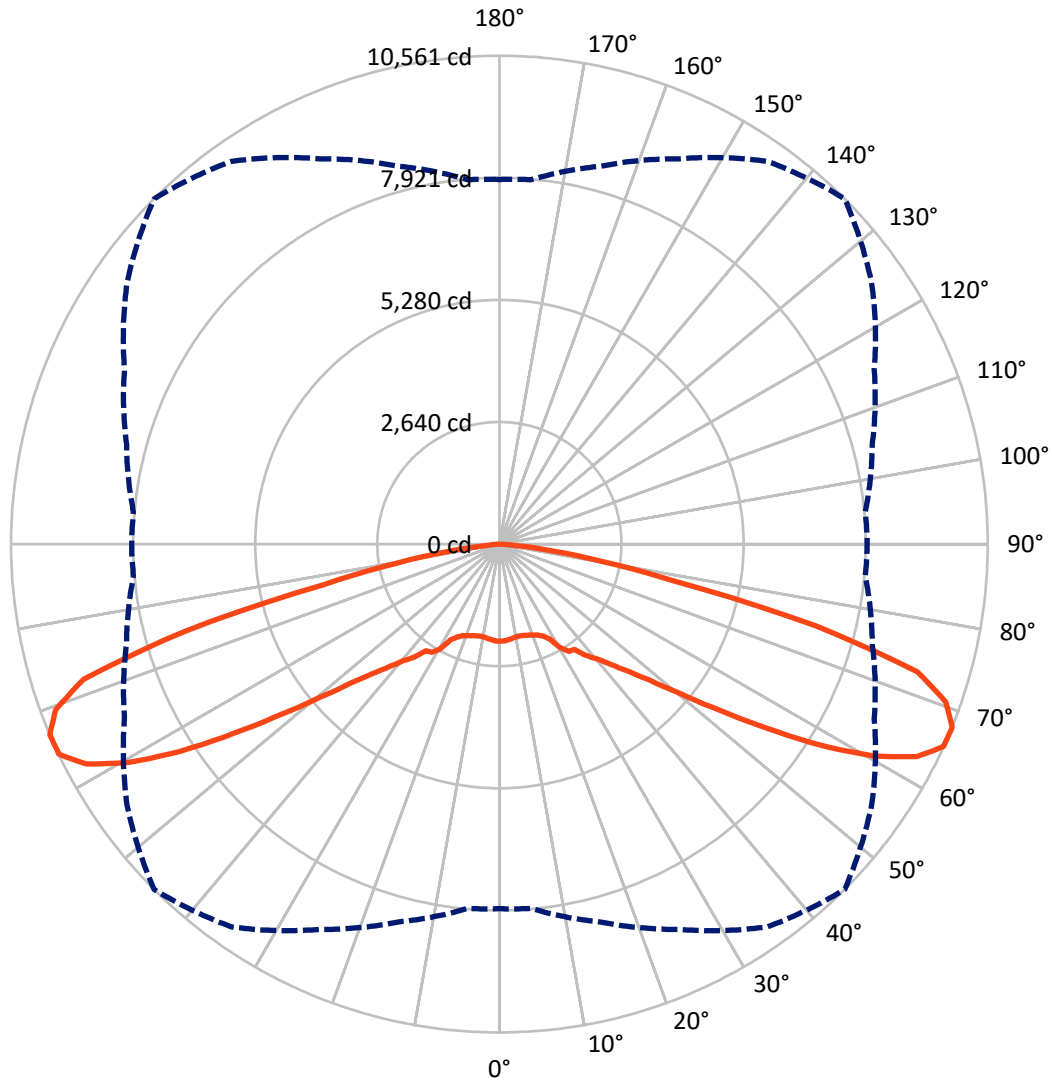
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 13375.1 | 0.0 | 13375.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 13375.1 | 0.0 | 13375.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 26750.2 | 0.0 | 26750.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 197.0 | 0.7 |
| 10°-20° | 584.5 | 2.2 |
| 20°-30° | 1048.5 | 3.9 |
| 30°-40° | 1771.2 | 6.6 |
| 40°-50° | 3112.1 | 11.6 |
| 50°-60° | 6003.3 | 22.4 |
| 60°-70° | 8710.0 | 32.6 |
| 70°-80° | 4983.5 | 18.6 |
| 80°-90° | 340.1 | 1.3 |
| 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° | 26750.2 | 100.0 |
| 0°-180° | 26750.2 | 100.0 |

Coefficient of Utilization



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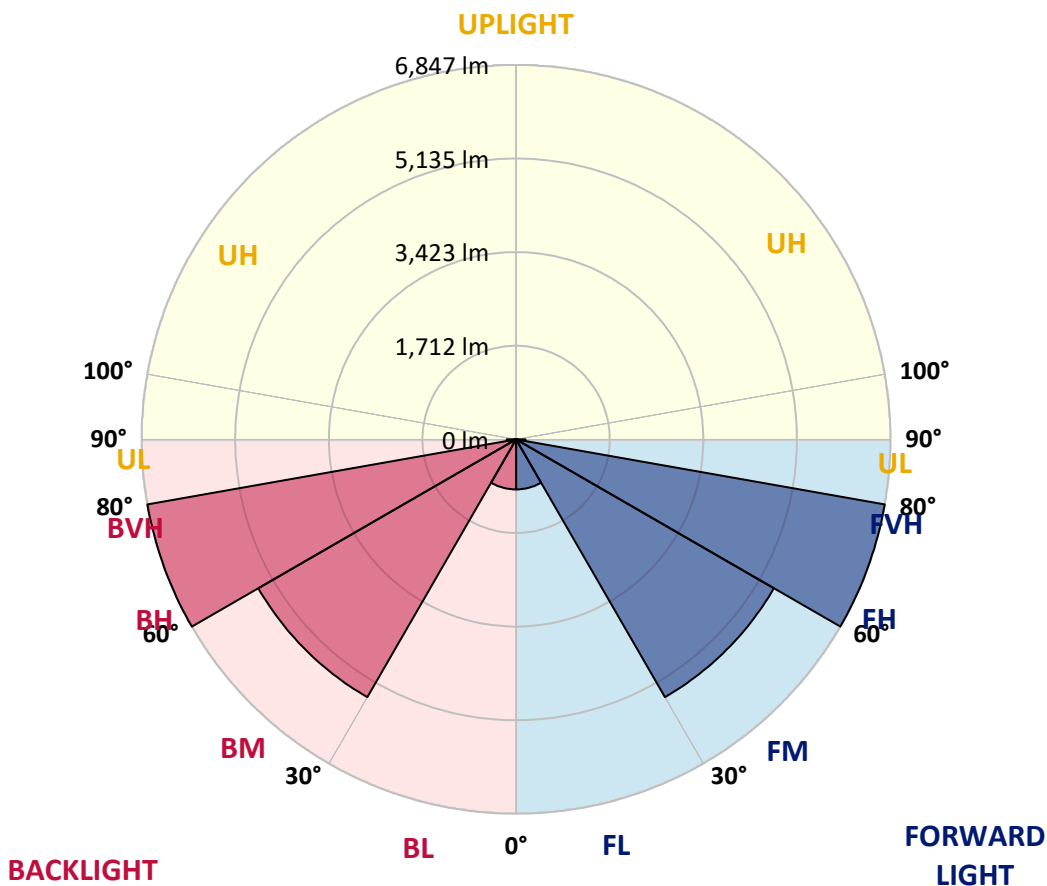
CATALOG NUMBER: GWS-SA6D-722-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 915.0 | 3.4 | | | |
| FM (30°-60°) | 5443.3 | 20.3 | | | |
| FH (60°-80°) | 6846.7 | 25.6 | | | G3/7500 |
| FVH (80°-90°) | 170.1 | 0.6 | | | G2/225 |
| BL (0°-30°) | 915.0 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 5443.3 | 20.3 | B4/8500 | | |
| BH (60°-80°) | 6846.7 | 25.6 | B5 | | G3/7500 |
| BVH (80°-90°) | 170.1 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 | 2097.8 |
| 2.5° | 2080.7 | 2082.6 | 2086.4 | 2086.4 | 2090.2 | 2095.9 | 2097.8 | 2094.0 | 2095.9 | 2086.4 | 2095.9 |
| 5° | 2075.1 | 2077.0 | 2078.8 | 2075.1 | 2075.1 | 2077.0 | 2077.0 | 2073.2 | 2075.1 | 2065.6 | 2075.1 |
| 7.5° | 2061.8 | 2063.7 | 2063.7 | 2058.0 | 2052.4 | 2056.1 | 2056.1 | 2052.4 | 2054.3 | 2044.8 | 2056.1 |
| 10° | 2050.5 | 2050.5 | 2048.6 | 2037.2 | 2031.6 | 2037.2 | 2039.1 | 2041.0 | 2048.6 | 2041.0 | 2054.3 |
| 12.5° | 2058.0 | 2058.0 | 2052.4 | 2037.2 | 2027.8 | 2031.6 | 2035.3 | 2039.1 | 2052.4 | 2050.5 | 2065.6 |
| 15° | 2078.8 | 2080.7 | 2065.6 | 2048.6 | 2042.9 | 2048.6 | 2044.8 | 2042.9 | 2059.9 | 2065.6 | 2082.6 |
| 17.5° | 2095.9 | 2095.9 | 2077.0 | 2059.9 | 2061.8 | 2071.3 | 2063.7 | 2054.3 | 2071.3 | 2082.6 | 2101.5 |
| 20° | 2111.0 | 2109.1 | 2088.3 | 2077.0 | 2084.5 | 2097.8 | 2092.1 | 2078.8 | 2090.2 | 2103.4 | 2120.5 |
| 22.5° | 2148.8 | 2146.9 | 2124.2 | 2118.6 | 2126.1 | 2139.4 | 2133.7 | 2122.4 | 2135.6 | 2154.5 | 2175.3 |
| 25° | 2256.7 | 2252.9 | 2218.8 | 2199.9 | 2196.1 | 2205.6 | 2203.7 | 2199.9 | 2220.7 | 2243.4 | 2268.0 |
| 27.5° | 2400.4 | 2398.5 | 2373.9 | 2355.0 | 2330.4 | 2322.9 | 2328.5 | 2345.6 | 2375.8 | 2392.8 | 2413.7 |
| 30° | 2472.3 | 2472.3 | 2468.5 | 2498.8 | 2551.7 | 2602.8 | 2563.1 | 2498.8 | 2472.3 | 2464.7 | 2485.5 |
| 32.5° | 2566.9 | 2576.3 | 2563.1 | 2597.1 | 2686.0 | 2761.7 | 2686.0 | 2582.0 | 2563.1 | 2563.1 | 2585.8 |
| 35° | 2784.4 | 2788.2 | 2767.4 | 2761.7 | 2790.1 | 2799.5 | 2763.6 | 2725.8 | 2746.6 | 2750.4 | 2778.7 |
| 37.5° | 2958.4 | 2958.4 | 2949.0 | 2964.1 | 3022.7 | 3058.7 | 3000.0 | 2931.9 | 2937.6 | 2941.4 | 2977.3 |
| 40° | 3227.0 | 3234.6 | 3211.9 | 3210.0 | 3232.7 | 3264.9 | 3202.4 | 3158.9 | 3189.2 | 3198.7 | 3253.5 |
| 42.5° | 3561.8 | 3561.8 | 3527.8 | 3518.3 | 3533.5 | 3567.5 | 3508.9 | 3480.5 | 3520.2 | 3527.8 | 3560.0 |
| 45° | 3961.0 | 3970.4 | 3925.0 | 3908.0 | 3915.6 | 3926.9 | 3885.3 | 3872.1 | 3909.9 | 3926.9 | 3983.7 |
| 47.5° | 4447.1 | 4456.6 | 4416.8 | 4414.9 | 4407.4 | 4414.9 | 4375.2 | 4367.7 | 4397.9 | 4384.7 | 4445.2 |
| 50° | 5046.7 | 5063.8 | 5029.7 | 5077.0 | 5071.3 | 5094.0 | 5039.2 | 4999.4 | 4999.4 | 4963.5 | 4997.6 |
| 52.5° | 5718.2 | 5752.3 | 5769.3 | 5848.8 | 5909.3 | 5966.0 | 5875.2 | 5812.8 | 5722.0 | 5648.3 | 5740.9 |
| 55° | 6450.3 | 6440.8 | 6548.6 | 6722.7 | 6900.5 | 7034.8 | 6857.0 | 6660.3 | 6512.7 | 6359.5 | 6395.4 |
| 57.5° | 7091.5 | 7123.7 | 7265.6 | 7583.3 | 7935.2 | 8218.9 | 7899.2 | 7520.9 | 7186.1 | 6966.7 | 6997.0 |
| 60° | 7625.0 | 7651.4 | 7840.6 | 8298.4 | 8913.1 | 9304.7 | 8797.7 | 8173.5 | 7687.4 | 7384.7 | 7416.9 |
| 62.5° | 8116.8 | 8141.4 | 8332.4 | 8837.5 | 9613.0 | 10123.7 | 9469.2 | 8616.1 | 8075.2 | 7770.6 | 7789.5 |
| 65° | 8400.5 | 8415.6 | 8676.7 | 9208.2 | 10025.4 | 10553.1 | 9815.4 | 8935.8 | 8404.3 | 8094.1 | 8105.4 |
| 67.5° | 7884.1 | 7908.7 | 8459.1 | 9193.1 | 10104.8 | 10560.7 | 9830.5 | 8945.3 | 8347.5 | 7942.7 | 7952.2 |
| 70° | 6219.5 | 6198.7 | 6855.1 | 8116.8 | 9648.9 | 10242.9 | 9393.6 | 8273.8 | 7350.7 | 6785.1 | 6775.6 |
| 72.5° | 4742.2 | 4747.9 | 5112.9 | 5977.4 | 7867.1 | 9452.2 | 8288.9 | 6662.1 | 5667.2 | 5237.8 | 5220.8 |
| 75° | 3438.9 | 3491.9 | 3788.8 | 4422.5 | 5502.6 | 7065.0 | 6240.3 | 4937.0 | 4271.2 | 4013.9 | 3976.1 |
| 77.5° | 1549.2 | 1617.3 | 2031.6 | 2776.8 | 3679.1 | 3904.2 | 3919.4 | 3351.9 | 2529.0 | 2101.5 | 2035.3 |
| 80° | 452.1 | 484.2 | 622.3 | 1065.0 | 1713.8 | 2215.0 | 1759.2 | 1479.2 | 921.2 | 722.6 | 688.5 |
| 82.5° | 191.0 | 217.5 | 266.7 | 295.1 | 497.5 | 1027.1 | 639.4 | 406.7 | 378.3 | 306.4 | 280.0 |
| 85° | 81.3 | 87.0 | 111.6 | 119.2 | 160.8 | 219.4 | 202.4 | 183.5 | 175.9 | 136.2 | 124.8 |
| 87.5° | 34.0 | 34.0 | 34.0 | 30.3 | 28.4 | 30.3 | 41.6 | 53.0 | 70.0 | 54.9 | 51.1 |
| 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)