

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: P631085

Luminaire Tested: GWS-SA1F-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6426.6 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

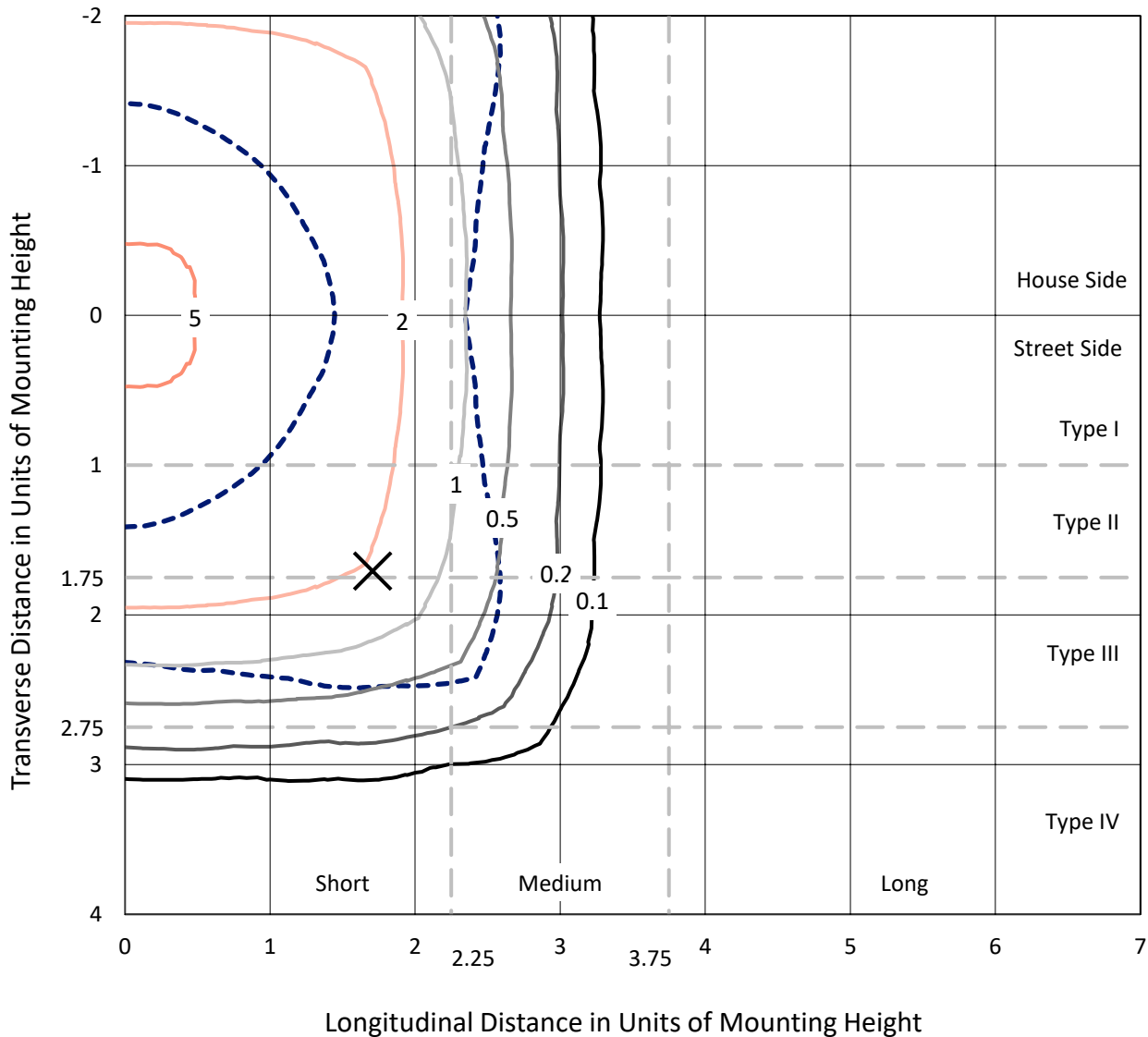
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

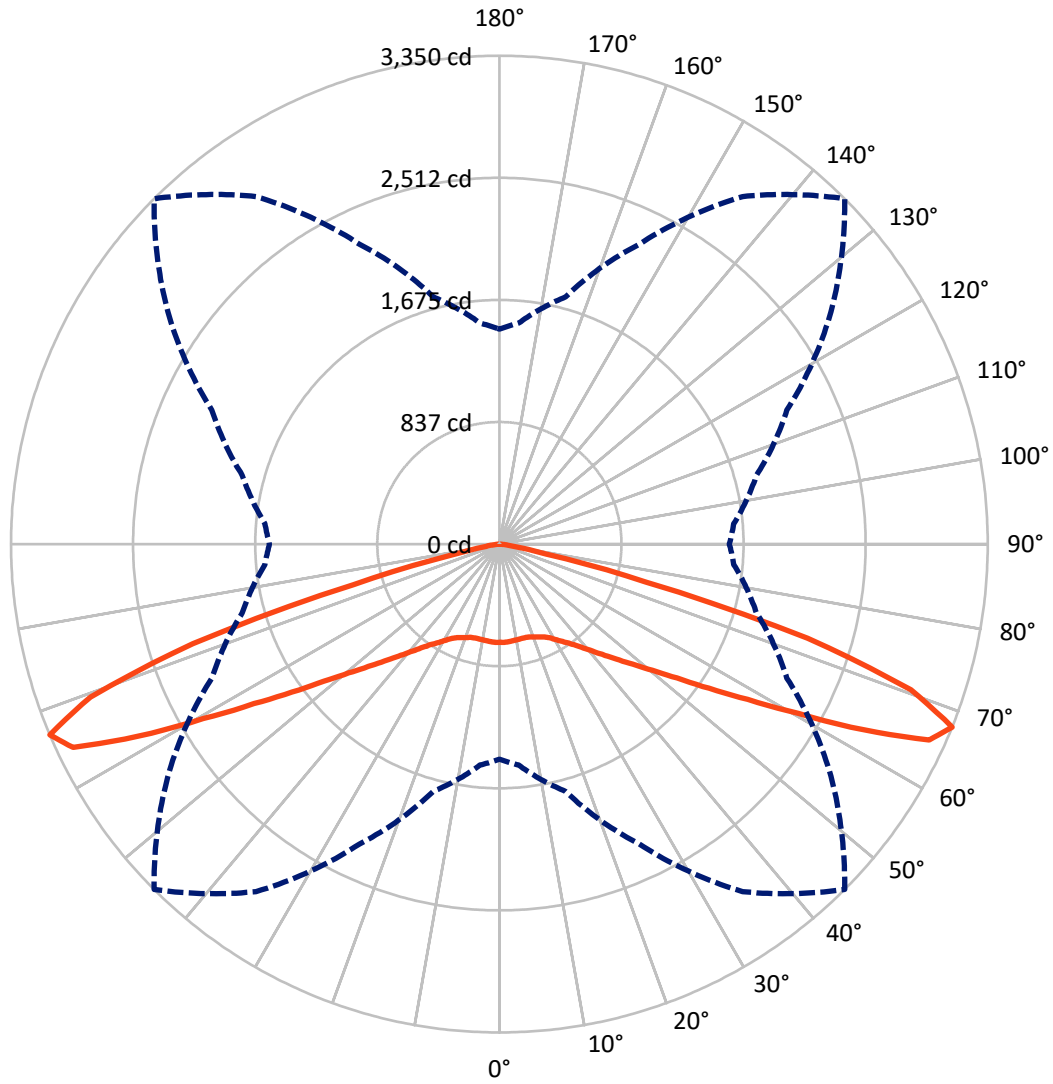
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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 | 3213.3 | 0.0 | 3213.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3213.3 | 0.0 | 3213.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6426.6 | 0.0 | 6426.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.7 | 1.0 |
| 10°-20° | 187.1 | 2.9 |
| 20°-30° | 322.7 | 5.0 |
| 30°-40° | 524.7 | 8.2 |
| 40°-50° | 883.5 | 13.7 |
| 50°-60° | 1565.5 | 24.4 |
| 60°-70° | 2237.7 | 34.8 |
| 70°-80° | 614.2 | 9.6 |
| 80°-90° | 27.5 | 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° | 6426.6 | 100.0 |
| 0°-180° | 6426.6 | 100.0 |

Coefficient of Utilization



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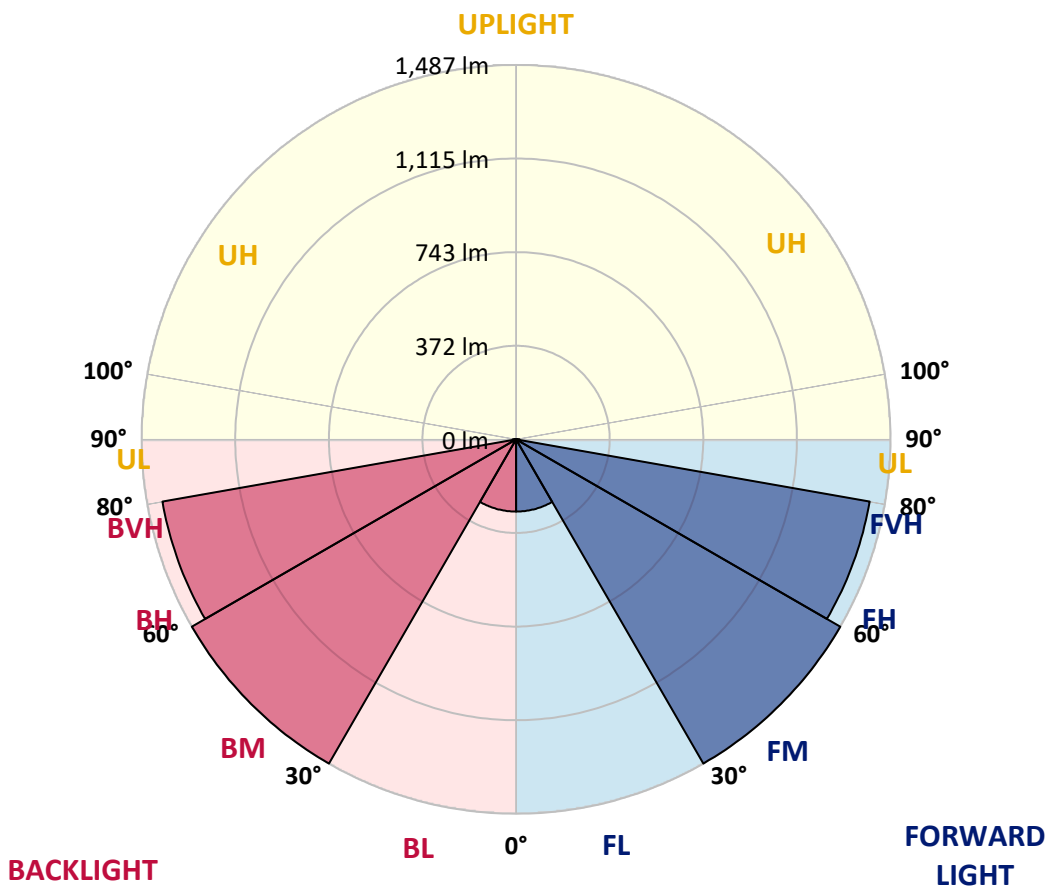
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 286.8 | 4.5 | | | |
| FM (30°-60°) | 1486.9 | 23.1 | | | |
| FH (60°-80°) | 1425.9 | 22.2 | | | G1/1800 |
| FVH (80°-90°) | 13.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 286.8 | 4.5 | B1/500 | | |
| BM (30°-60°) | 1486.9 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1425.9 | 22.2 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 13.8 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 | 673.1 |
| 2.5° | 668.6 | 668.2 | 670.4 | 671.7 | 671.3 | 674.4 | 674.0 | 673.1 | 673.1 | 671.7 | 675.3 |
| 5° | 668.6 | 668.2 | 670.0 | 670.4 | 669.5 | 672.2 | 671.3 | 670.4 | 670.4 | 668.6 | 671.7 |
| 7.5° | 665.1 | 665.5 | 666.8 | 667.7 | 666.8 | 669.1 | 667.7 | 666.0 | 665.5 | 663.7 | 666.8 |
| 10° | 658.4 | 658.8 | 660.2 | 662.4 | 662.8 | 666.8 | 664.6 | 661.5 | 660.2 | 658.4 | 661.5 |
| 12.5° | 654.4 | 654.8 | 656.2 | 658.8 | 659.7 | 665.1 | 662.8 | 657.9 | 655.7 | 653.9 | 657.1 |
| 15° | 653.5 | 653.9 | 655.7 | 658.4 | 659.7 | 665.1 | 662.8 | 657.1 | 653.9 | 651.7 | 654.4 |
| 17.5° | 653.5 | 654.4 | 657.1 | 661.1 | 663.7 | 669.1 | 666.4 | 659.7 | 655.3 | 651.3 | 653.9 |
| 20° | 653.9 | 655.3 | 659.3 | 665.1 | 671.7 | 679.3 | 675.7 | 666.8 | 660.6 | 655.7 | 657.5 |
| 22.5° | 657.9 | 660.2 | 665.1 | 672.6 | 682.4 | 691.3 | 688.2 | 676.2 | 667.3 | 660.6 | 662.4 |
| 25° | 671.7 | 672.6 | 678.9 | 688.6 | 698.0 | 705.5 | 702.4 | 691.3 | 680.2 | 672.2 | 674.4 |
| 27.5° | 696.2 | 698.4 | 703.8 | 714.0 | 722.0 | 726.0 | 725.6 | 718.0 | 706.9 | 699.8 | 701.5 |
| 30° | 725.6 | 727.8 | 734.9 | 746.5 | 754.5 | 758.9 | 757.6 | 751.8 | 741.6 | 731.8 | 733.6 |
| 32.5° | 759.8 | 760.7 | 769.2 | 782.1 | 790.5 | 797.2 | 792.7 | 786.5 | 773.6 | 762.0 | 762.9 |
| 35° | 803.4 | 804.8 | 813.6 | 825.7 | 832.3 | 837.7 | 836.8 | 830.6 | 816.8 | 804.3 | 807.4 |
| 37.5° | 858.1 | 859.0 | 867.0 | 882.2 | 887.5 | 891.5 | 892.4 | 889.3 | 875.0 | 859.0 | 862.1 |
| 40° | 926.2 | 926.6 | 935.5 | 948.9 | 954.7 | 957.3 | 957.8 | 958.2 | 943.5 | 931.5 | 930.6 |
| 42.5° | 1005.4 | 1007.6 | 1020.1 | 1033.0 | 1035.6 | 1034.3 | 1038.7 | 1043.2 | 1029.0 | 1012.5 | 1013.8 |
| 45° | 1100.1 | 1101.5 | 1118.4 | 1132.6 | 1127.7 | 1123.3 | 1131.7 | 1140.6 | 1127.7 | 1106.4 | 1100.1 |
| 47.5° | 1212.2 | 1214.9 | 1233.2 | 1247.4 | 1239.4 | 1231.4 | 1245.2 | 1254.5 | 1233.6 | 1210.9 | 1205.1 |
| 50° | 1339.0 | 1340.8 | 1366.6 | 1384.4 | 1375.1 | 1360.4 | 1377.7 | 1387.5 | 1359.5 | 1331.5 | 1319.0 |
| 52.5° | 1488.9 | 1485.4 | 1519.6 | 1550.8 | 1545.0 | 1525.9 | 1540.1 | 1541.9 | 1500.1 | 1460.5 | 1448.0 |
| 55° | 1671.8 | 1668.2 | 1702.5 | 1736.7 | 1751.0 | 1746.1 | 1739.4 | 1728.7 | 1666.9 | 1624.6 | 1613.1 |
| 57.5° | 1884.9 | 1873.8 | 1921.8 | 1968.1 | 1999.2 | 2008.1 | 1979.6 | 1954.7 | 1905.8 | 1853.7 | 1840.4 |
| 60° | 2082.8 | 2082.4 | 2158.5 | 2238.5 | 2323.9 | 2359.5 | 2287.5 | 2219.9 | 2110.0 | 2015.2 | 1996.1 |
| 62.5° | 2138.4 | 2147.8 | 2272.3 | 2470.8 | 2681.6 | 2807.5 | 2617.6 | 2393.8 | 2181.6 | 2038.8 | 2013.4 |
| 65° | 2001.4 | 2024.6 | 2201.6 | 2514.8 | 2931.2 | 3239.0 | 2810.2 | 2397.8 | 2102.0 | 1924.0 | 1897.3 |
| 67.5° | 1475.2 | 1521.4 | 1755.9 | 2269.2 | 2909.8 | 3349.8 | 2775.9 | 2175.8 | 1825.7 | 1614.0 | 1577.0 |
| 70° | 727.8 | 771.8 | 957.8 | 1493.0 | 2394.2 | 2994.4 | 2401.8 | 1639.8 | 1233.2 | 1029.4 | 995.6 |
| 72.5° | 267.8 | 285.6 | 358.6 | 638.8 | 1321.2 | 2211.8 | 1642.4 | 916.0 | 597.4 | 475.6 | 452.9 |
| 75° | 131.2 | 134.3 | 145.5 | 214.4 | 487.6 | 1041.0 | 771.8 | 351.4 | 219.8 | 191.3 | 185.1 |
| 77.5° | 83.6 | 85.0 | 90.3 | 102.3 | 156.6 | 327.9 | 234.0 | 138.8 | 107.7 | 103.2 | 103.2 |
| 80° | 46.7 | 48.0 | 55.2 | 63.6 | 73.4 | 112.5 | 84.1 | 83.2 | 70.7 | 61.8 | 60.5 |
| 82.5° | 22.2 | 24.5 | 35.1 | 34.7 | 38.7 | 56.5 | 49.4 | 44.9 | 45.4 | 34.3 | 32.5 |
| 85° | 10.2 | 10.2 | 13.8 | 16.5 | 17.3 | 19.1 | 22.7 | 25.8 | 25.4 | 17.3 | 18.7 |
| 87.5° | 4.9 | 4.9 | 4.9 | 4.4 | 4.0 | 3.6 | 4.9 | 8.0 | 11.6 | 8.0 | 7.6 |
| 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)