

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: P632900

Luminaire Tested: GWS-SA2D-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632900  
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-SA2D-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

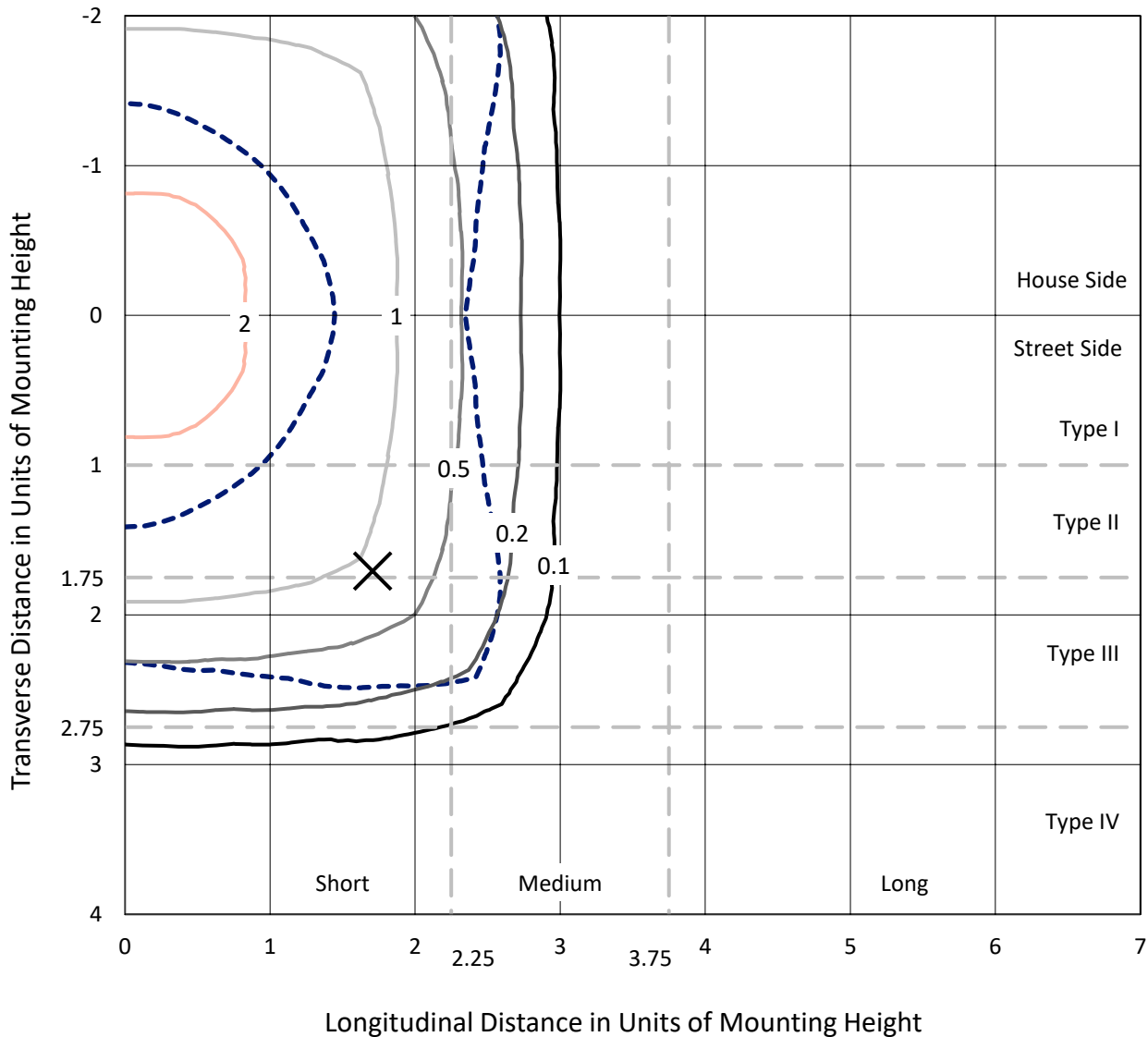
Lumens per Lamp: N/A  
Luminaire Lumens: 12199.3 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

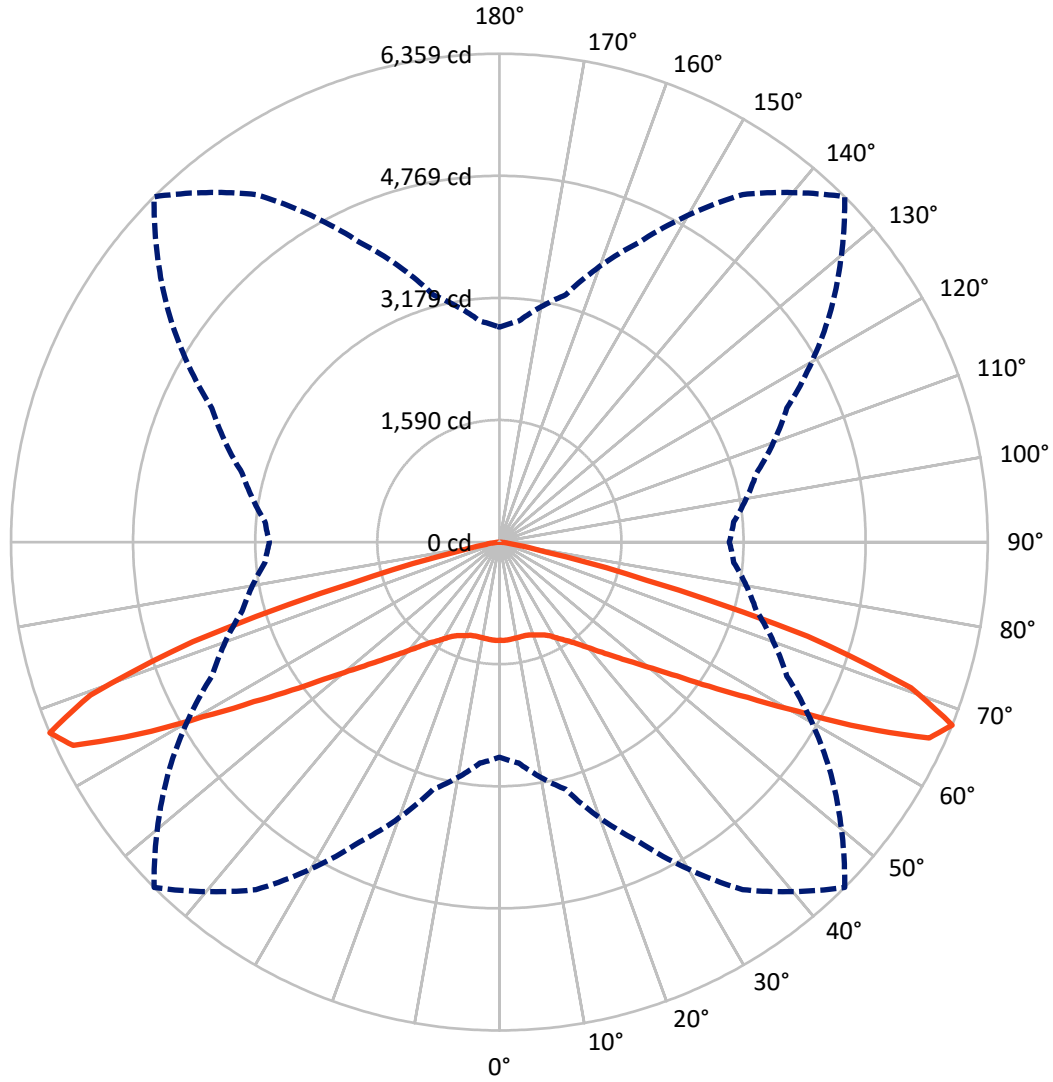
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 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
<b>House Side</b>	Lumens	6099.6	0.0	6099.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6099.6	0.0	6099.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12199.3	0.0	12199.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	1.0
10°-20°	355.2	2.9
20°-30°	612.6	5.0
30°-40°	996.1	8.2
40°-50°	1677.2	13.7
50°-60°	2971.6	24.4
60°-70°	4247.7	34.8
70°-80°	1165.8	9.6
80°-90°	52.2	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°	12199.3	100.0
0°-180°	12199.3	100.0

**Coefficient of Utilization**



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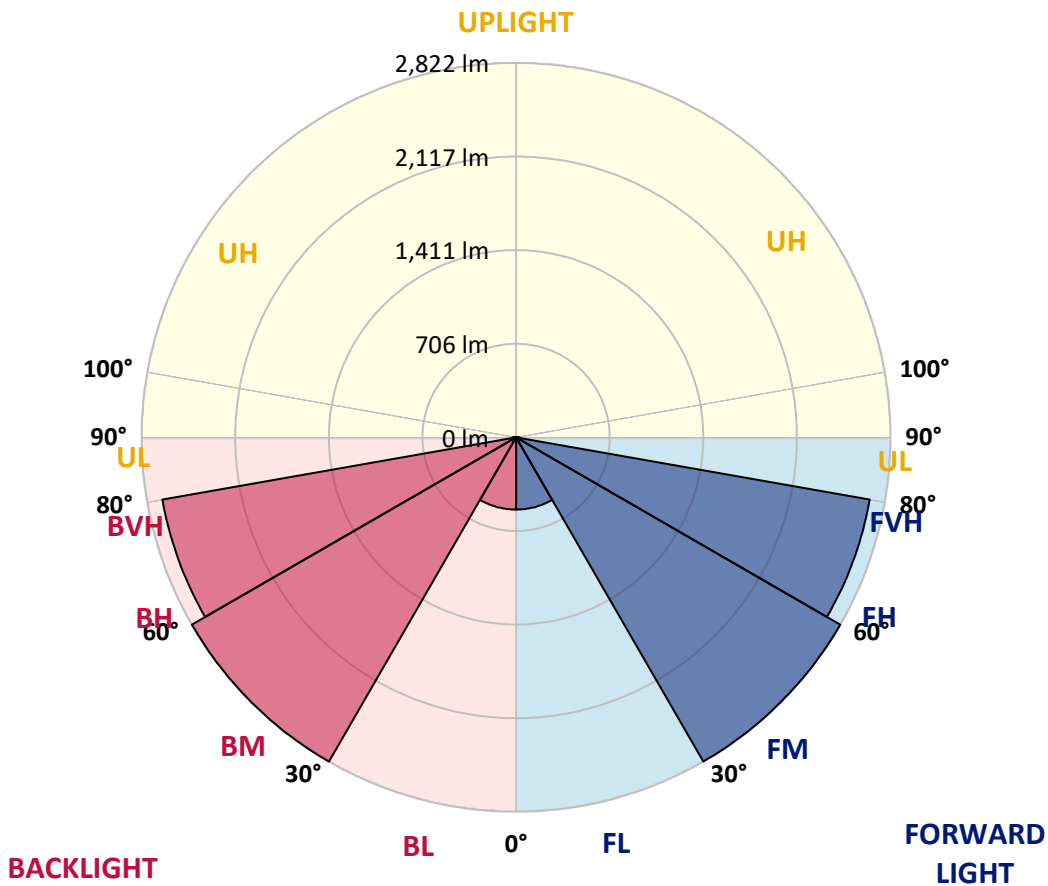
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.3	4.5			
FM (30°-60°)	2822.4	23.1			
FH (60°-80°)	2706.8	22.2			G2/5000
FVH (80°-90°)	26.1	0.2			G1/100
BL (0°-30°)	544.3	4.5	B2/1000		
BM (30°-60°)	2822.4	23.1	B3/5000		
BH (60°-80°)	2706.8	22.2	B4/5000		G2/5000
BVH (80°-90°)	26.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7	1277.7
2.5°	1269.2	1268.4	1272.6	1275.1	1274.3	1280.2	1279.4	1277.7	1277.7	1275.1	1281.9
5°	1269.2	1268.4	1271.8	1272.6	1270.9	1276.0	1274.3	1272.6	1272.6	1269.2	1275.1
7.5°	1262.5	1263.3	1265.8	1267.5	1265.8	1270.1	1267.5	1264.2	1263.3	1259.9	1265.8
10°	1249.8	1250.6	1253.2	1257.4	1258.2	1265.8	1261.6	1255.7	1253.2	1249.8	1255.7
12.5°	1242.2	1243.0	1245.6	1250.6	1252.3	1262.5	1258.2	1249.0	1244.7	1241.4	1247.3
15°	1240.5	1241.4	1244.7	1249.8	1252.3	1262.5	1258.2	1247.3	1241.4	1237.1	1242.2
17.5°	1240.5	1242.2	1247.3	1254.9	1259.9	1270.1	1265.0	1252.3	1243.9	1236.3	1241.4
20°	1241.4	1243.9	1251.5	1262.5	1275.1	1289.5	1282.7	1265.8	1254.0	1244.7	1248.1
22.5°	1249.0	1253.2	1262.5	1276.8	1295.4	1312.3	1306.4	1283.6	1266.7	1254.0	1257.4
25°	1275.1	1276.8	1288.6	1307.2	1325.0	1339.3	1333.4	1312.3	1291.2	1276.0	1280.2
27.5°	1321.6	1325.8	1335.9	1355.4	1370.6	1378.2	1377.3	1363.0	1341.8	1328.3	1331.7
30°	1377.3	1381.5	1395.0	1417.0	1432.2	1440.6	1438.1	1427.1	1407.7	1389.1	1392.5
32.5°	1442.3	1444.0	1460.1	1484.6	1500.6	1513.3	1504.8	1493.0	1468.5	1446.6	1448.2
35°	1525.1	1527.6	1544.5	1567.3	1580.0	1590.1	1588.4	1576.6	1550.4	1526.8	1532.7
37.5°	1629.0	1630.6	1645.8	1674.6	1684.7	1692.3	1694.0	1688.1	1661.0	1630.6	1636.6
40°	1758.2	1759.0	1775.9	1801.2	1812.2	1817.3	1818.1	1819.0	1791.1	1768.3	1766.6
42.5°	1908.5	1912.7	1936.3	1960.8	1965.9	1963.4	1971.8	1980.2	1953.2	1922.0	1924.5
45°	2088.3	2090.9	2123.0	2150.0	2140.7	2132.3	2148.3	2165.2	2140.7	2100.2	2088.3
47.5°	2301.1	2306.2	2340.8	2367.9	2352.7	2337.5	2363.6	2381.4	2341.7	2298.6	2287.6
50°	2541.8	2545.2	2594.2	2627.9	2610.2	2582.3	2615.3	2633.9	2580.7	2527.5	2503.8
52.5°	2826.4	2819.6	2884.7	2943.8	2932.8	2896.5	2923.5	2926.9	2847.5	2772.3	2748.7
55°	3173.5	3166.7	3231.7	3296.8	3323.8	3314.5	3301.8	3281.6	3164.2	3084.0	3062.0
57.5°	3578.0	3556.8	3648.0	3735.9	3795.0	3811.9	3757.8	3710.5	3617.6	3518.8	3493.5
60°	3953.7	3952.9	4097.3	4249.3	4411.4	4479.0	4342.2	4213.8	4005.3	3825.4	3789.1
62.5°	4059.3	4077.0	4313.5	4690.1	5090.4	5329.4	4968.8	4544.0	4141.2	3870.1	3822.0
65°	3799.2	3843.1	4179.2	4773.7	5564.1	6148.5	5334.4	4551.6	3990.1	3652.3	3601.6
67.5°	2800.2	2888.0	3333.1	4307.6	5523.6	6358.8	5269.4	4130.2	3465.6	3063.7	2993.6
70°	1381.5	1465.1	1818.1	2834.0	4544.9	5684.0	4559.2	3112.7	2340.8	1954.1	1889.9
72.5°	508.4	542.1	680.6	1212.6	2508.0	4198.6	3117.7	1738.7	1134.1	902.7	859.7
75°	249.1	255.0	276.1	407.0	925.5	1976.0	1465.1	667.1	417.2	363.1	351.3
77.5°	158.8	161.3	171.4	194.2	297.2	622.4	444.2	263.5	204.4	195.9	195.9
80°	88.7	91.2	104.7	120.8	139.3	213.6	159.6	157.9	134.3	117.4	114.8
82.5°	42.2	46.4	66.7	65.9	73.5	107.2	93.7	85.3	86.1	65.0	61.6
85°	19.4	19.4	26.2	31.2	32.9	36.3	43.1	49.0	48.1	32.9	35.5
87.5°	9.3	9.3	9.3	8.4	7.6	6.8	9.3	15.2	22.0	15.2	14.4
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)