

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: P634058

Luminaire Tested: GWS-SA3B-722-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634058  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

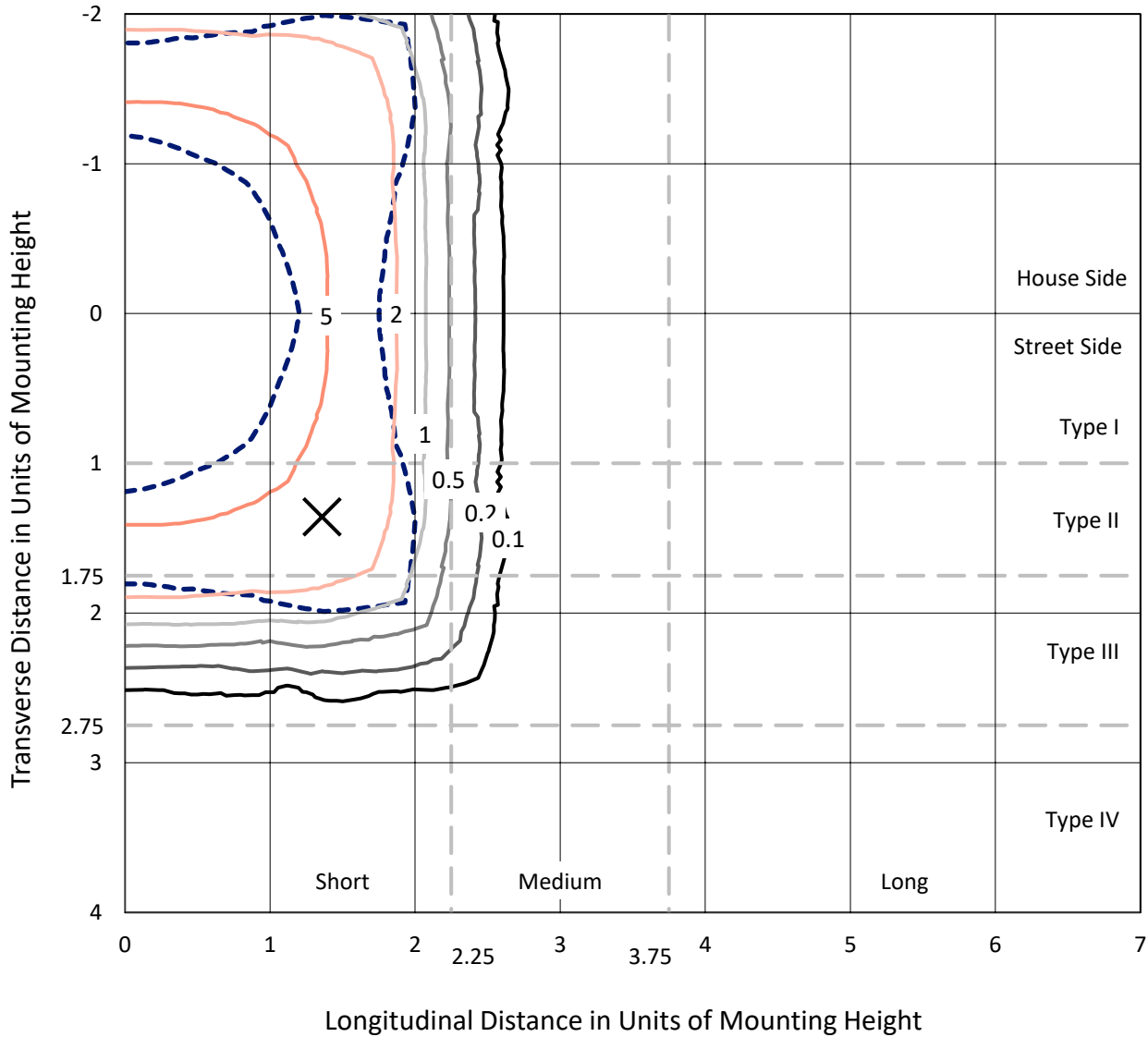
Lumens per Lamp: N/A  
Luminaire Lumens: 8008 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

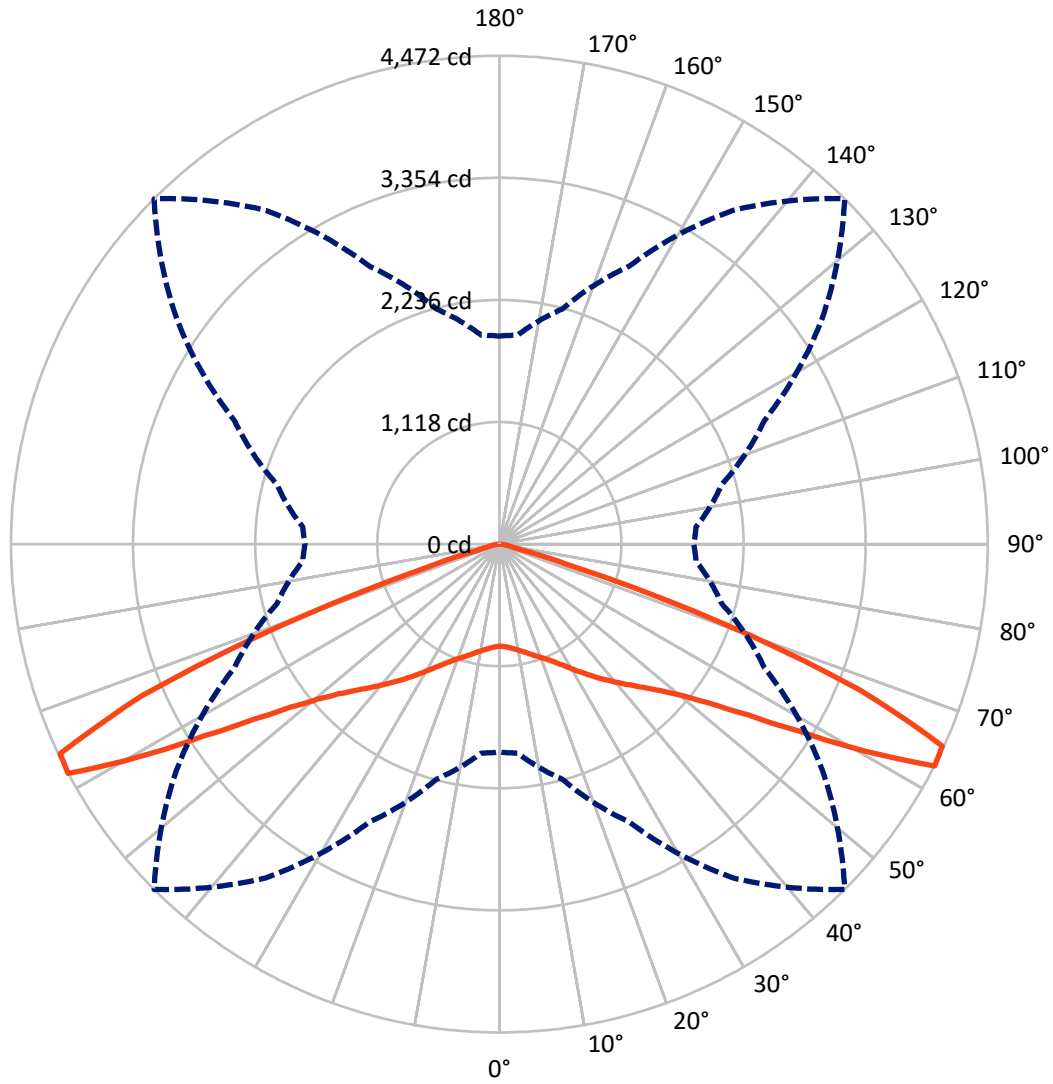
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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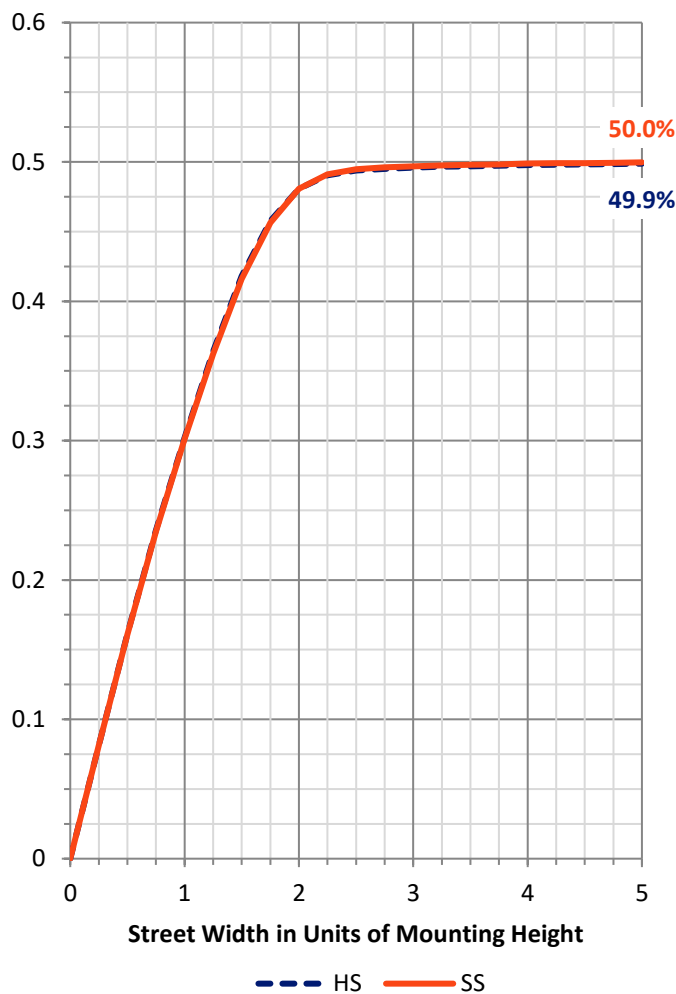
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4004.0	0.0	4004.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4004.0	0.0	4004.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8008.0	0.0	8008.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.7	1.1
10°-20°	295.6	3.7
20°-30°	559.2	7.0
30°-40°	941.3	11.8
40°-50°	1503.9	18.8
50°-60°	2424.1	30.3
60°-70°	1977.8	24.7
70°-80°	192.1	2.4
80°-90°	22.3	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°	8008.0	100.0
0°-180°	8008.0	100.0

**Coefficient of Utilization**



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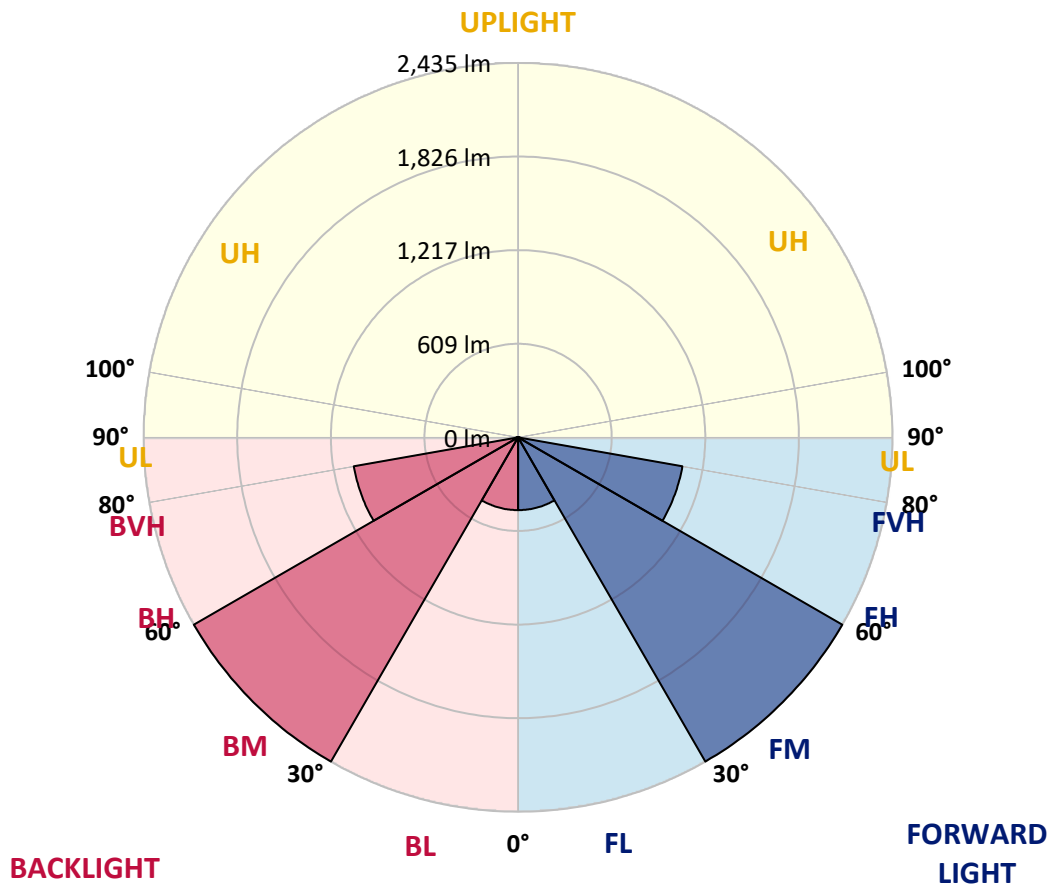
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.2	5.9			
FM (30°-60°)	2434.6	30.4			
FH (60°-80°)	1085.0	13.5			G1/1800
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	473.2	5.9	B1/500		
BM (30°-60°)	2434.6	30.4	B2/2500		
BH (60°-80°)	1085.0	13.5	B3/2500		G1/1800
BVH (80°-90°)	11.2	0.1			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°	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2	934.2
2.5°	933.1	933.1	935.3	937.0	935.9	940.3	939.7	938.6	938.1	936.4	941.4
5°	945.8	945.8	947.4	949.1	946.3	951.8	949.6	948.5	948.0	945.8	950.2
7.5°	960.1	961.7	962.3	965.0	963.4	969.4	967.7	965.5	964.4	961.7	965.5
10°	976.0	977.1	977.6	982.6	983.1	990.3	988.6	985.9	983.7	980.9	986.4
12.5°	997.4	998.0	999.6	1005.6	1007.3	1012.8	1012.2	1008.4	1005.6	1001.8	1007.8
15°	1024.9	1025.4	1028.2	1034.2	1036.9	1043.5	1041.3	1035.3	1031.5	1027.1	1032.0
17.5°	1053.4	1055.6	1058.4	1064.4	1068.3	1075.9	1073.2	1066.6	1063.3	1058.9	1062.2
20°	1090.2	1090.8	1092.4	1099.0	1101.8	1110.5	1111.1	1104.5	1102.9	1098.5	1103.4
22.5°	1130.9	1131.4	1133.1	1140.2	1145.1	1150.6	1153.9	1150.1	1147.3	1141.9	1147.9
25°	1175.9	1181.4	1183.0	1191.8	1197.3	1200.6	1204.5	1202.8	1199.0	1192.4	1195.1
27.5°	1239.1	1240.2	1242.9	1252.8	1256.1	1259.4	1263.2	1263.8	1258.3	1250.6	1254.4
30°	1311.0	1310.5	1316.5	1324.2	1326.9	1329.7	1335.2	1338.5	1331.3	1323.1	1326.9
32.5°	1384.6	1391.2	1398.9	1406.0	1404.4	1405.5	1414.3	1420.3	1410.4	1395.6	1398.9
35°	1467.5	1471.9	1481.8	1492.3	1490.1	1488.4	1493.9	1499.9	1486.2	1467.0	1471.9
37.5°	1552.7	1559.3	1574.1	1586.7	1583.4	1575.7	1581.8	1588.4	1575.2	1553.2	1551.0
40°	1647.7	1658.1	1679.5	1690.0	1681.2	1666.4	1676.8	1692.7	1679.5	1654.3	1648.2
42.5°	1759.2	1771.8	1793.2	1809.2	1789.9	1765.8	1783.4	1806.4	1803.1	1769.6	1759.2
45°	1897.0	1905.3	1931.6	1939.3	1910.8	1877.3	1909.1	1944.3	1936.0	1899.8	1886.1
47.5°	2047.0	2059.6	2082.7	2097.0	2050.8	2009.1	2053.6	2100.8	2092.0	2058.0	2042.0
50°	2238.1	2254.6	2284.8	2296.9	2233.2	2185.4	2242.5	2302.4	2285.3	2239.8	2218.9
52.5°	2446.3	2459.5	2511.1	2535.2	2475.4	2423.8	2473.7	2532.5	2496.3	2435.8	2407.8
55°	2629.7	2642.9	2718.7	2798.9	2796.1	2760.4	2785.7	2786.8	2688.5	2588.5	2558.9
57.5°	2669.3	2682.4	2826.9	3036.7	3185.0	3226.2	3152.0	2996.1	2748.3	2573.1	2539.6
60°	2458.4	2473.2	2702.8	3086.1	3573.8	3849.0	3507.4	2991.7	2563.3	2326.0	2294.1
62.5°	1904.7	1920.7	2229.3	2804.9	3730.9	4472.4	3610.6	2676.9	2108.5	1808.1	1780.1
65°	909.5	909.5	1301.7	2011.8	3417.9	4457.6	3311.9	1980.5	1269.3	974.9	950.7
67.5°	225.2	226.3	335.0	783.2	2324.9	3557.4	2362.8	950.7	447.1	316.4	308.1
70°	140.6	140.1	155.4	212.0	813.4	2159.0	966.1	286.7	181.8	160.4	159.3
72.5°	109.3	109.3	117.0	135.7	213.1	735.4	281.8	159.3	131.8	118.6	118.6
75°	86.2	86.2	91.7	101.6	125.8	189.5	149.9	118.1	102.2	93.4	92.3
77.5°	64.3	65.4	69.8	76.3	85.7	106.6	95.0	89.0	79.6	73.0	70.9
80°	41.7	43.4	48.9	52.7	56.0	70.3	62.1	64.8	60.4	52.7	51.6
82.5°	22.5	23.1	29.7	30.8	31.9	38.4	39.5	41.2	42.8	33.5	31.3
85°	8.2	8.2	9.9	11.5	12.6	13.7	18.7	23.1	24.2	19.2	18.7
87.5°	1.6	1.6	1.6	1.1	1.1	1.1	3.3	6.0	9.9	7.7	7.7
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)