

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: P636530

Luminaire Tested: GWS-SA4B-722-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636530  
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-SA4B-722-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

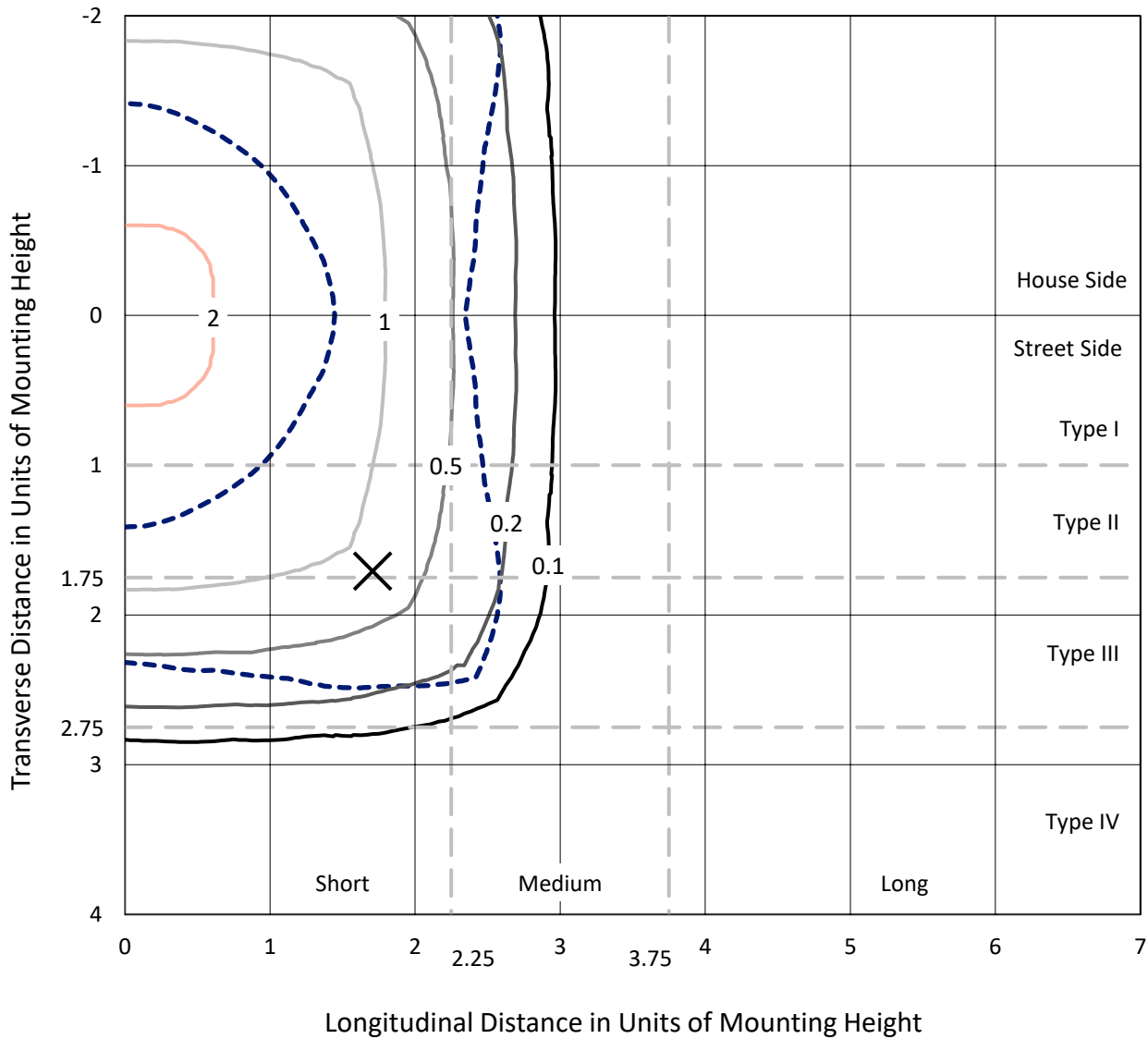
Lumens per Lamp: N/A  
Luminaire Lumens: 11041.2 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

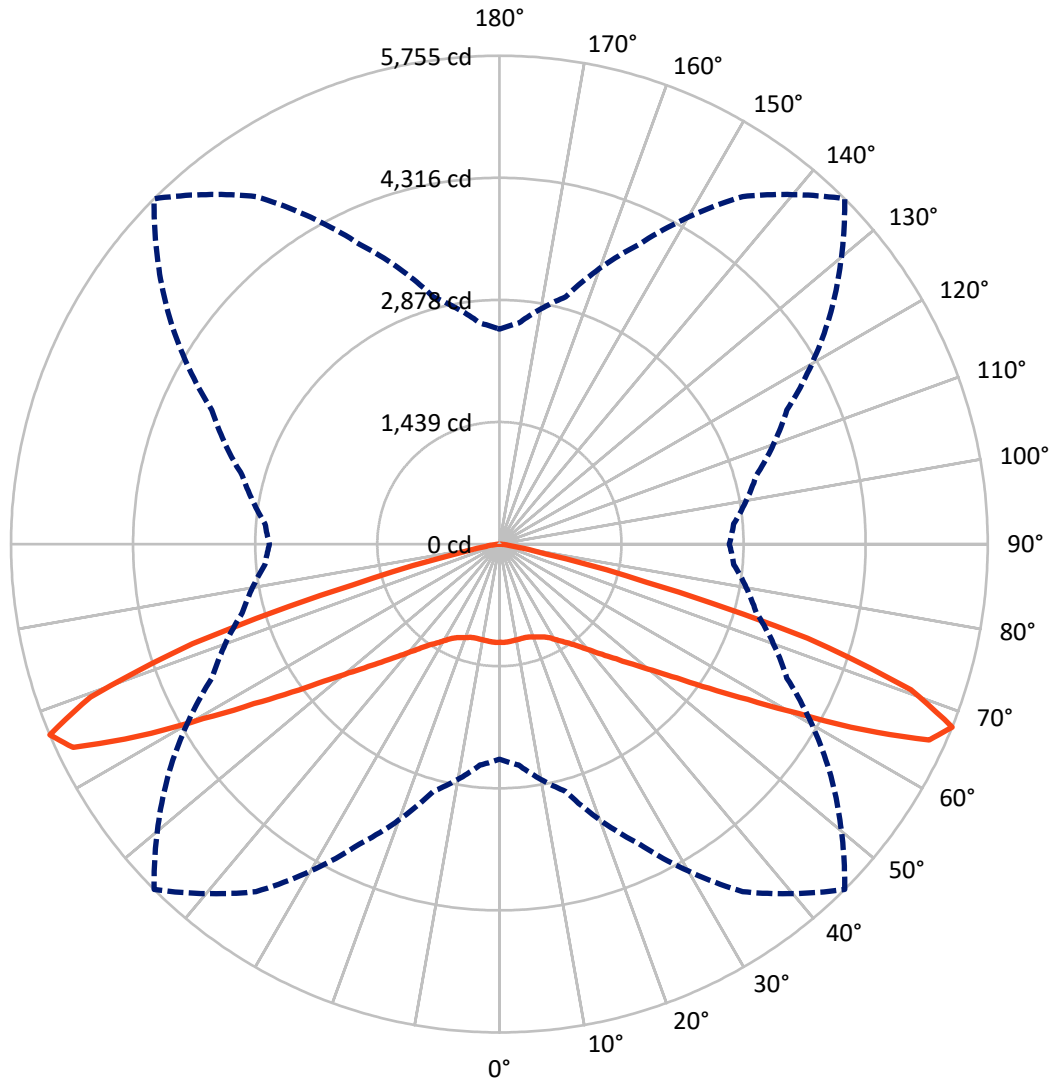
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 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	5520.6	0.0	5520.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5520.6	0.0	5520.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11041.2	0.0	11041.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	1.0
10°-20°	321.5	2.9
20°-30°	554.4	5.0
30°-40°	901.5	8.2
40°-50°	1518.0	13.7
50°-60°	2689.5	24.4
60°-70°	3844.5	34.8
70°-80°	1055.2	9.6
80°-90°	47.3	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°	11041.2	100.0
0°-180°	11041.2	100.0

**Coefficient of Utilization**



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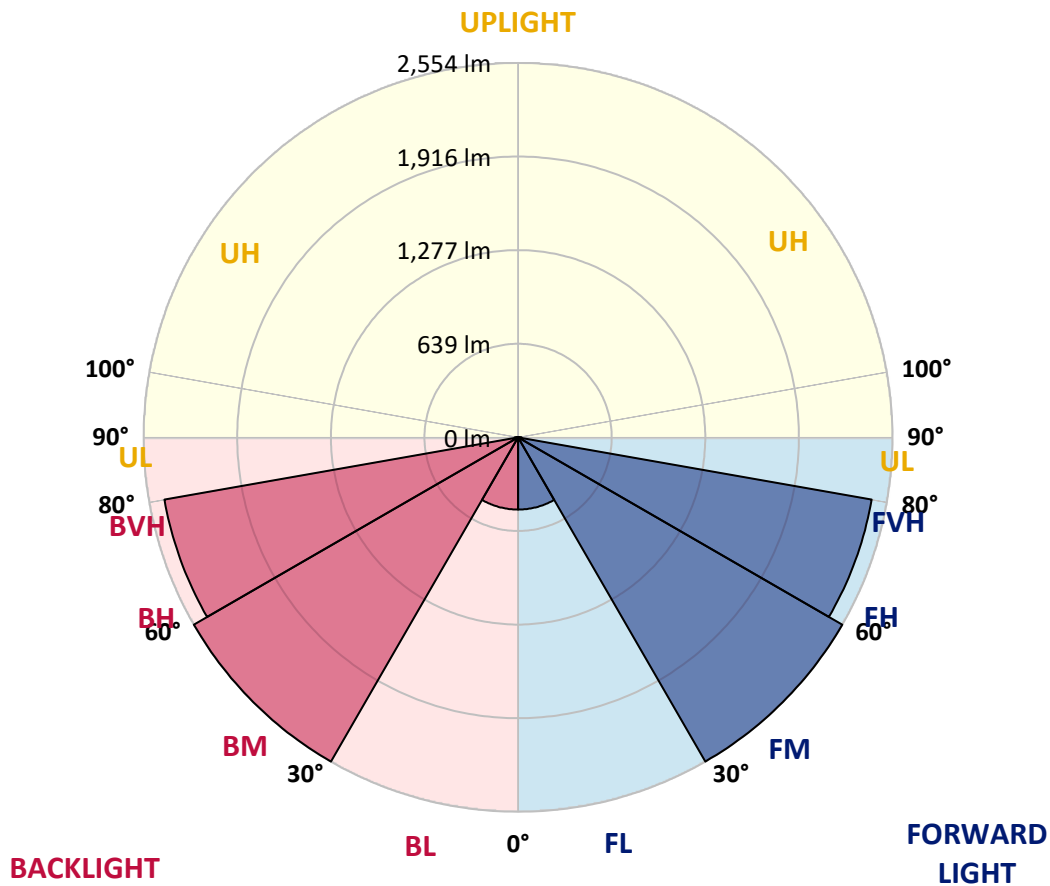
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.7	4.5			
FM (30°-60°)	2554.5	23.1			
FH (60°-80°)	2449.8	22.2			G2/5000
FVH (80°-90°)	23.6	0.2			G1/100
BL (0°-30°)	492.7	4.5	B1/500		
BM (30°-60°)	2554.5	23.1	B3/5000		
BH (60°-80°)	2449.8	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.6	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4
2.5°	1148.7	1148.0	1151.8	1154.1	1153.3	1158.7	1157.9	1156.4	1156.4	1154.1	1160.2
5°	1148.7	1148.0	1151.0	1151.8	1150.3	1154.8	1153.3	1151.8	1151.8	1148.7	1154.1
7.5°	1142.6	1143.4	1145.7	1147.2	1145.7	1149.5	1147.2	1144.1	1143.4	1140.3	1145.7
10°	1131.1	1131.9	1134.2	1138.0	1138.8	1145.7	1141.8	1136.5	1134.2	1131.1	1136.5
12.5°	1124.3	1125.0	1127.3	1131.9	1133.4	1142.6	1138.8	1130.4	1126.6	1123.5	1128.9
15°	1122.7	1123.5	1126.6	1131.1	1133.4	1142.6	1138.8	1128.9	1123.5	1119.7	1124.3
17.5°	1122.7	1124.3	1128.9	1135.7	1140.3	1149.5	1144.9	1133.4	1125.8	1118.9	1123.5
20°	1123.5	1125.8	1132.7	1142.6	1154.1	1167.1	1161.0	1145.7	1135.0	1126.6	1129.6
22.5°	1130.4	1134.2	1142.6	1155.6	1172.4	1187.7	1182.4	1161.7	1146.4	1135.0	1138.0
25°	1154.1	1155.6	1166.3	1183.1	1199.2	1212.2	1206.8	1187.7	1168.6	1154.8	1158.7
27.5°	1196.1	1199.9	1209.1	1226.7	1240.4	1247.3	1246.6	1233.6	1214.5	1202.2	1205.3
30°	1246.6	1250.4	1262.6	1282.5	1296.2	1303.9	1301.6	1291.7	1274.1	1257.3	1260.3
32.5°	1305.4	1306.9	1321.5	1343.6	1358.1	1369.6	1362.0	1351.3	1329.1	1309.2	1310.8
35°	1380.3	1382.6	1397.9	1418.5	1430.0	1439.2	1437.6	1426.9	1403.2	1381.8	1387.2
37.5°	1474.3	1475.8	1489.6	1515.6	1524.8	1531.6	1533.2	1527.8	1503.4	1475.8	1481.2
40°	1591.3	1592.0	1607.3	1630.2	1640.2	1644.8	1645.5	1646.3	1621.1	1600.4	1598.9
42.5°	1727.3	1731.1	1752.5	1774.7	1779.3	1777.0	1784.6	1792.3	1767.8	1739.5	1741.8
45°	1890.1	1892.4	1921.4	1945.9	1937.5	1929.8	1944.4	1959.6	1937.5	1900.8	1890.1
47.5°	2082.7	2087.3	2118.6	2143.1	2129.3	2115.6	2139.2	2155.3	2119.4	2080.4	2070.5
50°	2300.5	2303.6	2347.9	2378.5	2362.4	2337.2	2367.0	2383.8	2335.7	2287.5	2266.1
52.5°	2558.1	2552.0	2610.8	2664.3	2654.4	2621.5	2646.0	2649.0	2577.2	2509.2	2487.8
55°	2872.2	2866.1	2924.9	2983.8	3008.2	2999.8	2988.4	2970.0	2863.8	2791.2	2771.3
57.5°	3238.3	3219.2	3301.7	3381.2	3434.7	3450.0	3401.1	3358.3	3274.2	3184.8	3161.9
60°	3578.4	3577.6	3708.3	3845.9	3992.7	4053.8	3930.0	3813.8	3625.0	3462.2	3429.4
62.5°	3673.9	3690.0	3904.0	4244.9	4607.1	4823.4	4497.1	4112.6	3748.1	3502.7	3459.2
65°	3438.5	3478.3	3782.5	4320.5	5035.9	5564.8	4828.0	4119.5	3611.3	3305.6	3259.7
67.5°	2534.4	2613.9	3016.7	3898.6	4999.2	5755.1	4769.2	3738.1	3136.6	2772.8	2709.4
70°	1250.4	1326.0	1645.5	2565.0	4113.4	5144.4	4126.4	2817.2	2118.6	1768.6	1710.5
72.5°	460.1	490.7	616.0	1097.5	2269.9	3800.1	2821.8	1573.7	1026.4	817.0	778.0
75°	225.5	230.8	249.9	368.4	837.7	1788.4	1326.0	603.8	377.6	328.6	317.9
77.5°	143.7	146.0	155.2	175.8	269.0	563.3	402.0	238.5	185.0	177.3	177.3
80°	80.3	82.5	94.8	109.3	126.1	193.4	144.5	142.9	121.5	106.2	103.9
82.5°	38.2	42.0	60.4	59.6	66.5	97.1	84.8	77.2	78.0	58.9	55.8
85°	17.6	17.6	23.7	28.3	29.8	32.9	39.0	44.3	43.6	29.8	32.1
87.5°	8.4	8.4	8.4	7.6	6.9	6.1	8.4	13.8	19.9	13.8	13.0
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)