

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: P631855

Luminaire Tested: GWS-SA2B-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631855  
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-SA2B-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

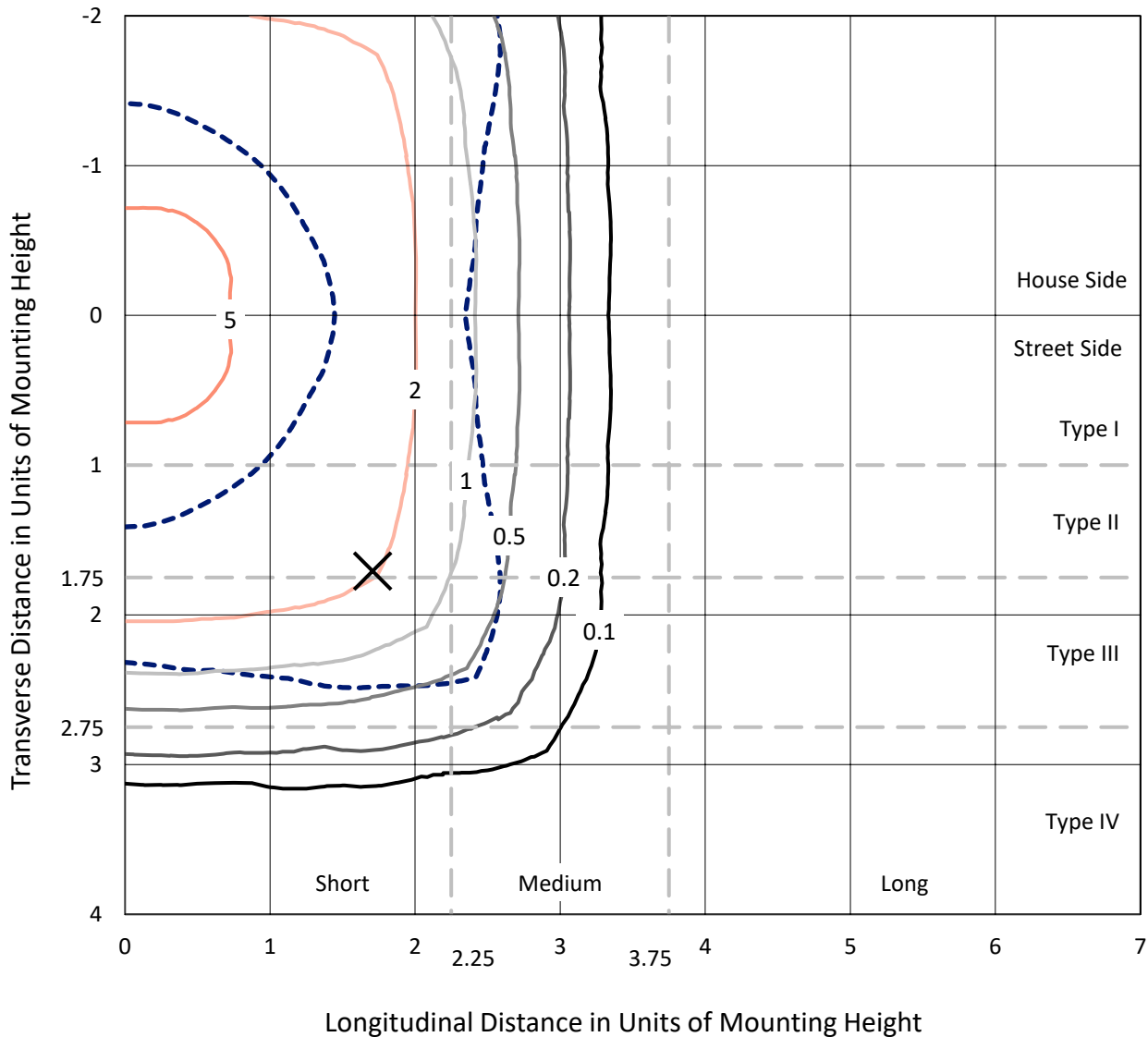
Lumens per Lamp: N/A  
Luminaire Lumens: 7310.6 lumens  
Efficiency: N/A  
Efficacy: 157.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

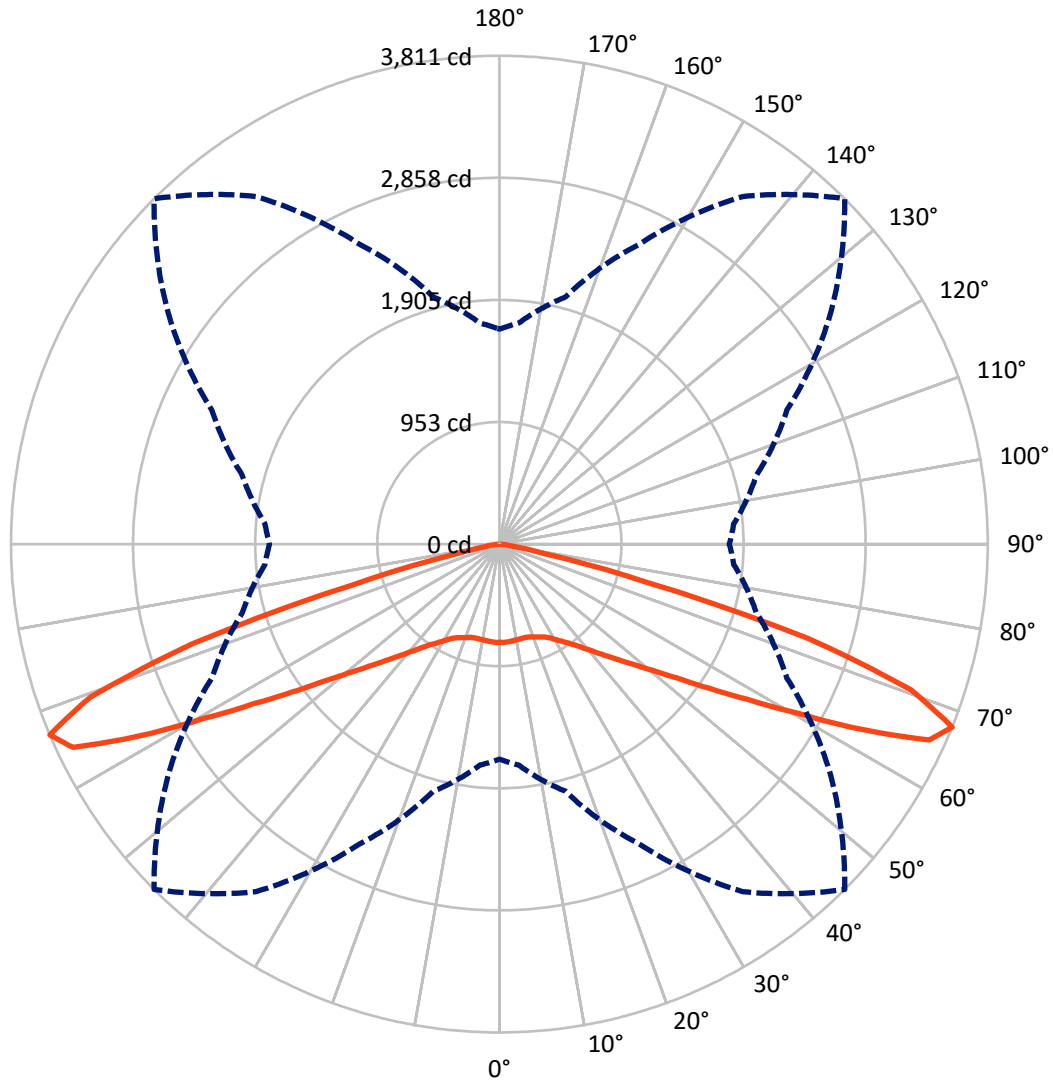
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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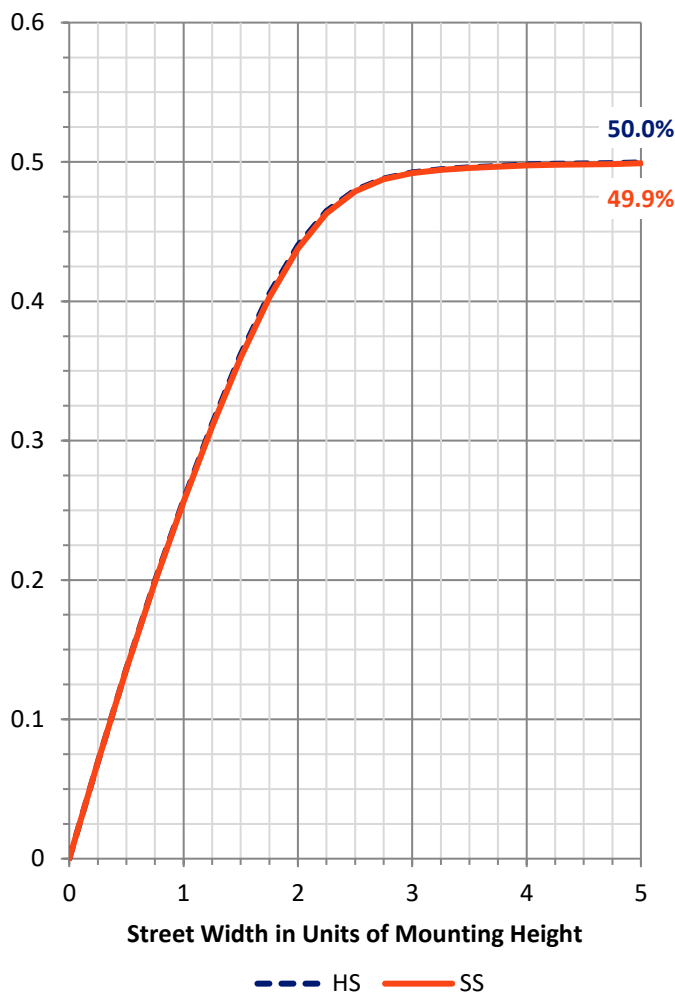
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3655.3	0.0	3655.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3655.3	0.0	3655.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7310.6	0.0	7310.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.0
10°-20°	212.8	2.9
20°-30°	367.1	5.0
30°-40°	596.9	8.2
40°-50°	1005.1	13.7
50°-60°	1780.8	24.4
60°-70°	2545.5	34.8
70°-80°	698.6	9.6
80°-90°	31.3	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°	7310.6	100.0
0°-180°	7310.6	100.0

**Coefficient of Utilization**



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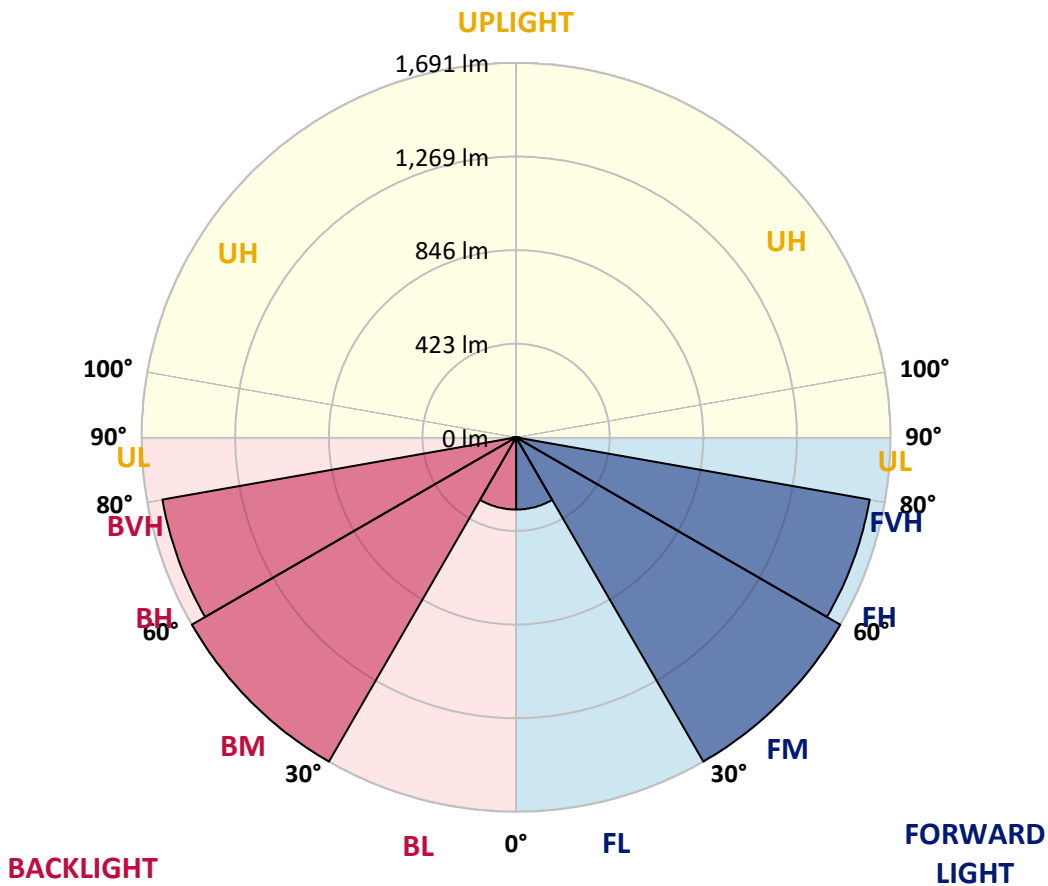
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.2	4.5			
FM (30°-60°)	1691.4	23.1			
FH (60°-80°)	1622.1	22.2			G1/1800
FVH (80°-90°)	15.7	0.2			G1/100
BL (0°-30°)	326.2	4.5	B1/500		
BM (30°-60°)	1691.4	23.1	B2/2500		
BH (60°-80°)	1622.1	22.2	B3/2500		G1/1800
BVH (80°-90°)	15.7	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°	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7	765.7
2.5°	760.6	760.1	762.6	764.1	763.6	767.2	766.7	765.7	765.7	764.1	768.2
5°	760.6	760.1	762.1	762.6	761.6	764.6	763.6	762.6	762.6	760.6	764.1
7.5°	756.5	757.1	758.6	759.6	758.6	761.1	759.6	757.6	757.1	755.0	758.6
10°	749.0	749.5	751.0	753.5	754.0	758.6	756.0	752.5	751.0	749.0	752.5
12.5°	744.4	744.9	746.4	749.5	750.5	756.5	754.0	748.5	745.9	743.9	747.4
15°	743.4	743.9	745.9	749.0	750.5	756.5	754.0	747.4	743.9	741.4	744.4
17.5°	743.4	744.4	747.4	752.0	755.0	761.1	758.1	750.5	745.4	740.9	743.9
20°	743.9	745.4	750.0	756.5	764.1	772.7	768.7	758.6	751.5	745.9	747.9
22.5°	748.5	751.0	756.5	765.2	776.3	786.4	782.9	769.2	759.1	751.5	753.5
25°	764.1	765.2	772.2	783.4	794.0	802.6	799.1	786.4	773.8	764.6	767.2
27.5°	792.0	794.5	800.6	812.2	821.3	825.9	825.4	816.8	804.1	796.0	798.0
30°	825.4	827.9	836.0	849.2	858.3	863.3	861.8	855.2	843.6	832.5	834.5
32.5°	864.3	865.3	875.0	889.6	899.3	906.8	901.8	894.7	880.0	866.9	867.9
35°	913.9	915.4	925.6	939.2	946.8	952.9	951.9	944.8	929.1	914.9	918.5
37.5°	976.2	977.2	986.3	1003.5	1009.6	1014.1	1015.1	1011.6	995.4	977.2	980.7
40°	1053.6	1054.1	1064.2	1079.4	1086.0	1089.0	1089.5	1090.0	1073.3	1059.7	1058.7
42.5°	1143.7	1146.2	1160.4	1175.1	1178.1	1176.6	1181.6	1186.7	1170.5	1151.8	1153.3
45°	1251.5	1253.0	1272.2	1288.4	1282.8	1277.8	1287.4	1297.5	1282.8	1258.6	1251.5
47.5°	1379.0	1382.0	1402.8	1419.0	1409.9	1400.8	1416.4	1427.1	1403.3	1377.5	1370.9
50°	1523.2	1525.2	1554.6	1574.8	1564.2	1547.5	1567.2	1578.4	1546.5	1514.6	1500.4
52.5°	1693.8	1689.7	1728.7	1764.1	1757.5	1735.8	1752.0	1754.0	1706.4	1661.4	1647.2
55°	1901.7	1897.7	1936.7	1975.6	1991.8	1986.3	1978.7	1966.5	1896.2	1848.1	1834.9
57.5°	2144.1	2131.5	2186.1	2238.8	2274.2	2284.3	2251.9	2223.6	2167.9	2108.7	2093.5
60°	2369.3	2368.8	2455.4	2546.5	2643.6	2684.1	2602.1	2525.2	2400.2	2292.4	2270.7
62.5°	2432.6	2443.2	2584.9	2810.6	3050.5	3193.7	2977.6	2723.1	2481.7	2319.2	2290.4
65°	2276.7	2303.0	2504.5	2860.7	3334.4	3684.6	3196.7	2727.6	2391.1	2188.7	2158.3
67.5°	1678.1	1730.7	1997.4	2581.4	3310.1	3810.6	3157.8	2475.1	2076.8	1836.0	1794.0
70°	827.9	878.0	1089.5	1698.3	2723.6	3406.2	2732.2	1865.3	1402.8	1171.0	1132.5
72.5°	304.6	324.9	407.9	726.7	1503.0	2516.1	1868.3	1042.0	679.6	541.0	515.2
75°	149.3	152.8	165.5	243.9	554.6	1184.2	878.0	399.8	250.0	217.6	210.5
77.5°	95.1	96.7	102.7	116.4	178.1	373.0	266.2	157.9	122.5	117.4	117.4
80°	53.1	54.7	62.8	72.4	83.5	128.0	95.6	94.6	80.5	70.3	68.8
82.5°	25.3	27.8	40.0	39.5	44.0	64.3	56.2	51.1	51.6	39.0	36.9
85°	11.6	11.6	15.7	18.7	19.7	21.8	25.8	29.4	28.8	19.7	21.3
87.5°	5.6	5.6	5.6	5.1	4.6	4.0	5.6	9.1	13.2	9.1	8.6
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)