

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: P629443

Luminaire Tested: GWS-SA1B-760-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3665.8 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

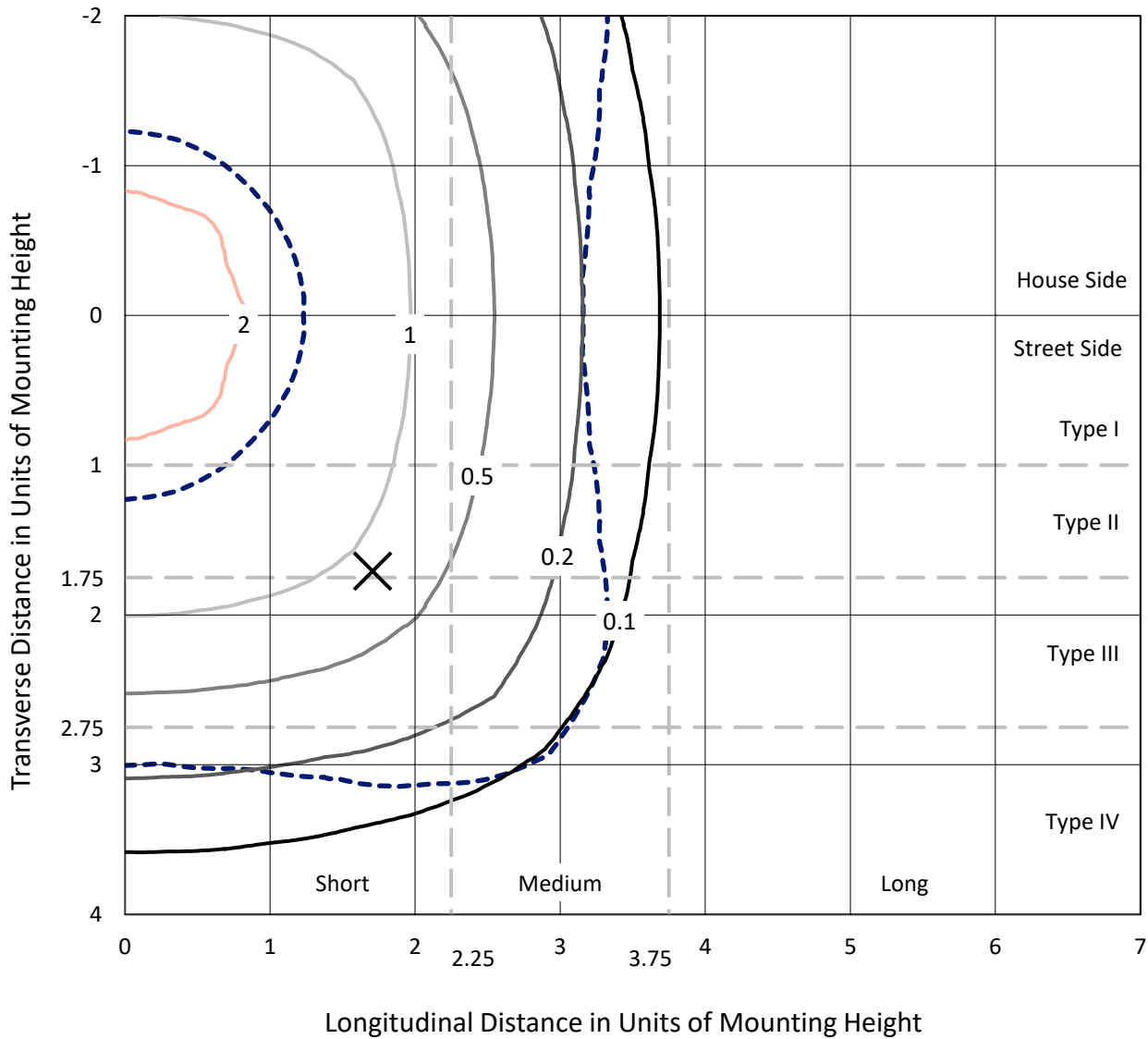
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

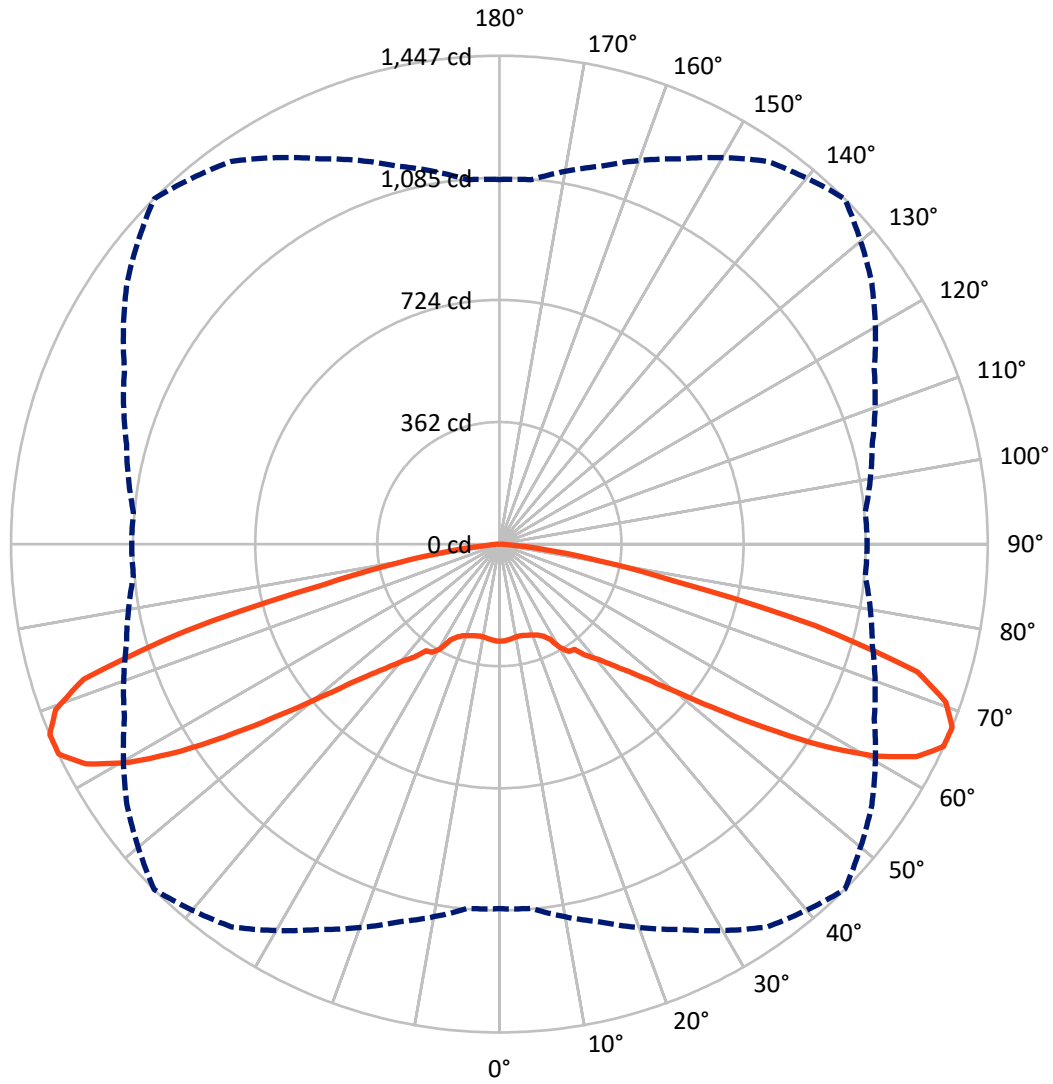
✕ Max cd  
 - - - 1/2 Max cd



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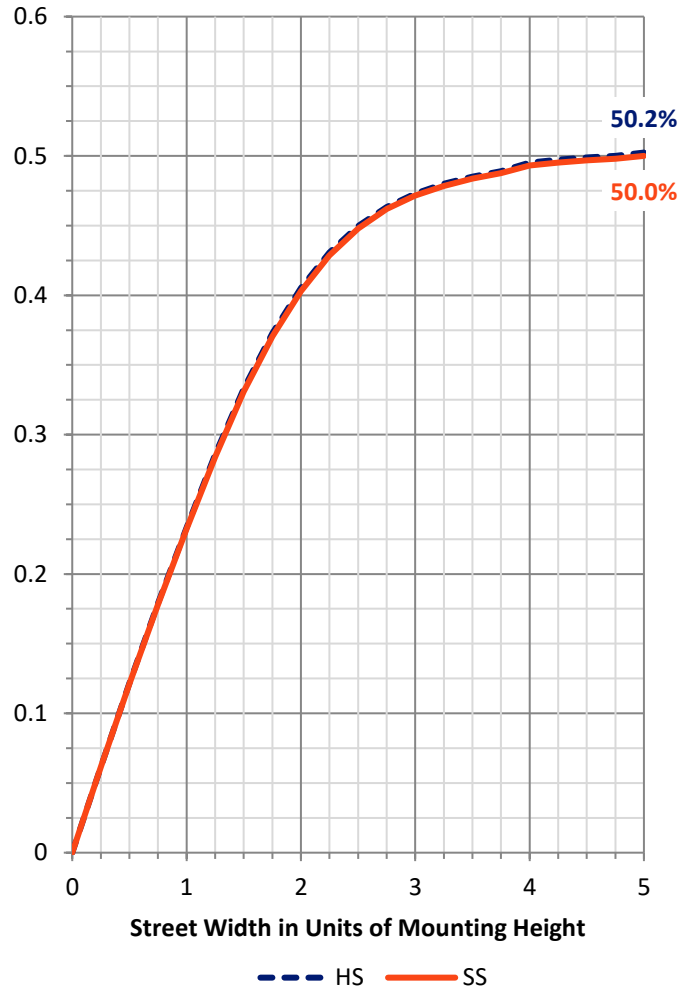
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1832.9	0.0	1832.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1832.9	0.0	1832.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3665.8	0.0	3665.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.0	0.7
10°-20°	80.1	2.2
20°-30°	143.7	3.9
30°-40°	242.7	6.6
40°-50°	426.5	11.6
50°-60°	822.7	22.4
60°-70°	1193.6	32.6
70°-80°	682.9	18.6
80°-90°	46.6	1.3
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°	3665.8	100.0
0°-180°	3665.8	100.0

**Coefficient of Utilization**



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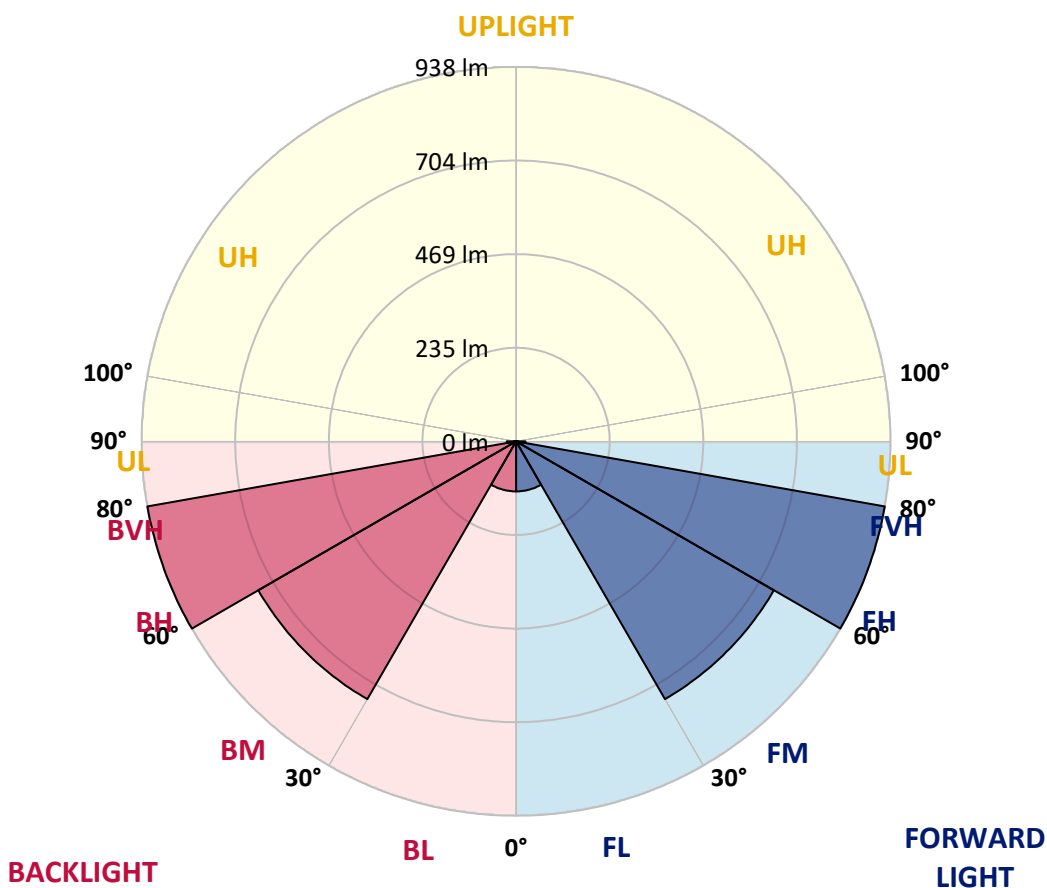
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.4	3.4			
FM (30°-60°)	745.9	20.3			
FH (60°-80°)	938.3	25.6			G1/1800
FVH (80°-90°)	23.3	0.6			G1/100
BL (0°-30°)	125.4	3.4	B1/500		
BM (30°-60°)	745.9	20.3	B1/1000		
BH (60°-80°)	938.3	25.6	B2/1000		G1/1800
BVH (80°-90°)	23.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5
2.5°	285.1	285.4	285.9	285.9	286.4	287.2	287.5	287.0	287.2	285.9	287.2
5°	284.4	284.6	284.9	284.4	284.4	284.6	284.6	284.1	284.4	283.1	284.4
7.5°	282.5	282.8	282.8	282.0	281.3	281.8	281.8	281.3	281.5	280.2	281.8
10°	281.0	281.0	280.7	279.2	278.4	279.2	279.4	279.7	280.7	279.7	281.5
12.5°	282.0	282.0	281.3	279.2	277.9	278.4	278.9	279.4	281.3	281.0	283.1
15°	284.9	285.1	283.1	280.7	280.0	280.7	280.2	280.0	282.3	283.1	285.4
17.5°	287.2	287.2	284.6	282.3	282.5	283.8	282.8	281.5	283.8	285.4	288.0
20°	289.3	289.0	286.2	284.6	285.7	287.5	286.7	284.9	286.4	288.3	290.6
22.5°	294.5	294.2	291.1	290.3	291.4	293.2	292.4	290.8	292.7	295.3	298.1
25°	309.2	308.7	304.1	301.5	301.0	302.2	302.0	301.5	304.3	307.4	310.8
27.5°	328.9	328.7	325.3	322.7	319.4	318.3	319.1	321.4	325.6	327.9	330.8
30°	338.8	338.8	338.3	342.4	349.7	356.7	351.2	342.4	338.8	337.8	340.6
32.5°	351.8	353.1	351.2	355.9	368.1	378.5	368.1	353.8	351.2	351.2	354.4
35°	381.6	382.1	379.2	378.5	382.3	383.6	378.7	373.5	376.4	376.9	380.8
37.5°	405.4	405.4	404.1	406.2	414.2	419.2	411.1	401.8	402.6	403.1	408.0
40°	442.2	443.3	440.2	439.9	443.0	447.4	438.9	432.9	437.0	438.3	445.9
42.5°	488.1	488.1	483.4	482.1	484.2	488.9	480.9	477.0	482.4	483.4	487.8
45°	542.8	544.1	537.9	535.5	536.6	538.1	532.4	530.6	535.8	538.1	545.9
47.5°	609.4	610.7	605.3	605.0	604.0	605.0	599.6	598.5	602.7	600.9	609.2
50°	691.6	693.9	689.3	695.7	695.0	698.1	690.6	685.1	685.1	680.2	684.9
52.5°	783.6	788.3	790.6	801.5	809.8	817.6	805.1	796.6	784.1	774.0	786.7
55°	883.9	882.6	897.4	921.3	945.6	964.0	939.7	912.7	892.5	871.5	876.4
57.5°	971.8	976.2	995.7	1039.2	1087.4	1126.3	1082.5	1030.7	984.8	954.7	958.8
60°	1044.9	1048.5	1074.5	1137.2	1221.4	1275.1	1205.6	1120.1	1053.5	1012.0	1016.4
62.5°	1112.3	1115.7	1141.9	1211.1	1317.3	1387.3	1297.6	1180.7	1106.6	1064.9	1067.5
65°	1151.2	1153.3	1189.0	1261.9	1373.9	1446.2	1345.1	1224.5	1151.7	1109.2	1110.8
67.5°	1080.4	1083.8	1159.2	1259.8	1384.7	1447.2	1347.2	1225.8	1143.9	1088.5	1089.8
70°	852.3	849.5	939.4	1112.3	1322.3	1403.7	1287.3	1133.8	1007.3	929.8	928.5
72.5°	649.9	650.6	700.7	819.1	1078.1	1295.3	1135.9	913.0	776.6	717.8	715.4
75°	471.3	478.5	519.2	606.1	754.1	968.2	855.2	676.6	585.3	550.1	544.9
77.5°	212.3	221.6	278.4	380.5	504.2	535.0	537.1	459.3	346.6	288.0	278.9
80°	62.0	66.4	85.3	145.9	234.9	303.5	241.1	202.7	126.2	99.0	94.4
82.5°	26.2	29.8	36.5	40.4	68.2	140.8	87.6	55.7	51.8	42.0	38.4
85°	11.1	11.9	15.3	16.3	22.0	30.1	27.7	25.1	24.1	18.7	17.1
87.5°	4.7	4.7	4.7	4.1	3.9	4.1	5.7	7.3	9.6	7.5	7.0
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)