

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: P629107

Luminaire Tested: GWS-SA1B-722-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629107  
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-SA1B-722-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

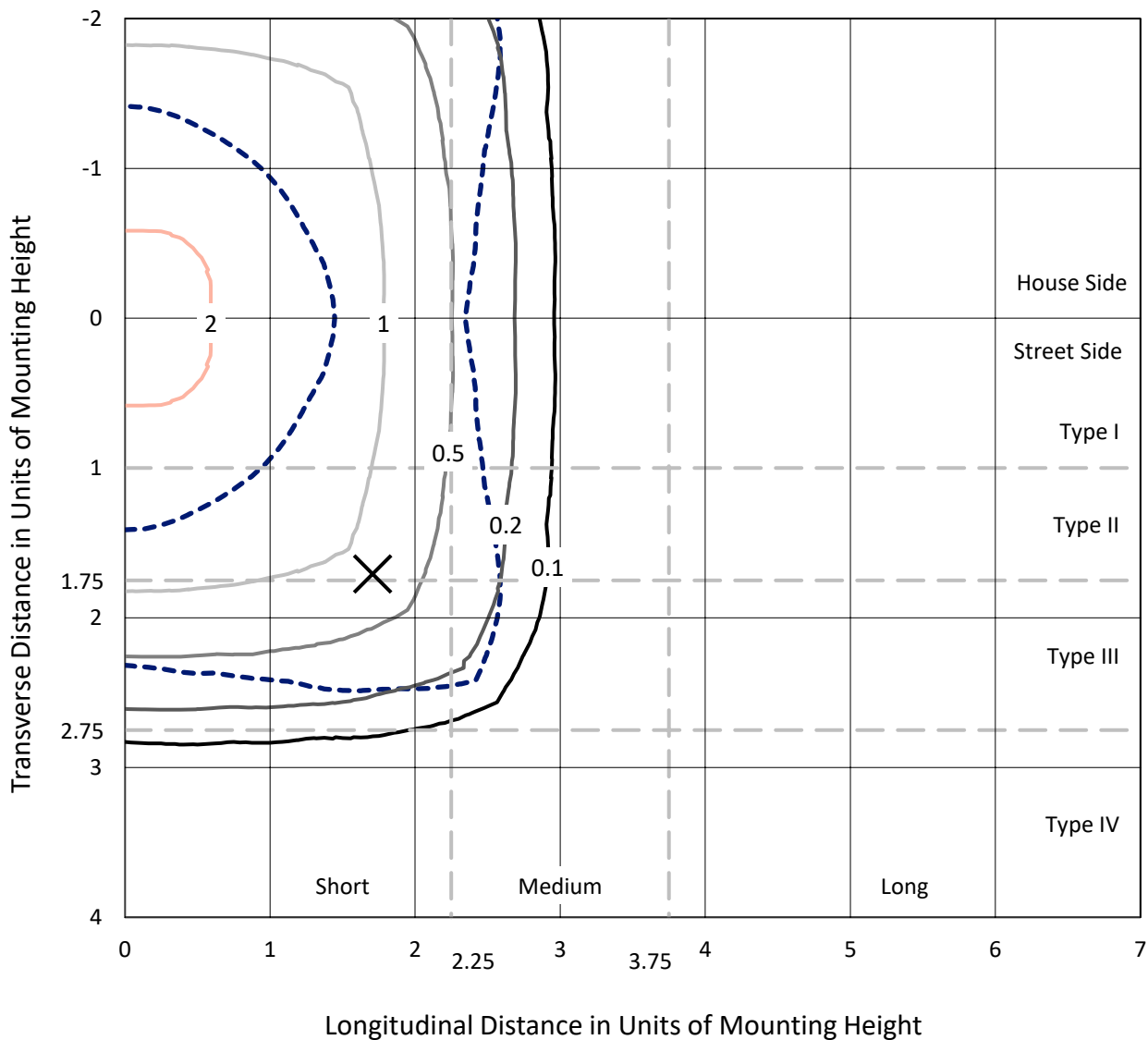
Lumens per Lamp: N/A  
Luminaire Lumens: 2733.9 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

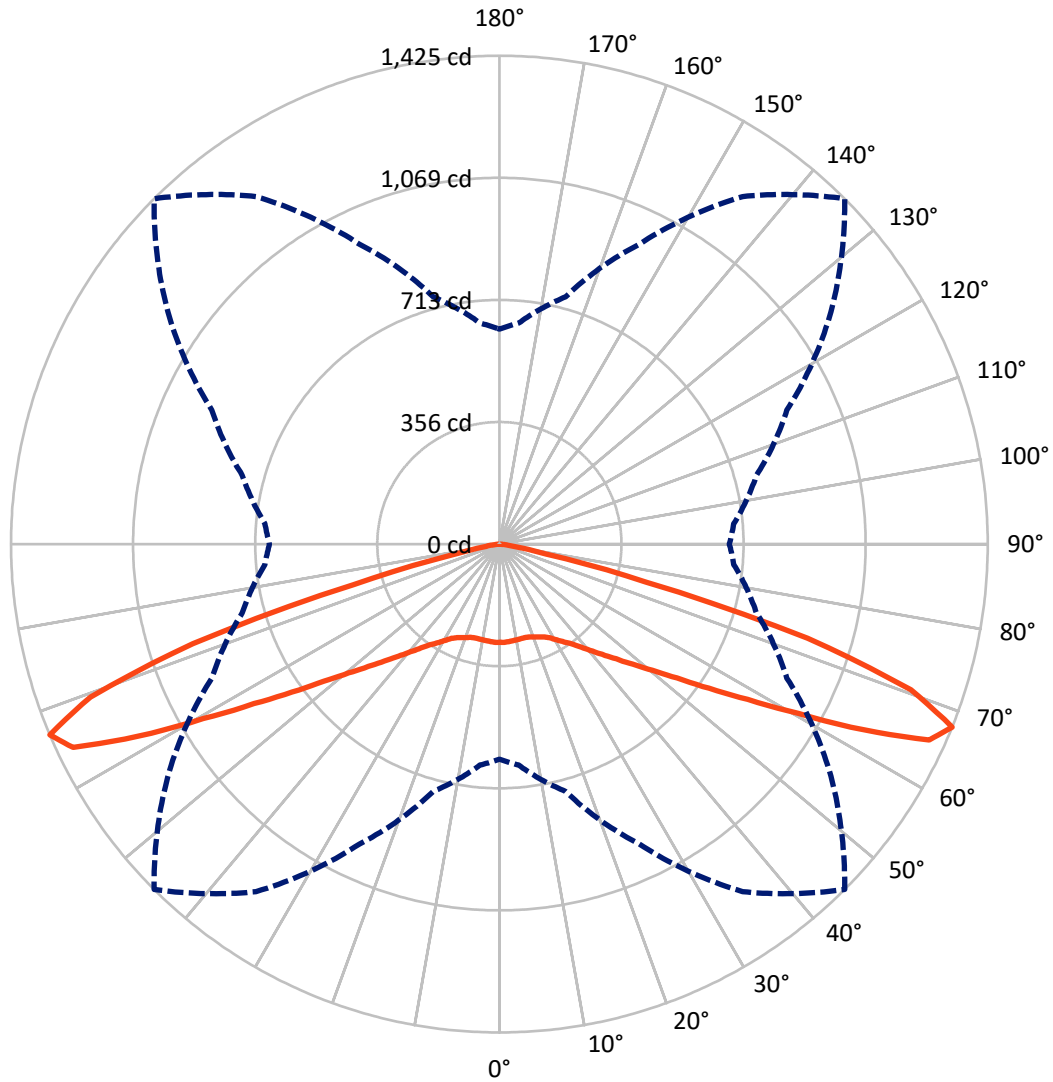
✕ Max cd  
 - - - 1/2 Max cd



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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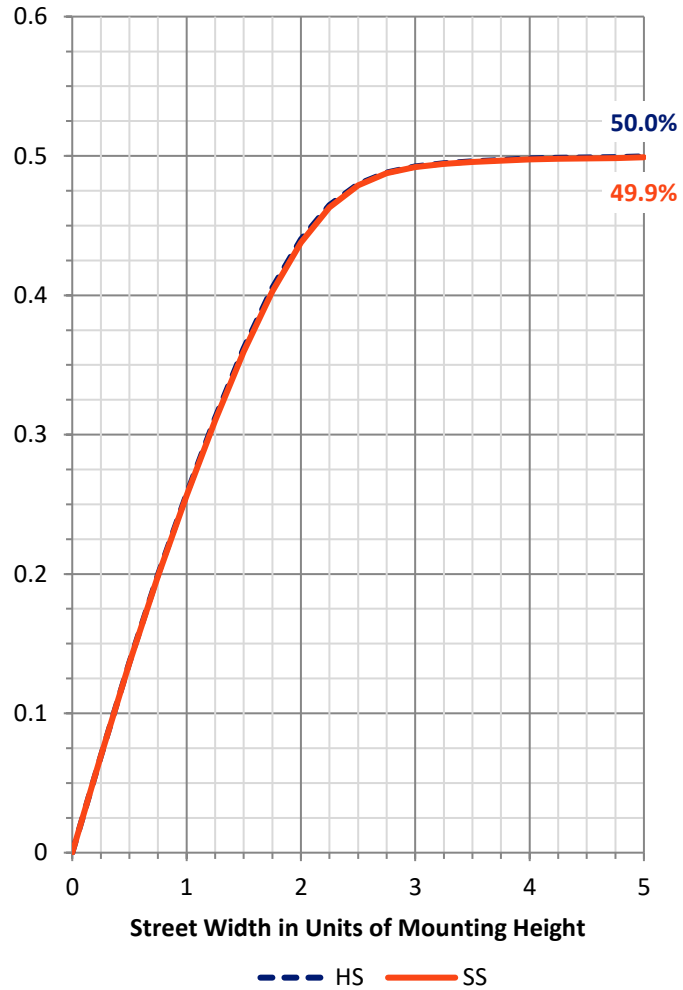
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1367.0	0.0	1367.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1367.0	0.0	1367.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2733.9	0.0	2733.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	1.0
10°-20°	79.6	2.9
20°-30°	137.3	5.0
30°-40°	223.2	8.2
40°-50°	375.9	13.7
50°-60°	665.9	24.4
60°-70°	951.9	34.8
70°-80°	261.3	9.6
80°-90°	11.7	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°	2733.9	100.0
0°-180°	2733.9	100.0

**Coefficient of Utilization**



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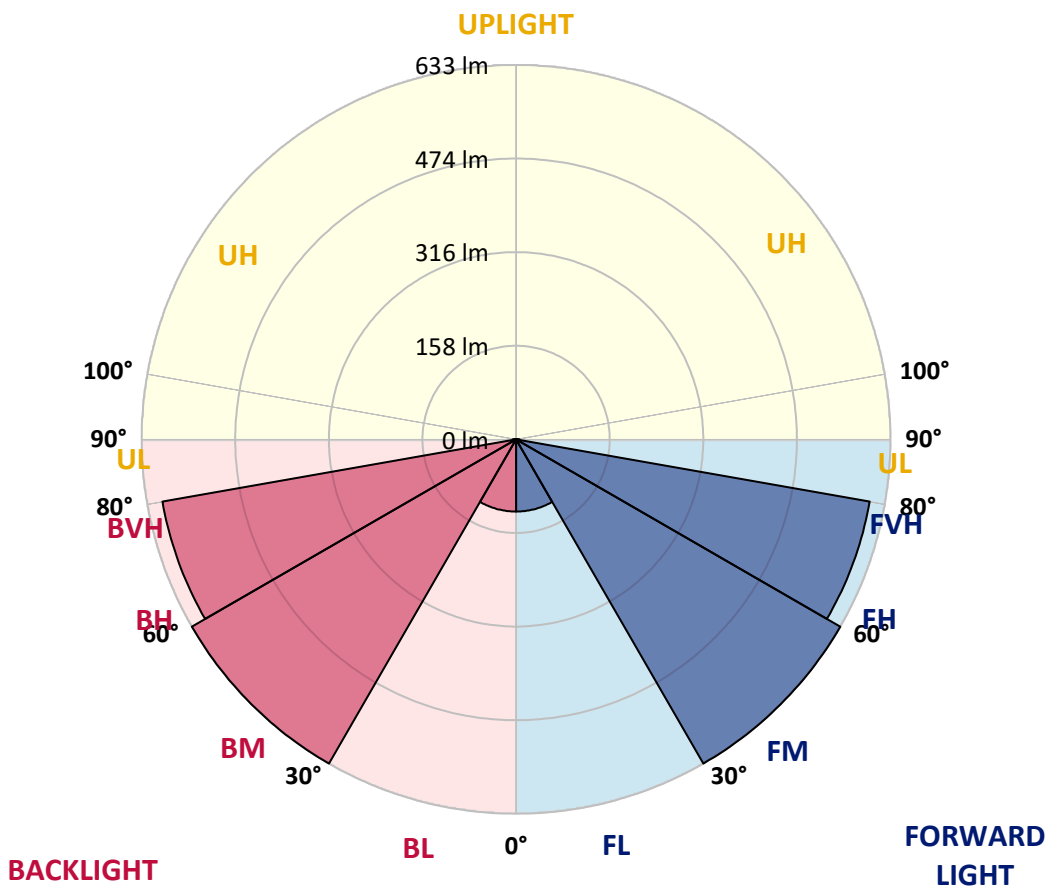
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.0	4.5			
FM (30°-60°)	632.5	23.1			
FH (60°-80°)	606.6	22.2			G0/660
FVH (80°-90°)	5.9	0.2			G0/10
BL (0°-30°)	122.0	4.5	B1/500		
BM (30°-60°)	632.5	23.1	B1/1000		
BH (60°-80°)	606.6	22.2	B2/1000		G0/660
BVH (80°-90°)	5.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3	286.3
2.5°	284.4	284.2	285.2	285.8	285.6	286.9	286.7	286.3	286.3	285.8	287.3
5°	284.4	284.2	285.0	285.2	284.8	285.9	285.6	285.2	285.2	284.4	285.8
7.5°	282.9	283.1	283.7	284.1	283.7	284.6	284.1	283.3	283.1	282.4	283.7
10°	280.1	280.3	280.8	281.8	282.0	283.7	282.7	281.4	280.8	280.1	281.4
12.5°	278.4	278.6	279.1	280.3	280.7	282.9	282.0	279.9	278.9	278.2	279.5
15°	278.0	278.2	278.9	280.1	280.7	282.9	282.0	279.5	278.2	277.2	278.4
17.5°	278.0	278.4	279.5	281.2	282.4	284.6	283.5	280.7	278.8	277.1	278.2
20°	278.2	278.8	280.5	282.9	285.8	289.0	287.5	283.7	281.0	278.9	279.7
22.5°	279.9	280.8	282.9	286.1	290.3	294.1	292.8	287.7	283.9	281.0	281.8
25°	285.8	286.1	288.8	293.0	296.9	300.1	298.8	294.1	289.4	285.9	286.9
27.5°	296.2	297.1	299.4	303.7	307.1	308.8	308.7	305.4	300.7	297.7	298.4
30°	308.7	309.6	312.6	317.6	321.0	322.9	322.3	319.8	315.5	311.3	312.1
32.5°	323.2	323.6	327.2	332.7	336.3	339.1	337.2	334.6	329.1	324.2	324.6
35°	341.8	342.3	346.1	351.2	354.1	356.3	356.0	353.3	347.5	342.2	343.5
37.5°	365.1	365.4	368.8	375.3	377.5	379.2	379.6	378.3	372.2	365.4	366.8
40°	394.0	394.2	398.0	403.7	406.1	407.3	407.4	407.6	401.4	396.3	395.9
42.5°	427.7	428.6	433.9	439.4	440.6	440.0	441.9	443.8	437.7	430.7	431.3
45°	468.0	468.6	475.8	481.8	479.7	477.8	481.4	485.2	479.7	470.7	468.0
47.5°	515.7	516.8	524.6	530.6	527.2	523.8	529.7	533.7	524.8	515.1	512.7
50°	569.6	570.4	581.4	588.9	585.0	578.7	586.1	590.3	578.3	566.4	561.1
52.5°	633.4	631.9	646.5	659.7	657.2	649.1	655.2	655.9	638.1	621.3	616.0
55°	711.2	709.7	724.2	738.8	744.9	742.8	739.9	735.4	709.1	691.1	686.2
57.5°	801.8	797.1	817.5	837.2	850.5	854.3	842.1	831.5	810.7	788.6	782.9
60°	886.0	885.9	918.2	952.3	988.6	1003.8	973.1	944.3	897.6	857.3	849.1
62.5°	909.7	913.7	966.7	1051.1	1140.8	1194.3	1113.5	1018.3	928.1	867.3	856.5
65°	851.4	861.3	936.6	1069.8	1246.9	1377.9	1195.5	1020.0	894.2	818.5	807.1
67.5°	627.5	647.2	747.0	965.3	1237.9	1425.0	1180.9	925.6	776.7	686.6	670.9
70°	309.6	328.3	407.4	635.1	1018.5	1273.8	1021.7	697.6	524.6	437.9	423.5
72.5°	113.9	121.5	152.5	271.8	562.1	940.9	698.7	389.7	254.2	202.3	192.7
75°	55.8	57.2	61.9	91.2	207.4	442.8	328.3	149.5	93.5	81.4	78.7
77.5°	35.6	36.1	38.4	43.5	66.6	139.5	99.5	59.0	45.8	43.9	43.9
80°	19.9	20.4	23.5	27.1	31.2	47.9	35.8	35.4	30.1	26.3	25.7
82.5°	9.5	10.4	15.0	14.8	16.5	24.0	21.0	19.1	19.3	14.6	13.8
85°	4.4	4.4	5.9	7.0	7.4	8.1	9.7	11.0	10.8	7.4	7.9
87.5°	2.1	2.1	2.1	1.9	1.7	1.5	2.1	3.4	4.9	3.4	3.2
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)