

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: P629547

Luminaire Tested: GWS-SA1B-830-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629547  
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-830-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

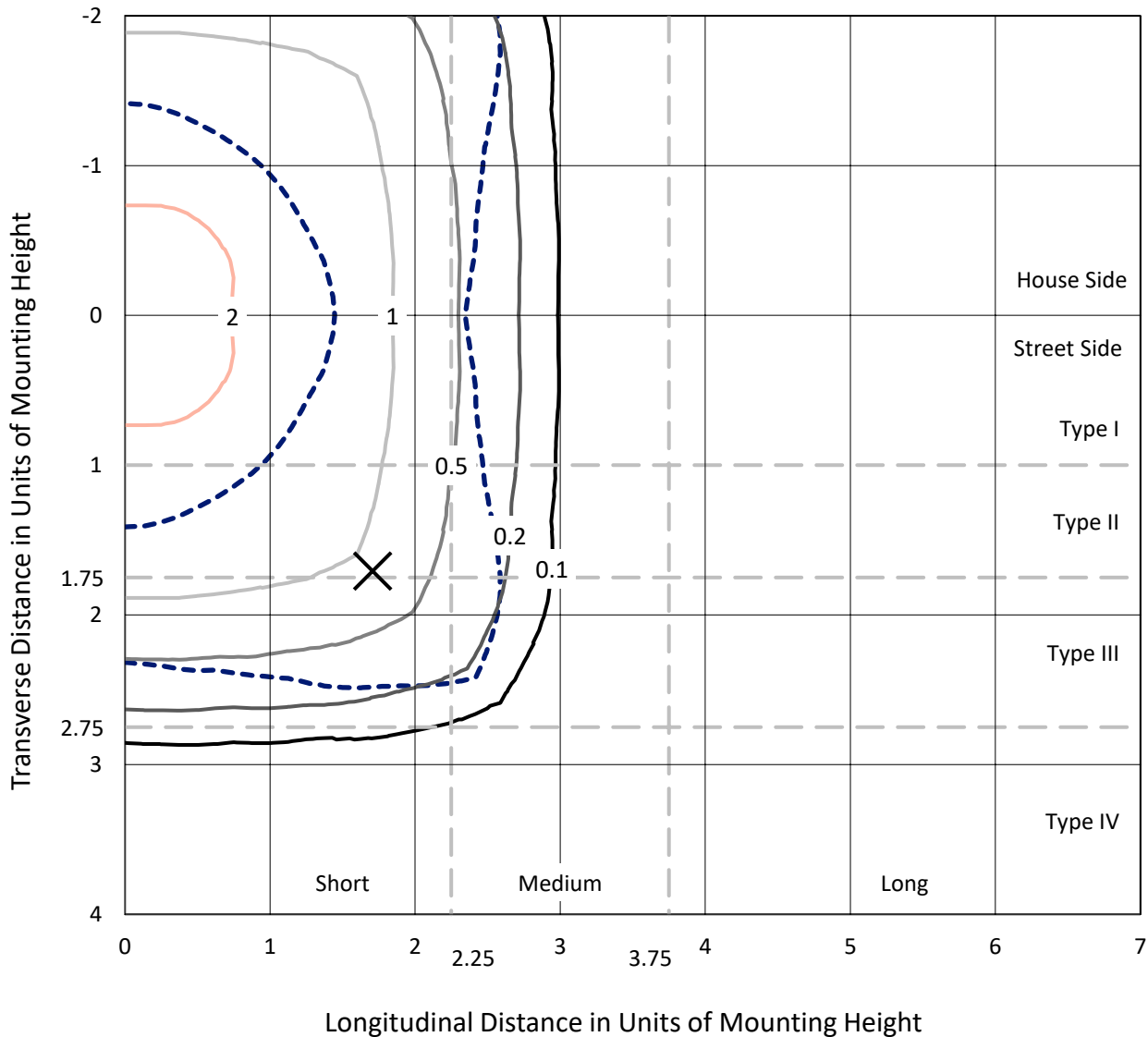
Lumens per Lamp: N/A  
Luminaire Lumens: 2948.4 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

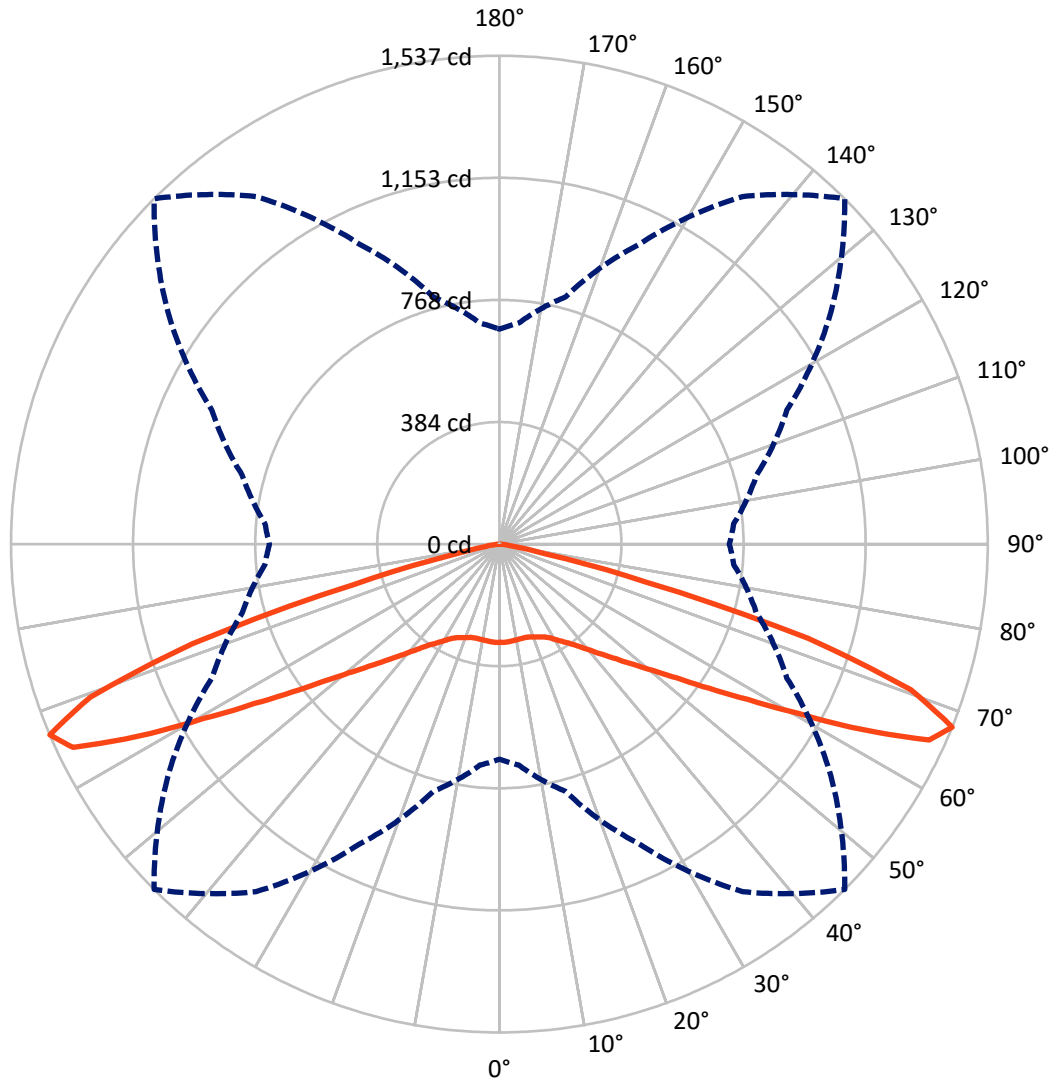
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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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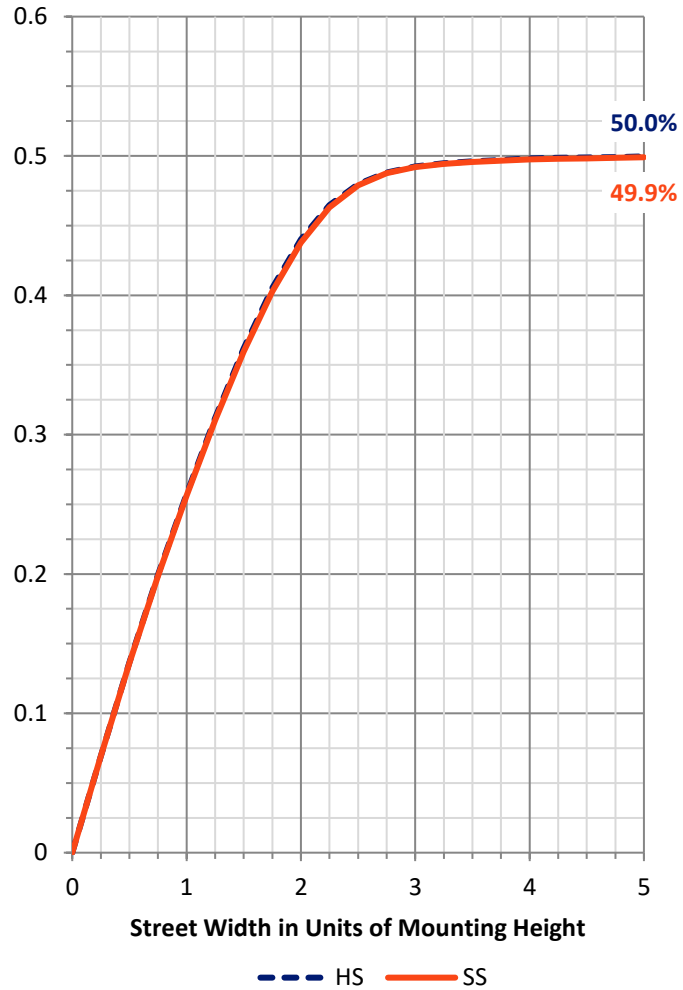
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1474.2	0.0	1474.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1474.2	0.0	1474.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2948.4	0.0	2948.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.2	1.0
10°-20°	85.8	2.9
20°-30°	148.1	5.0
30°-40°	240.7	8.2
40°-50°	405.3	13.7
50°-60°	718.2	24.4
60°-70°	1026.6	34.8
70°-80°	281.8	9.6
80°-90°	12.6	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°	2948.4	100.0
0°-180°	2948.4	100.0

**Coefficient of Utilization**



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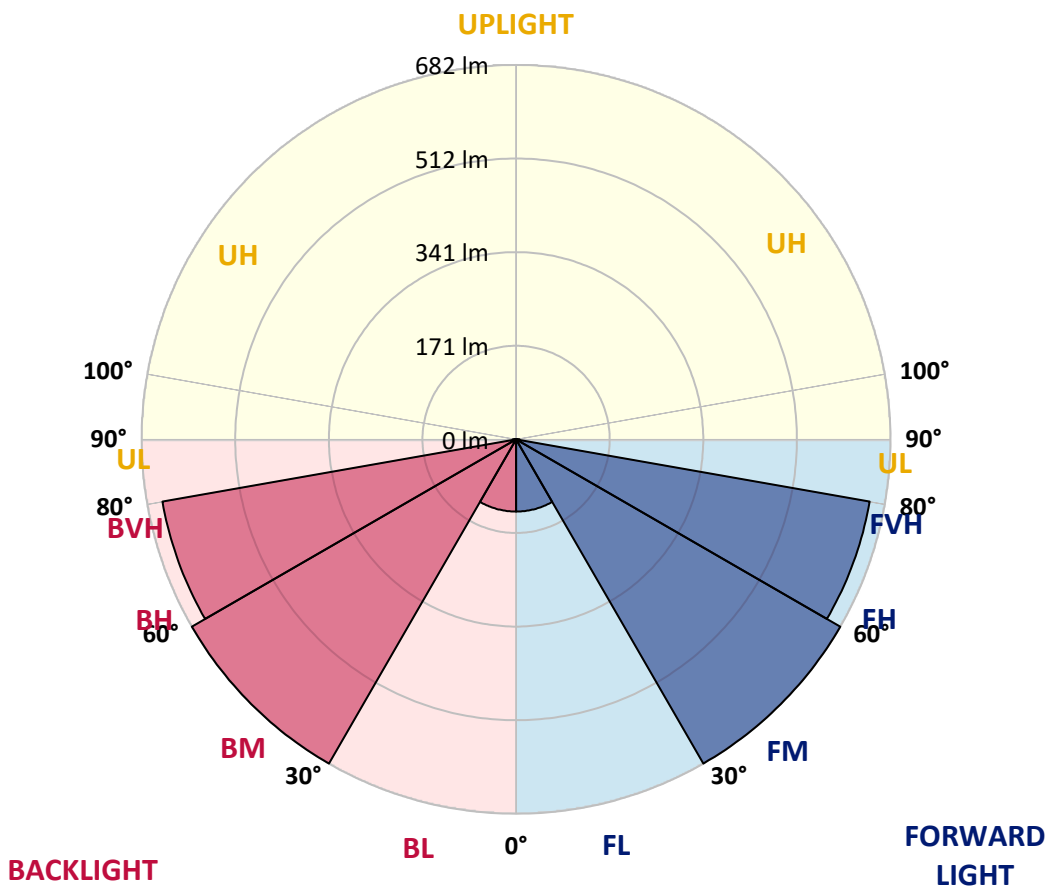
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.6	4.5			
FM (30°-60°)	682.1	23.1			
FH (60°-80°)	654.2	22.2			G0/660
FVH (80°-90°)	6.3	0.2			G0/10
BL (0°-30°)	131.6	4.5	B1/500		
BM (30°-60°)	682.1	23.1	B1/1000		
BH (60°-80°)	654.2	22.2	B2/1000		G0/660
BVH (80°-90°)	6.3	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°	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8
2.5°	306.8	306.5	307.6	308.2	308.0	309.4	309.2	308.8	308.8	308.2	309.8
5°	306.8	306.5	307.4	307.6	307.2	308.4	308.0	307.6	307.6	306.8	308.2
7.5°	305.1	305.3	305.9	306.3	305.9	307.0	306.3	305.5	305.3	304.5	305.9
10°	302.1	302.3	302.9	303.9	304.1	305.9	304.9	303.5	302.9	302.1	303.5
12.5°	300.2	300.4	301.0	302.3	302.7	305.1	304.1	301.9	300.8	300.0	301.4
15°	299.8	300.0	300.8	302.1	302.7	305.1	304.1	301.4	300.0	299.0	300.2
17.5°	299.8	300.2	301.4	303.3	304.5	307.0	305.7	302.7	300.6	298.8	300.0
20°	300.0	300.6	302.5	305.1	308.2	311.7	310.0	305.9	303.1	300.8	301.6
22.5°	301.9	302.9	305.1	308.6	313.1	317.2	315.7	310.2	306.1	303.1	303.9
25°	308.2	308.6	311.4	315.9	320.2	323.7	322.3	317.2	312.1	308.4	309.4
27.5°	319.4	320.4	322.9	327.6	331.2	333.1	332.9	329.4	324.3	321.0	321.9
30°	332.9	333.9	337.2	342.5	346.1	348.2	347.6	344.9	340.2	335.7	336.5
32.5°	348.6	349.0	352.9	358.8	362.7	365.7	363.7	360.8	354.9	349.6	350.0
35°	368.6	369.2	373.3	378.8	381.9	384.3	383.9	381.0	374.7	369.0	370.4
37.5°	393.7	394.1	397.8	404.7	407.2	409.0	409.4	408.0	401.5	394.1	395.5
40°	424.9	425.1	429.2	435.3	438.0	439.2	439.4	439.6	432.9	427.4	427.0
42.5°	461.3	462.3	468.0	473.9	475.1	474.5	476.6	478.6	472.1	464.5	465.1
45°	504.7	505.3	513.1	519.6	517.4	515.3	519.2	523.3	517.4	507.6	504.7
47.5°	556.2	557.4	565.7	572.3	568.6	564.9	571.3	575.5	566.0	555.5	552.9
50°	614.3	615.1	627.0	635.1	630.9	624.1	632.1	636.6	623.7	610.9	605.1
52.5°	683.1	681.5	697.2	711.5	708.8	700.0	706.6	707.4	688.2	670.0	664.3
55°	767.0	765.3	781.1	796.8	803.3	801.1	798.0	793.1	764.7	745.3	740.0
57.5°	864.7	859.6	881.7	902.9	917.2	921.3	908.2	896.8	874.3	850.5	844.3
60°	955.6	955.4	990.3	1027.0	1066.2	1082.5	1049.4	1018.4	968.0	924.5	915.8
62.5°	981.1	985.4	1042.5	1133.5	1230.3	1288.0	1200.9	1098.2	1000.9	935.4	923.7
65°	918.2	928.8	1010.1	1153.7	1344.8	1486.0	1289.3	1100.1	964.3	882.7	870.5
67.5°	676.8	698.0	805.6	1041.1	1335.0	1536.8	1273.5	998.2	837.6	740.4	723.5
70°	333.9	354.1	439.4	684.9	1098.4	1373.8	1101.9	752.3	565.7	472.3	456.8
72.5°	122.9	131.0	164.5	293.1	606.2	1014.8	753.5	420.2	274.1	218.2	207.8
75°	60.2	61.6	66.7	98.4	223.7	477.6	354.1	161.2	100.8	87.8	84.9
77.5°	38.4	39.0	41.4	46.9	71.8	150.4	107.4	63.7	49.4	47.3	47.3
80°	21.4	22.0	25.3	29.2	33.7	51.6	38.6	38.2	32.5	28.4	27.8
82.5°	10.2	11.2	16.1	15.9	17.8	25.9	22.7	20.6	20.8	15.7	14.9
85°	4.7	4.7	6.3	7.6	8.0	8.8	10.4	11.8	11.6	8.0	8.6
87.5°	2.2	2.2	2.2	2.0	1.8	1.6	2.2	3.7	5.3	3.7	3.5
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)