

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: P629438

Luminaire Tested: GWS-SA1B-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

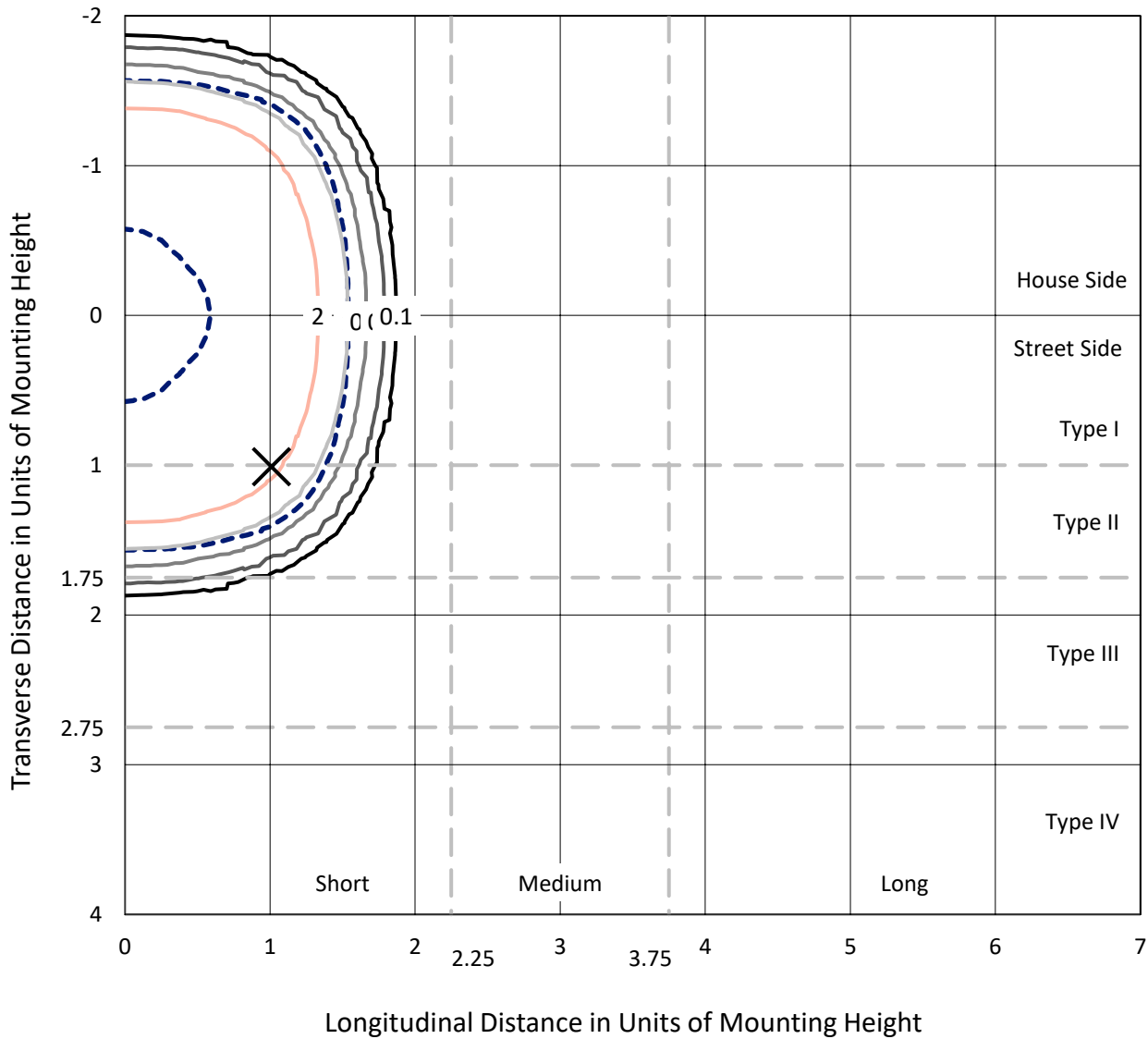
Lumens per Lamp: N/A  
Luminaire Lumens: 2544.4 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

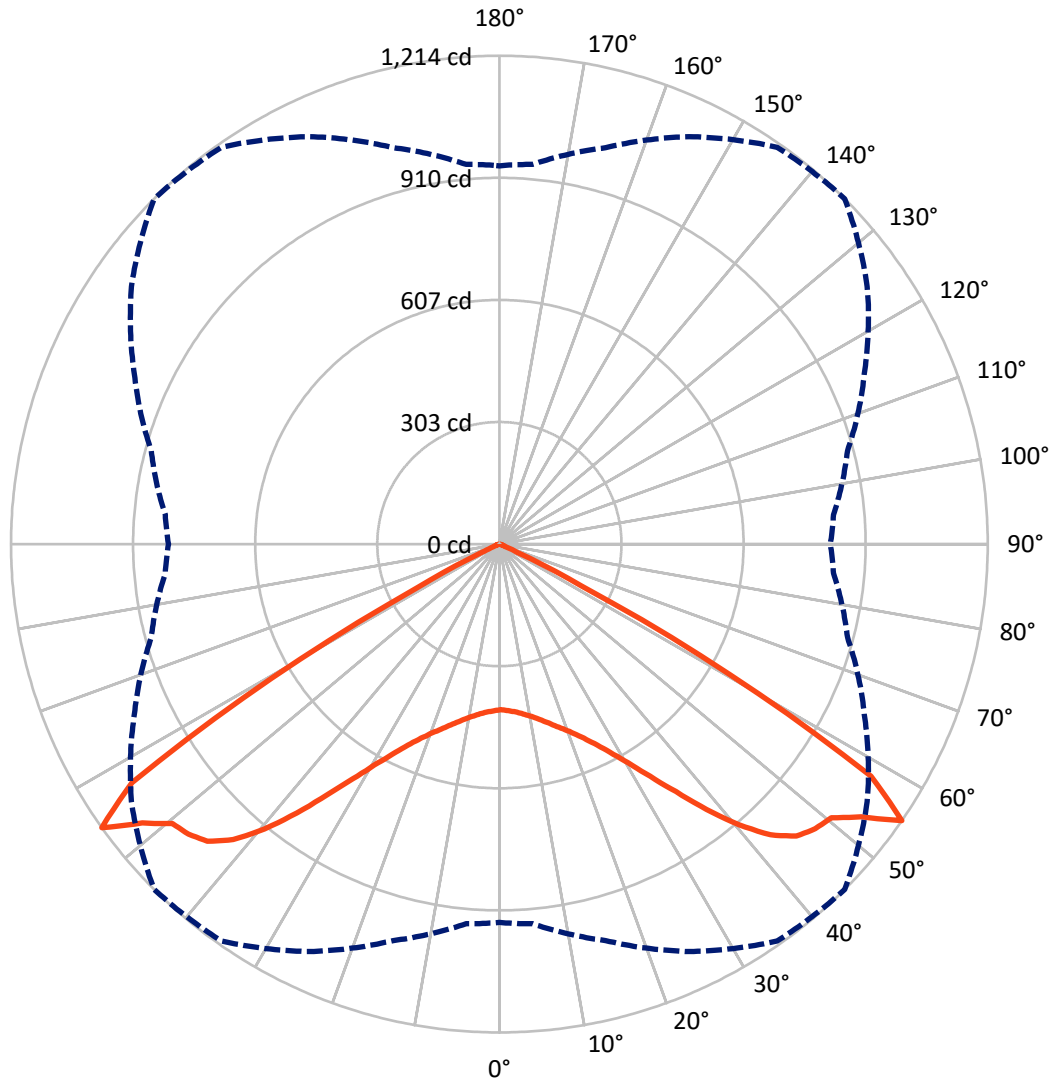
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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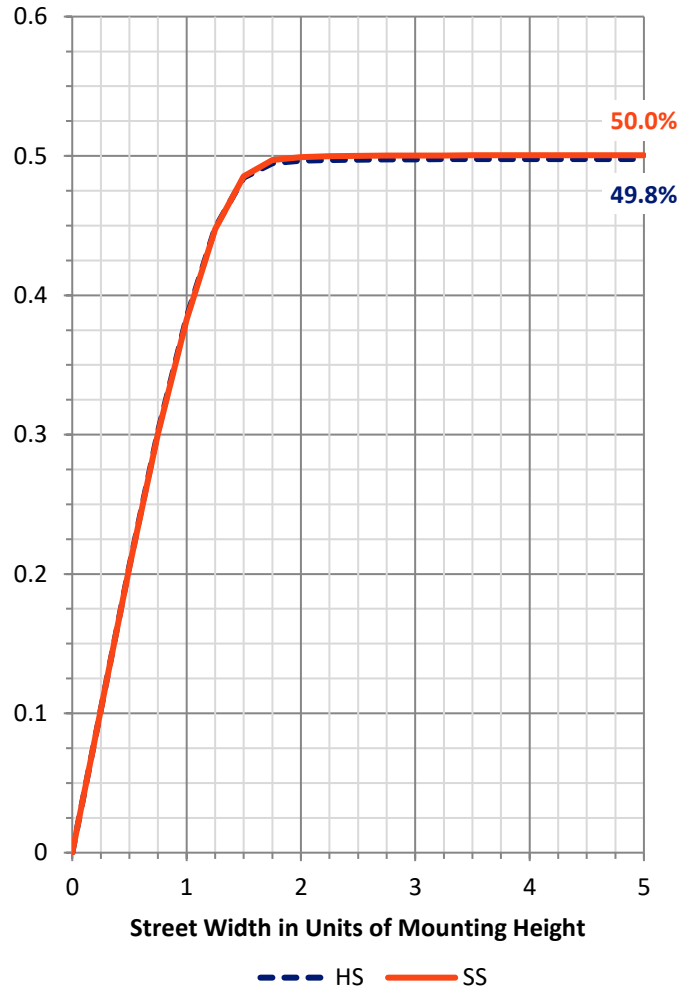
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1272.2	0.0	1272.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1272.2	0.0	1272.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2544.4	0.0	2544.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	1.6
10°-20°	130.7	5.1
20°-30°	253.0	9.9
30°-40°	453.3	17.8
40°-50°	760.0	29.9
50°-60°	813.6	32.0
60°-70°	89.4	3.5
70°-80°	3.9	0.2
80°-90°	0.2	0.0
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°	2544.4	100.0
0°-180°	2544.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629438

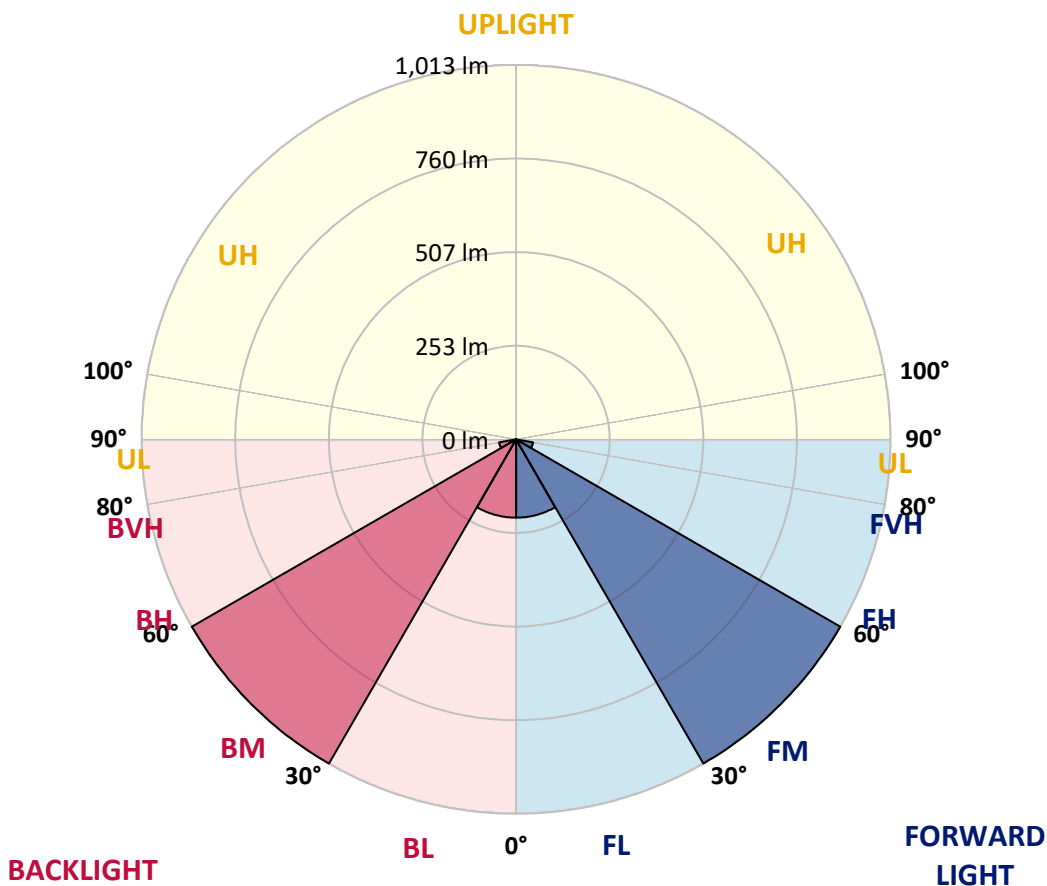
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.0	8.3			
FM (30°-60°)	1013.4	39.8			
FH (60°-80°)	46.7	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	212.0	8.3	B1/500		
BM (30°-60°)	1013.4	39.8	B2/2500		
BH (60°-80°)	46.7	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			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°	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4
2.5°	410.6	410.6	411.6	412.4	412.4	414.5	413.7	412.9	412.9	411.9	414.0
5°	416.6	416.3	417.3	417.9	416.8	418.9	417.6	416.8	416.3	415.3	417.3
7.5°	423.0	423.3	423.6	424.6	424.1	426.2	425.1	423.6	423.0	421.5	423.6
10°	430.8	430.8	431.3	432.6	432.9	435.5	434.5	432.6	431.1	429.5	431.6
12.5°	440.7	440.9	441.7	443.5	444.6	447.4	445.9	442.2	439.9	438.1	440.4
15°	454.9	454.7	455.7	458.3	459.6	461.7	459.3	454.4	451.6	449.5	451.0
17.5°	470.5	470.5	471.0	473.6	475.4	478.5	475.7	469.7	467.1	464.3	465.8
20°	487.6	488.4	488.9	490.7	493.8	496.9	494.6	488.6	485.8	482.1	484.0
22.5°	510.1	509.4	509.6	512.7	517.1	520.3	518.4	511.4	506.5	503.7	504.7
25°	535.3	535.0	535.8	540.5	545.4	548.8	546.2	537.1	532.2	527.3	529.3
27.5°	566.1	566.4	566.9	572.6	580.4	585.3	578.8	569.8	563.0	556.5	558.1
30°	602.7	602.2	603.7	611.5	622.9	630.7	623.2	610.5	600.9	594.6	595.4
32.5°	641.6	642.1	646.2	658.7	673.7	687.4	672.2	655.3	642.9	631.2	632.8
35°	683.6	684.9	694.2	712.6	737.2	755.6	734.4	706.6	689.0	674.0	674.5
37.5°	733.1	736.2	749.1	776.6	811.9	836.5	805.4	768.6	745.8	727.1	725.8
40°	798.1	801.8	819.4	852.1	894.8	917.4	881.3	843.5	815.2	795.0	791.9
42.5°	872.8	877.5	896.6	930.1	972.8	988.1	952.9	921.0	895.6	871.8	870.7
45°	957.0	959.6	975.2	1000.8	1031.7	1035.3	1008.9	991.3	965.6	943.3	941.5
47.5°	1036.1	1038.7	1049.3	1062.5	1069.8	1056.8	1052.2	1044.4	1011.2	983.7	978.0
50°	1096.2	1098.3	1111.5	1116.7	1096.5	1069.0	1078.1	1061.5	1025.5	994.6	985.8
52.5°	1092.1	1097.3	1131.2	1160.8	1148.1	1125.8	1101.4	1065.6	1009.7	967.4	956.5
55°	940.2	947.2	1020.0	1117.2	1204.1	1213.7	1116.2	1000.8	895.6	833.6	822.5
57.5°	604.2	606.1	695.0	831.3	1027.0	1088.7	925.7	754.6	623.7	555.5	550.8
60°	222.2	218.5	285.7	398.7	591.5	656.9	544.9	381.6	272.2	224.0	220.1
62.5°	53.4	53.9	66.9	100.3	185.6	229.7	181.5	101.4	64.5	54.2	53.7
65°	27.0	26.4	26.7	28.8	39.7	47.4	38.9	27.5	26.4	26.7	26.4
67.5°	17.4	17.1	17.6	17.9	17.6	16.6	16.3	16.8	16.8	17.1	16.6
70°	10.6	10.4	10.9	11.7	11.1	9.9	10.4	10.9	10.4	10.1	10.1
72.5°	5.7	5.7	6.2	6.7	6.2	5.7	5.7	6.0	5.7	5.7	5.7
75°	2.6	2.6	2.9	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.0	1.0
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)