

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: P629550

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629550  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

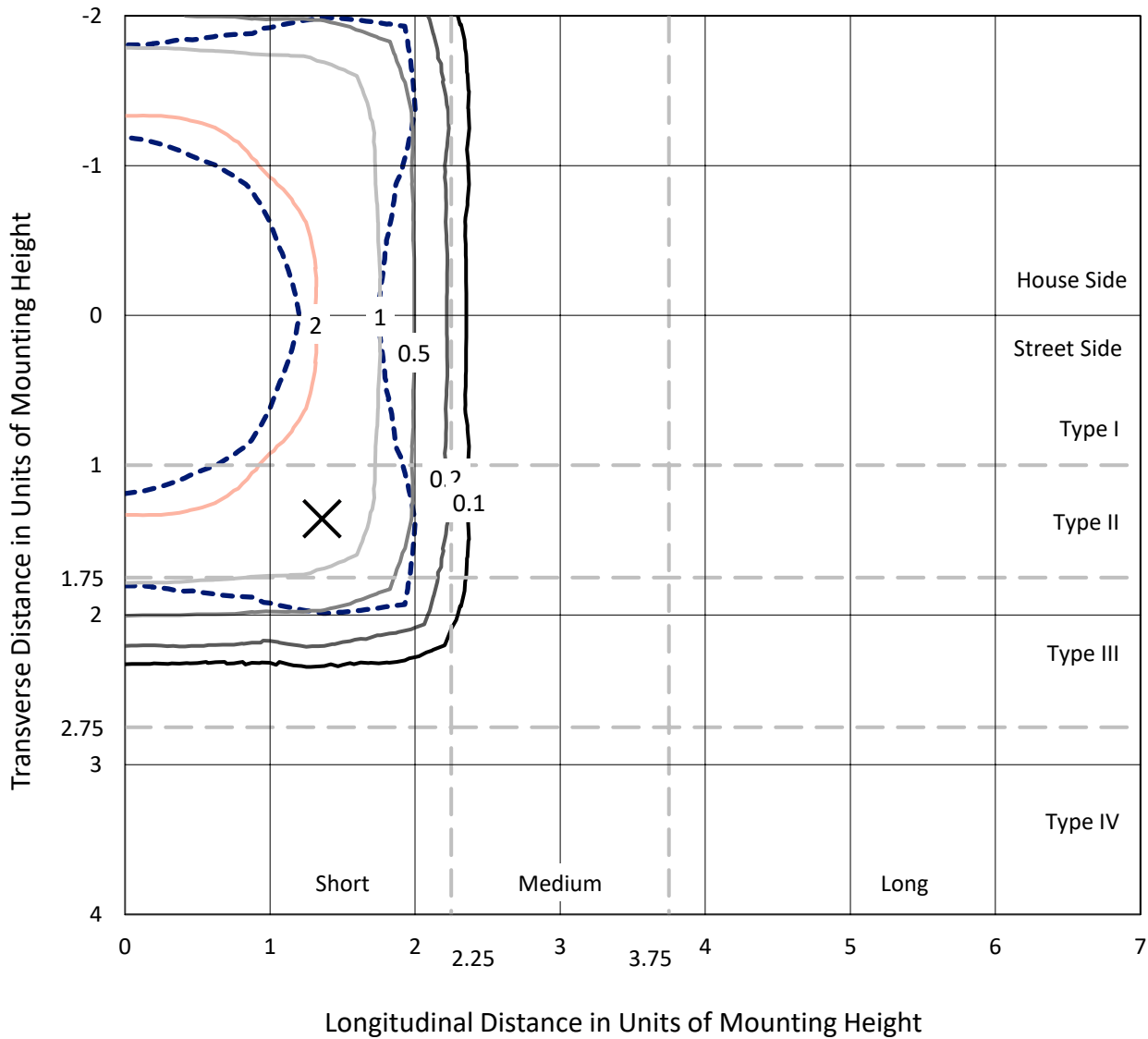
Lumens per Lamp: N/A  
Luminaire Lumens: 2975.8 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

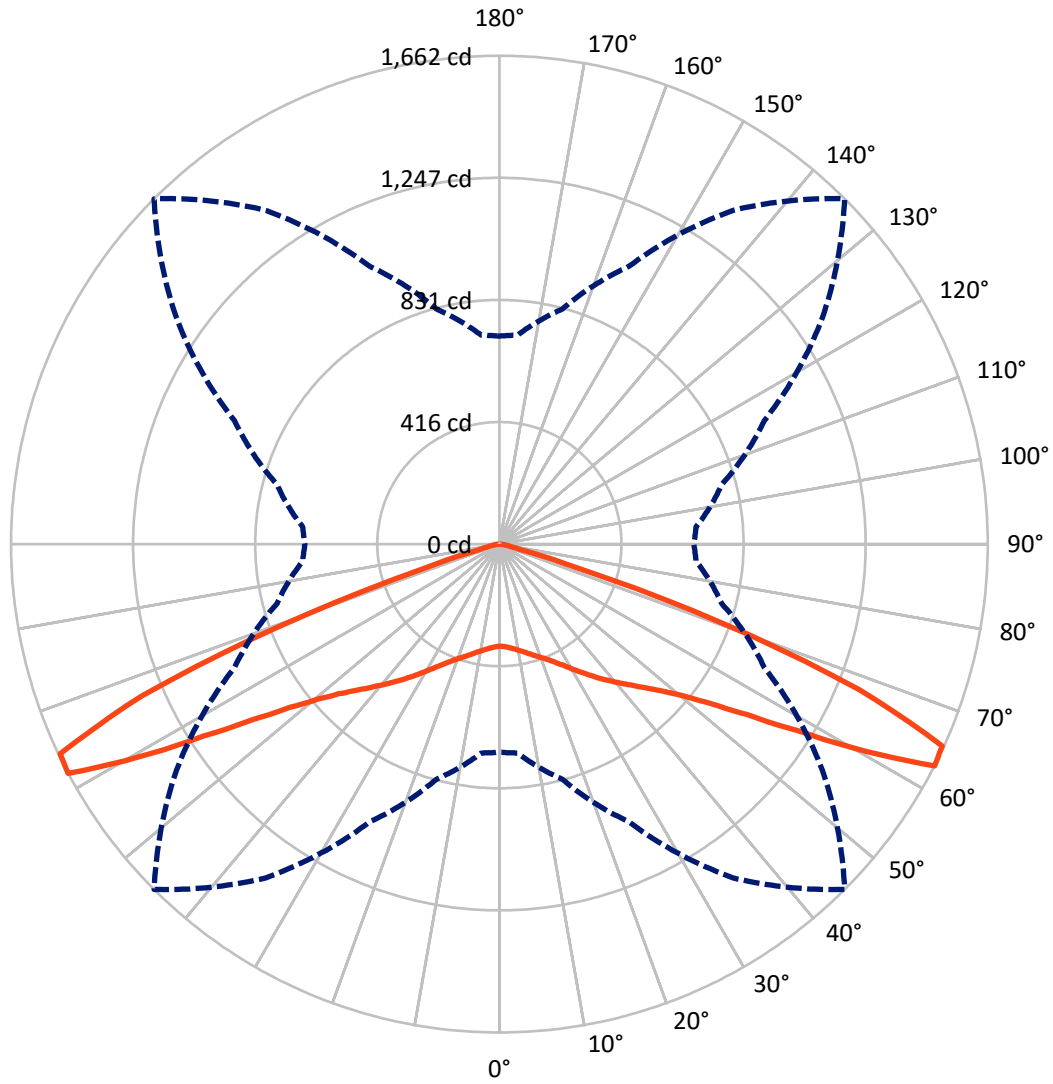
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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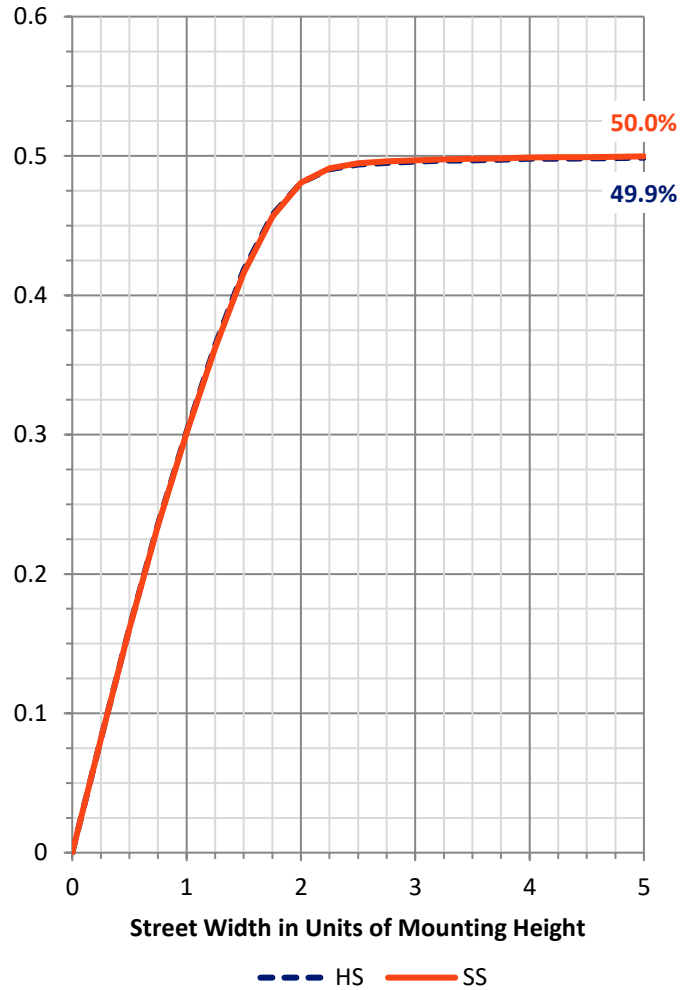
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1487.9	0.0	1487.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1487.9	0.0	1487.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2975.8	0.0	2975.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.1	1.1
10°-20°	109.8	3.7
20°-30°	207.8	7.0
30°-40°	349.8	11.8
40°-50°	558.8	18.8
50°-60°	900.8	30.3
60°-70°	735.0	24.7
70°-80°	71.4	2.4
80°-90°	8.3	0.3
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°	2975.8	100.0
0°-180°	2975.8	100.0

**Coefficient of Utilization**



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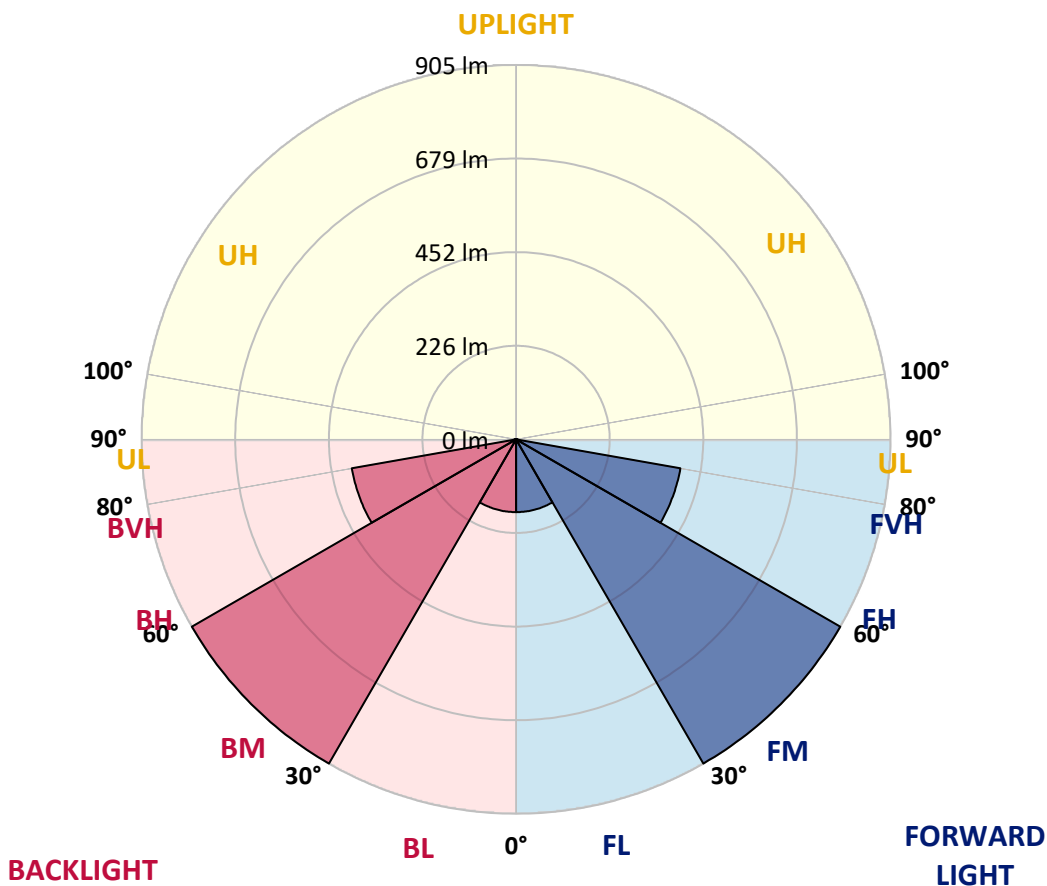
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.9	5.9			
FM (30°-60°)	904.7	30.4			
FH (60°-80°)	403.2	13.5			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	175.9	5.9	B1/500		
BM (30°-60°)	904.7	30.4	B1/1000		
BH (60°-80°)	403.2	13.5	B1/500		G0/660
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2	347.2
2.5°	346.8	346.8	347.6	348.2	347.8	349.4	349.2	348.8	348.6	348.0	349.8
5°	351.5	351.5	352.1	352.7	351.7	353.7	352.9	352.5	352.3	351.5	353.1
7.5°	356.8	357.4	357.6	358.6	358.0	360.2	359.6	358.8	358.4	357.4	358.8
10°	362.7	363.1	363.3	365.1	365.3	368.0	367.4	366.4	365.5	364.5	366.6
12.5°	370.6	370.8	371.5	373.7	374.3	376.4	376.1	374.7	373.7	372.3	374.5
15°	380.8	381.0	382.1	384.3	385.3	387.8	387.0	384.7	383.3	381.7	383.5
17.5°	391.5	392.3	393.3	395.5	397.0	399.8	398.8	396.4	395.1	393.5	394.7
20°	405.1	405.3	405.9	408.4	409.4	412.7	412.9	410.4	409.8	408.2	410.0
22.5°	420.2	420.4	421.0	423.7	425.5	427.6	428.8	427.4	426.4	424.3	426.6
25°	437.0	439.0	439.6	442.9	444.9	446.2	447.6	447.0	445.5	443.1	444.1
27.5°	460.4	460.8	461.9	465.5	466.8	468.0	469.4	469.6	467.6	464.7	466.2
30°	487.2	487.0	489.2	492.1	493.1	494.1	496.2	497.4	494.7	491.7	493.1
32.5°	514.5	517.0	519.8	522.5	521.9	522.3	525.5	527.8	524.1	518.6	519.8
35°	545.3	547.0	550.7	554.5	553.7	553.1	555.1	557.4	552.3	545.1	547.0
37.5°	577.0	579.4	584.9	589.6	588.4	585.6	587.8	590.2	585.3	577.2	576.4
40°	612.3	616.2	624.1	628.0	624.7	619.2	623.1	629.0	624.1	614.7	612.5
42.5°	653.7	658.4	666.4	672.3	665.1	656.2	662.7	671.3	670.0	657.6	653.7
45°	704.9	708.0	717.8	720.7	710.0	697.6	709.4	722.5	719.4	706.0	700.9
47.5°	760.7	765.4	773.9	779.2	762.1	746.6	763.1	780.7	777.4	764.7	758.8
50°	831.7	837.8	849.0	853.5	829.9	812.1	833.3	855.6	849.2	832.3	824.5
52.5°	909.0	913.9	933.1	942.1	919.9	900.7	919.2	941.1	927.6	905.2	894.8
55°	977.2	982.1	1010.3	1040.1	1039.1	1025.8	1035.2	1035.6	999.0	961.9	950.9
57.5°	991.9	996.8	1050.5	1128.4	1183.6	1198.9	1171.3	1113.3	1021.3	956.2	943.7
60°	913.5	919.0	1004.4	1146.8	1328.1	1430.3	1303.4	1111.7	952.5	864.3	852.5
62.5°	707.8	713.7	828.4	1042.3	1386.4	1662.0	1341.7	994.8	783.5	671.9	661.5
65°	338.0	338.0	483.7	747.6	1270.1	1656.4	1230.7	736.0	471.7	362.3	353.3
67.5°	83.7	84.1	124.5	291.0	863.9	1321.9	878.0	353.3	166.1	117.6	114.5
70°	52.2	52.0	57.8	78.8	302.3	802.3	359.0	106.5	67.6	59.6	59.2
72.5°	40.6	40.6	43.5	50.4	79.2	273.3	104.7	59.2	49.0	44.1	44.1
75°	32.0	32.0	34.1	37.8	46.7	70.4	55.7	43.9	38.0	34.7	34.3
77.5°	23.9	24.3	25.9	28.4	31.8	39.6	35.3	33.1	29.6	27.1	26.3
80°	15.5	16.1	18.2	19.6	20.8	26.1	23.1	24.1	22.5	19.6	19.2
82.5°	8.4	8.6	11.0	11.4	11.8	14.3	14.7	15.3	15.9	12.4	11.6
85°	3.1	3.1	3.7	4.3	4.7	5.1	6.9	8.6	9.0	7.1	6.9
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.2	2.2	3.7	2.9	2.9
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)