

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: P629552

Luminaire Tested: GWS-SA1B-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-830-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2404.5 lumens  
Efficiency: N/A  
Efficacy: 96.2 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

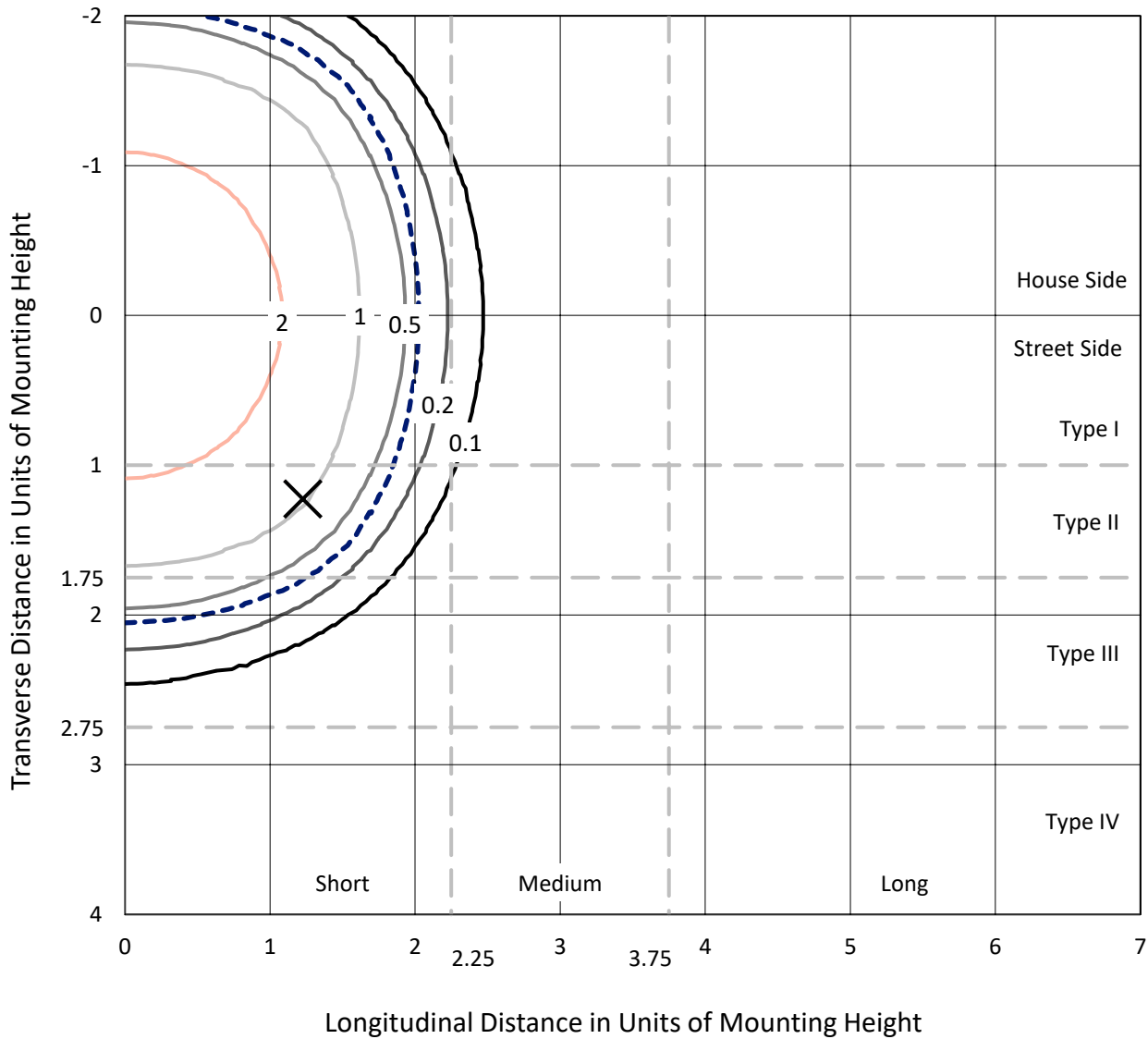
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

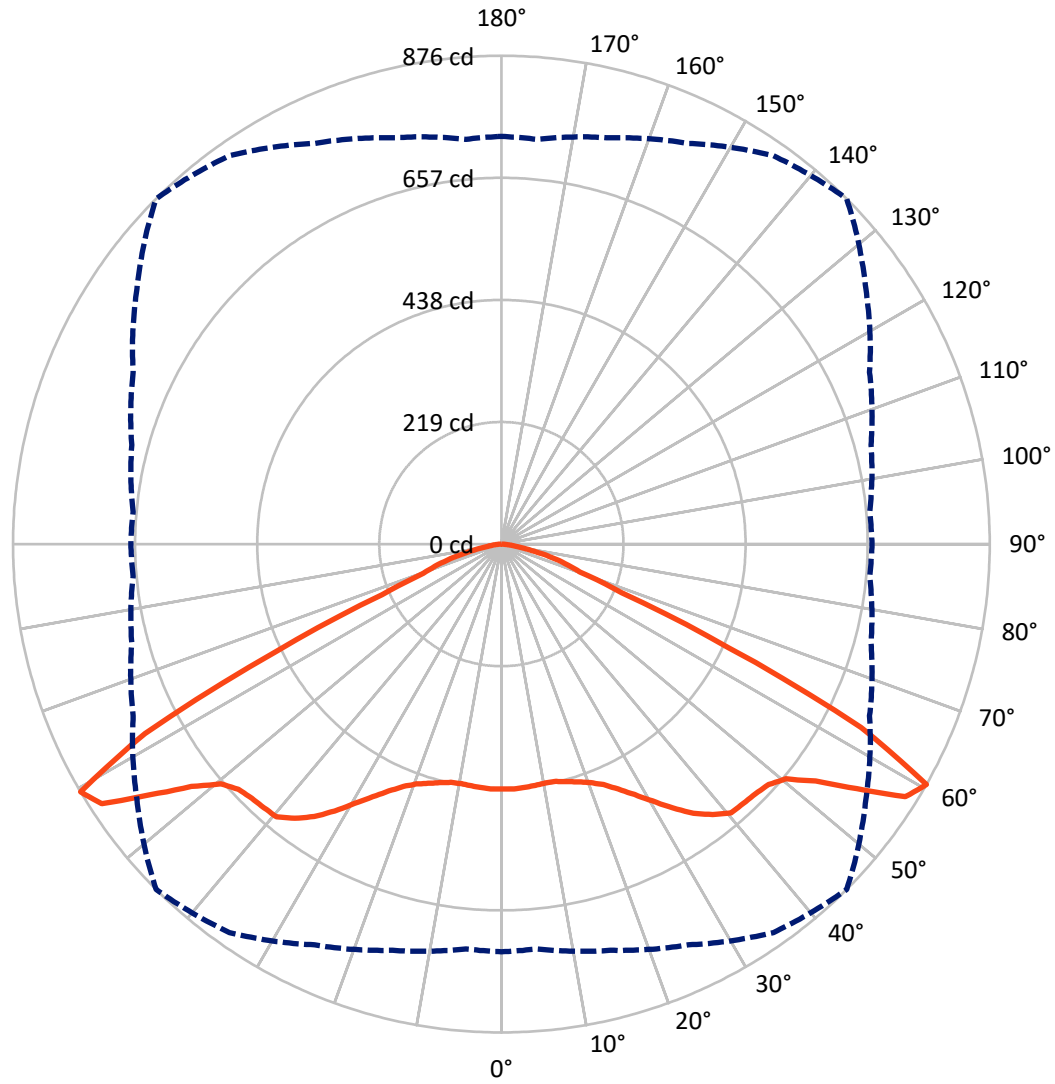
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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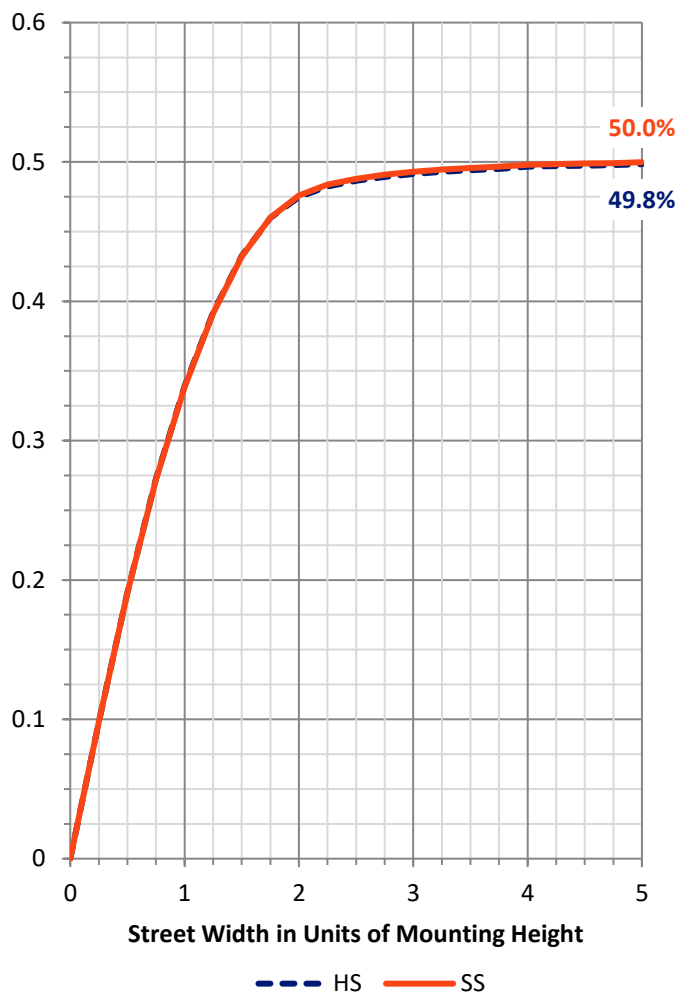
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1202.2	0.0	1202.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1202.2	0.0	1202.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2404.5	0.0	2404.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.7	1.7
10°-20°	125.3	5.2
20°-30°	221.8	9.2
30°-40°	357.0	14.8
40°-50°	490.7	20.4
50°-60°	654.0	27.2
60°-70°	407.6	17.0
70°-80°	93.7	3.9
80°-90°	12.7	0.5
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°	2404.5	100.0
0°-180°	2404.5	100.0

**Coefficient of Utilization**



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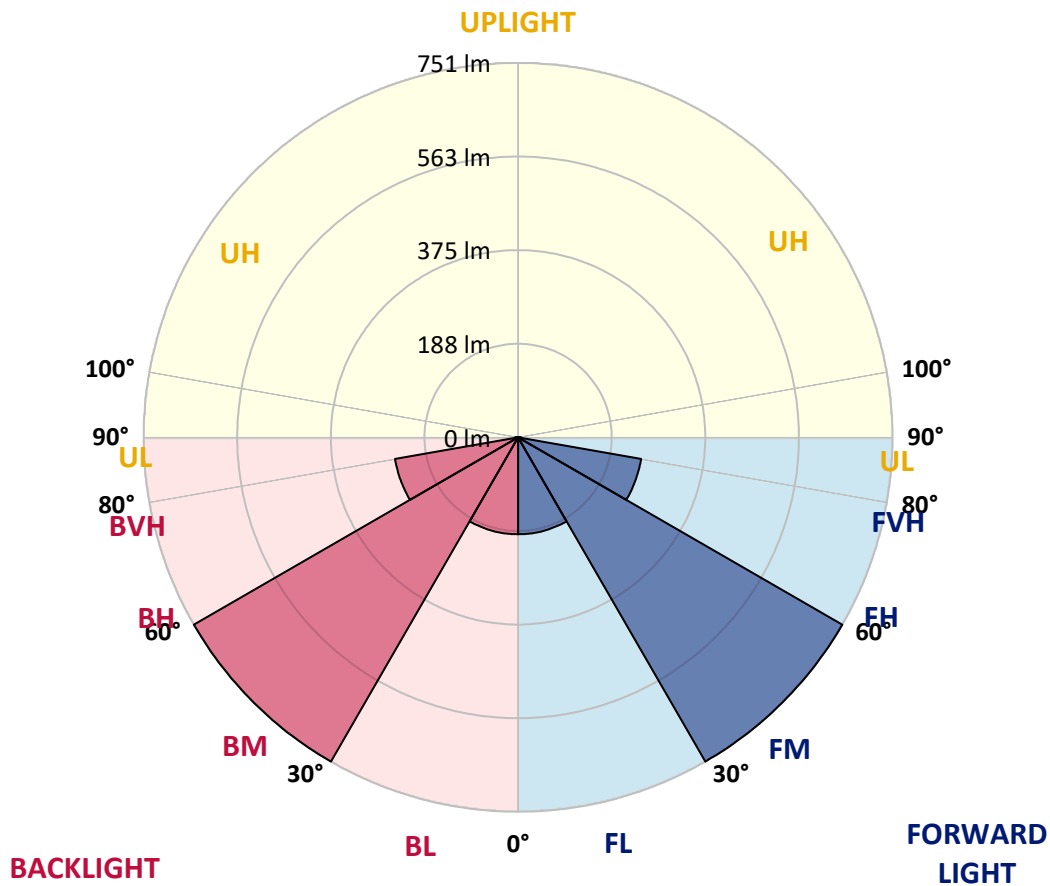
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.4	8.1			
FM (30°-60°)	750.9	31.2			
FH (60°-80°)	250.6	10.4			G0/660
FVH (80°-90°)	6.4	0.3			G0/10
BL (0°-30°)	194.4	8.1	B1/500		
BM (30°-60°)	750.9	31.2	B1/1000		
BH (60°-80°)	250.6	10.4	B1/500		G0/660
BVH (80°-90°)	6.4	0.3			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°	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4
2.5°	436.4	436.8	437.6	438.2	439.0	439.8	440.2	439.4	439.0	437.4	439.2
5°	436.8	437.2	437.8	437.8	438.0	438.6	438.6	437.6	436.6	434.7	436.8
7.5°	436.2	436.6	436.8	436.6	436.8	437.0	436.6	435.3	434.3	432.7	434.3
10°	435.1	435.5	435.9	435.5	435.1	435.7	435.7	434.9	434.3	432.7	434.5
12.5°	437.4	438.0	438.2	437.2	436.8	437.0	437.0	436.2	436.2	434.7	436.8
15°	442.7	443.1	442.5	441.3	441.5	442.1	440.6	438.6	438.2	437.6	439.2
17.5°	446.8	447.2	446.6	445.7	447.2	448.6	446.0	442.1	440.8	440.4	442.3
20°	451.3	451.9	451.1	452.1	454.9	456.6	453.3	448.0	445.5	444.9	447.2
22.5°	458.6	459.4	459.4	461.7	466.0	468.6	464.5	457.4	453.7	452.7	454.9
25°	470.2	470.8	471.5	476.0	482.9	486.6	480.0	470.2	465.1	463.5	464.7
27.5°	486.4	487.4	488.4	494.9	503.5	508.8	499.4	487.2	480.9	477.6	480.0
30°	505.5	507.0	509.4	516.8	528.8	534.7	522.7	507.8	500.6	497.2	500.4
32.5°	531.7	531.9	533.7	541.9	557.8	564.5	549.4	532.9	525.5	521.5	523.3
35°	562.7	562.9	560.0	568.4	585.6	593.1	575.3	558.6	552.5	551.3	556.0
37.5°	594.5	592.7	589.8	593.5	610.9	615.8	597.0	582.7	580.0	582.3	589.2
40°	617.2	614.1	608.4	611.1	628.6	634.3	614.3	600.9	600.0	605.6	613.9
42.5°	631.9	628.6	621.9	621.9	633.9	636.4	620.9	613.7	615.6	621.9	629.8
45°	639.0	637.2	633.3	631.3	638.0	639.0	627.2	624.3	627.8	630.9	637.0
47.5°	644.5	644.5	643.3	641.3	644.3	644.9	636.2	635.4	639.8	639.8	643.9
50°	654.3	655.4	657.0	656.6	659.8	661.9	655.4	654.1	656.0	650.0	652.1
52.5°	680.0	682.7	687.4	691.1	699.4	705.8	694.1	684.3	674.7	661.7	662.1
55°	726.2	727.4	736.6	747.4	761.5	774.3	750.5	720.1	699.2	683.9	684.1
57.5°	765.2	767.0	780.5	803.1	834.8	854.8	801.9	751.1	721.7	702.9	703.5
60°	731.5	729.0	754.5	793.3	850.7	876.2	798.2	728.8	686.6	663.3	664.9
62.5°	566.0	561.3	589.6	630.2	699.0	724.5	652.7	586.2	546.2	528.0	525.3
65°	344.5	340.2	360.6	385.5	432.1	448.2	415.3	380.0	345.1	334.1	331.0
67.5°	187.6	187.0	192.5	204.7	225.1	232.7	226.3	209.6	200.6	192.9	192.9
70°	148.8	147.6	146.5	146.7	148.6	149.6	149.8	149.0	150.0	150.2	149.4
72.5°	123.3	122.9	120.8	121.0	120.2	119.8	121.2	122.0	123.7	123.9	123.9
75°	89.4	88.4	89.4	89.6	88.8	88.8	89.8	89.6	90.4	90.8	88.6
77.5°	50.8	50.8	52.2	53.9	55.1	55.1	56.1	56.1	57.1	56.9	56.5
80°	28.0	28.0	28.8	29.8	31.0	32.2	33.3	33.5	34.1	33.9	33.3
82.5°	15.9	16.1	16.5	17.1	18.4	19.4	20.4	20.6	21.2	21.2	20.6
85°	7.6	7.3	7.6	8.0	8.6	9.4	10.4	11.0	11.4	11.4	11.0
87.5°	1.4	1.6	1.4	1.6	1.8	2.4	2.9	3.3	3.9	4.1	3.7
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)