

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: P641922

Luminaire Tested: GWS-SA6B-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-830-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

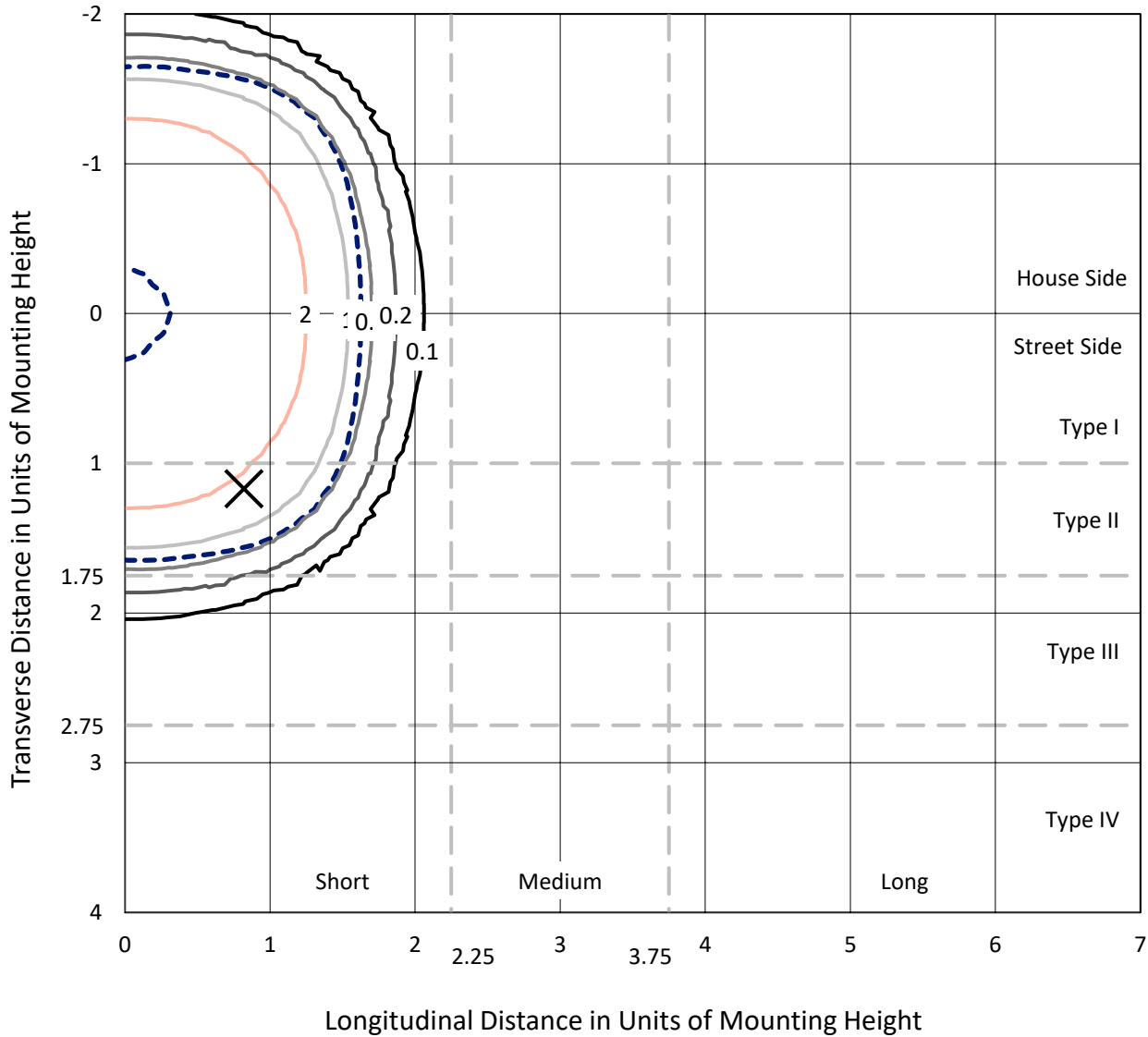
Lumens per Lamp: N/A  
Luminaire Lumens: 15247.6 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

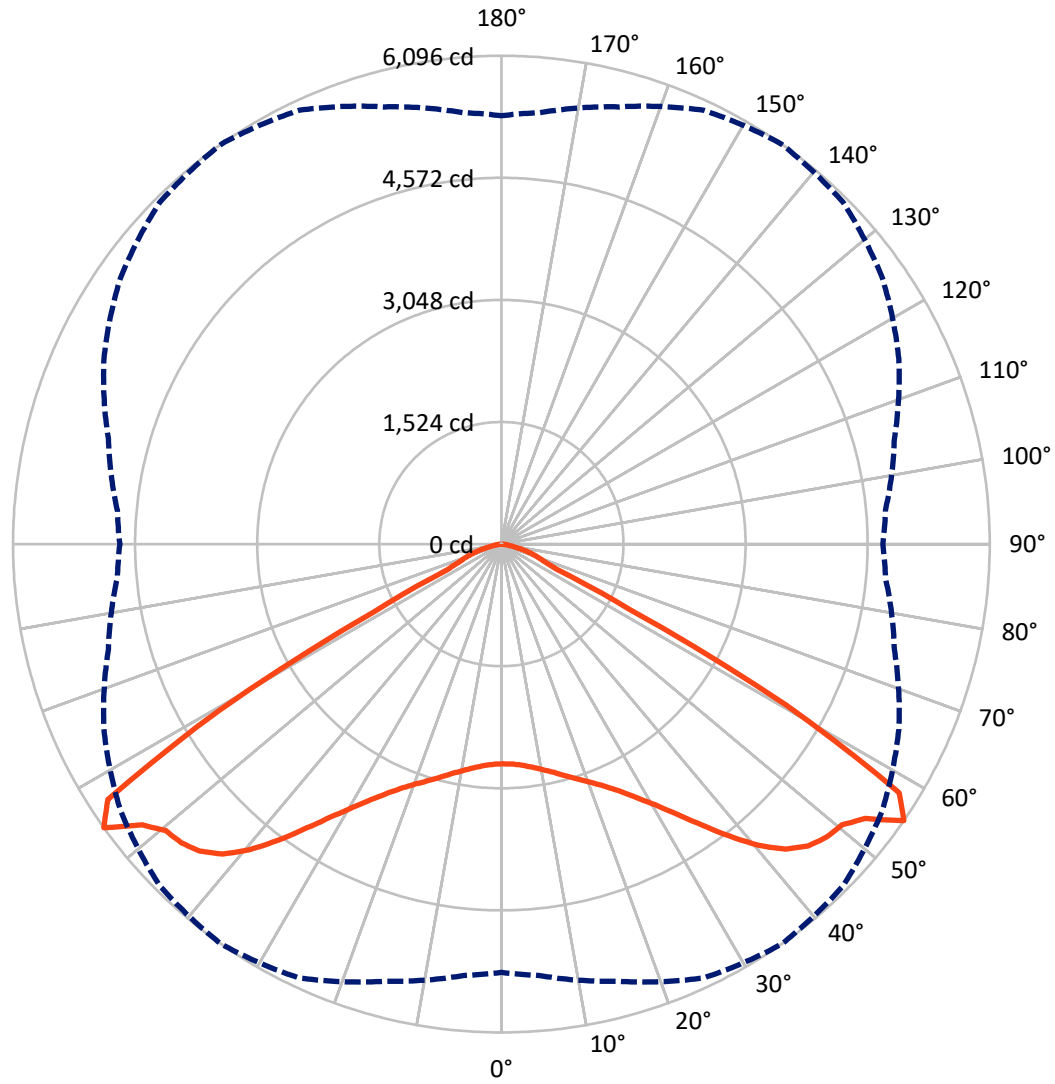
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 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 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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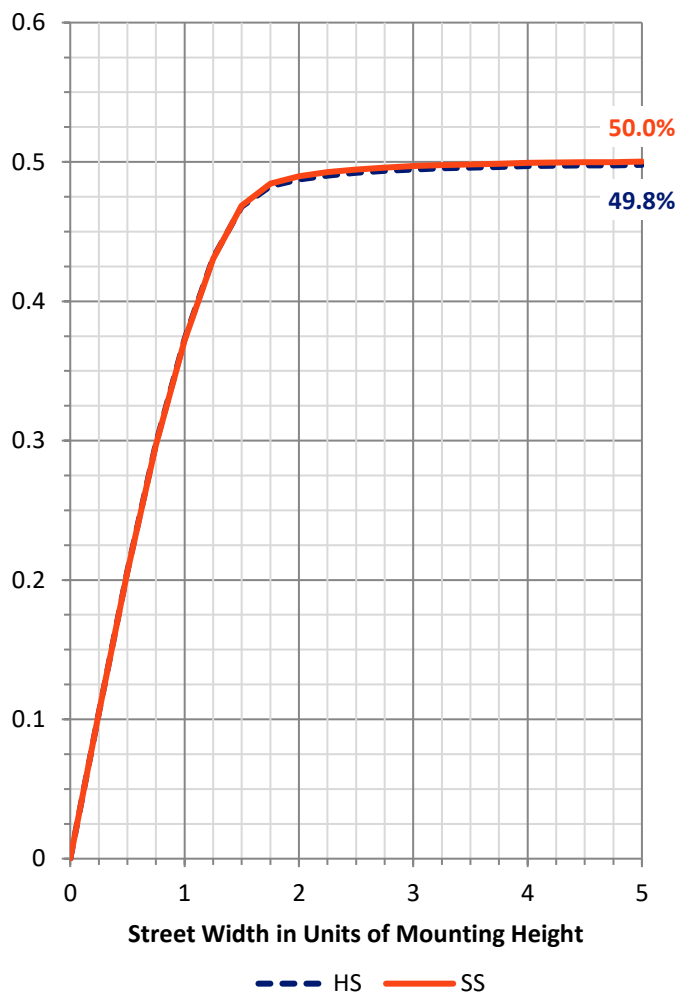
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7623.8	0.0	7623.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7623.8	0.0	7623.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15247.6	0.0	15247.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.6	1.8
10°-20°	851.8	5.6
20°-30°	1576.6	10.3
30°-40°	2637.3	17.3
40°-50°	4018.8	26.4
50°-60°	4501.9	29.5
60°-70°	1065.2	7.0
70°-80°	287.2	1.9
80°-90°	41.3	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°	15247.6	100.0
0°-180°	15247.6	100.0

**Coefficient of Utilization**



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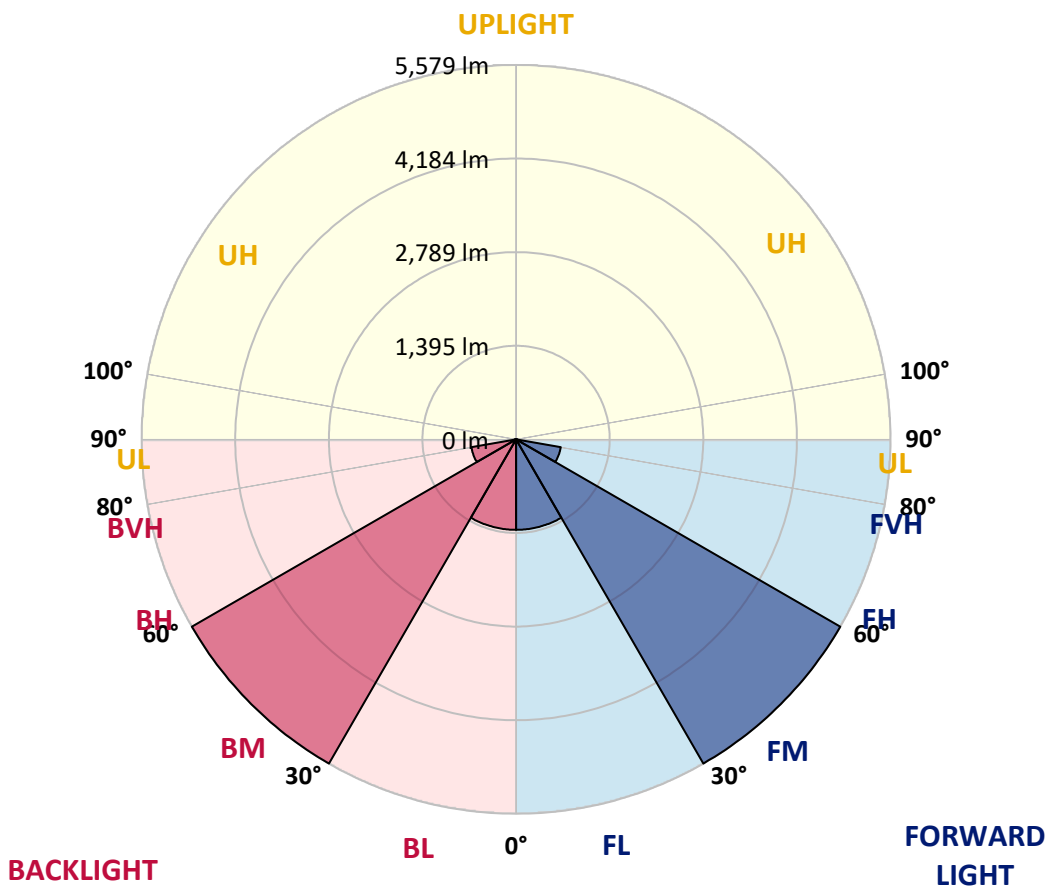
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1348.0	8.8			
FM (30°-60°)	5579.0	36.6			
FH (60°-80°)	676.2	4.4			G1/1800
FVH (80°-90°)	20.7	0.1			G1/100
BL (0°-30°)	1348.0	8.8	B3/2500		
BM (30°-60°)	5579.0	36.6	B4/8500		
BH (60°-80°)	676.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	20.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1	2743.1
2.5°	2737.1	2737.1	2741.9	2747.9	2749.1	2761.2	2758.8	2753.9	2751.5	2746.7	2757.6
5°	2767.2	2768.4	2772.0	2775.6	2773.2	2782.9	2779.3	2773.2	2769.6	2763.6	2774.4
7.5°	2807.0	2807.0	2810.6	2815.4	2813.0	2827.5	2820.3	2811.8	2805.8	2798.5	2808.2
10°	2843.2	2845.6	2849.2	2858.8	2863.7	2879.3	2874.5	2862.5	2852.8	2844.4	2855.2
12.5°	2897.4	2899.8	2903.4	2916.7	2925.2	2940.8	2933.6	2916.7	2902.2	2890.2	2902.2
15°	2967.4	2964.9	2974.6	2991.5	3002.3	3016.8	3008.3	2979.4	2960.1	2944.4	2956.5
17.5°	3038.5	3037.3	3046.9	3068.6	3084.3	3103.6	3089.1	3055.4	3034.9	3015.6	3027.6
20°	3115.7	3119.3	3128.9	3149.4	3172.3	3197.7	3185.6	3149.4	3126.5	3104.8	3114.5
22.5°	3210.9	3212.1	3223.0	3249.5	3279.6	3303.8	3296.5	3251.9	3223.0	3200.1	3212.1
25°	3325.5	3324.3	3338.7	3370.1	3412.3	3436.4	3420.7	3371.3	3339.9	3313.4	3323.1
27.5°	3456.9	3455.7	3477.4	3518.4	3578.7	3612.4	3579.9	3518.4	3475.0	3437.6	3446.0
30°	3622.1	3618.5	3642.6	3698.0	3776.4	3833.1	3784.9	3699.2	3642.6	3602.8	3611.2
32.5°	3805.4	3810.2	3840.3	3915.1	4013.9	4087.5	4015.2	3919.9	3843.9	3786.1	3795.7
35°	4006.7	4006.7	4068.2	4161.0	4302.1	4399.8	4287.7	4150.2	4048.9	3969.3	3971.7
37.5°	4231.0	4233.4	4314.2	4442.0	4626.5	4741.0	4589.1	4419.1	4296.1	4210.5	4205.7
40°	4504.7	4511.9	4595.1	4737.4	4944.8	5049.7	4886.9	4720.5	4595.1	4493.8	4484.2
42.5°	4813.4	4815.8	4903.8	5031.6	5206.4	5269.1	5141.3	5005.1	4902.6	4810.9	4801.3
45°	5107.6	5101.5	5177.5	5272.8	5374.0	5380.1	5308.9	5253.5	5164.2	5085.9	5071.4
47.5°	5336.7	5331.8	5400.6	5452.4	5464.5	5405.4	5428.3	5436.7	5333.0	5226.9	5199.2
50°	5476.5	5486.2	5551.3	5580.2	5509.1	5412.6	5499.4	5477.7	5329.4	5190.8	5146.1
52.5°	5560.9	5575.4	5688.7	5762.3	5688.7	5597.1	5609.2	5481.3	5267.9	5084.7	5026.8
55°	5347.5	5405.4	5650.2	5975.7	6096.3	6032.4	5803.3	5474.1	5078.6	4812.2	4762.7
57.5°	3963.3	4054.9	4417.9	5123.2	5856.3	6089.0	5419.9	4589.1	3989.8	3647.4	3618.5
60°	2023.3	2125.7	2416.3	3141.0	4083.9	4411.8	3775.2	2938.4	2335.5	2058.2	2026.9
62.5°	825.9	842.8	938.1	1217.8	1805.0	2082.3	1829.1	1284.1	964.6	888.6	889.8
65°	649.9	653.5	648.7	665.6	756.0	839.2	775.3	681.2	664.4	672.8	666.8
67.5°	566.7	567.9	564.3	564.3	567.9	564.3	571.5	575.1	577.6	587.2	581.2
70°	473.9	475.1	475.1	477.5	476.3	470.2	481.1	485.9	487.1	493.2	489.5
72.5°	366.5	370.2	372.6	373.8	372.6	369.0	375.0	383.4	382.2	388.3	382.2
75°	248.4	253.2	255.6	260.4	259.2	259.2	266.5	270.1	266.5	271.3	266.5
77.5°	141.1	144.7	151.9	156.7	161.6	165.2	170.0	172.4	171.2	173.6	171.2
80°	82.0	83.2	89.2	91.6	97.7	103.7	108.5	110.9	112.1	113.3	112.1
82.5°	47.0	48.2	50.6	53.1	57.9	62.7	67.5	71.1	71.1	72.3	71.1
85°	22.9	22.9	24.1	25.3	27.7	31.3	35.0	38.6	39.8	39.8	39.8
87.5°	3.6	3.6	4.8	4.8	6.0	7.2	9.6	12.1	13.3	13.3	13.3
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)