

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: P629052

Luminaire Tested: GWS-SA1A-830-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629052  
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-SA1A-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**

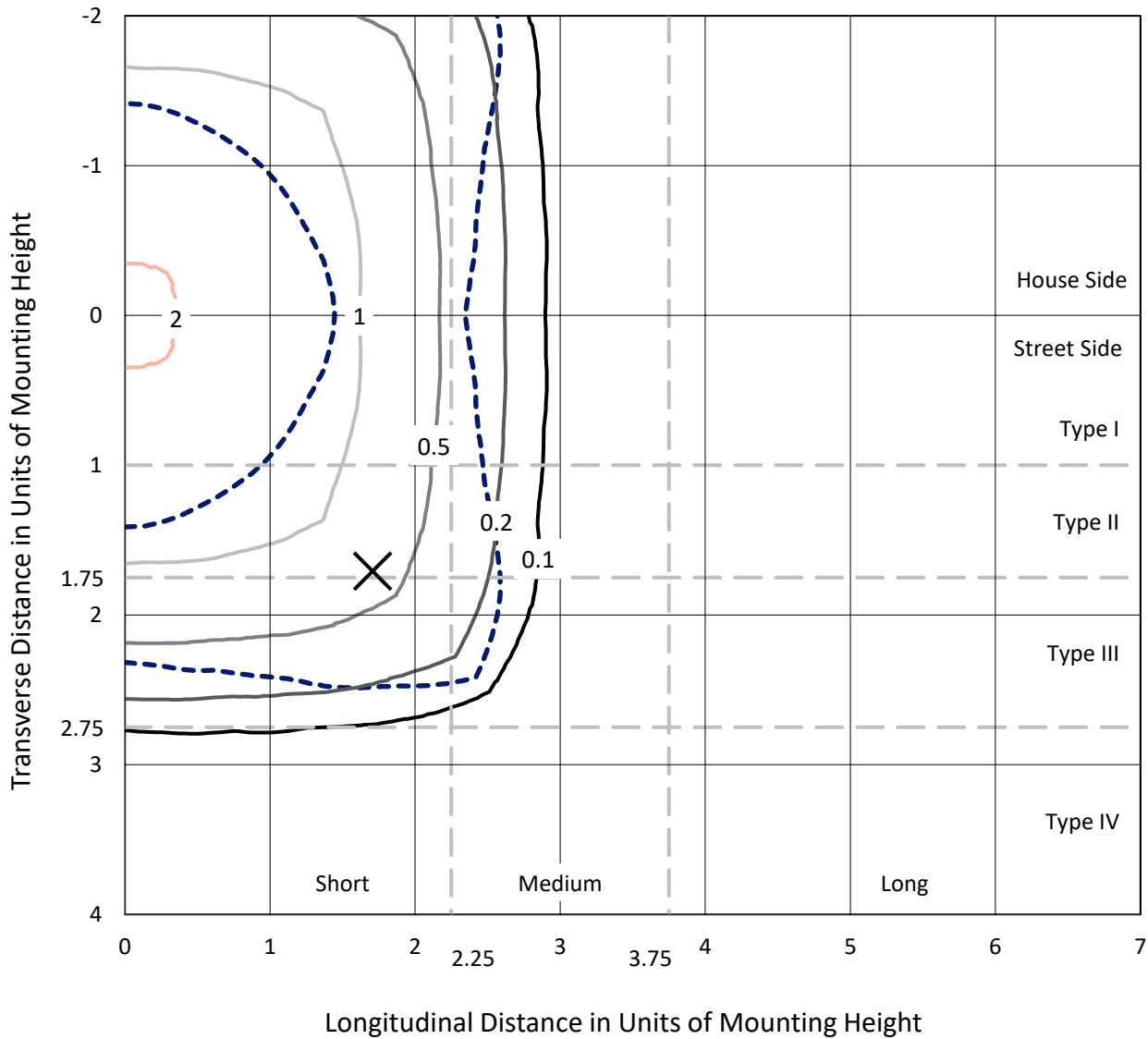
Lumens per Lamp: N/A  
Luminaire Lumens: 2339.5 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

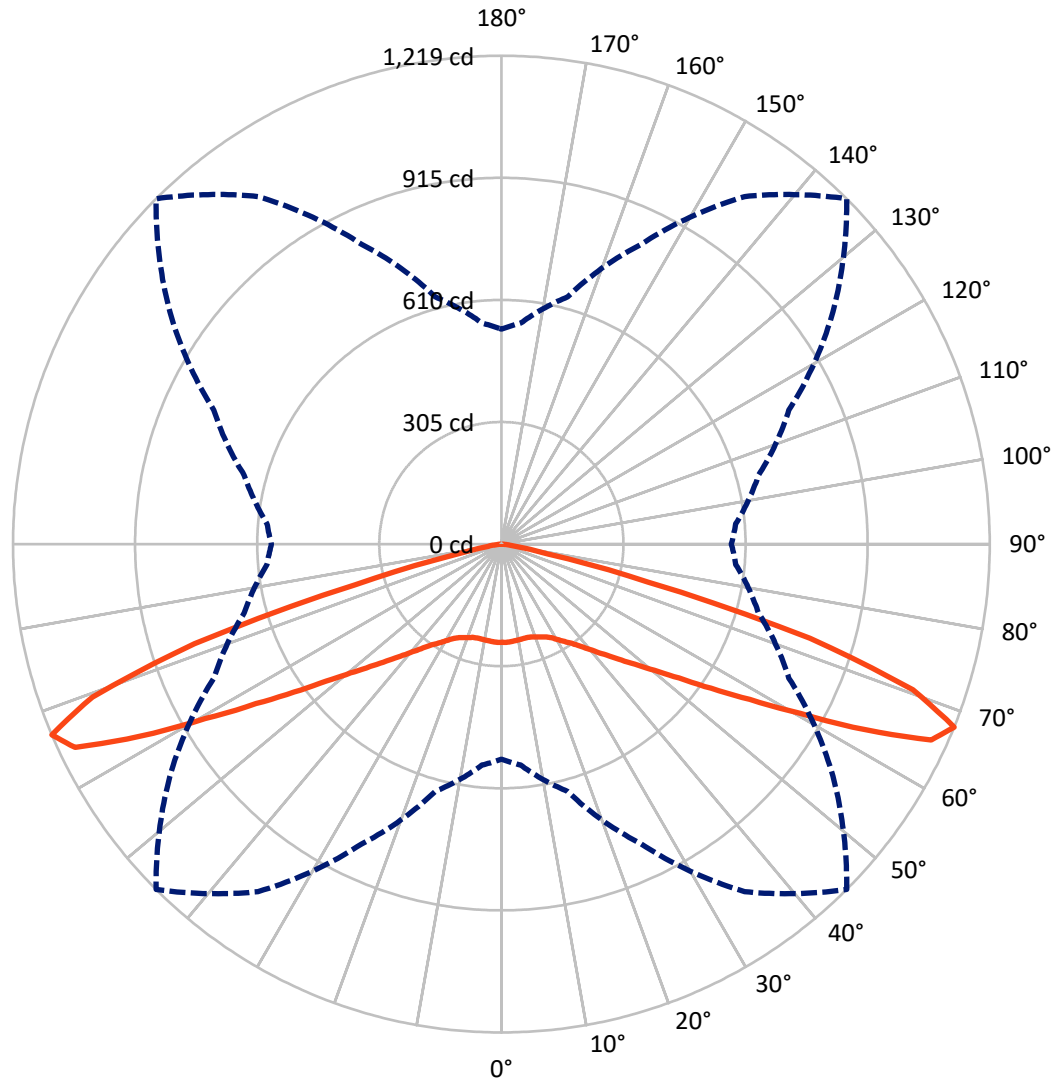
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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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CATALOG NUMBER: GWS-SA1A-830-U-5MQ-W

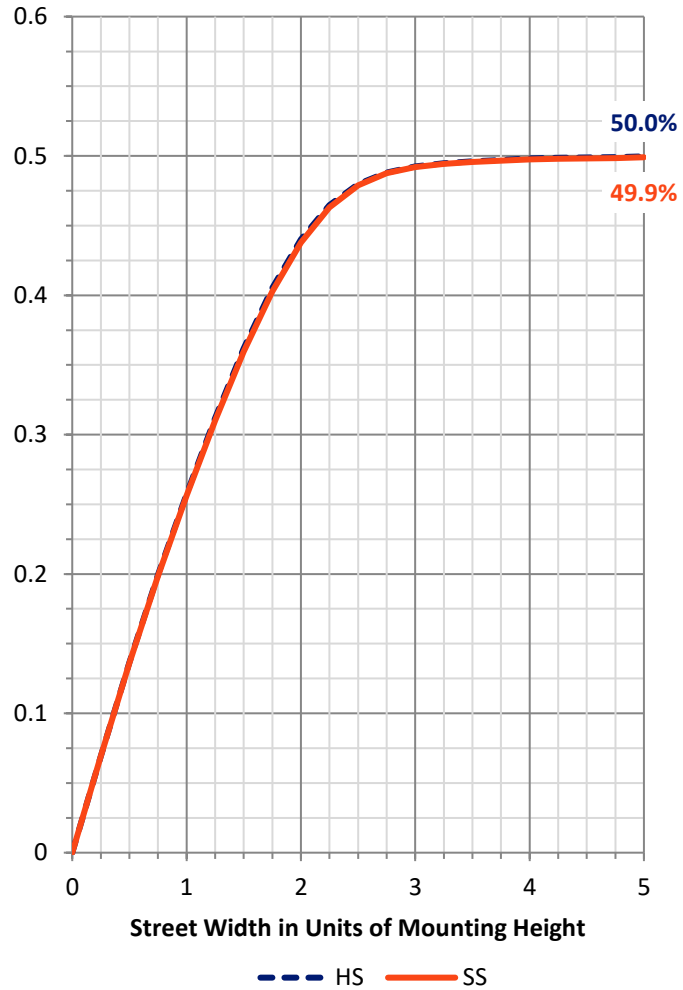
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1169.8	0.0	1169.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1169.8	0.0	1169.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2339.5	0.0	2339.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.2	1.0
10°-20°	68.1	2.9
20°-30°	117.5	5.0
30°-40°	191.0	8.2
40°-50°	321.6	13.7
50°-60°	569.9	24.4
60°-70°	814.6	34.8
70°-80°	223.6	9.6
80°-90°	10.0	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°	2339.5	100.0
0°-180°	2339.5	100.0

**Coefficient of Utilization**



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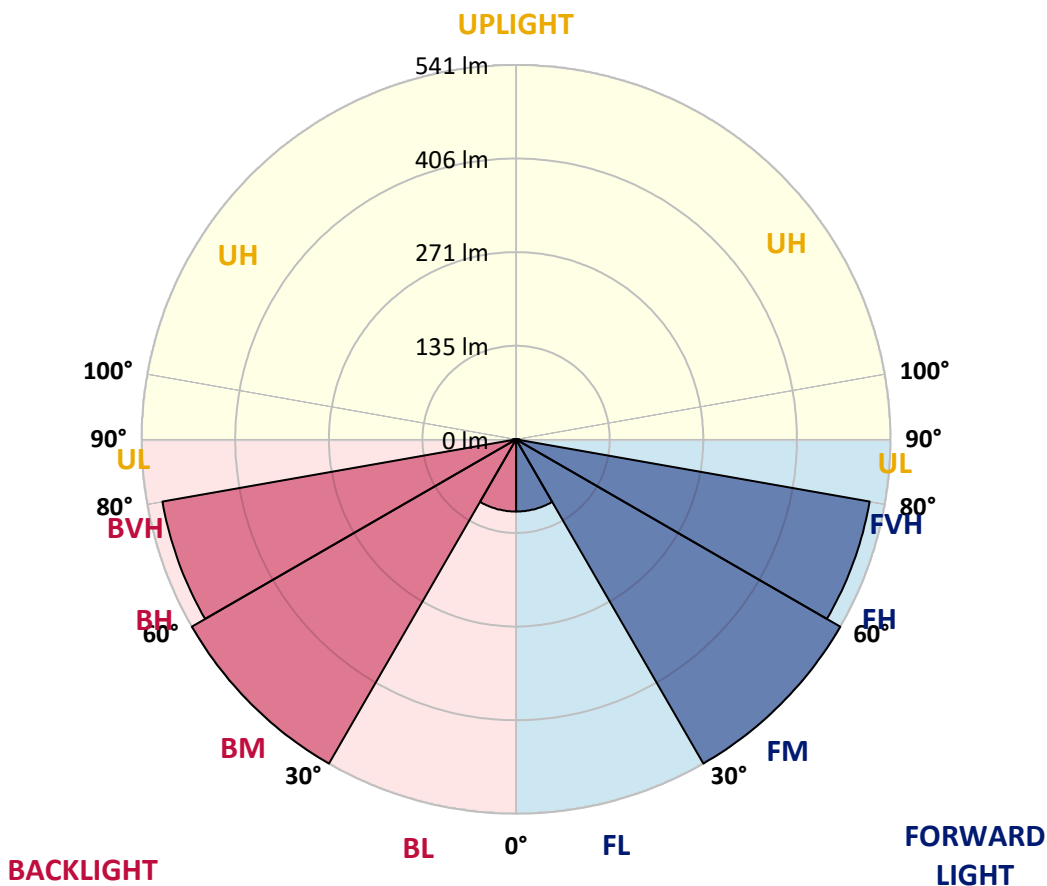
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.4	4.5			
FM (30°-60°)	541.3	23.1			
FH (60°-80°)	519.1	22.2			G0/660
FVH (80°-90°)	5.0	0.2			G0/10
BL (0°-30°)	104.4	4.5	B0/110		
BM (30°-60°)	541.3	23.1	B1/1000		
BH (60°-80°)	519.1	22.2	B2/1000		G0/660
BVH (80°-90°)	5.0	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°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	243.4	243.2	244.0	244.5	244.4	245.5	245.3	245.0	245.0	244.5	245.8
5°	243.4	243.2	243.9	244.0	243.7	244.7	244.4	244.0	244.0	243.4	244.5
7.5°	242.1	242.3	242.8	243.1	242.8	243.6	243.1	242.4	242.3	241.6	242.8
10°	239.7	239.8	240.3	241.1	241.3	242.8	241.9	240.8	240.3	239.7	240.8
12.5°	238.2	238.4	238.9	239.8	240.2	242.1	241.3	239.5	238.7	238.1	239.2
15°	237.9	238.1	238.7	239.7	240.2	242.1	241.3	239.2	238.1	237.2	238.2
17.5°	237.9	238.2	239.2	240.6	241.6	243.6	242.6	240.2	238.5	237.1	238.1
20°	238.1	238.5	240.0	242.1	244.5	247.3	246.0	242.8	240.5	238.7	239.4
22.5°	239.5	240.3	242.1	244.9	248.4	251.7	250.5	246.2	242.9	240.5	241.1
25°	244.5	244.9	247.1	250.7	254.1	256.8	255.7	251.7	247.6	244.7	245.5
27.5°	253.4	254.3	256.2	259.9	262.8	264.3	264.1	261.4	257.3	254.7	255.4
30°	264.1	264.9	267.5	271.7	274.7	276.3	275.8	273.7	270.0	266.4	267.0
32.5°	276.6	276.9	280.0	284.7	287.8	290.2	288.6	286.3	281.6	277.4	277.7
35°	292.5	293.0	296.2	300.6	303.0	304.9	304.6	302.3	297.3	292.8	293.9
37.5°	312.4	312.7	315.6	321.1	323.1	324.5	324.9	323.7	318.5	312.7	313.8
40°	337.2	337.3	340.6	345.4	347.5	348.5	348.7	348.8	343.5	339.1	338.8
42.5°	366.0	366.8	371.3	376.0	377.0	376.5	378.1	379.8	374.6	368.6	369.1
45°	400.5	401.0	407.1	412.3	410.5	408.9	412.0	415.2	410.5	402.8	400.5
47.5°	441.3	442.3	448.9	454.1	451.2	448.3	453.3	456.7	449.1	440.8	438.7
50°	487.5	488.1	497.5	504.0	500.6	495.2	501.5	505.1	494.9	484.7	480.2
52.5°	542.0	540.7	553.2	564.5	562.4	555.5	560.7	561.3	546.1	531.7	527.1
55°	608.6	607.3	619.8	632.2	637.4	635.6	633.2	629.3	606.8	591.4	587.2
57.5°	686.2	682.1	699.6	716.4	727.8	731.0	720.7	711.6	693.8	674.8	670.0
60°	758.2	758.1	785.8	814.9	846.0	859.0	832.7	808.1	768.1	733.6	726.6
62.5°	778.5	781.9	827.2	899.4	976.2	1022.0	952.9	871.4	794.2	742.2	733.0
65°	728.6	737.0	801.5	915.5	1067.0	1179.1	1023.0	872.9	765.2	700.4	690.7
67.5°	537.0	553.8	639.2	826.1	1059.3	1219.4	1010.5	792.1	664.6	587.5	574.1
70°	264.9	281.0	348.7	543.5	871.6	1090.0	874.3	596.9	448.9	374.7	362.4
72.5°	97.5	104.0	130.5	232.6	481.0	805.2	597.9	333.4	217.5	173.1	164.9
75°	47.8	48.9	53.0	78.1	177.5	378.9	281.0	127.9	80.0	69.6	67.4
77.5°	30.4	30.9	32.9	37.2	57.0	119.4	85.2	50.5	39.2	37.6	37.6
80°	17.0	17.5	20.1	23.2	26.7	41.0	30.6	30.3	25.7	22.5	22.0
82.5°	8.1	8.9	12.8	12.6	14.1	20.6	18.0	16.4	16.5	12.5	11.8
85°	3.7	3.7	5.0	6.0	6.3	7.0	8.3	9.4	9.2	6.3	6.8
87.5°	1.8	1.8	1.8	1.6	1.5	1.3	1.8	2.9	4.2	2.9	2.8
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)