

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: P629053

Luminaire Tested: GWS-SA1A-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629053  
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-SA1A-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

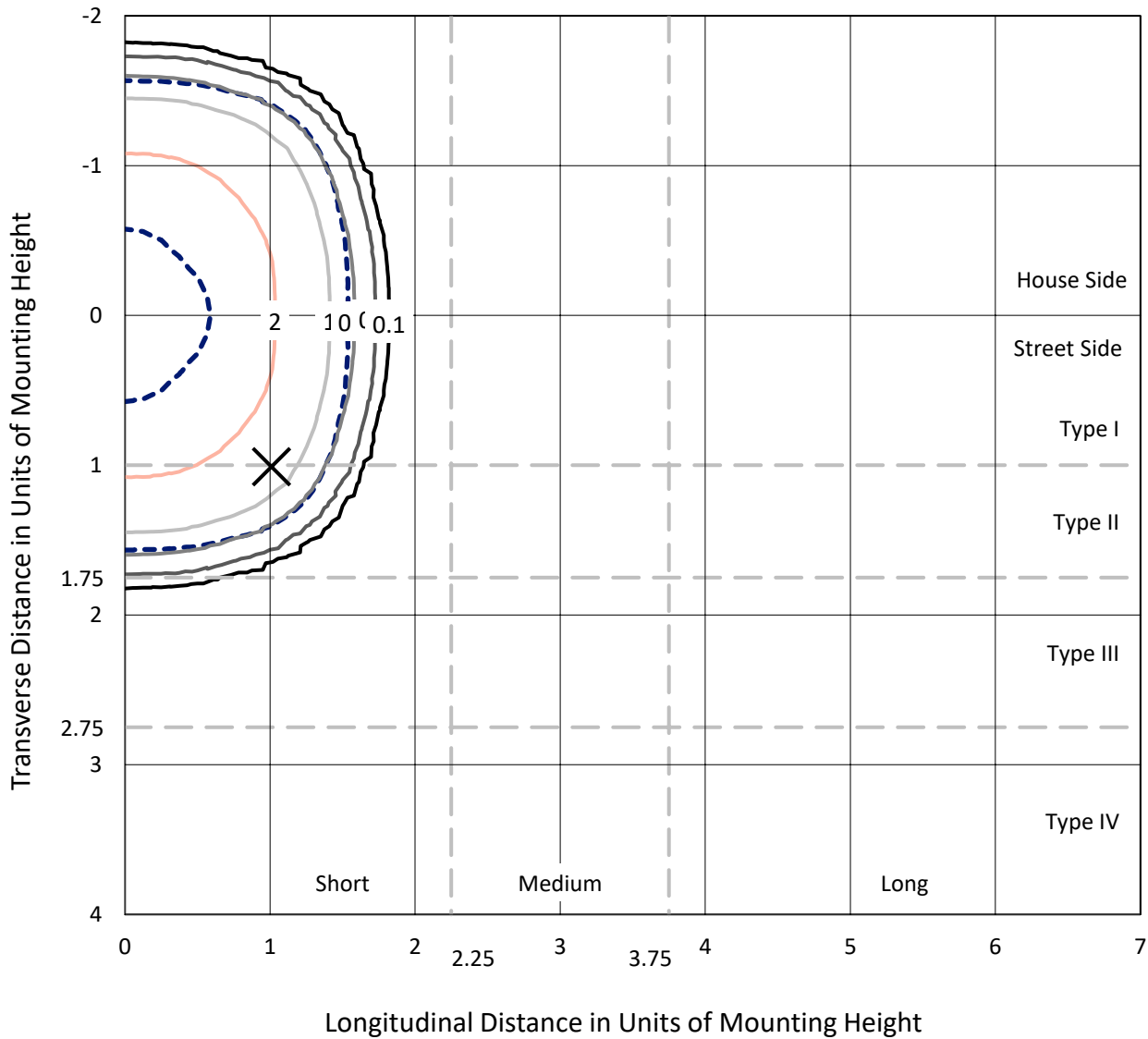
Lumens per Lamp: N/A  
Luminaire Lumens: 1589.7 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

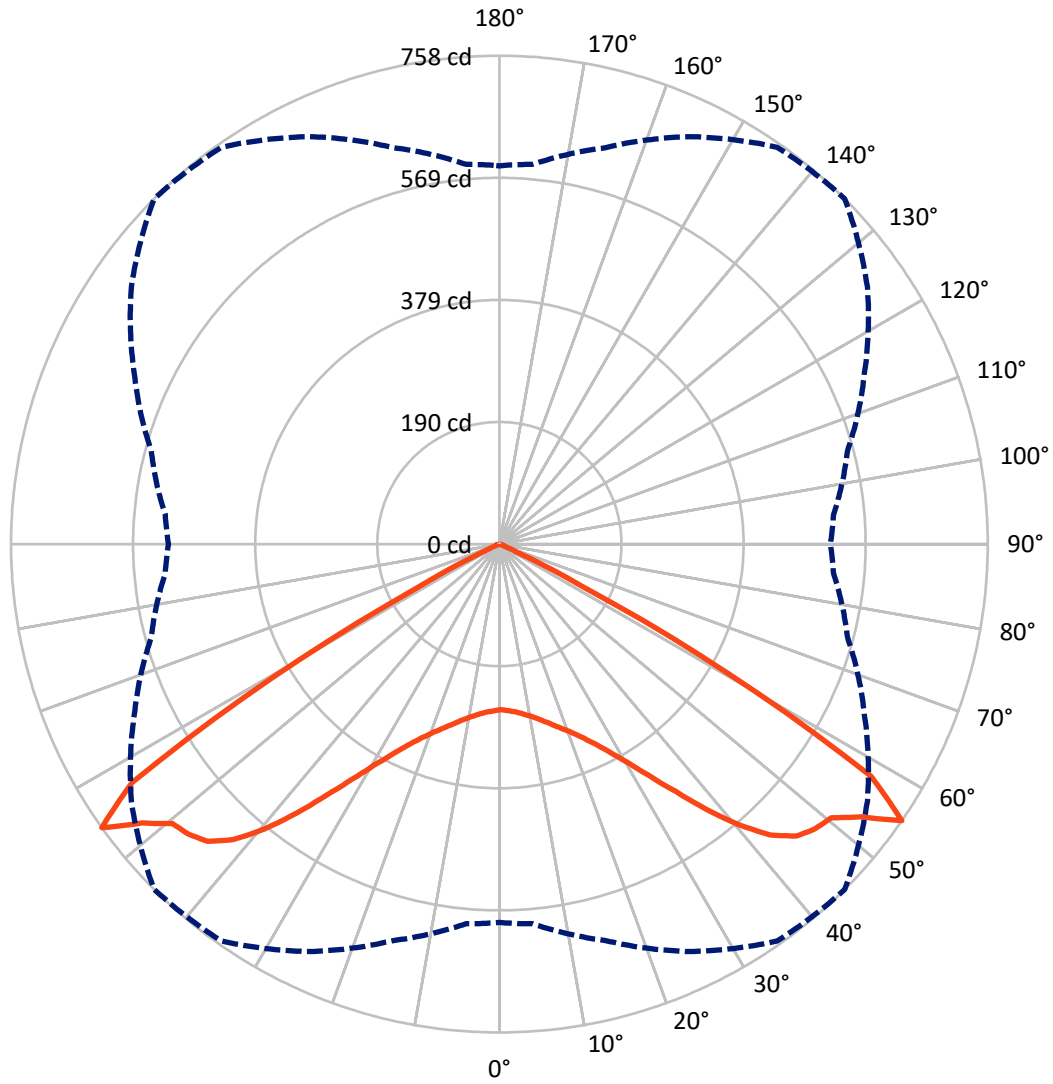
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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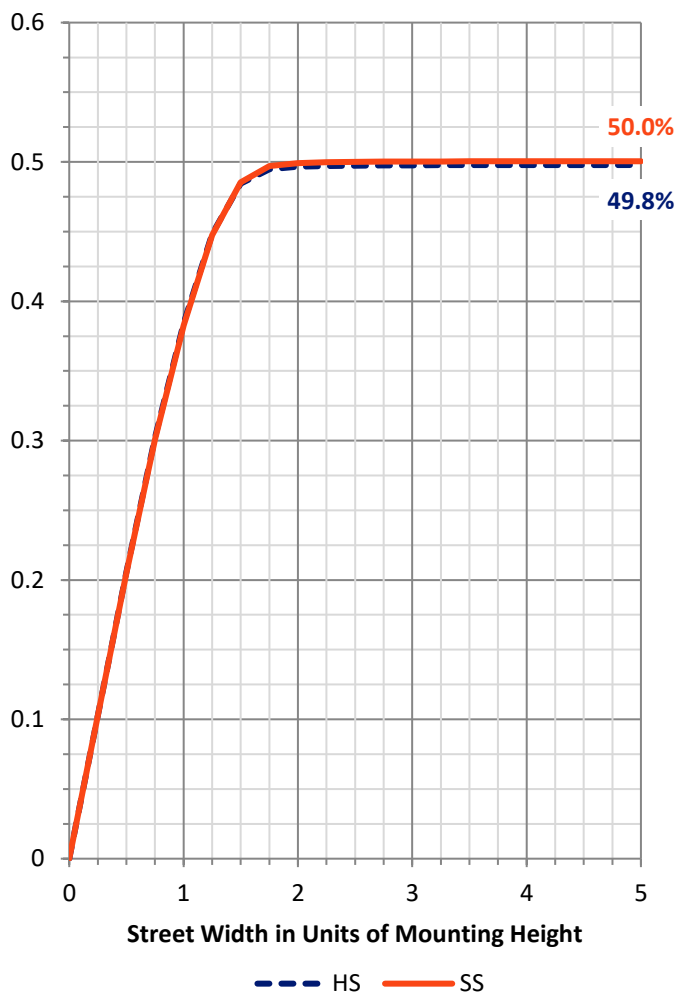
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	794.9	0.0	794.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	794.9	0.0	794.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1589.7	0.0	1589.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	1.6
10°-20°	81.6	5.1
20°-30°	158.1	9.9
30°-40°	283.2	17.8
40°-50°	474.8	29.9
50°-60°	508.3	32.0
60°-70°	55.9	3.5
70°-80°	2.5	0.2
80°-90°	0.1	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°	1589.7	100.0
0°-180°	1589.7	100.0

**Coefficient of Utilization**



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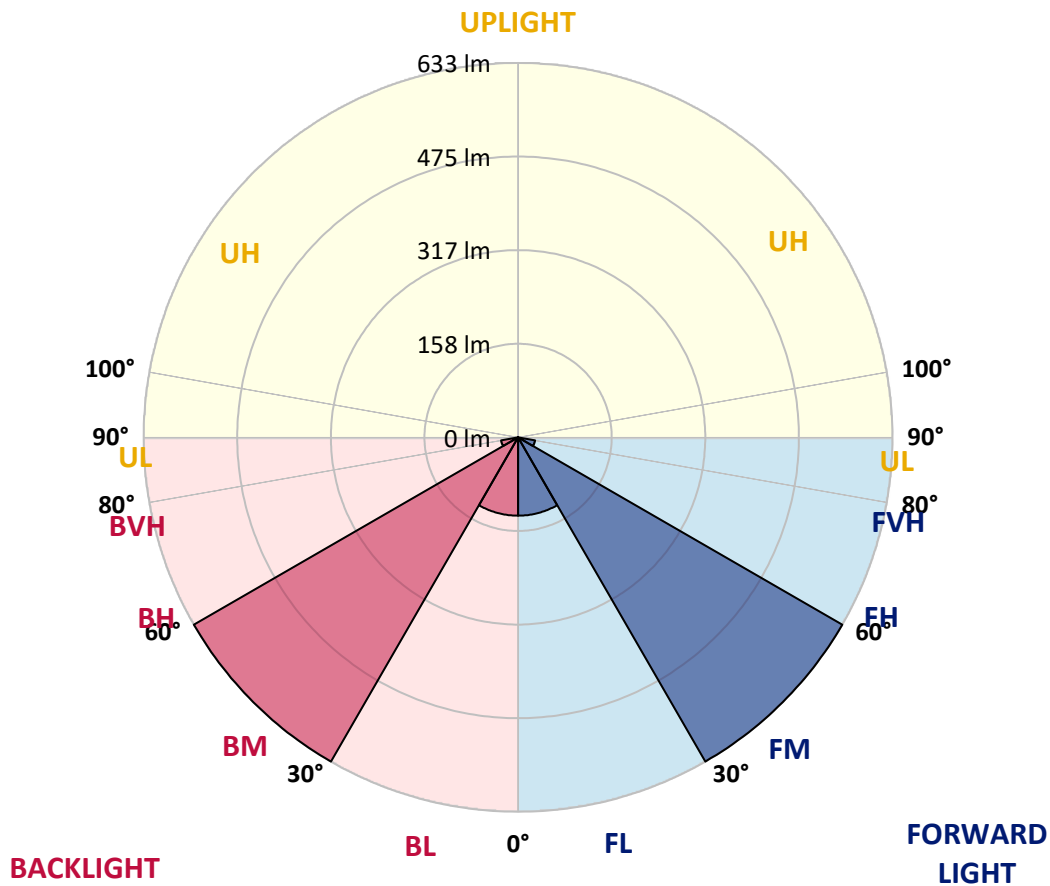
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.5	8.3			
FM (30°-60°)	633.2	39.8			
FH (60°-80°)	29.2	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	132.5	8.3	B1/500		
BM (30°-60°)	633.2	39.8	B1/1000		
BH (60°-80°)	29.2	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: 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°	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0	257.0
2.5°	256.5	256.5	257.2	257.7	257.7	259.0	258.5	258.0	258.0	257.3	258.6
5°	260.3	260.1	260.7	261.1	260.4	261.7	260.9	260.4	260.1	259.5	260.7
7.5°	264.3	264.5	264.6	265.3	265.0	266.3	265.6	264.6	264.3	263.3	264.6
10°	269.2	269.2	269.5	270.3	270.5	272.1	271.4	270.3	269.3	268.4	269.7
12.5°	275.3	275.5	276.0	277.1	277.8	279.5	278.6	276.3	274.8	273.7	275.2
15°	284.2	284.1	284.7	286.3	287.1	288.4	287.0	283.9	282.1	280.8	281.8
17.5°	293.9	293.9	294.3	295.9	297.0	299.0	297.2	293.5	291.8	290.1	291.0
20°	304.6	305.1	305.4	306.6	308.5	310.5	309.0	305.3	303.5	301.2	302.4
22.5°	318.7	318.2	318.4	320.3	323.1	325.0	323.9	319.5	316.5	314.7	315.3
25°	334.4	334.3	334.8	337.7	340.8	342.9	341.2	335.6	332.5	329.4	330.7
27.5°	353.7	353.9	354.2	357.8	362.6	365.7	361.6	356.0	351.8	347.7	348.7
30°	376.5	376.2	377.2	382.1	389.2	394.0	389.3	381.4	375.4	371.5	372.0
32.5°	400.8	401.2	403.8	411.5	420.9	429.5	420.0	409.4	401.7	394.4	395.3
35°	427.1	427.9	433.7	445.2	460.6	472.1	458.8	441.5	430.5	421.1	421.4
37.5°	458.0	460.0	468.1	485.2	507.2	522.6	503.2	480.2	465.9	454.3	453.5
40°	498.7	500.9	511.9	532.3	559.1	573.2	550.6	527.0	509.4	496.7	494.8
42.5°	545.3	548.2	560.2	581.1	607.8	617.4	595.3	575.4	559.6	544.7	544.0
45°	597.9	599.6	609.3	625.3	644.6	646.9	630.3	619.3	603.3	589.4	588.2
47.5°	647.3	649.0	655.6	663.9	668.4	660.3	657.4	652.5	631.8	614.6	611.1
50°	684.9	686.2	694.5	697.7	685.1	667.9	673.6	663.2	640.7	621.4	615.9
52.5°	682.3	685.6	706.8	725.2	717.3	703.4	688.2	665.8	630.8	604.4	597.6
55°	587.4	591.8	637.3	698.0	752.3	758.3	697.4	625.3	559.6	520.8	513.9
57.5°	377.5	378.7	434.2	519.4	641.7	680.2	578.3	471.5	389.7	347.1	344.2
60°	138.8	136.5	178.5	249.1	369.6	410.4	340.4	238.4	170.1	139.9	137.5
62.5°	33.4	33.7	41.8	62.7	116.0	143.5	113.4	63.3	40.3	33.8	33.5
65°	16.8	16.5	16.7	18.0	24.8	29.6	24.3	17.2	16.5	16.7	16.5
67.5°	10.9	10.7	11.0	11.2	11.0	10.4	10.2	10.5	10.5	10.7	10.4
70°	6.6	6.5	6.8	7.3	7.0	6.2	6.5	6.8	6.5	6.3	6.3
72.5°	3.6	3.6	3.9	4.2	3.9	3.6	3.6	3.7	3.6	3.6	3.6
75°	1.6	1.6	1.8	1.9	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6
80°	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)