

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: P628613

Luminaire Tested: GWS-SA1A-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628613  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

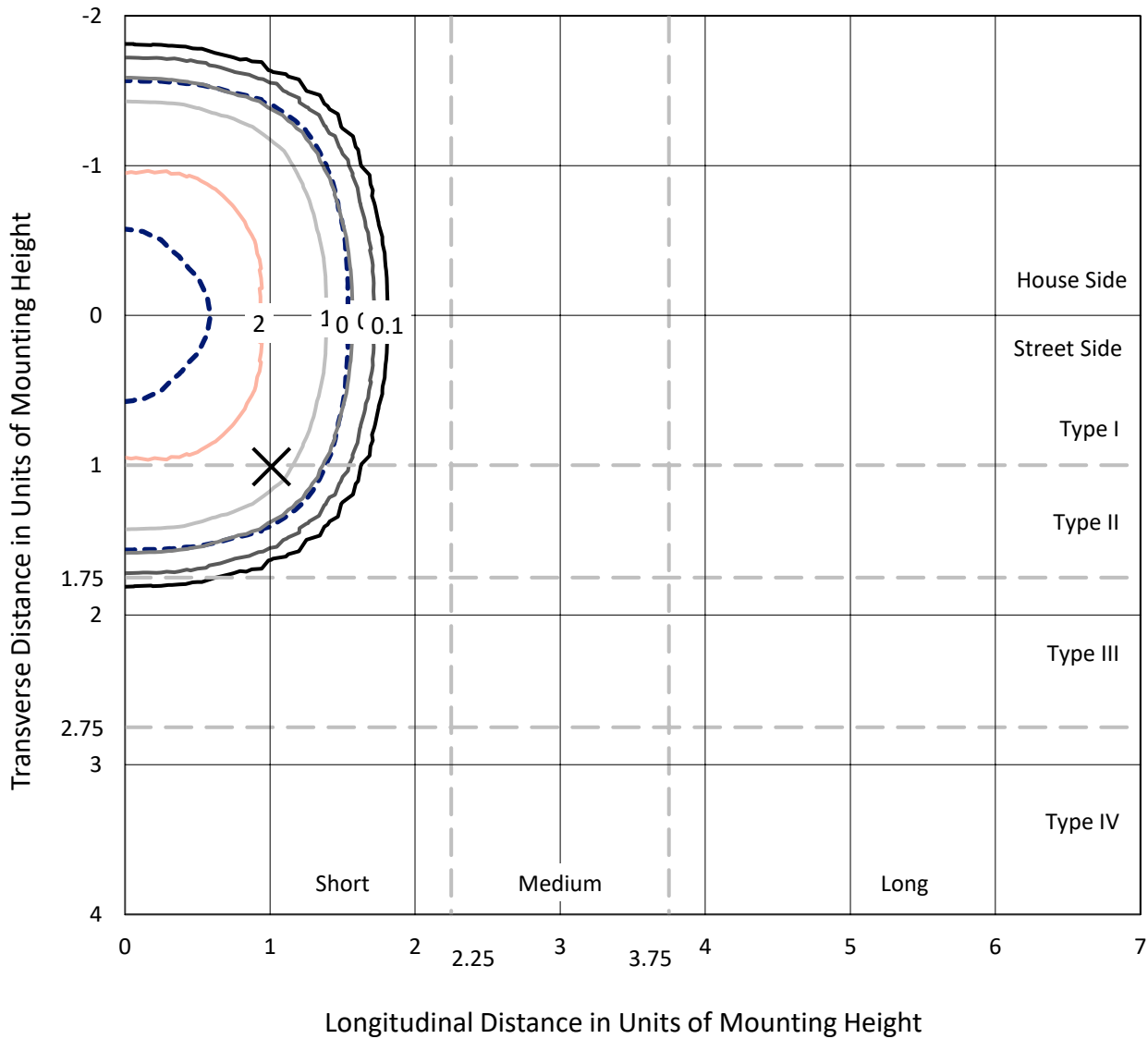
Lumens per Lamp: N/A  
Luminaire Lumens: 1474 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

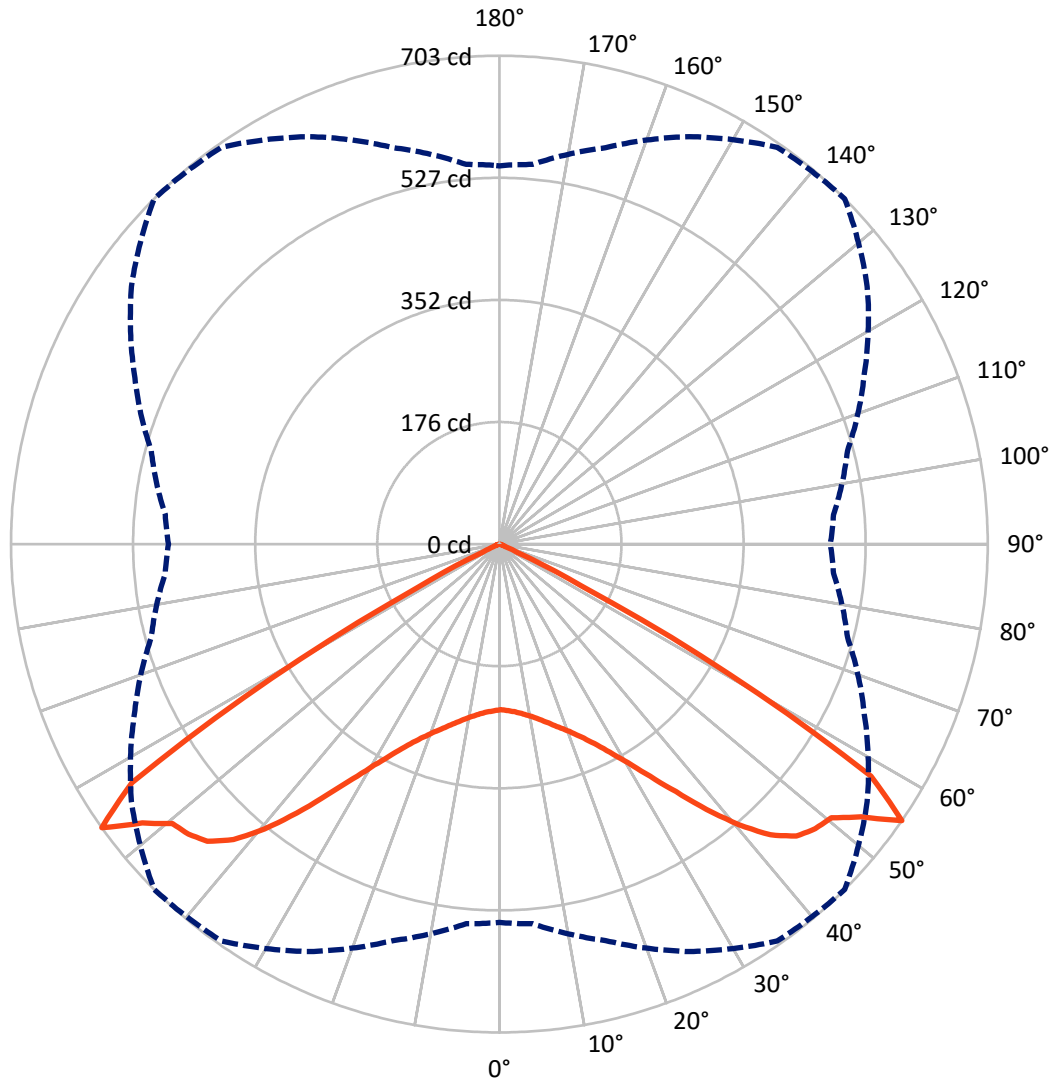
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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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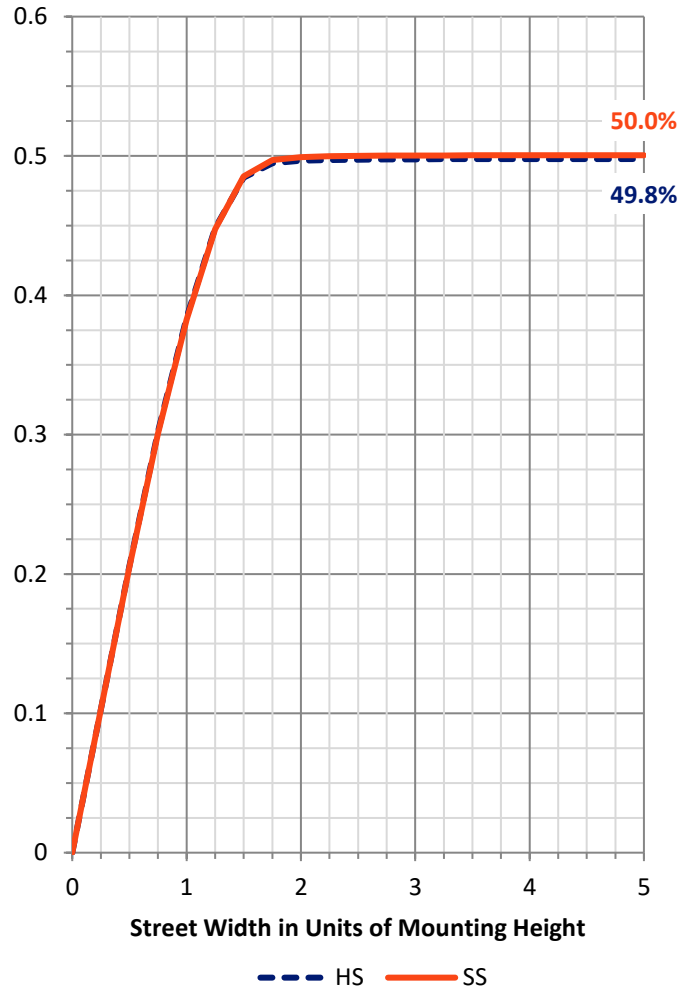
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	737.0	0.0	737.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	737.0	0.0	737.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1474.0	0.0	1474.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.4	1.6
10°-20°	75.7	5.1
20°-30°	146.6	9.9
30°-40°	262.6	17.8
40°-50°	440.3	29.9
50°-60°	471.3	32.0
60°-70°	51.8	3.5
70°-80°	2.3	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°	1474.0	100.0
0°-180°	1474.0	100.0

**Coefficient of Utilization**



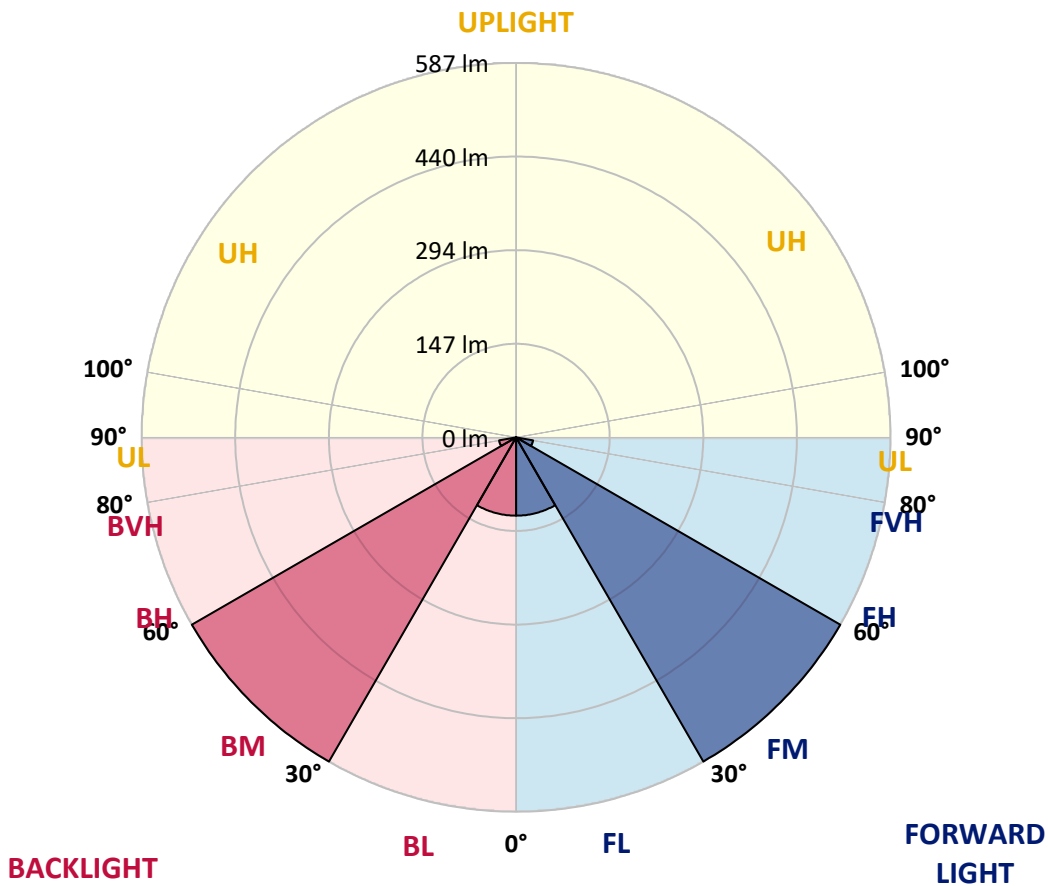
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.8	8.3			
FM (30°-60°)	587.1	39.8			
FH (60°-80°)	27.0	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	122.8	8.3	B1/500		
BM (30°-60°)	587.1	39.8	B1/1000		
BH (60°-80°)	27.0	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°	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3	238.3
2.5°	237.9	237.9	238.5	238.9	238.9	240.1	239.7	239.2	239.2	238.6	239.8
5°	241.3	241.2	241.8	242.1	241.5	242.7	241.9	241.5	241.2	240.6	241.8
7.5°	245.1	245.2	245.4	246.0	245.7	246.9	246.3	245.4	245.1	244.2	245.4
10°	249.6	249.6	249.9	250.6	250.8	252.3	251.7	250.6	249.7	248.8	250.0
12.5°	255.3	255.4	255.9	256.9	257.5	259.2	258.3	256.2	254.8	253.8	255.1
15°	263.5	263.4	264.0	265.5	266.2	267.5	266.1	263.2	261.6	260.4	261.3
17.5°	272.6	272.6	272.9	274.4	275.4	277.2	275.6	272.1	270.6	269.0	269.9
20°	282.5	282.9	283.2	284.3	286.1	287.9	286.5	283.1	281.4	279.3	280.4
22.5°	295.5	295.1	295.2	297.0	299.6	301.4	300.3	296.3	293.4	291.8	292.4
25°	310.1	309.9	310.4	313.1	316.0	317.9	316.4	311.1	308.3	305.4	306.6
27.5°	328.0	328.1	328.4	331.7	336.2	339.1	335.3	330.1	326.2	322.4	323.3
30°	349.1	348.8	349.7	354.2	360.9	365.4	361.0	353.6	348.1	344.5	344.9
32.5°	371.7	372.0	374.4	381.6	390.3	398.2	389.4	379.6	372.4	365.7	366.6
35°	396.0	396.7	402.2	412.8	427.1	437.7	425.4	409.4	399.1	390.4	390.7
37.5°	424.7	426.5	434.0	449.9	470.3	484.6	466.6	445.2	432.0	421.2	420.5
40°	462.4	464.5	474.7	493.6	518.4	531.4	510.6	488.6	472.3	460.6	458.8
42.5°	505.6	508.3	519.4	538.8	563.6	572.4	552.0	533.5	518.8	505.0	504.4
45°	554.4	555.9	564.9	579.8	597.7	599.8	584.5	574.2	559.4	546.5	545.4
47.5°	600.2	601.7	607.9	615.5	619.7	612.2	609.5	605.0	585.8	569.9	566.6
50°	635.1	636.3	643.9	646.9	635.2	619.3	624.6	614.9	594.1	576.2	571.1
52.5°	632.7	635.7	655.3	672.5	665.1	652.2	638.1	617.3	584.9	560.4	554.1
55°	544.7	548.7	590.9	647.2	697.5	703.1	646.6	579.8	518.8	482.9	476.5
57.5°	350.0	351.1	402.6	481.6	595.0	630.7	536.3	437.1	361.3	321.8	319.1
60°	128.7	126.6	165.5	231.0	342.7	380.5	315.7	221.0	157.7	129.7	127.5
62.5°	30.9	31.2	38.7	58.1	107.5	133.0	105.1	58.7	37.4	31.4	31.1
65°	15.6	15.3	15.5	16.7	23.0	27.5	22.5	15.9	15.3	15.5	15.3
67.5°	10.1	9.9	10.2	10.4	10.2	9.6	9.5	9.8	9.8	9.9	9.6
70°	6.2	6.0	6.3	6.8	6.5	5.7	6.0	6.3	6.0	5.9	5.9
72.5°	3.3	3.3	3.6	3.9	3.6	3.3	3.3	3.5	3.3	3.3	3.3
75°	1.5	1.5	1.7	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)