

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: P629112

Luminaire Tested: GWS-SA1B-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629112  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

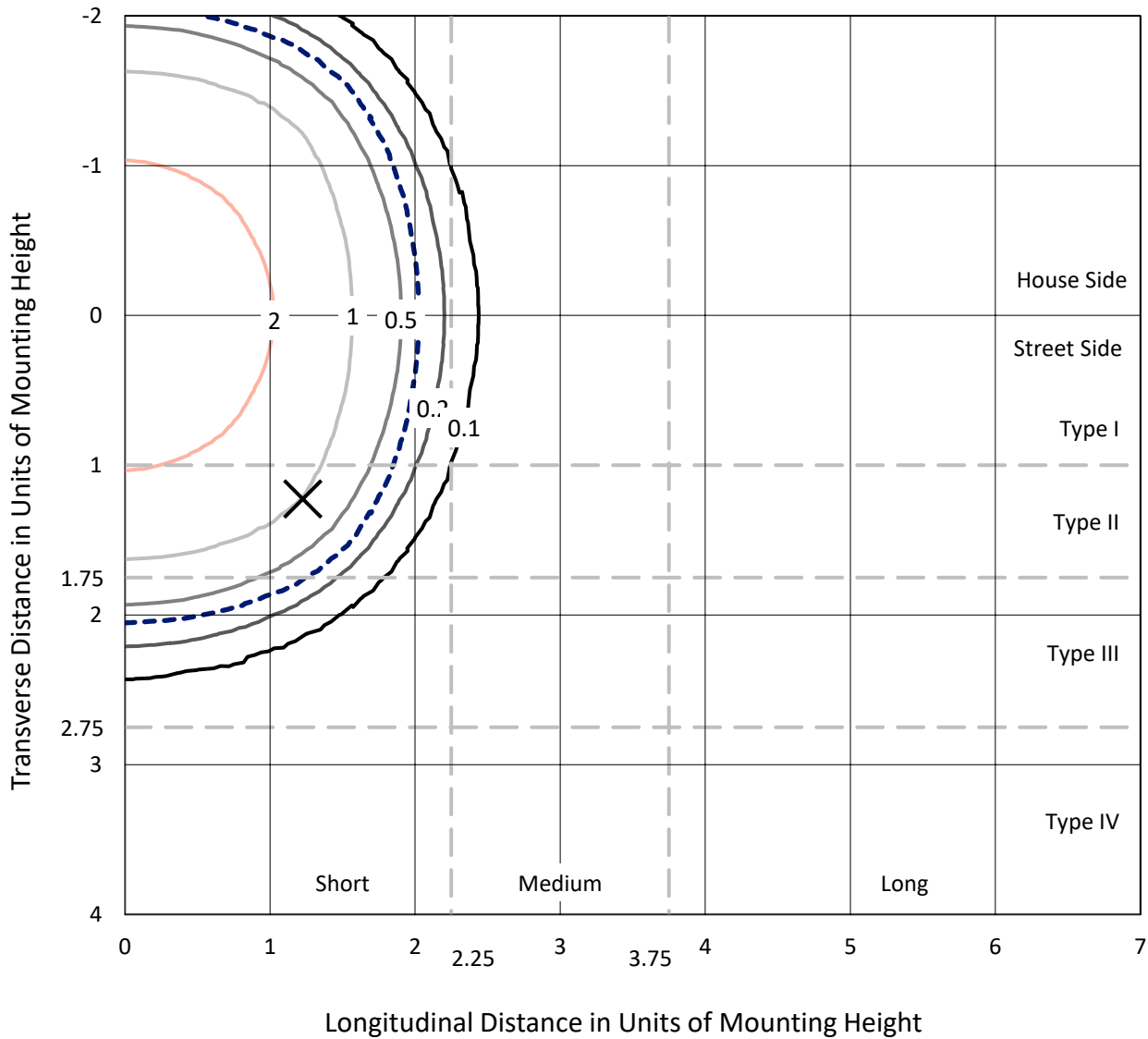
Lumens per Lamp: N/A  
Luminaire Lumens: 2229.6 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

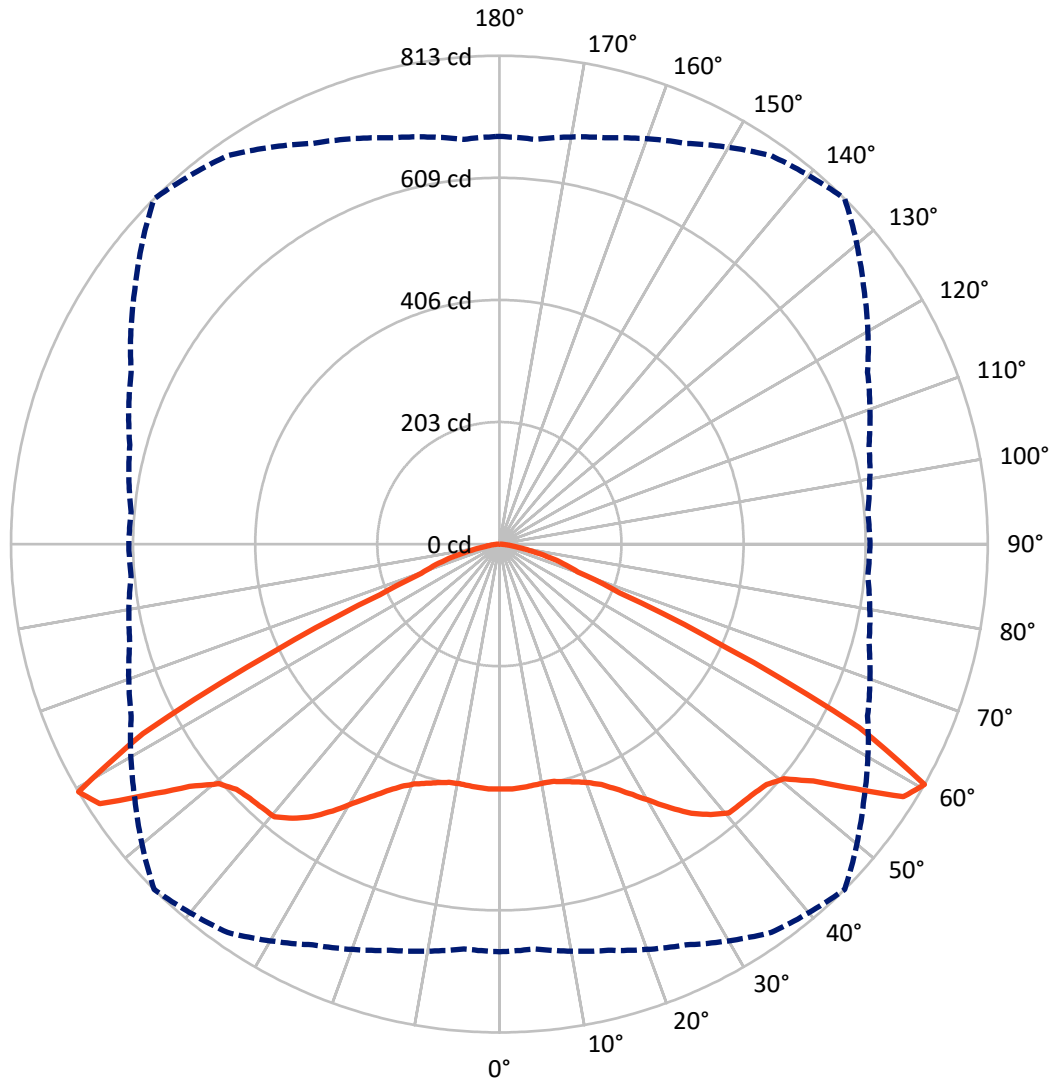
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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	1114.8	0.0	1114.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1114.8	0.0	1114.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2229.6	0.0	2229.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	1.7
10°-20°	116.2	5.2
20°-30°	205.6	9.2
30°-40°	331.1	14.8
40°-50°	455.0	20.4
50°-60°	606.4	27.2
60°-70°	377.9	17.0
70°-80°	86.9	3.9
80°-90°	11.8	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°	2229.6	100.0
0°-180°	2229.6	100.0

**Coefficient of Utilization**



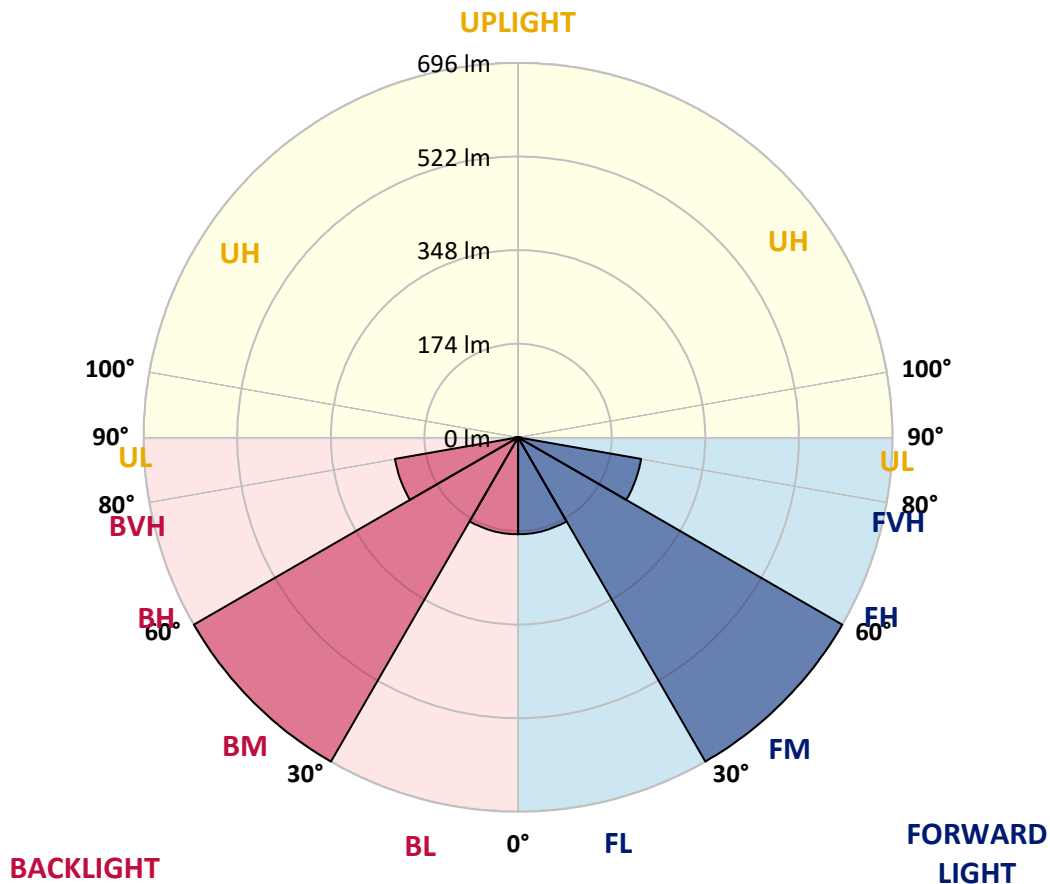
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.2	8.1			
FM (30°-60°)	696.2	31.2			
FH (60°-80°)	232.4	10.4			G0/660
FVH (80°-90°)	5.9	0.3			G0/10
BL (0°-30°)	180.2	8.1	B1/500		
BM (30°-60°)	696.2	31.2	B1/1000		
BH (60°-80°)	232.4	10.4	B1/500		G0/660
BVH (80°-90°)	5.9	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°	407.5	407.5	407.5	407.5	407.5	407.5	407.5	407.5	407.5	407.5	407.5
2.5°	404.6	405.0	405.8	406.3	407.1	407.8	408.2	407.5	407.1	405.6	407.3
5°	405.0	405.4	405.9	405.9	406.1	406.7	406.7	405.8	404.8	403.1	405.0
7.5°	404.4	404.8	405.0	404.8	405.0	405.2	404.8	403.7	402.7	401.2	402.7
10°	403.5	403.9	404.2	403.9	403.5	404.0	404.0	403.3	402.7	401.2	402.9
12.5°	405.6	406.1	406.3	405.4	405.0	405.2	405.2	404.4	404.4	403.1	405.0
15°	410.5	410.9	410.3	409.2	409.3	409.9	408.6	406.7	406.3	405.8	407.3
17.5°	414.3	414.6	414.1	413.3	414.6	416.0	413.5	409.9	408.8	408.4	410.1
20°	418.4	419.0	418.2	419.2	421.8	423.4	420.3	415.4	413.1	412.6	414.6
22.5°	425.2	426.0	426.0	428.1	432.1	434.5	430.7	424.1	420.7	419.8	421.8
25°	436.0	436.6	437.2	441.3	447.8	451.2	445.1	436.0	431.3	429.8	430.9
27.5°	451.0	451.9	452.9	458.9	466.9	471.8	463.1	451.7	445.9	442.8	445.1
30°	468.8	470.1	472.4	479.2	490.3	495.8	484.7	470.9	464.2	461.0	464.0
32.5°	493.0	493.2	494.9	502.5	517.2	523.5	509.5	494.1	487.3	483.5	485.2
35°	521.8	522.0	519.3	527.1	543.0	550.0	533.5	518.0	512.3	511.2	515.5
37.5°	551.3	549.6	546.9	550.3	566.4	571.0	553.6	540.3	537.8	539.9	546.4
40°	572.3	569.5	564.2	566.6	582.9	588.2	569.6	557.2	556.4	561.5	569.3
42.5°	585.9	582.9	576.6	576.6	587.8	590.1	575.7	569.1	570.8	576.6	584.0
45°	592.5	590.8	587.2	585.4	591.6	592.5	581.6	578.9	582.1	585.0	590.7
47.5°	597.7	597.7	596.5	594.6	597.5	598.0	589.9	589.1	593.3	593.3	597.1
50°	606.7	607.7	609.2	608.8	611.8	613.7	607.7	606.5	608.3	602.8	604.7
52.5°	630.6	633.0	637.4	640.8	648.6	654.4	643.6	634.6	625.7	613.5	613.9
55°	673.4	674.5	683.0	693.0	706.1	718.0	695.9	667.7	648.4	634.2	634.4
57.5°	709.5	711.2	723.7	744.7	774.0	792.6	743.6	696.4	669.2	651.8	652.3
60°	678.3	676.0	699.7	735.6	788.8	812.5	740.2	675.8	636.6	615.1	616.6
62.5°	524.8	520.4	546.7	584.4	648.2	671.8	605.2	543.5	506.4	489.6	487.1
65°	319.5	315.5	334.4	357.5	400.6	415.6	385.1	352.4	320.0	309.8	307.0
67.5°	173.9	173.4	178.5	189.8	208.7	215.7	209.9	194.4	186.0	178.8	178.8
70°	138.0	136.8	135.9	136.1	137.8	138.7	138.9	138.2	139.1	139.3	138.5
72.5°	114.3	113.9	112.0	112.2	111.5	111.1	112.4	113.2	114.7	114.9	114.9
75°	82.9	81.9	82.9	83.1	82.3	82.3	83.3	83.1	83.8	84.2	82.1
77.5°	47.1	47.1	48.4	50.0	51.1	51.1	52.0	52.0	53.0	52.8	52.4
80°	25.9	25.9	26.7	27.6	28.8	29.9	30.8	31.0	31.6	31.4	30.8
82.5°	14.8	15.0	15.3	15.9	17.0	18.0	18.9	19.1	19.7	19.7	19.1
85°	7.0	6.8	7.0	7.4	7.9	8.7	9.7	10.2	10.6	10.6	10.2
87.5°	1.3	1.5	1.3	1.5	1.7	2.3	2.6	3.0	3.6	3.8	3.4
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)