

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: P628886

Luminaire Tested: GWS-SA1A-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

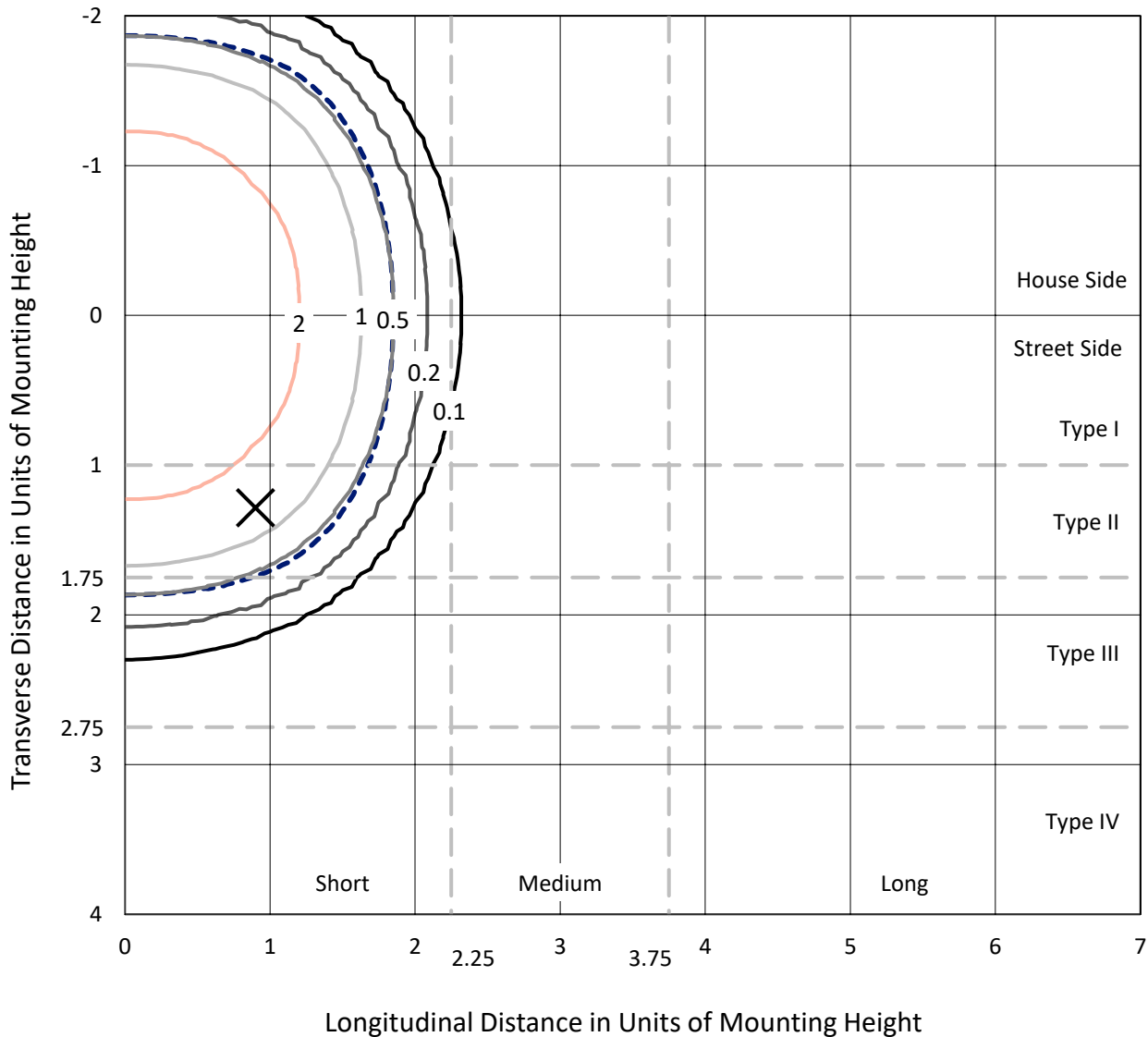
Lumens per Lamp: N/A  
Luminaire Lumens: 2547 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

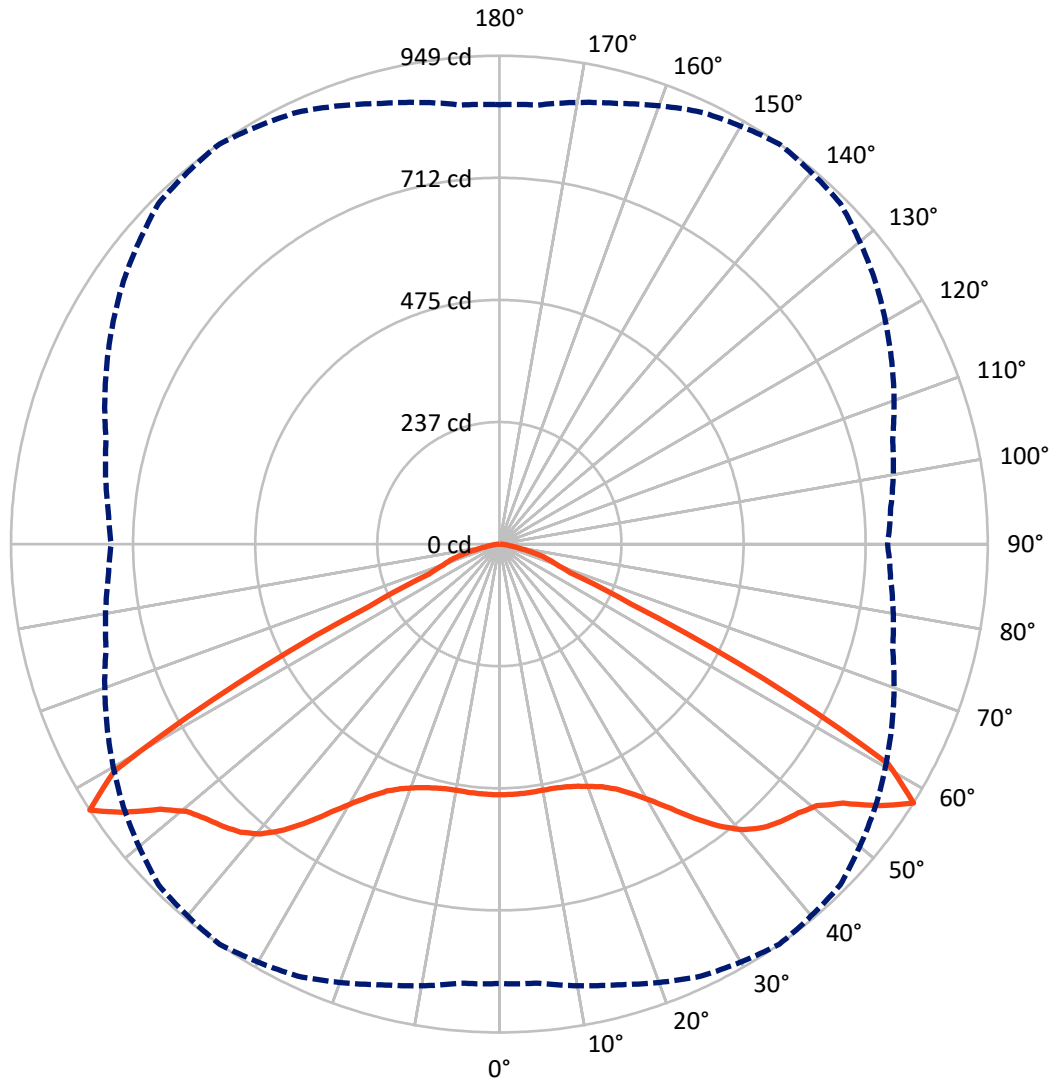
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P628886  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1273.5	0.0	1273.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1273.5	0.0	1273.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2547.0	0.0	2547.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.4	1.8
10°-20°	138.3	5.4
20°-30°	241.3	9.5
30°-40°	395.8	15.5
40°-50°	582.8	22.9
50°-60°	743.8	29.2
60°-70°	313.5	12.3
70°-80°	74.9	2.9
80°-90°	10.2	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°	2547.0	100.0
0°-180°	2547.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P628886

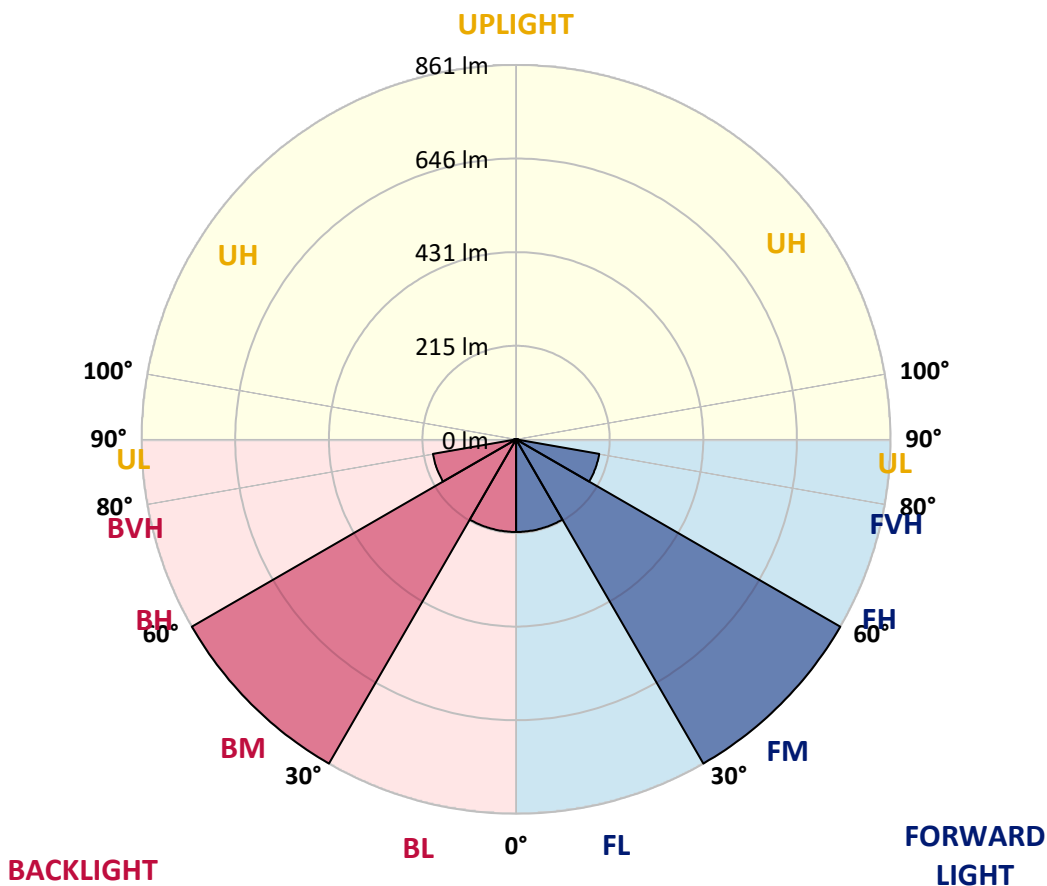
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.0	8.4			
FM (30°-60°)	861.2	33.8			
FH (60°-80°)	194.2	7.6			G0/660
FVH (80°-90°)	5.1	0.2			G0/10
BL (0°-30°)	213.0	8.4	B1/500		
BM (30°-60°)	861.2	33.8	B1/1000		
BH (60°-80°)	194.2	7.6	B1/500		G0/660
BVH (80°-90°)	5.1	0.2			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°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	484.4	484.4	485.5	486.5	486.9	488.8	488.6	488.0	487.5	486.3	488.0
5°	485.5	485.5	486.3	486.9	486.7	488.2	487.5	486.5	485.9	484.6	486.5
7.5°	485.3	485.3	485.9	486.5	486.1	487.3	486.3	484.8	483.8	482.5	484.2
10°	482.5	483.0	483.6	485.0	485.7	487.5	486.1	483.8	482.1	480.7	482.3
12.5°	482.1	482.5	483.4	485.3	486.3	489.0	487.1	483.4	480.9	479.0	480.7
15°	484.0	484.4	485.7	488.0	489.6	492.6	489.8	484.6	481.1	478.6	480.0
17.5°	486.3	486.9	488.8	492.1	494.8	498.0	494.6	488.4	483.4	480.0	481.3
20°	488.8	489.6	492.6	497.6	502.6	506.5	502.4	494.0	488.0	483.6	484.8
22.5°	493.2	494.2	498.0	505.1	512.6	518.4	513.2	501.9	494.0	488.4	489.4
25°	502.1	503.4	508.2	516.7	527.4	534.5	527.2	514.4	503.4	496.5	497.6
27.5°	518.0	518.6	524.9	536.1	549.3	557.4	548.6	533.6	521.3	513.4	514.2
30°	538.8	540.7	547.0	561.8	577.4	588.3	576.8	559.1	544.9	535.3	536.1
32.5°	564.3	565.5	574.9	590.4	612.9	625.4	609.7	588.7	571.6	559.9	560.7
35°	597.7	598.7	607.7	627.3	654.6	666.3	648.3	624.1	604.3	593.3	596.4
37.5°	637.5	639.4	645.8	665.2	695.7	707.1	686.5	664.0	643.3	633.1	635.4
40°	680.2	680.0	685.2	702.3	730.1	737.2	718.6	700.7	682.9	676.3	680.0
42.5°	716.9	715.9	719.6	733.8	753.0	753.6	741.3	731.3	718.8	714.2	717.8
45°	742.6	743.0	748.6	758.4	768.2	763.0	759.3	757.6	747.8	741.5	742.2
47.5°	762.8	764.5	773.4	780.1	781.4	772.6	777.8	780.3	772.2	762.6	759.9
50°	780.7	783.5	795.1	802.2	799.5	788.5	798.7	802.4	784.5	766.1	760.7
52.5°	813.3	816.4	830.6	839.8	836.6	825.6	835.2	821.8	791.6	769.1	762.2
55°	865.2	866.7	884.0	899.0	897.5	884.0	876.3	846.6	809.9	786.6	780.1
57.5°	854.1	856.6	886.7	926.7	949.2	936.9	891.7	841.2	791.4	763.2	754.5
60°	672.1	678.1	715.5	786.0	868.5	868.3	784.3	705.9	645.8	608.5	604.7
62.5°	392.5	396.6	430.6	501.9	576.0	580.6	521.5	467.7	415.2	390.0	377.9
65°	185.8	185.6	199.1	231.3	281.3	285.3	267.5	238.1	207.1	198.5	196.2
67.5°	137.2	137.2	136.2	138.5	148.1	150.1	148.1	143.3	140.3	142.2	141.0
70°	119.1	119.3	118.0	117.4	117.4	116.8	117.6	119.5	120.7	123.2	122.0
72.5°	96.6	96.8	96.8	97.0	97.2	96.3	97.6	98.6	98.8	99.7	98.8
75°	68.6	69.0	70.3	71.3	72.2	72.2	72.6	72.8	71.9	73.0	71.3
77.5°	37.7	38.2	40.5	42.3	44.2	44.4	45.0	45.5	45.0	45.9	44.6
80°	20.9	21.3	22.3	23.1	24.6	25.9	26.7	27.1	27.1	27.7	27.1
82.5°	11.9	12.3	12.9	13.3	14.6	15.6	16.5	17.1	17.1	17.3	16.9
85°	5.6	5.6	6.0	6.5	7.1	7.5	8.5	9.2	9.2	9.6	9.2
87.5°	0.8	1.0	1.3	1.3	1.7	2.1	2.5	2.7	3.1	3.3	3.3
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)