

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: P628892

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628892  
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-SA1A-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

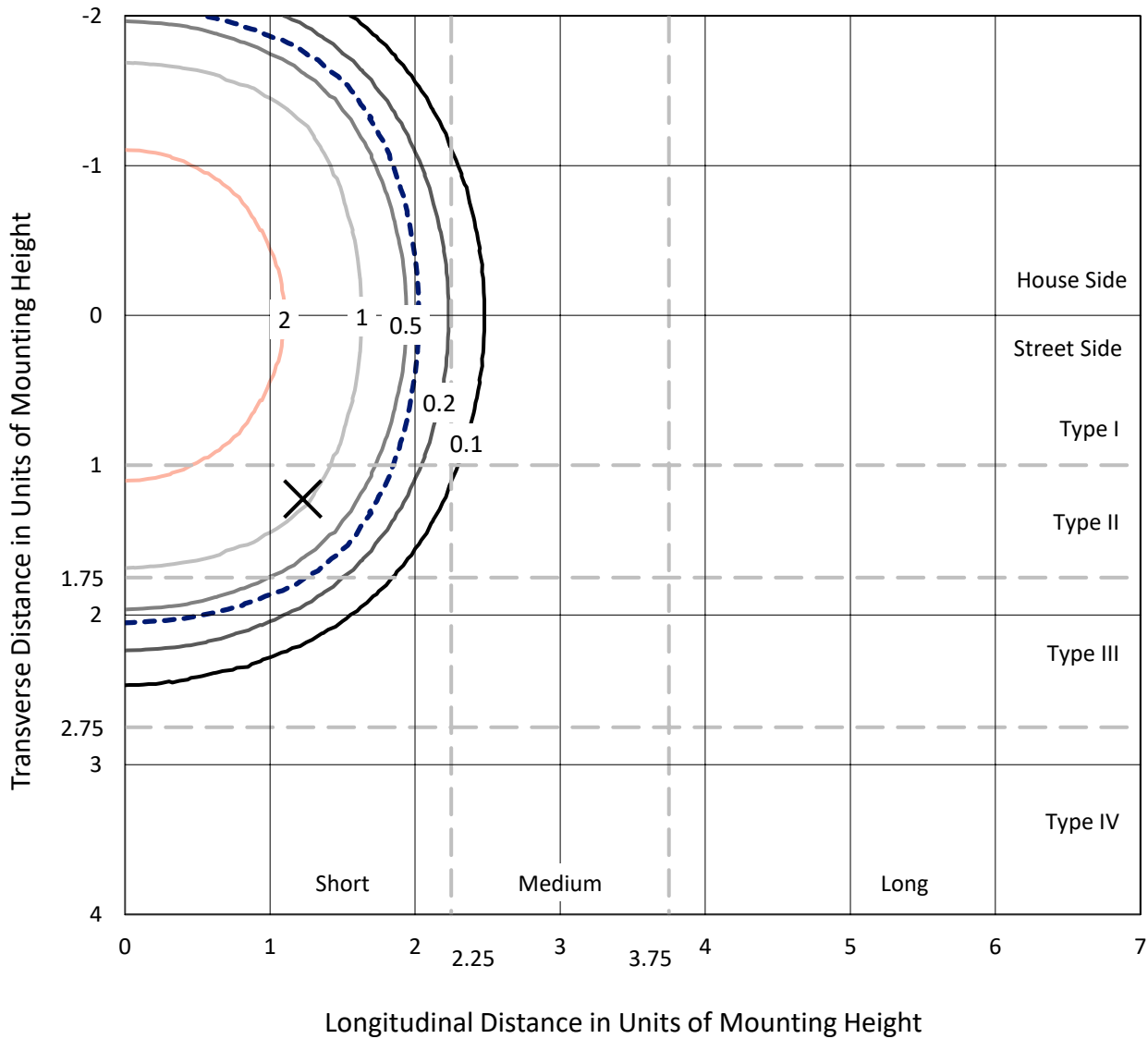
Lumens per Lamp: N/A  
Luminaire Lumens: 2456.7 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

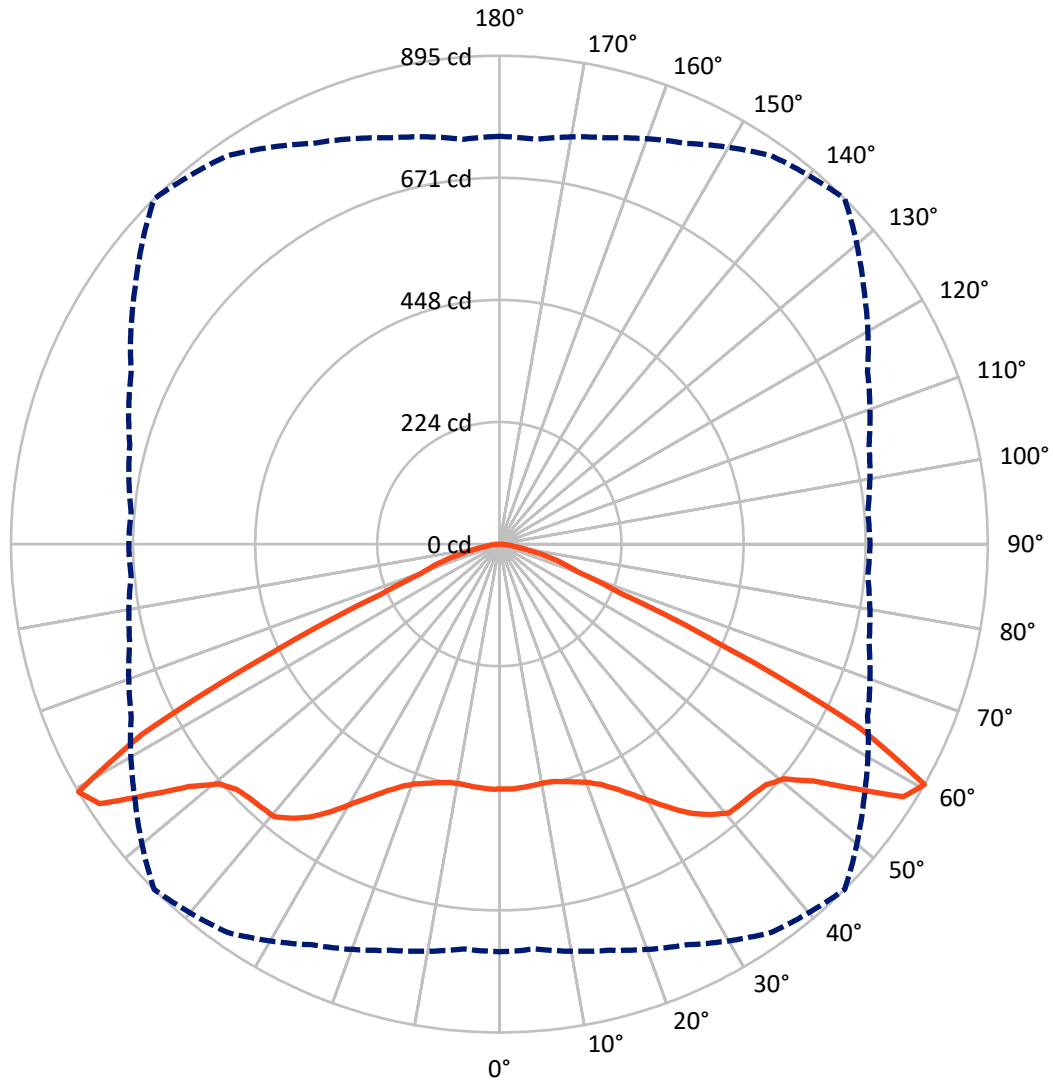
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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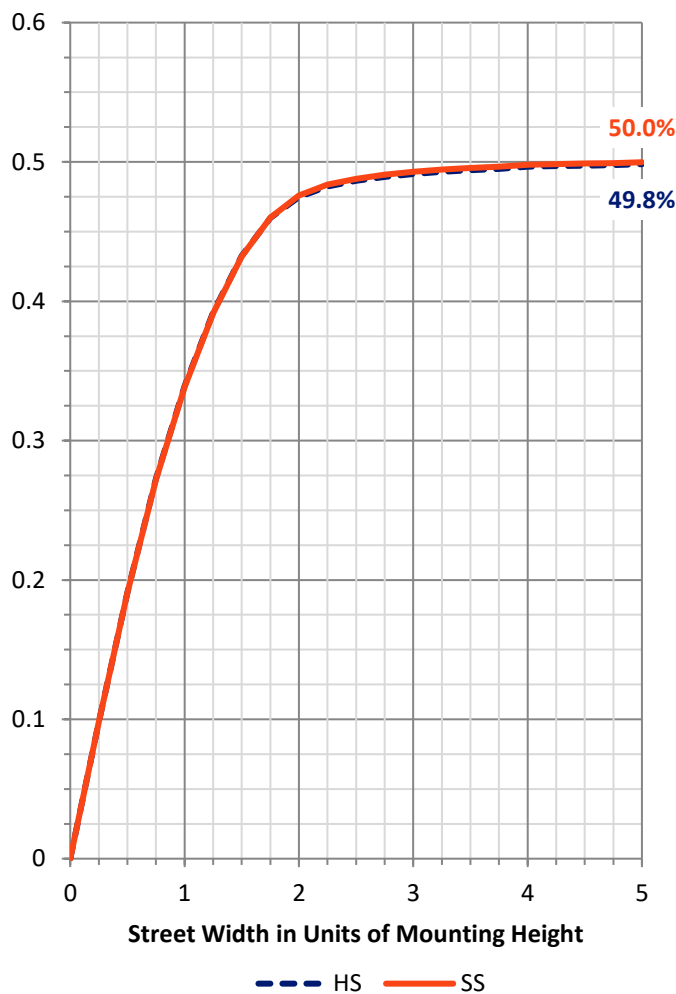
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1228.4	0.0	1228.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1228.4	0.0	1228.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2456.7	0.0	2456.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.6	1.7
10°-20°	128.1	5.2
20°-30°	226.6	9.2
30°-40°	364.8	14.8
40°-50°	501.4	20.4
50°-60°	668.2	27.2
60°-70°	416.4	17.0
70°-80°	95.8	3.9
80°-90°	13.0	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°	2456.7	100.0
0°-180°	2456.7	100.0

**Coefficient of Utilization**



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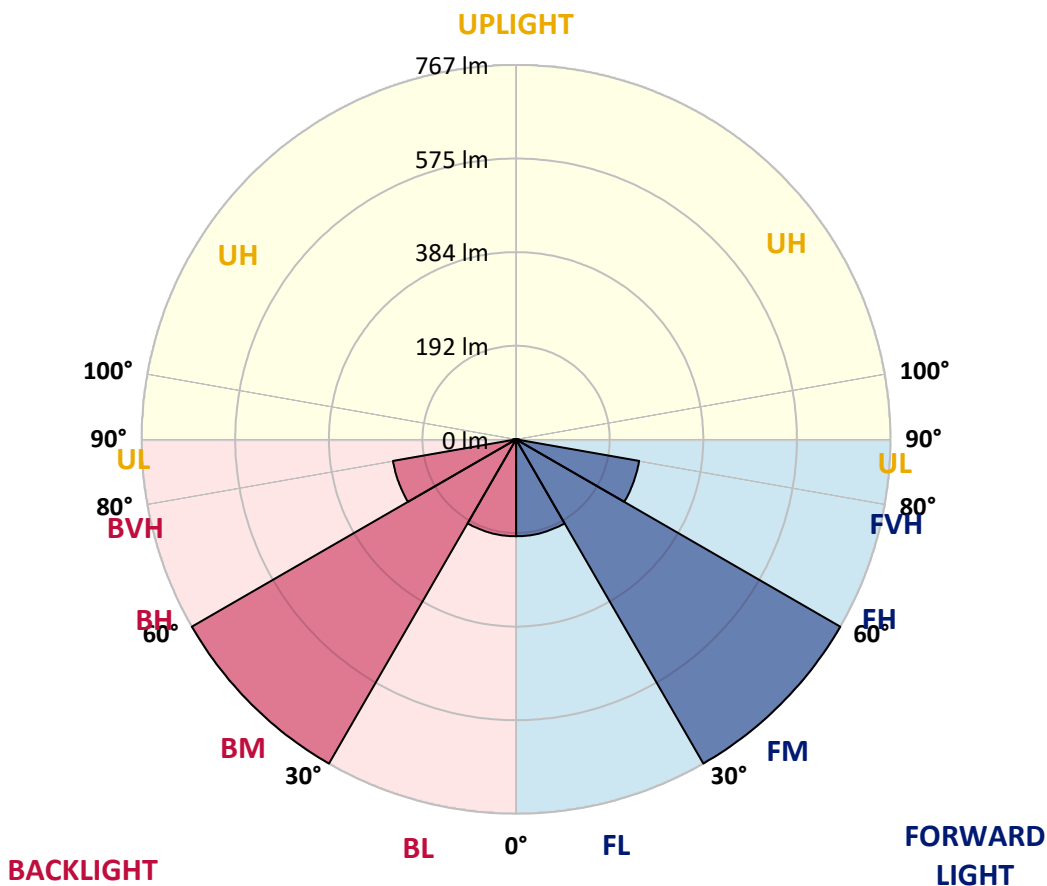
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.6	8.1			
FM (30°-60°)	767.2	31.2			
FH (60°-80°)	256.1	10.4			G0/660
FVH (80°-90°)	6.5	0.3			G0/10
BL (0°-30°)	198.6	8.1	B1/500		
BM (30°-60°)	767.2	31.2	B1/1000		
BH (60°-80°)	256.1	10.4	B1/500		G0/660
BVH (80°-90°)	6.5	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°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
2.5°	445.8	446.2	447.1	447.7	448.5	449.4	449.8	449.0	448.5	446.9	448.7
5°	446.2	446.7	447.3	447.3	447.5	448.1	448.1	447.1	446.0	444.2	446.2
7.5°	445.6	446.0	446.2	446.0	446.2	446.5	446.0	444.8	443.7	442.1	443.7
10°	444.6	445.0	445.4	445.0	444.6	445.2	445.2	444.4	443.7	442.1	444.0
12.5°	446.9	447.5	447.7	446.7	446.2	446.5	446.5	445.6	445.6	444.2	446.2
15°	452.3	452.7	452.1	450.8	451.0	451.7	450.2	448.1	447.7	447.1	448.7
17.5°	456.5	456.9	456.3	455.4	456.9	458.3	455.6	451.7	450.4	450.0	451.9
20°	461.1	461.7	460.8	461.9	464.8	466.5	463.1	457.7	455.2	454.6	456.9
22.5°	468.6	469.4	469.4	471.7	476.1	478.8	474.6	467.3	463.6	462.5	464.8
25°	480.4	481.1	481.7	486.3	493.4	497.1	490.5	480.4	475.2	473.6	474.8
27.5°	496.9	498.0	499.0	505.7	514.4	519.9	510.3	497.8	491.3	488.0	490.5
30°	516.5	518.0	520.5	528.0	540.3	546.3	534.0	518.8	511.5	508.0	511.3
32.5°	543.2	543.4	545.3	553.6	569.9	576.8	561.4	544.5	537.0	532.8	534.7
35°	574.9	575.1	572.2	580.7	598.3	606.0	587.8	570.7	564.5	563.2	568.0
37.5°	607.4	605.6	602.6	606.4	624.1	629.1	609.9	595.3	592.6	594.9	602.0
40°	630.6	627.5	621.6	624.3	642.3	648.1	627.7	613.9	613.1	618.7	627.2
42.5°	645.6	642.3	635.4	635.4	647.7	650.2	634.3	627.0	628.9	635.4	643.5
45°	652.9	651.0	647.1	645.0	651.9	652.9	640.8	637.9	641.4	644.6	650.8
47.5°	658.5	658.5	657.3	655.2	658.3	658.9	650.0	649.1	653.7	653.7	657.9
50°	668.5	669.6	671.2	670.8	674.2	676.3	669.6	668.3	670.2	664.2	666.2
52.5°	694.8	697.5	702.3	706.1	714.6	721.1	709.2	699.2	689.4	676.0	676.5
55°	741.9	743.2	752.6	763.6	778.0	791.2	766.8	735.7	714.4	698.8	699.0
57.5°	781.8	783.6	797.4	820.6	852.9	873.3	819.3	767.4	737.4	718.2	718.8
60°	747.4	744.9	770.9	810.5	869.1	895.2	815.5	744.6	701.5	677.7	679.4
62.5°	578.2	573.4	602.4	643.9	714.2	740.3	666.9	598.9	558.0	539.5	536.7
65°	352.0	347.6	368.5	393.9	441.5	457.9	424.4	388.3	352.6	341.4	338.2
67.5°	191.6	191.0	196.6	209.2	230.0	237.7	231.3	214.2	205.0	197.1	197.1
70°	152.0	150.8	149.7	149.9	151.8	152.9	153.1	152.2	153.3	153.5	152.6
72.5°	126.0	125.5	123.4	123.7	122.8	122.4	123.9	124.7	126.4	126.6	126.6
75°	91.3	90.3	91.3	91.5	90.7	90.7	91.8	91.5	92.4	92.8	90.5
77.5°	51.9	51.9	53.4	55.1	56.3	56.3	57.3	57.3	58.4	58.2	57.8
80°	28.6	28.6	29.4	30.4	31.7	32.9	34.0	34.2	34.8	34.6	34.0
82.5°	16.3	16.5	16.9	17.5	18.8	19.8	20.9	21.1	21.7	21.7	21.1
85°	7.7	7.5	7.7	8.1	8.8	9.6	10.6	11.3	11.7	11.7	11.3
87.5°	1.5	1.7	1.5	1.7	1.9	2.5	2.9	3.3	4.0	4.2	3.8
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)