

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: P628888

Luminaire Tested: GWS-SA1A-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628888  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

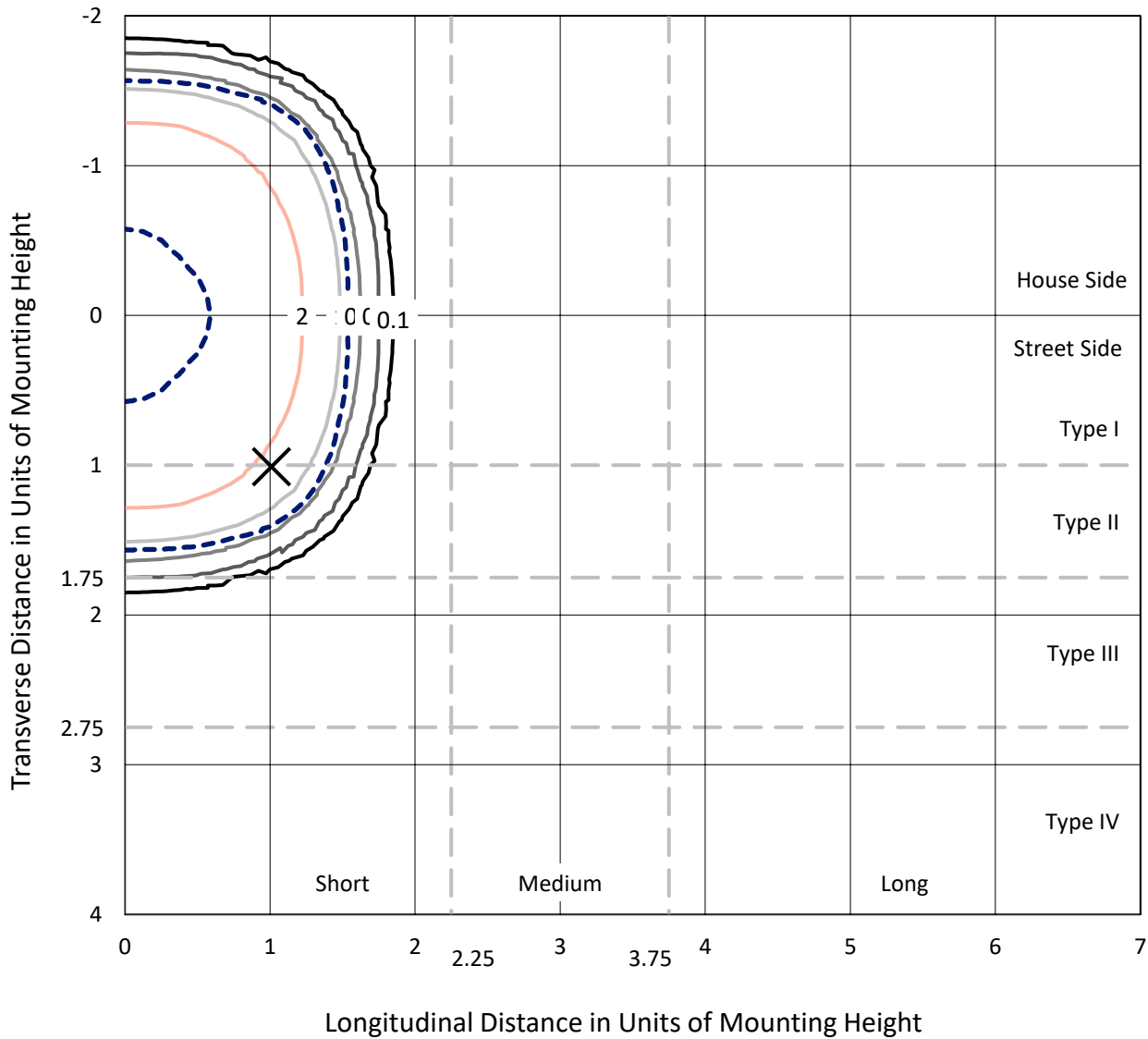
Lumens per Lamp: N/A  
Luminaire Lumens: 2047 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

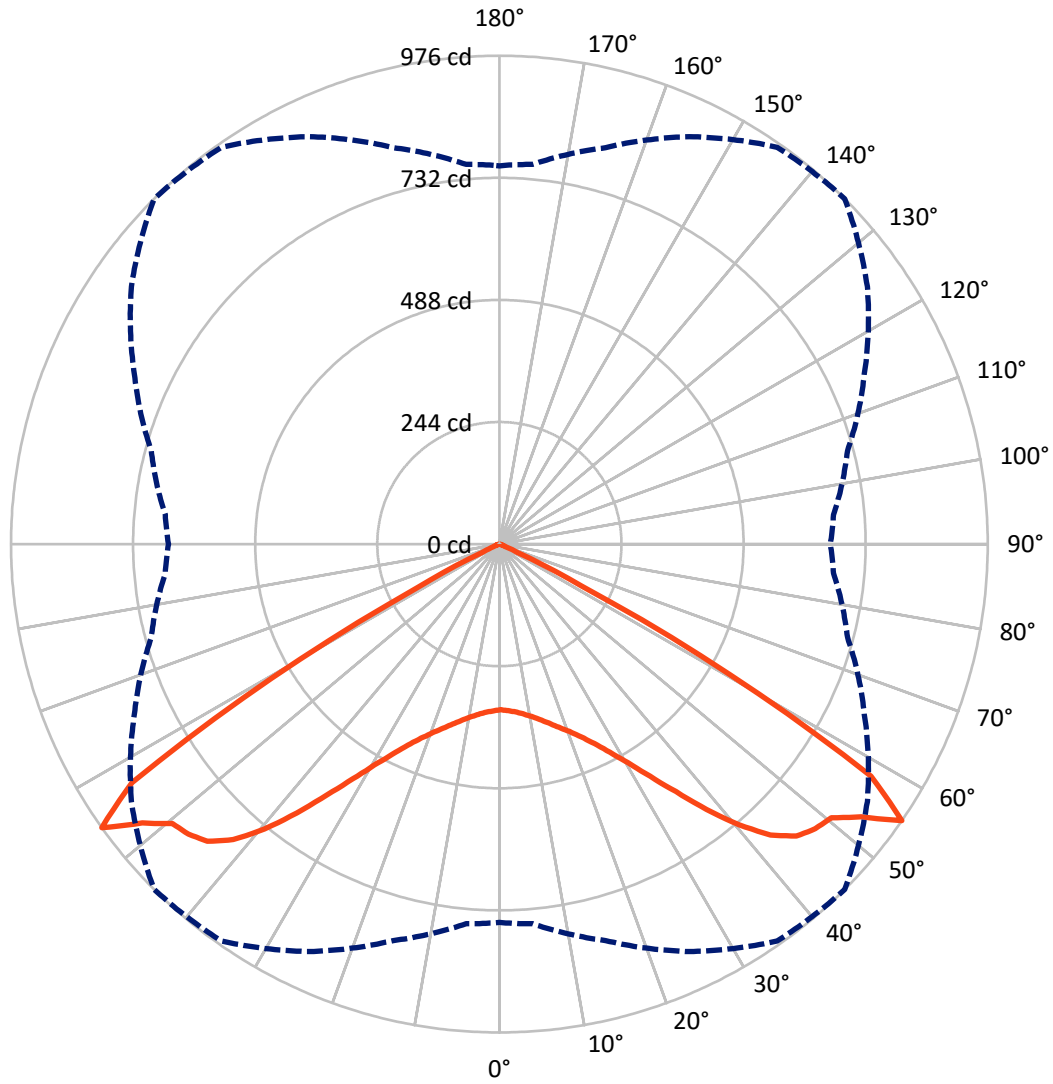
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 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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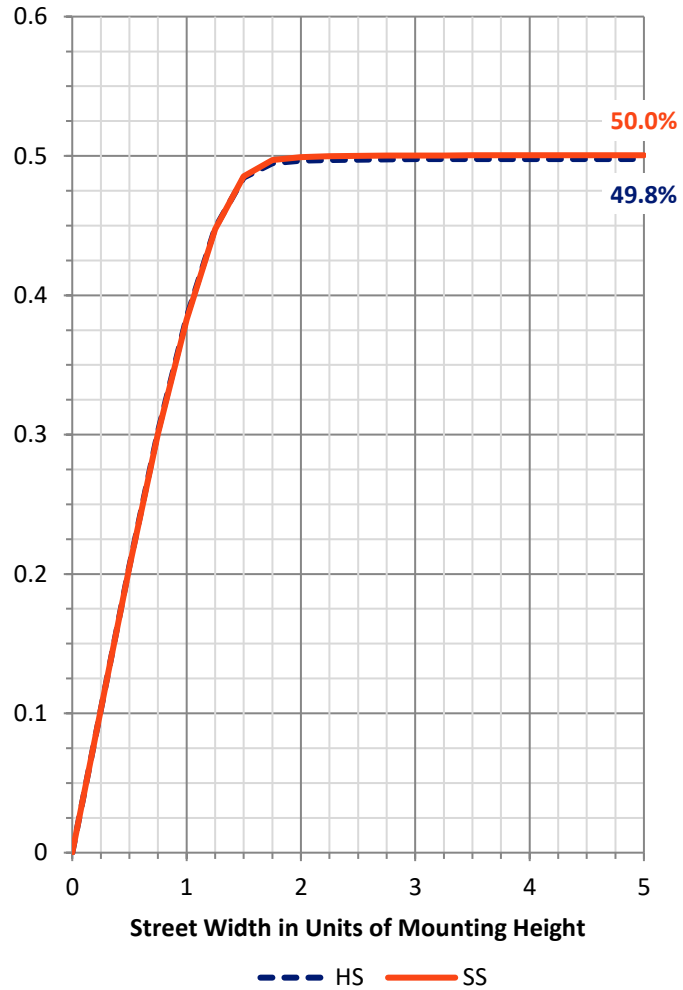
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1023.5	0.0	1023.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1023.5	0.0	1023.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2047.0	0.0	2047.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.4	1.6
10°-20°	105.1	5.1
20°-30°	203.6	9.9
30°-40°	364.7	17.8
40°-50°	611.4	29.9
50°-60°	654.5	32.0
60°-70°	71.9	3.5
70°-80°	3.2	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°	2047.0	100.0
0°-180°	2047.0	100.0

**Coefficient of Utilization**



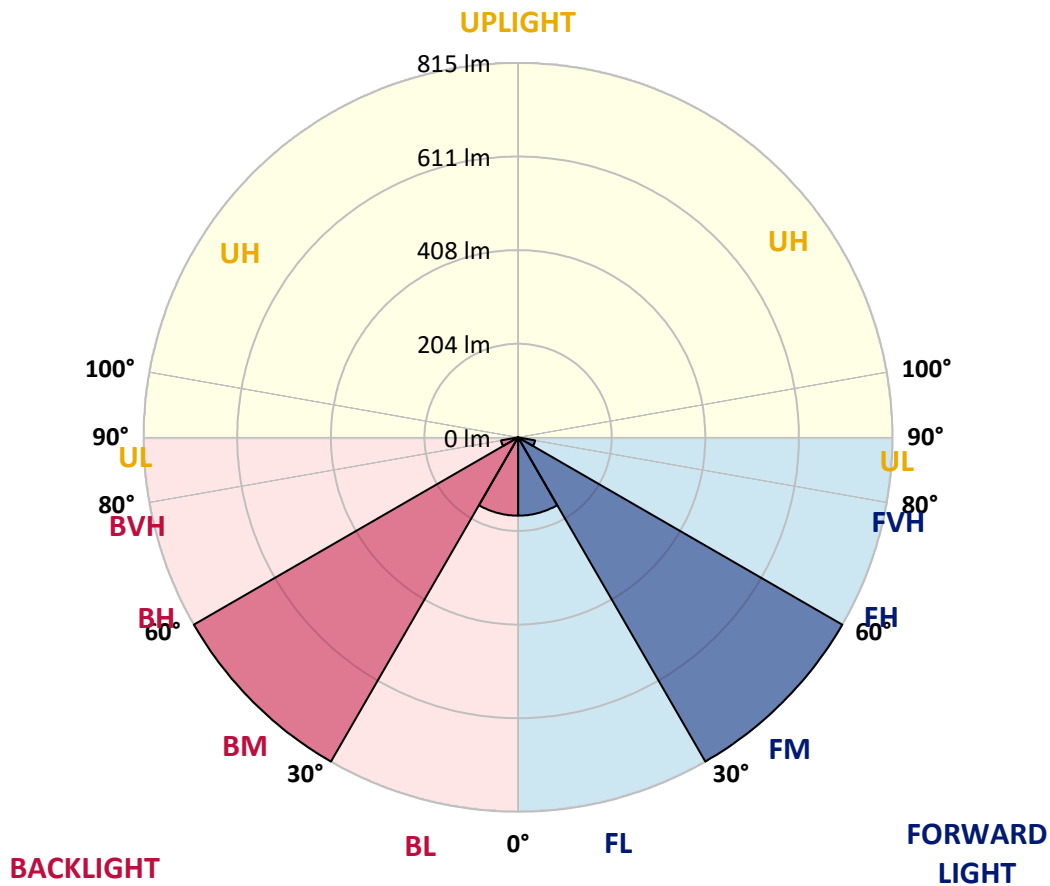
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.6	8.3			
FM (30°-60°)	815.3	39.8			
FH (60°-80°)	37.5	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	170.6	8.3	B1/500		
BM (30°-60°)	815.3	39.8	B1/1000		
BH (60°-80°)	37.5	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°	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
2.5°	330.3	330.3	331.2	331.8	331.8	333.5	332.8	332.2	332.2	331.4	333.0
5°	335.1	334.9	335.8	336.2	335.3	337.0	336.0	335.3	334.9	334.1	335.8
7.5°	340.3	340.6	340.8	341.6	341.2	342.8	342.0	340.8	340.3	339.1	340.8
10°	346.6	346.6	347.0	348.1	348.3	350.4	349.5	348.1	346.8	345.6	347.2
12.5°	354.5	354.7	355.4	356.8	357.7	359.9	358.7	355.8	353.9	352.4	354.3
15°	366.0	365.8	366.6	368.7	369.7	371.4	369.5	365.6	363.3	361.6	362.9
17.5°	378.5	378.5	378.9	381.0	382.5	385.0	382.7	377.9	375.8	373.5	374.8
20°	392.3	392.9	393.3	394.8	397.3	399.8	397.9	393.1	390.8	387.9	389.4
22.5°	410.4	409.8	410.0	412.5	416.0	418.5	417.1	411.5	407.5	405.2	406.0
25°	430.6	430.4	431.1	434.8	438.8	441.5	439.4	432.1	428.1	424.2	425.8
27.5°	455.5	455.7	456.1	460.7	466.9	470.9	465.7	458.4	453.0	447.7	449.0
30°	484.9	484.4	485.7	492.0	501.1	507.4	501.3	491.1	483.4	478.4	479.0
32.5°	516.1	516.6	519.9	529.9	542.0	553.1	540.8	527.2	517.2	507.8	509.1
35°	549.9	551.0	558.5	573.3	593.1	607.9	590.8	568.5	554.3	542.2	542.6
37.5°	589.8	592.3	602.7	624.8	653.2	673.0	647.9	618.3	600.0	585.0	583.9
40°	642.1	645.0	659.2	685.5	719.9	738.0	709.1	678.6	655.9	639.6	637.1
42.5°	702.2	705.9	721.4	748.3	782.7	795.0	766.6	741.0	720.5	701.3	700.5
45°	769.9	772.0	784.5	805.2	830.0	832.9	811.7	797.5	776.8	758.9	757.4
47.5°	833.6	835.6	844.2	854.8	860.7	850.2	846.5	840.2	813.5	791.4	786.8
50°	881.9	883.6	894.2	898.4	882.1	860.0	867.3	854.0	825.0	800.2	793.1
52.5°	878.6	882.8	910.1	933.9	923.6	905.7	886.1	857.3	812.3	778.3	769.5
55°	756.4	762.0	820.6	898.8	968.7	976.4	898.0	805.2	720.5	670.7	661.7
57.5°	486.1	487.6	559.1	668.8	826.3	875.9	744.7	607.1	501.8	446.9	443.2
60°	178.7	175.8	229.8	320.7	475.9	528.5	438.4	307.0	219.0	180.2	177.1
62.5°	43.0	43.4	53.8	80.7	149.3	184.8	146.0	81.5	51.9	43.6	43.2
65°	21.7	21.3	21.5	23.1	31.9	38.2	31.3	22.1	21.3	21.5	21.3
67.5°	14.0	13.8	14.2	14.4	14.2	13.3	13.1	13.6	13.6	13.8	13.3
70°	8.6	8.3	8.8	9.4	9.0	7.9	8.3	8.8	8.3	8.1	8.1
72.5°	4.6	4.6	5.0	5.4	5.0	4.6	4.6	4.8	4.6	4.6	4.6
75°	2.1	2.1	2.3	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
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)