

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: P628891

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

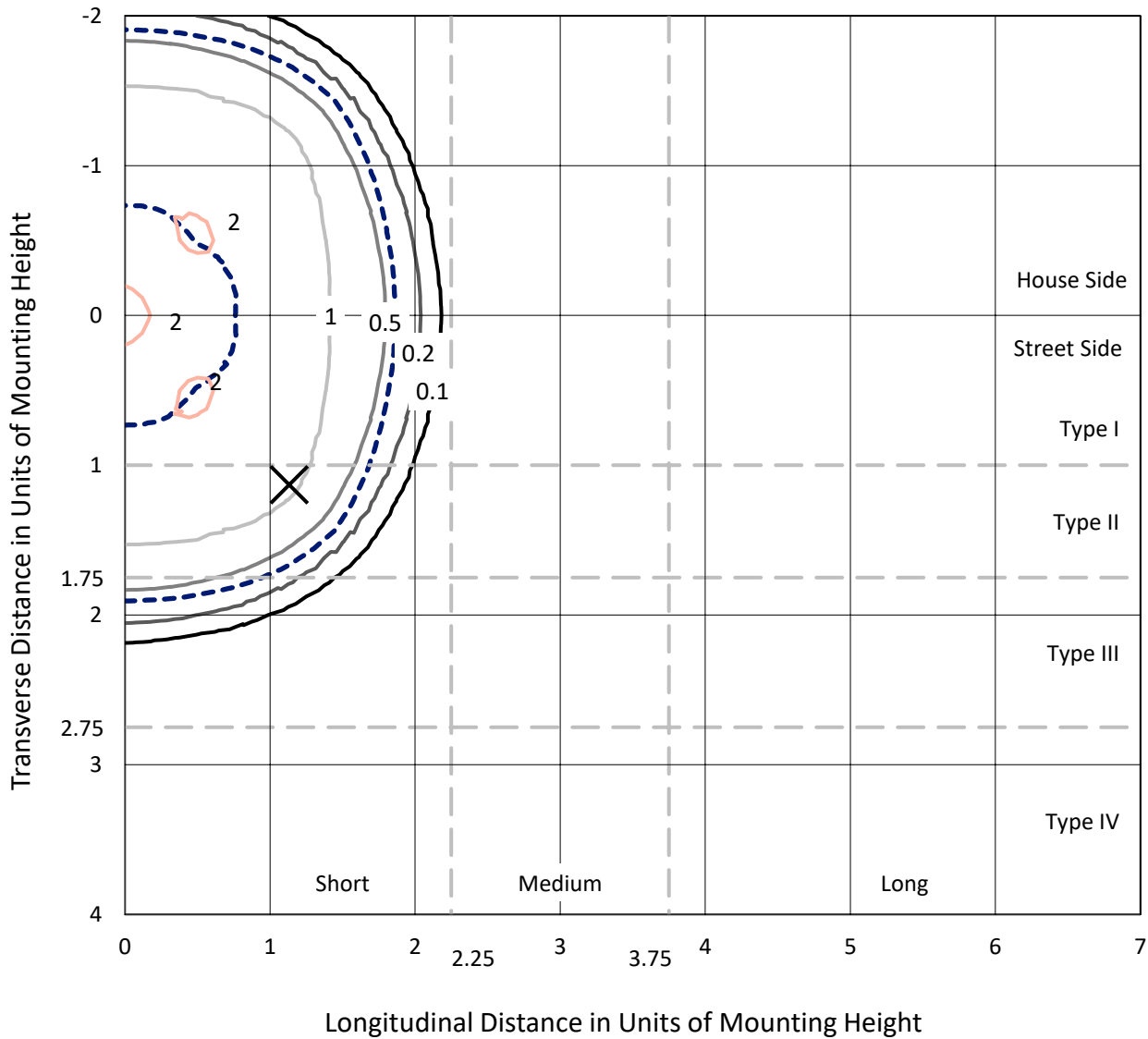
Lumens per Lamp: N/A  
Luminaire Lumens: 1530.8 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

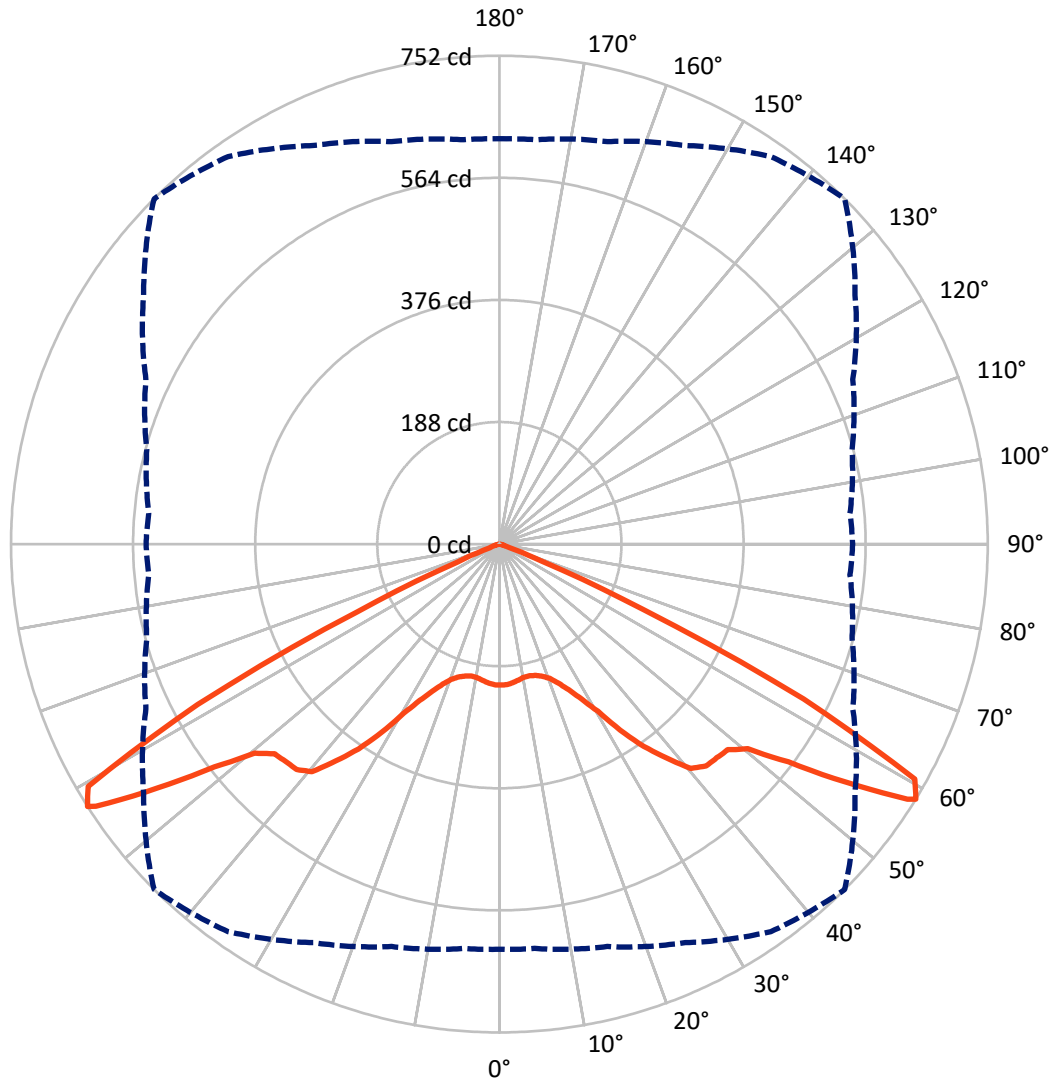
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	765.4	0.0	765.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	765.4	0.0	765.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1530.8	0.0	1530.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	1.3
10°-20°	59.9	3.9
20°-30°	113.4	7.4
30°-40°	223.5	14.6
40°-50°	353.8	23.1
50°-60°	520.0	34.0
60°-70°	232.1	15.2
70°-80°	7.8	0.5
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°	1530.8	100.0
0°-180°	1530.8	100.0

**Coefficient of Utilization**



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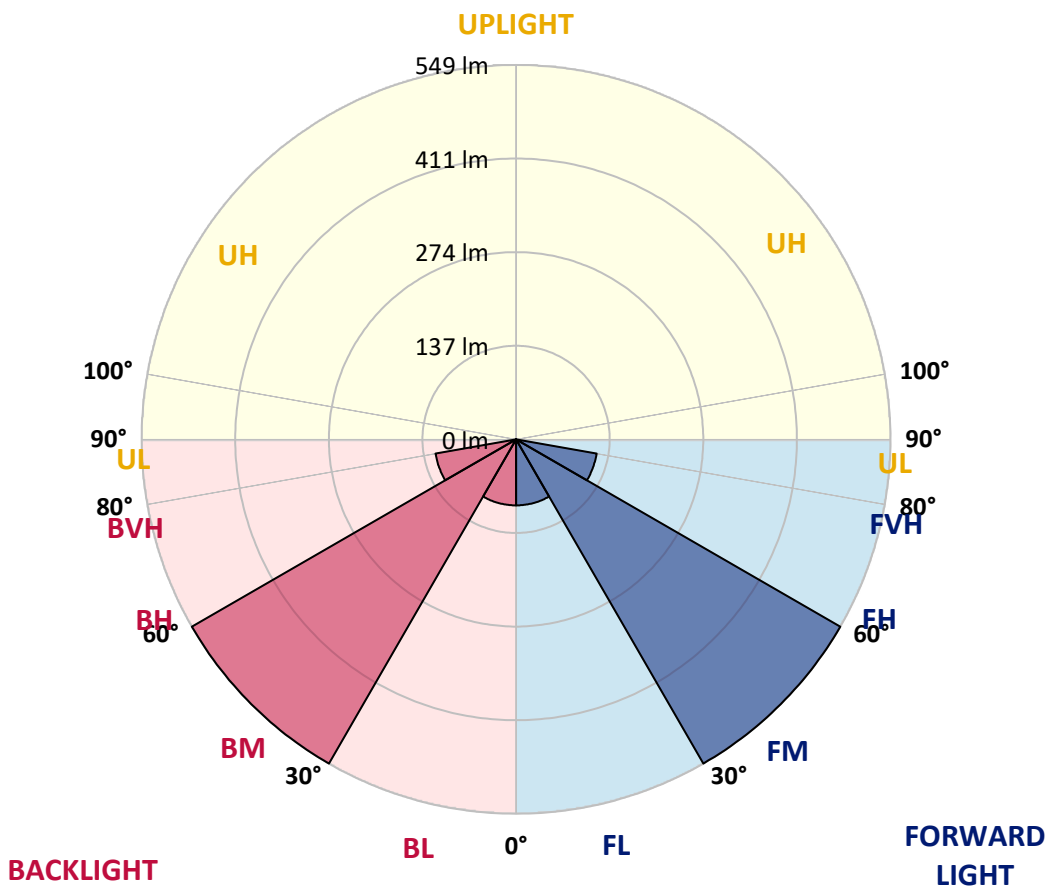
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.8	6.3			
FM (30°-60°)	548.7	35.8			
FH (60°-80°)	119.9	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	96.8	6.3	B0/110		
BM (30°-60°)	548.7	35.8	B1/1000		
BH (60°-80°)	119.9	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	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°	217.1	217.1	217.1	217.1	217.1	217.1	217.1	217.1	217.1	217.1	217.1
2.5°	215.0	215.4	215.8	216.0	216.3	216.9	217.1	216.5	216.5	215.2	216.7
5°	214.0	214.4	214.8	214.6	214.6	214.6	214.4	213.5	213.3	212.1	213.5
7.5°	212.1	212.5	212.5	211.9	211.5	211.5	211.2	210.2	210.0	208.7	210.2
10°	210.6	210.8	210.6	209.4	208.5	208.5	208.3	207.9	208.1	207.3	208.5
12.5°	211.5	211.7	210.8	209.2	208.1	207.9	207.3	206.7	207.3	207.1	208.3
15°	214.2	214.4	212.9	210.8	210.0	210.0	208.3	206.7	207.5	207.7	209.2
17.5°	217.5	217.5	215.6	213.8	214.0	214.0	211.2	208.3	208.5	209.4	210.8
20°	221.5	221.5	219.6	219.2	220.6	220.8	217.5	212.9	211.9	212.5	214.2
22.5°	228.6	228.6	227.1	228.1	231.5	232.5	227.5	221.1	218.5	219.0	220.6
25°	239.6	239.6	239.2	241.7	246.5	248.8	242.1	233.6	229.4	228.8	230.6
27.5°	258.2	258.4	257.8	261.5	267.6	270.3	261.1	249.8	244.8	243.8	245.7
30°	282.2	282.2	282.4	287.6	295.5	299.0	286.9	273.8	268.0	264.6	267.1
32.5°	308.8	309.3	311.3	320.1	334.1	341.4	323.7	305.3	295.9	292.4	295.1
35°	352.8	348.9	346.4	352.8	373.1	382.7	359.9	338.5	331.4	330.9	337.8
37.5°	396.4	394.1	388.9	395.6	413.7	418.1	393.1	375.2	370.2	372.9	379.7
40°	431.0	426.9	420.0	426.3	450.0	454.4	423.5	405.8	403.9	410.0	419.4
42.5°	458.4	452.5	443.4	444.8	464.0	467.1	439.8	426.5	427.7	435.2	445.9
45°	470.7	466.1	457.9	457.3	469.4	469.6	448.1	441.3	444.6	450.4	458.8
47.5°	475.9	473.8	469.2	468.2	475.0	473.4	460.0	457.1	460.2	461.9	466.7
50°	488.8	488.8	489.4	490.3	497.4	495.7	486.3	483.0	479.0	473.2	474.6
52.5°	525.1	526.6	532.6	539.3	552.2	557.6	542.4	523.0	504.0	491.3	491.3
55°	590.6	592.0	599.1	610.4	634.2	647.1	611.6	568.9	542.8	525.5	527.8
57.5°	626.7	628.3	642.9	673.4	719.5	741.4	665.2	601.8	565.3	545.5	547.2
58°	624.4	625.4	641.9	677.5	728.8	752.4	669.0	600.8	562.4	542.2	544.3
60°	554.7	553.3	579.5	630.4	702.8	735.3	631.7	548.5	503.8	483.2	484.2
62.5°	362.6	363.5	386.2	439.4	495.7	526.3	441.3	379.3	343.5	330.9	327.8
65°	151.4	148.7	162.7	192.3	226.1	243.2	209.0	176.8	154.7	146.4	148.7
67.5°	39.0	38.0	38.8	48.6	59.4	70.3	59.0	45.0	39.2	39.6	39.6
70°	22.1	20.9	16.9	15.6	15.2	15.2	15.2	15.2	17.5	20.6	21.3
72.5°	16.7	15.6	12.3	10.6	9.4	8.8	9.2	10.6	12.7	15.4	15.8
75°	8.3	8.3	7.5	7.1	6.3	5.8	6.0	6.7	7.7	8.8	8.6
77.5°	1.7	1.9	2.1	2.5	2.1	2.1	2.1	2.5	2.5	2.7	2.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)