

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: P628890

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

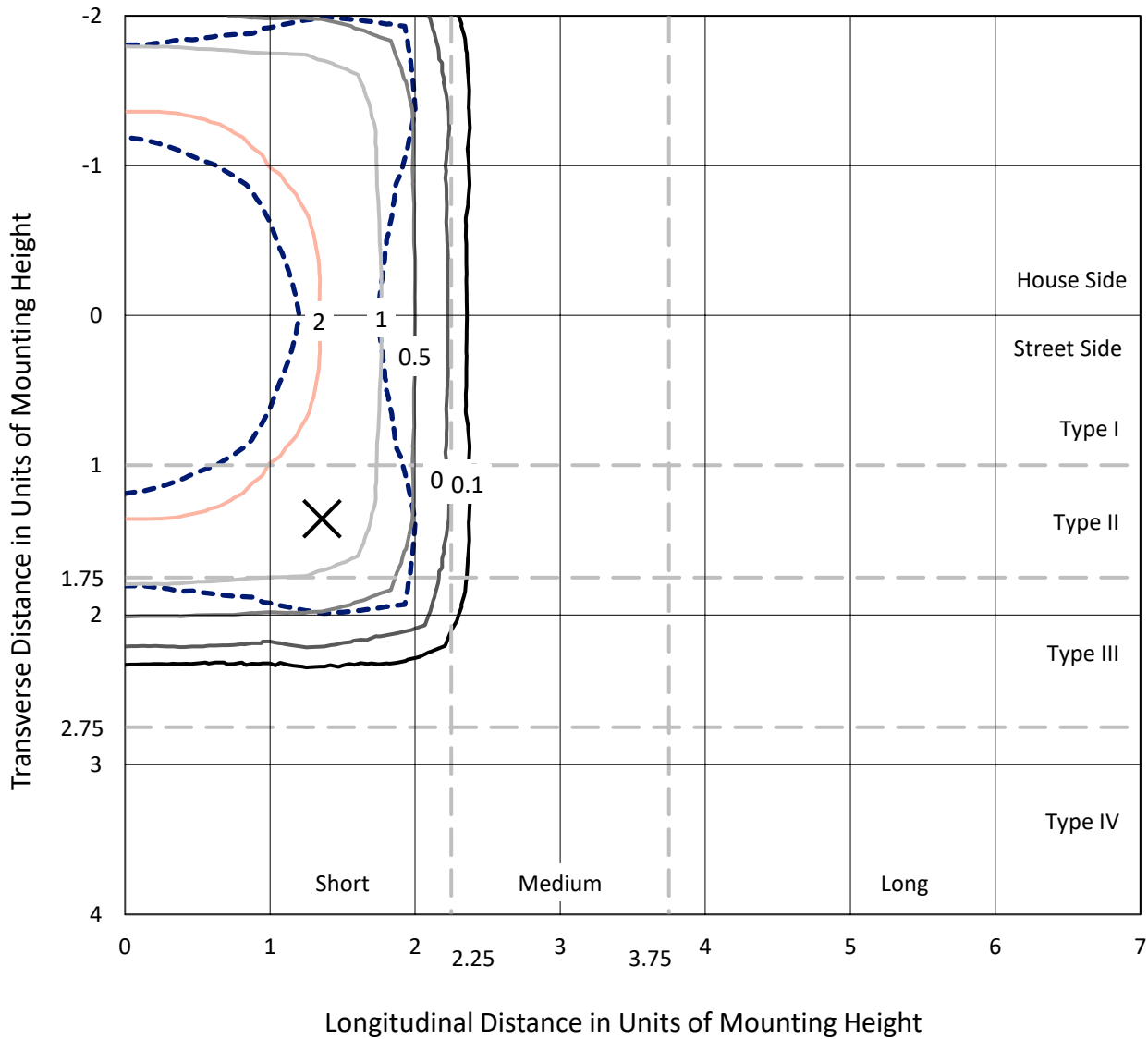
Lumens per Lamp: N/A  
Luminaire Lumens: 3040.4 lumens  
Efficiency: N/A  
Efficacy: 154.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

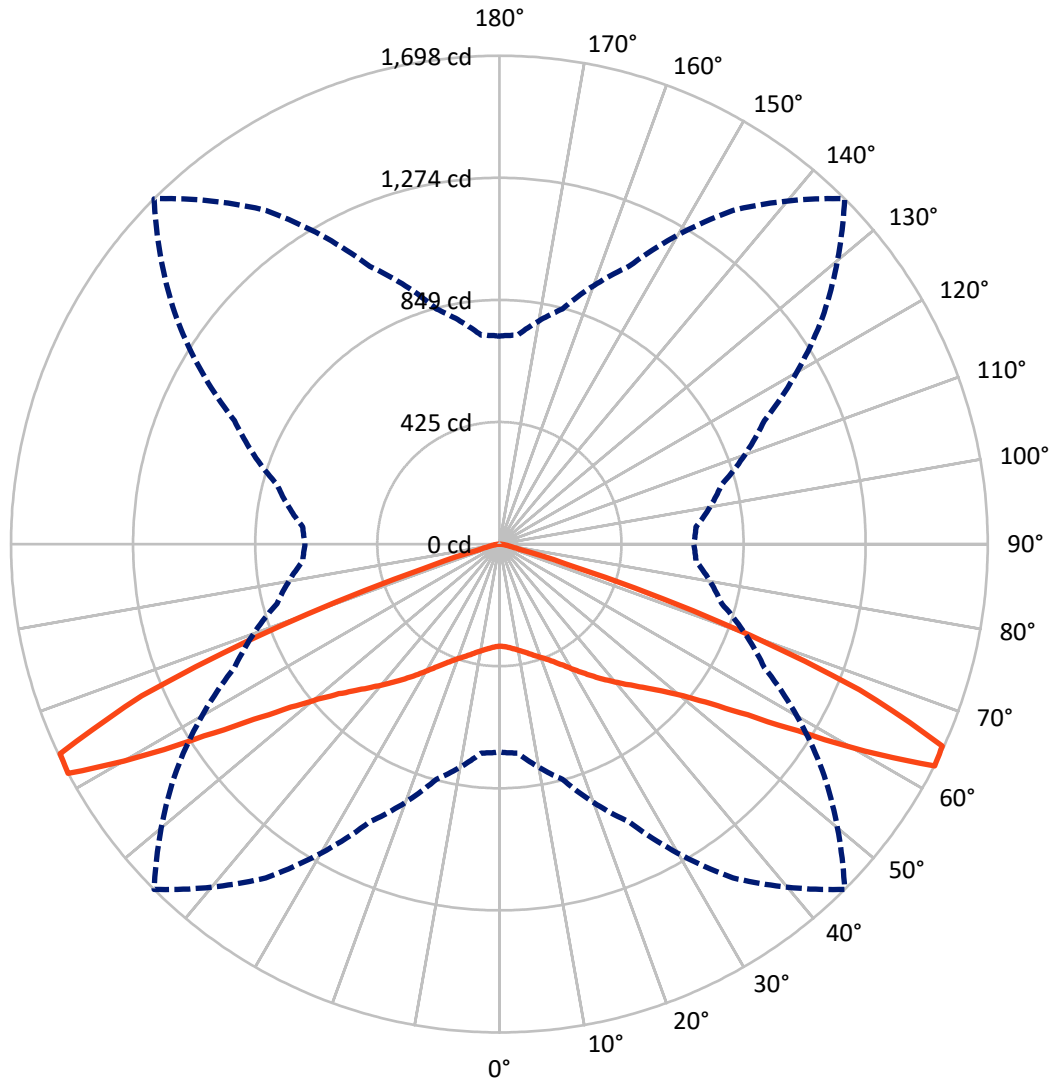
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1520.2	0.0	1520.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1520.2	0.0	1520.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3040.4	0.0	3040.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.8	1.1
10°-20°	112.2	3.7
20°-30°	212.3	7.0
30°-40°	357.4	11.8
40°-50°	571.0	18.8
50°-60°	920.4	30.3
60°-70°	750.9	24.7
70°-80°	72.9	2.4
80°-90°	8.5	0.3
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°	3040.4	100.0
0°-180°	3040.4	100.0

**Coefficient of Utilization**



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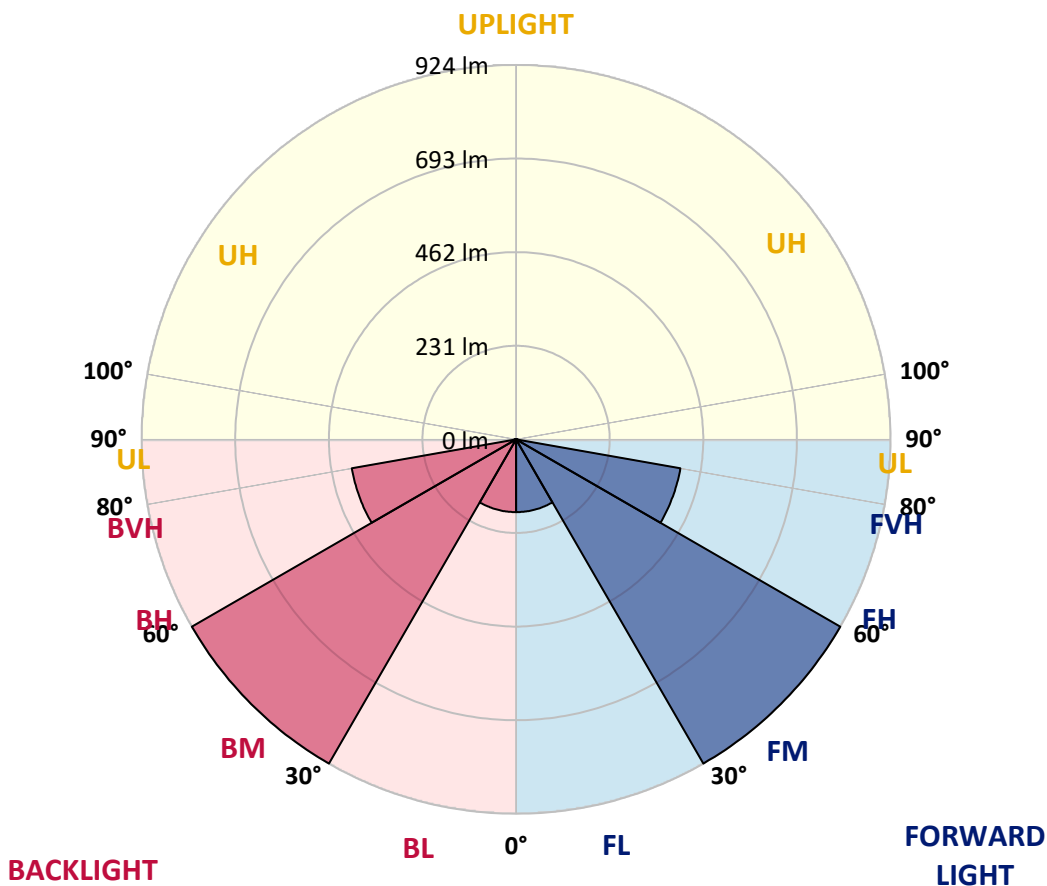
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.7	5.9			
FM (30°-60°)	924.4	30.4			
FH (60°-80°)	411.9	13.5			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	179.7	5.9	B1/500		
BM (30°-60°)	924.4	30.4	B1/1000		
BH (60°-80°)	411.9	13.5	B1/500		G0/660
BVH (80°-90°)	4.2	0.1			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°	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7	354.7
2.5°	354.3	354.3	355.1	355.7	355.3	357.0	356.8	356.4	356.2	355.5	357.4
5°	359.1	359.1	359.7	360.3	359.3	361.4	360.5	360.1	359.9	359.1	360.8
7.5°	364.5	365.1	365.3	366.4	365.8	368.0	367.4	366.6	366.2	365.1	366.6
10°	370.6	371.0	371.2	373.1	373.3	376.0	375.3	374.3	373.5	372.4	374.5
12.5°	378.7	378.9	379.5	381.8	382.4	384.5	384.3	382.9	381.8	380.4	382.6
15°	389.1	389.3	390.4	392.7	393.7	396.2	395.4	393.1	391.6	389.9	391.8
17.5°	400.0	400.8	401.8	404.1	405.6	408.5	407.5	405.0	403.7	402.0	403.3
20°	413.9	414.1	414.8	417.3	418.3	421.6	421.8	419.3	418.7	417.1	418.9
22.5°	429.4	429.6	430.2	432.9	434.8	436.9	438.1	436.7	435.6	433.5	435.8
25°	446.5	448.5	449.2	452.5	454.6	455.8	457.3	456.7	455.2	452.7	453.8
27.5°	470.4	470.9	471.9	475.6	476.9	478.2	479.6	479.8	477.7	474.8	476.3
30°	497.8	497.5	499.8	502.8	503.8	504.8	506.9	508.2	505.5	502.3	503.8
32.5°	525.7	528.2	531.1	533.8	533.2	533.6	537.0	539.2	535.5	529.9	531.1
35°	557.2	558.9	562.6	566.6	565.7	565.1	567.2	569.5	564.3	557.0	558.9
37.5°	589.5	592.0	597.6	602.4	601.2	598.3	600.6	603.1	598.1	589.7	588.9
40°	625.6	629.5	637.7	641.6	638.3	632.7	636.6	642.7	637.7	628.1	625.8
42.5°	667.9	672.7	680.8	686.9	679.6	670.4	677.1	685.8	684.6	671.9	667.9
45°	720.3	723.4	733.4	736.3	725.5	712.7	724.8	738.2	735.1	721.3	716.1
47.5°	777.2	782.0	790.7	796.2	778.6	762.8	779.7	797.6	794.3	781.3	775.3
50°	849.7	856.0	867.5	872.1	847.9	829.7	851.4	874.1	867.7	850.4	842.4
52.5°	928.8	933.8	953.4	962.6	939.8	920.2	939.2	961.5	947.8	924.8	914.2
55°	998.4	1003.4	1032.2	1062.7	1061.6	1048.1	1057.6	1058.1	1020.7	982.8	971.5
57.5°	1013.4	1018.4	1073.3	1152.9	1209.2	1224.9	1196.7	1137.5	1043.5	976.9	964.2
60°	933.4	939.0	1026.2	1171.7	1356.9	1461.4	1331.7	1135.8	973.2	883.1	871.0
62.5°	723.2	729.2	846.4	1064.9	1416.5	1698.0	1370.9	1016.4	800.5	686.5	675.8
65°	345.3	345.3	494.2	763.8	1297.7	1692.4	1257.4	751.9	481.9	370.1	361.0
67.5°	85.5	85.9	127.2	297.4	882.7	1350.6	897.1	361.0	169.7	120.1	117.0
70°	53.4	53.2	59.0	80.5	308.8	819.7	366.8	108.9	69.0	60.9	60.5
72.5°	41.5	41.5	44.4	51.5	80.9	279.2	107.0	60.5	50.0	45.0	45.0
75°	32.7	32.7	34.8	38.6	47.8	71.9	56.9	44.8	38.8	35.4	35.0
77.5°	24.4	24.8	26.5	29.0	32.5	40.5	36.1	33.8	30.2	27.7	26.9
80°	15.8	16.5	18.6	20.0	21.3	26.7	23.6	24.6	22.9	20.0	19.6
82.5°	8.5	8.8	11.3	11.7	12.1	14.6	15.0	15.6	16.3	12.7	11.9
85°	3.1	3.1	3.8	4.4	4.8	5.2	7.1	8.8	9.2	7.3	7.1
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.3	2.3	3.8	2.9	2.9
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)