

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: P629110

Luminaire Tested: GWS-SA1B-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629110
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-SA1B-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2759.3 lumens
Efficiency: N/A
Efficacy: 110.4 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

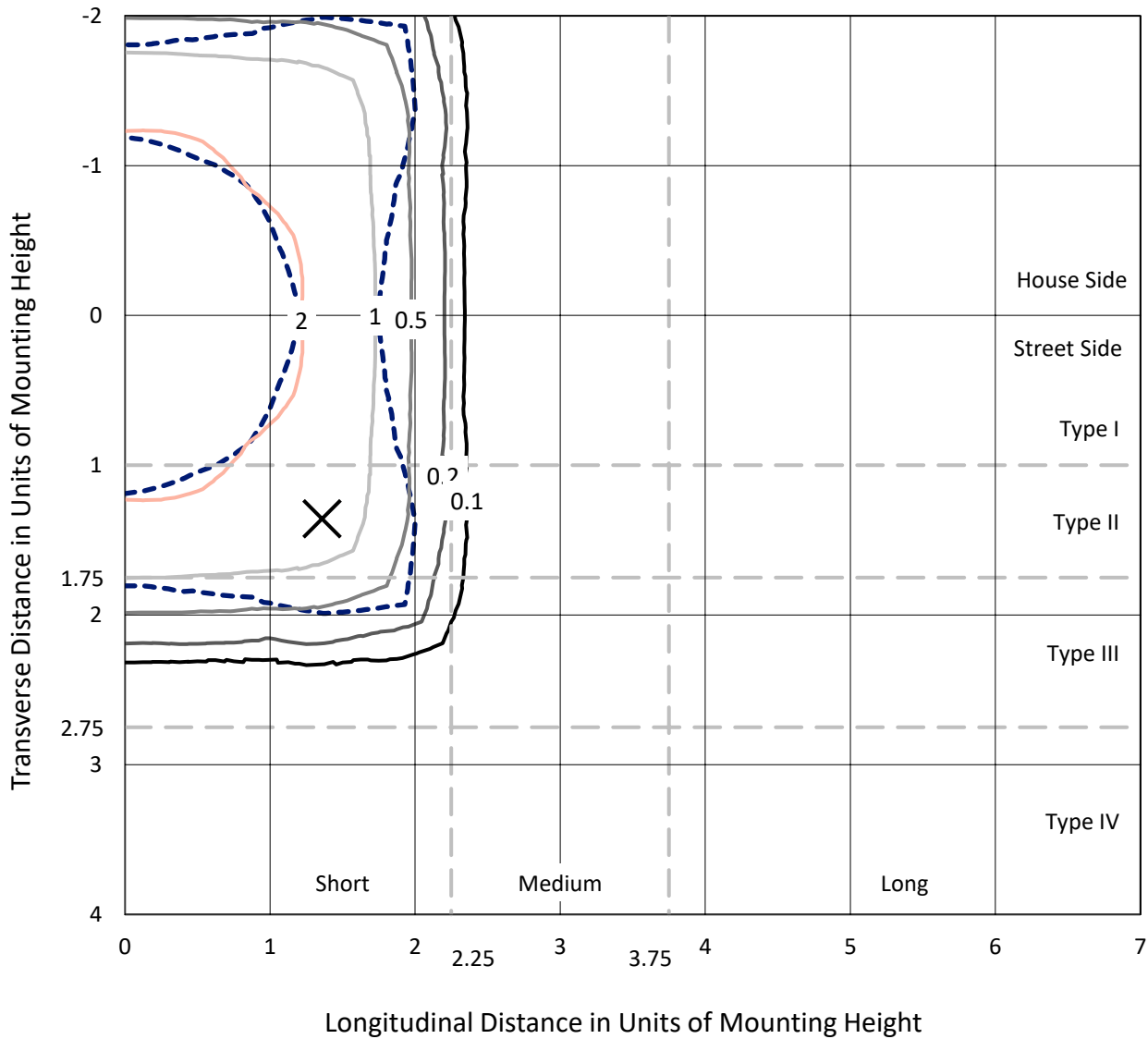
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

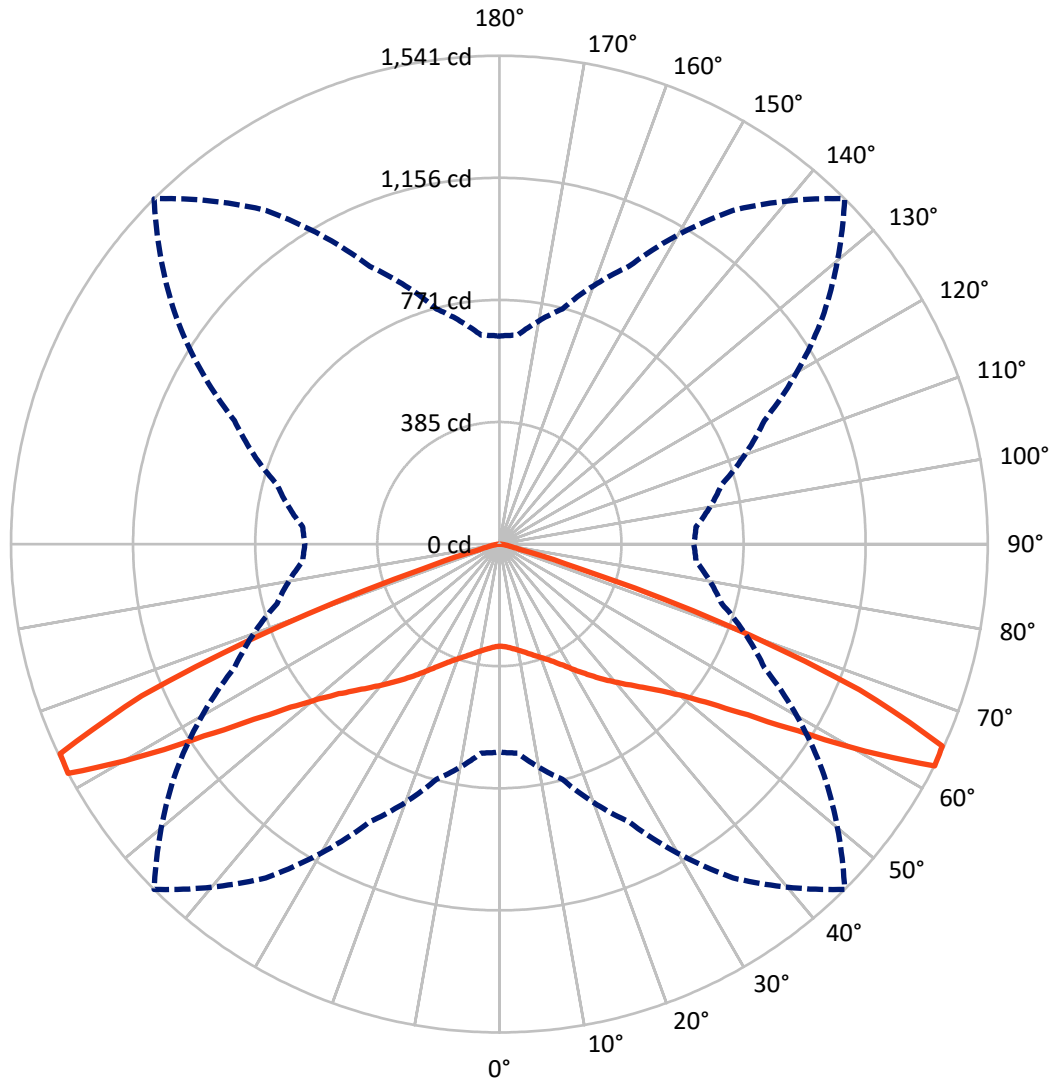
✕ Max cd
 - - - 1/2 Max cd



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 62.5-Deg Vertical

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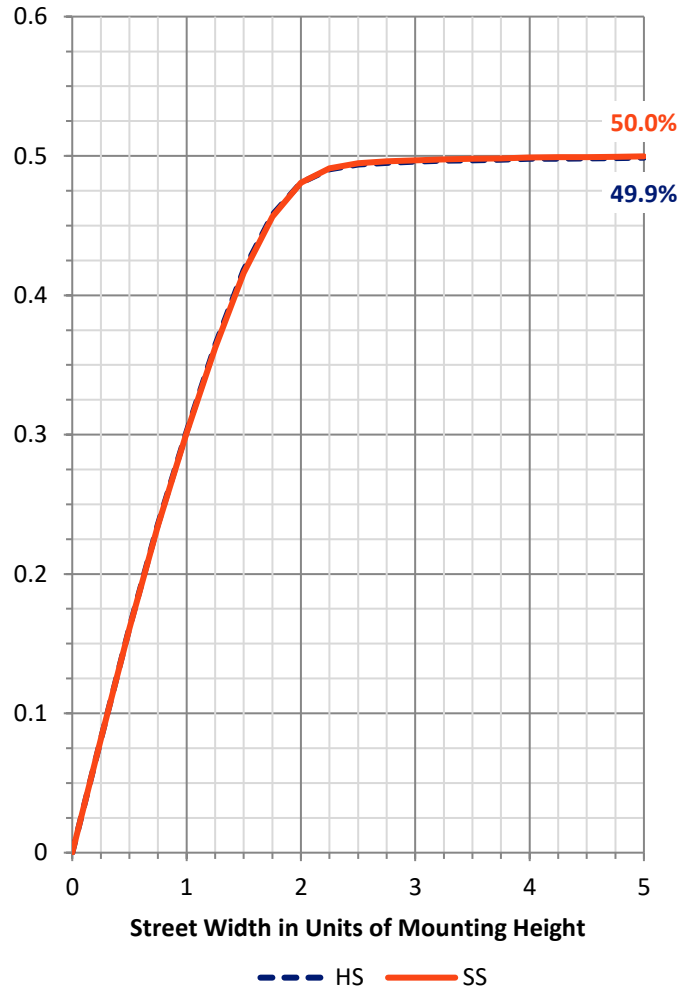
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.6	0.0	1379.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1379.6	0.0	1379.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2759.3	0.0	2759.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	1.1
10°-20°	101.9	3.7
20°-30°	192.7	7.0
30°-40°	324.3	11.8
40°-50°	518.2	18.8
50°-60°	835.3	30.3
60°-70°	681.5	24.7
70°-80°	66.2	2.4
80°-90°	7.7	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°	2759.3	100.0
0°-180°	2759.3	100.0

Coefficient of Utilization



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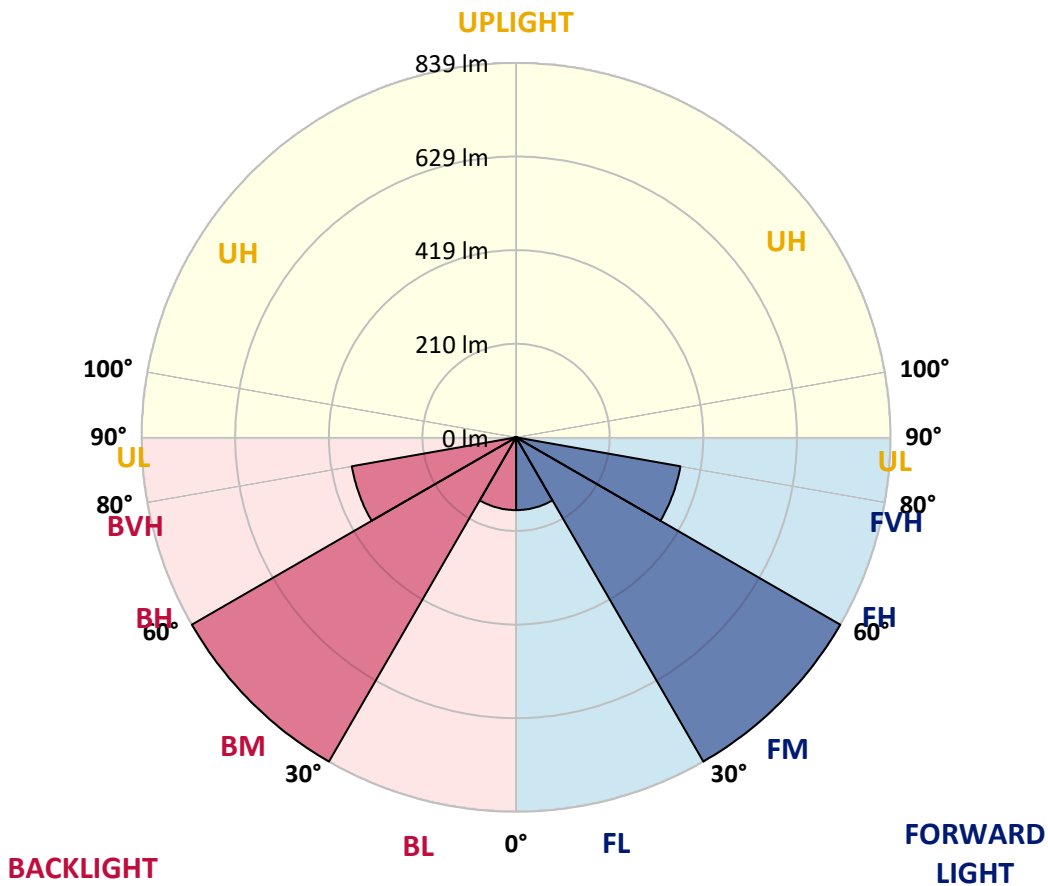
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.1	5.9			
FM (30°-60°)	838.9	30.4			
FH (60°-80°)	373.8	13.5			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	163.1	5.9	B1/500		
BM (30°-60°)	838.9	30.4	B1/1000		
BH (60°-80°)	373.8	13.5	B1/500		G0/660
BVH (80°-90°)	3.8	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°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
2.5°	321.5	321.5	322.3	322.9	322.5	324.0	323.8	323.4	323.2	322.7	324.4
5°	325.9	325.9	326.5	327.0	326.1	328.0	327.2	326.8	326.6	325.9	327.4
7.5°	330.8	331.4	331.6	332.5	331.9	334.0	333.5	332.7	332.3	331.4	332.7
10°	336.3	336.7	336.9	338.6	338.8	341.2	340.6	339.7	338.9	338.0	339.9
12.5°	343.7	343.9	344.4	346.5	347.1	349.0	348.8	347.5	346.5	345.2	347.3
15°	353.1	353.3	354.3	356.4	357.3	359.6	358.8	356.7	355.4	353.9	355.6
17.5°	363.0	363.7	364.7	366.8	368.1	370.7	369.8	367.5	366.4	364.9	366.0
20°	375.7	375.8	376.4	378.7	379.6	382.7	382.8	380.6	380.0	378.5	380.2
22.5°	389.7	389.8	390.4	392.9	394.6	396.5	397.6	396.3	395.3	393.4	395.5
25°	405.2	407.1	407.6	410.7	412.6	413.7	415.0	414.5	413.1	410.9	411.8
27.5°	426.9	427.3	428.3	431.7	432.8	433.9	435.3	435.5	433.6	430.9	432.2
30°	451.7	451.5	453.6	456.3	457.2	458.2	460.1	461.2	458.7	455.9	457.2
32.5°	477.1	479.4	482.0	484.5	483.9	484.3	487.3	489.4	486.0	480.9	482.0
35°	505.7	507.2	510.6	514.2	513.4	512.9	514.8	516.8	512.1	505.5	507.2
37.5°	535.0	537.3	542.4	546.7	545.6	543.0	545.0	547.3	542.8	535.2	534.4
40°	567.7	571.3	578.7	582.3	579.3	574.2	577.8	583.3	578.7	570.0	567.9
42.5°	606.2	610.5	617.9	623.4	616.8	608.4	614.5	622.4	621.3	609.8	606.2
45°	653.7	656.5	665.6	668.2	658.4	646.8	657.8	669.9	667.1	654.6	649.9
47.5°	705.3	709.7	717.6	722.5	706.6	692.3	707.6	723.9	720.8	709.1	703.6
50°	771.2	776.9	787.3	791.4	769.5	753.0	772.7	793.3	787.5	771.8	764.6
52.5°	842.9	847.4	865.2	873.6	852.9	835.1	852.4	872.6	860.1	839.3	829.7
55°	906.1	910.7	936.8	964.4	963.5	951.2	959.9	960.2	926.4	891.9	881.7
57.5°	919.7	924.3	974.1	1046.3	1097.4	1111.6	1086.1	1032.3	947.0	886.6	875.1
60°	847.1	852.2	931.3	1063.4	1231.4	1326.2	1208.5	1030.8	883.2	801.5	790.5
62.5°	656.3	661.8	768.2	966.5	1285.6	1541.0	1244.1	922.4	726.5	623.0	613.4
65°	313.4	313.4	448.5	693.2	1177.7	1535.9	1141.2	682.4	437.4	335.9	327.6
67.5°	77.6	78.0	115.4	269.9	801.1	1225.8	814.1	327.6	154.0	109.0	106.2
70°	48.4	48.3	53.6	73.0	280.3	743.9	332.9	98.8	62.6	55.3	54.9
72.5°	37.7	37.7	40.3	46.7	73.4	253.4	97.1	54.9	45.4	40.9	40.9
75°	29.7	29.7	31.6	35.0	43.3	65.3	51.7	40.7	35.2	32.2	31.8
77.5°	22.1	22.5	24.0	26.3	29.5	36.7	32.7	30.7	27.4	25.2	24.4
80°	14.4	15.0	16.8	18.2	19.3	24.2	21.4	22.3	20.8	18.2	17.8
82.5°	7.8	7.9	10.2	10.6	11.0	13.2	13.6	14.2	14.8	11.5	10.8
85°	2.8	2.8	3.4	4.0	4.4	4.7	6.4	7.9	8.3	6.6	6.4
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.1	2.1	3.4	2.6	2.6
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)