

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: P629275

Luminaire Tested: GWS-SA1B-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629275
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-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3694.7 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

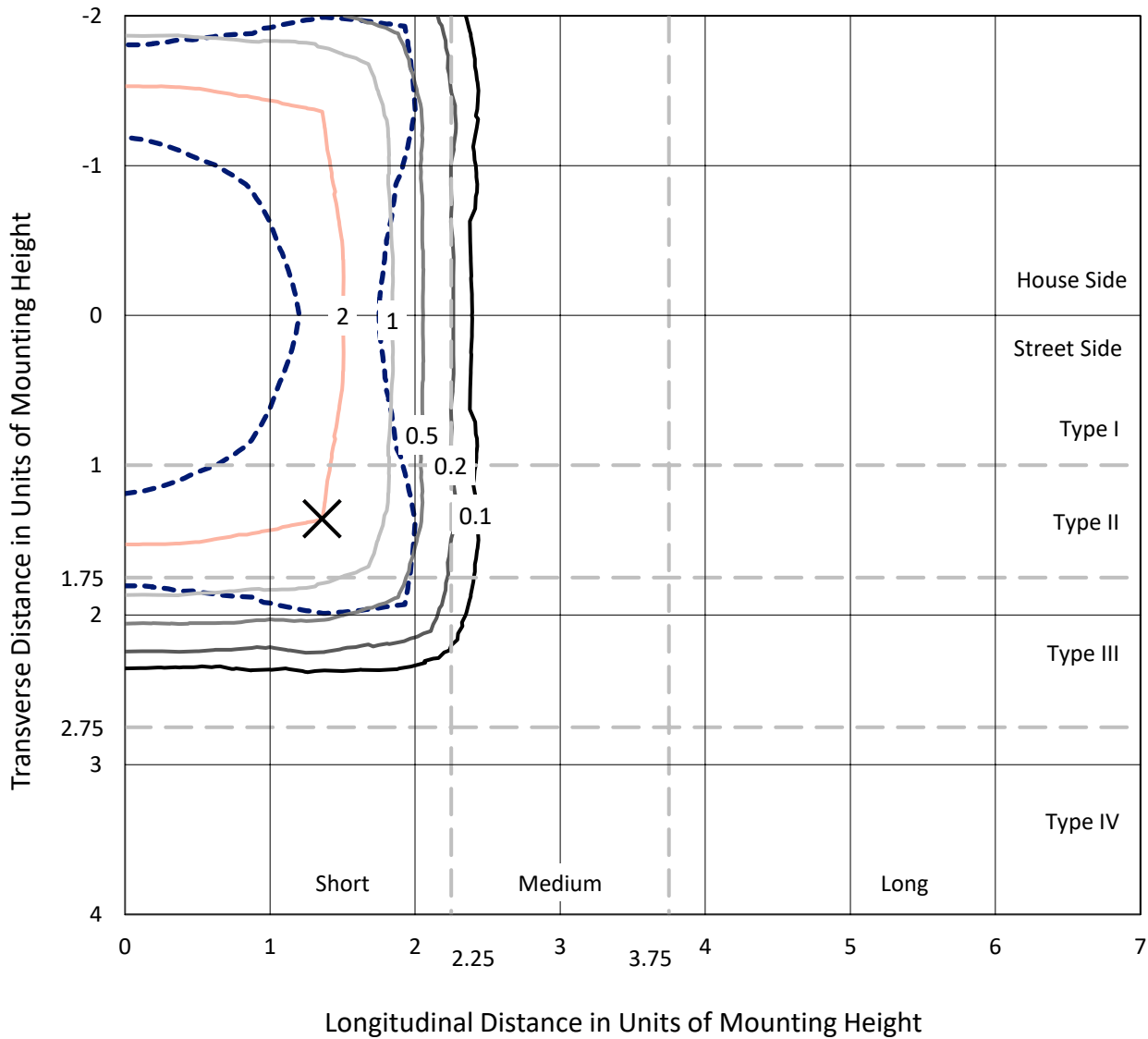
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

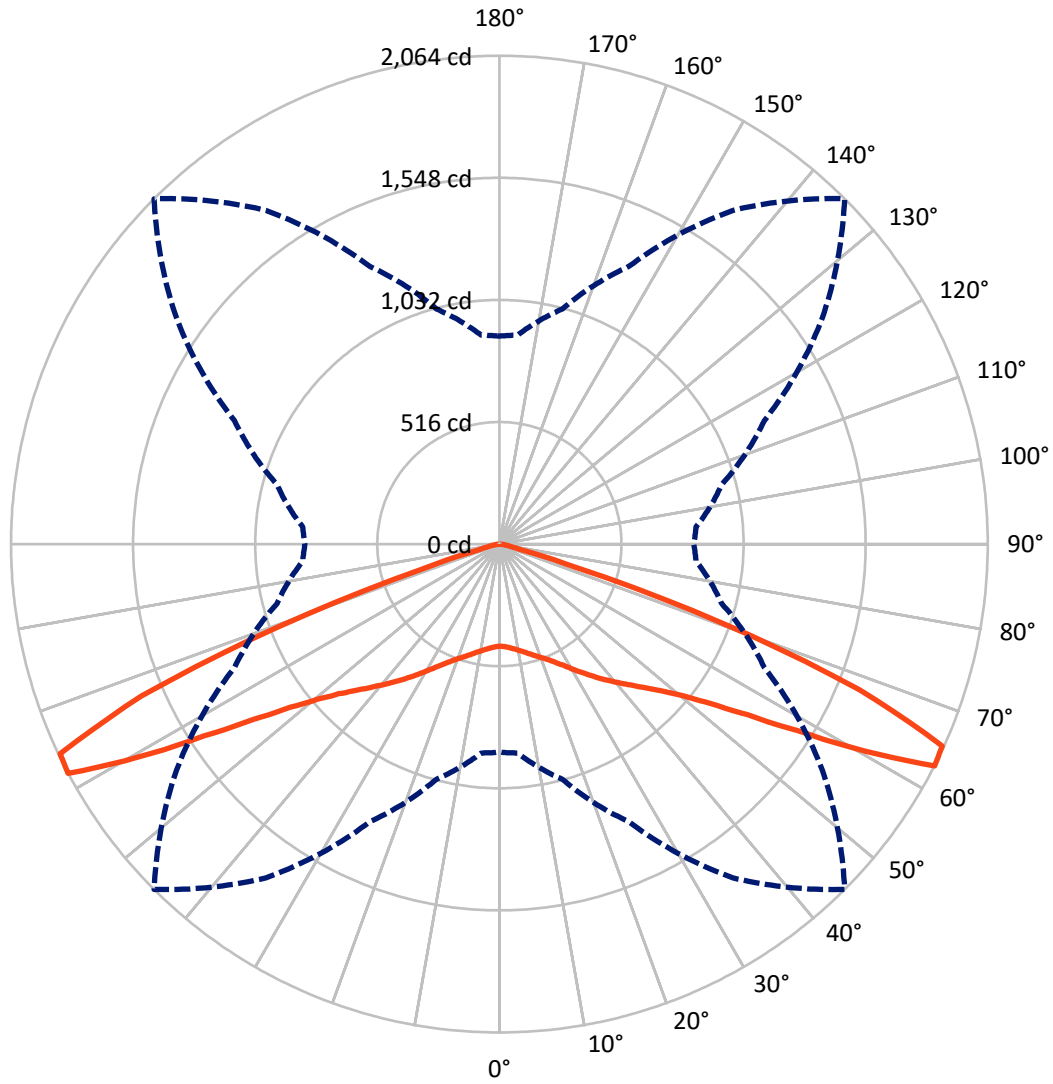
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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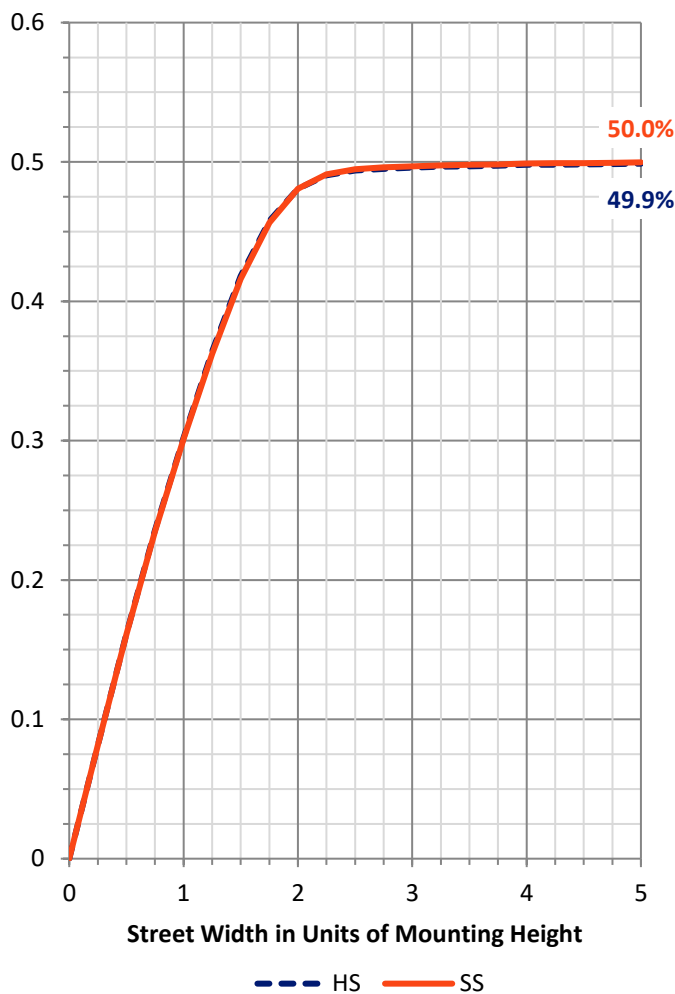
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1847.3	0.0	1847.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1847.3	0.0	1847.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3694.7	0.0	3694.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.1
10°-20°	136.4	3.7
20°-30°	258.0	7.0
30°-40°	434.3	11.8
40°-50°	693.8	18.8
50°-60°	1118.4	30.3
60°-70°	912.5	24.7
70°-80°	88.6	2.4
80°-90°	10.3	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°	3694.7	100.0
0°-180°	3694.7	100.0

Coefficient of Utilization



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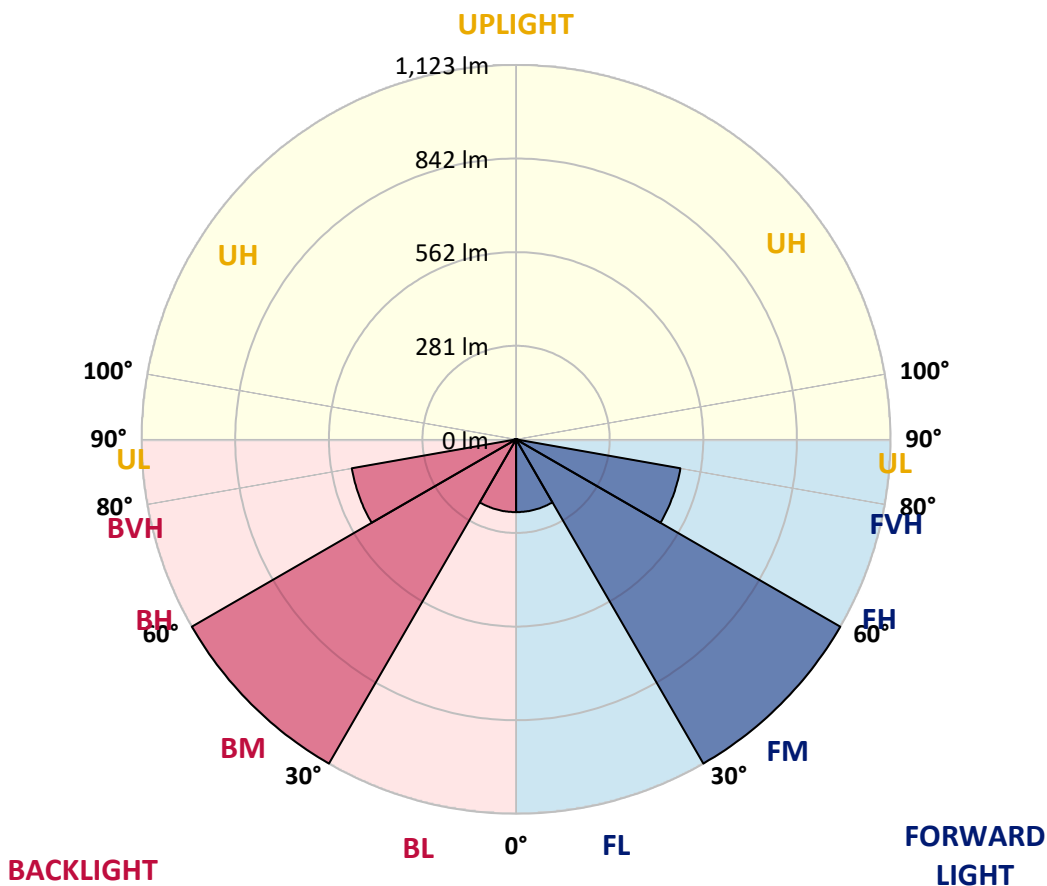
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.3	5.9			
FM (30°-60°)	1123.3	30.4			
FH (60°-80°)	500.6	13.5			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	218.3	5.9	B1/500		
BM (30°-60°)	1123.3	30.4	B2/2500		
BH (60°-80°)	500.6	13.5	B2/1000		G0/660
BVH (80°-90°)	5.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0	431.0
2.5°	430.5	430.5	431.5	432.3	431.8	433.8	433.6	433.1	432.8	432.1	434.3
5°	436.4	436.4	437.1	437.9	436.6	439.1	438.1	437.6	437.4	436.4	438.4
7.5°	442.9	443.7	444.0	445.2	444.5	447.3	446.5	445.5	445.0	443.7	445.5
10°	450.3	450.8	451.1	453.3	453.6	456.9	456.1	454.9	453.8	452.6	455.1
12.5°	460.2	460.4	461.2	464.0	464.7	467.3	467.0	465.2	464.0	462.2	465.0
15°	472.8	473.1	474.4	477.2	478.4	481.5	480.4	477.7	475.9	473.9	476.1
17.5°	486.0	487.0	488.3	491.1	492.9	496.4	495.1	492.1	490.6	488.6	490.1
20°	503.0	503.3	504.0	507.1	508.3	512.4	512.6	509.6	508.8	506.8	509.1
22.5°	521.8	522.0	522.8	526.1	528.3	530.9	532.4	530.6	529.4	526.8	529.6
25°	542.5	545.1	545.8	549.9	552.4	553.9	555.7	555.0	553.2	550.1	551.4
27.5°	571.7	572.2	573.4	578.0	579.5	581.1	582.8	583.1	580.5	577.0	578.8
30°	604.9	604.6	607.4	611.0	612.2	613.5	616.0	617.5	614.2	610.4	612.2
32.5°	638.8	641.9	645.4	648.7	647.9	648.5	652.5	655.3	650.7	643.9	645.4
35°	677.1	679.1	683.7	688.5	687.5	686.7	689.3	692.0	685.7	676.8	679.1
37.5°	716.4	719.4	726.2	732.1	730.6	727.0	729.8	732.8	726.8	716.6	715.6
40°	760.2	765.0	774.9	779.7	775.7	768.8	773.6	781.0	774.9	763.2	760.5
42.5°	811.6	817.5	827.4	834.7	825.8	814.7	822.8	833.4	831.9	816.5	811.6
45°	875.3	879.1	891.2	894.8	881.6	866.1	880.8	897.0	893.2	876.5	870.2
47.5°	944.4	950.3	960.9	967.5	946.2	926.9	947.5	969.3	965.2	949.5	942.1
50°	1032.6	1040.2	1054.2	1059.7	1030.3	1008.3	1034.6	1062.3	1054.4	1033.4	1023.7
52.5°	1128.7	1134.7	1158.6	1169.7	1142.1	1118.3	1141.3	1168.4	1151.7	1123.8	1110.9
55°	1213.3	1219.4	1254.3	1291.3	1290.1	1273.6	1285.3	1285.8	1240.4	1194.3	1180.6
57.5°	1231.5	1237.6	1304.3	1401.1	1469.5	1488.5	1454.3	1382.3	1268.0	1187.2	1171.7
60°	1134.2	1141.1	1247.0	1423.9	1648.9	1775.8	1618.2	1380.3	1182.6	1073.2	1058.5
62.5°	878.8	886.1	1028.6	1294.1	1721.4	2063.5	1665.9	1235.1	972.8	834.2	821.3
65°	419.6	419.6	600.6	928.2	1576.9	2056.6	1528.0	913.8	585.6	449.8	438.6
67.5°	103.9	104.4	154.6	361.4	1072.7	1641.3	1090.1	438.6	206.3	146.0	142.2
70°	64.9	64.6	71.7	97.8	375.3	996.1	445.7	132.3	83.9	74.0	73.5
72.5°	50.4	50.4	54.0	62.6	98.3	339.3	130.0	73.5	60.8	54.7	54.7
75°	39.8	39.8	42.3	46.9	58.0	87.4	69.2	54.5	47.1	43.1	42.6
77.5°	29.6	30.2	32.2	35.2	39.5	49.2	43.8	41.1	36.7	33.7	32.7
80°	19.3	20.0	22.6	24.3	25.8	32.4	28.6	29.9	27.9	24.3	23.8
82.5°	10.4	10.6	13.7	14.2	14.7	17.7	18.2	19.0	19.8	15.5	14.4
85°	3.8	3.8	4.6	5.3	5.8	6.3	8.6	10.6	11.1	8.9	8.6
87.5°	0.8	0.8	0.8	0.5	0.5	0.5	1.5	2.8	4.6	3.5	3.5
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)