

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: P629270

Luminaire Tested: GWS-SA1B-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2159.8 lumens
Efficiency: N/A
Efficacy: 86.4 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

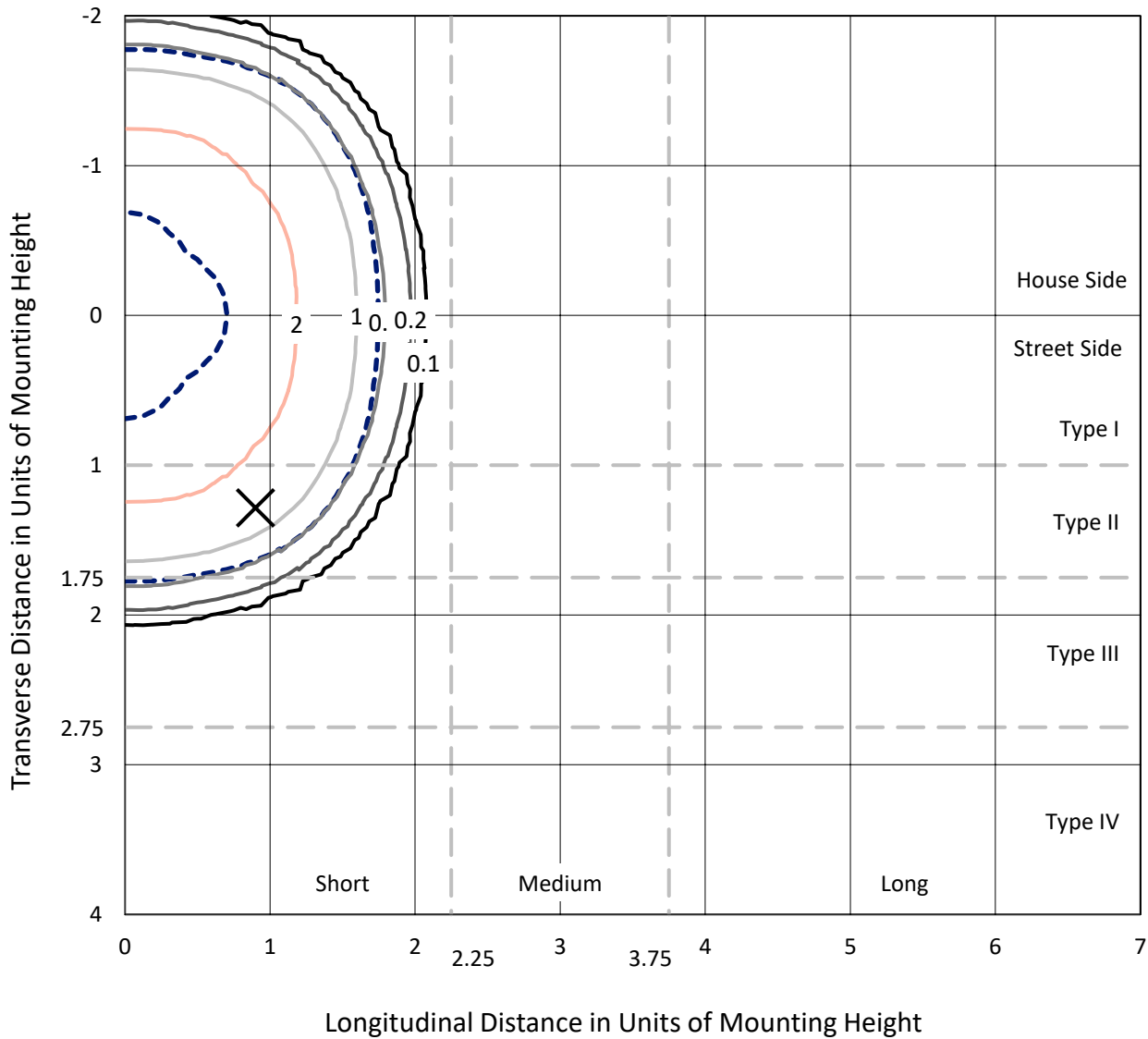
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

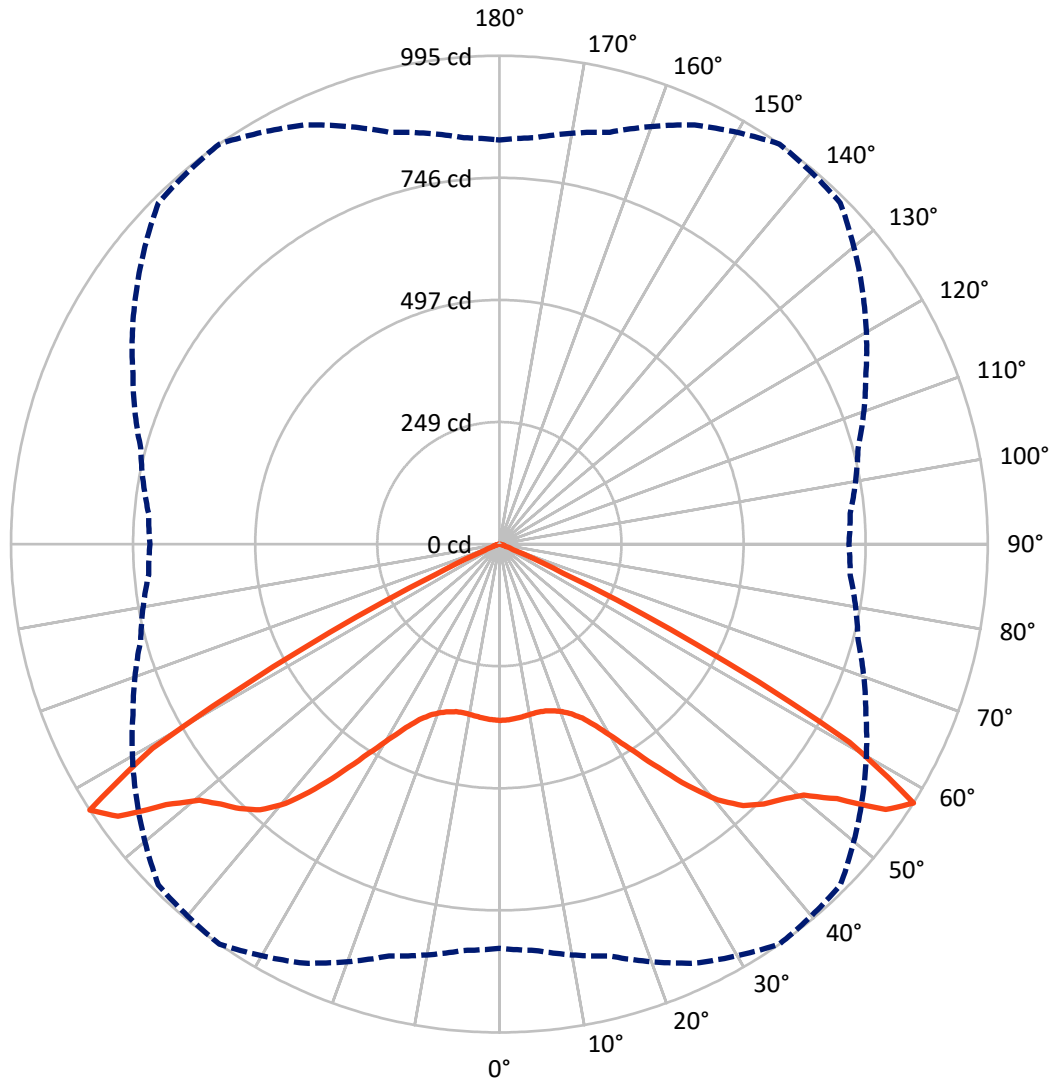
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1079.9	0.0	1079.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1079.9	0.0	1079.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2159.8	0.0	2159.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	1.6
10°-20°	99.5	4.6
20°-30°	179.9	8.3
30°-40°	335.6	15.5
40°-50°	563.0	26.1
50°-60°	743.4	34.4
60°-70°	197.4	9.1
70°-80°	7.0	0.3
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°	2159.8	100.0
0°-180°	2159.8	100.0

Coefficient of Utilization



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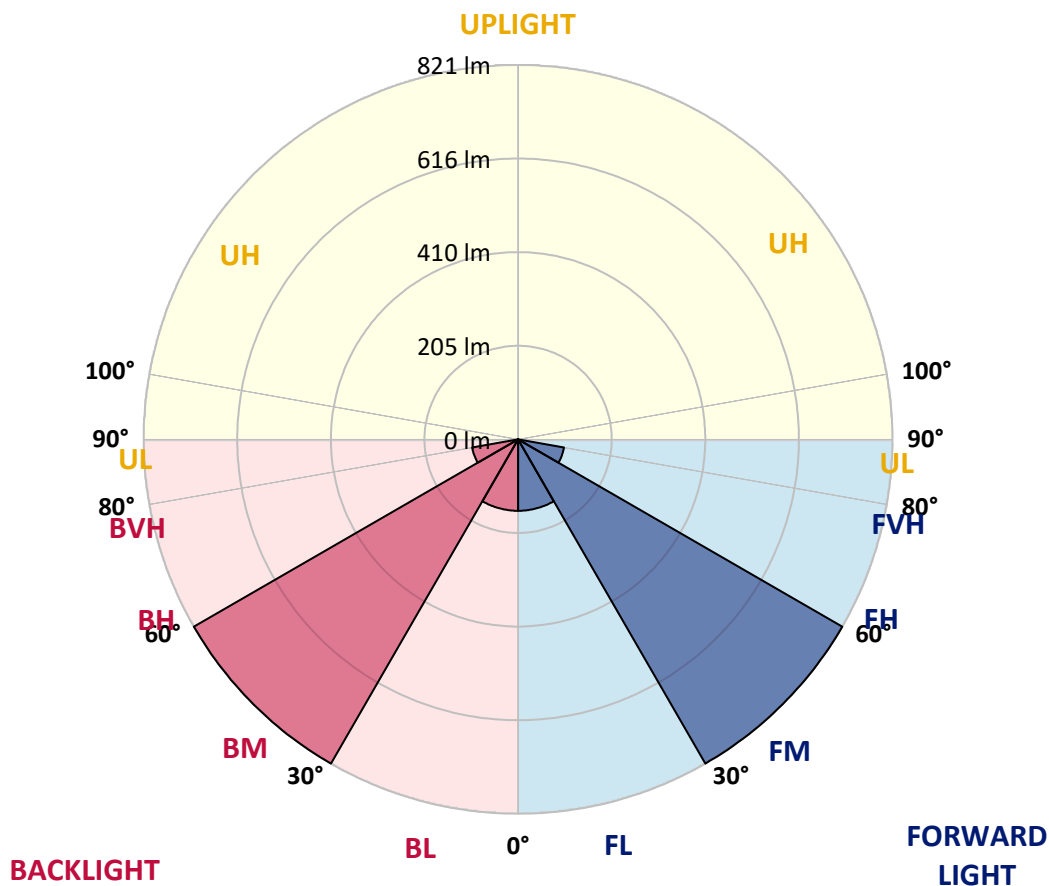
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.6	7.3			
FM (30°-60°)	821.0	38.0			
FH (60°-80°)	102.2	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	156.6	7.3	B1/500		
BM (30°-60°)	821.0	38.0	B1/1000		
BH (60°-80°)	102.2	4.7	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°	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1	359.1
2.5°	356.6	356.3	357.3	358.1	358.1	359.8	359.3	358.8	358.3	357.6	359.3
5°	356.0	355.8	356.6	357.1	356.6	358.1	357.1	356.0	355.5	354.5	356.6
7.5°	353.8	354.0	354.5	355.0	354.3	355.5	354.3	352.8	351.5	350.5	352.2
10°	350.2	350.5	351.0	352.0	352.2	354.0	352.2	349.5	347.7	346.2	347.9
12.5°	348.4	348.7	349.5	350.7	351.0	353.3	351.0	346.9	344.4	342.6	344.4
15°	348.9	349.5	350.5	352.0	352.5	354.8	351.7	346.4	342.9	340.6	342.1
17.5°	350.7	351.2	352.8	355.3	357.1	359.3	355.5	348.7	343.9	340.6	342.1
20°	353.0	353.8	356.3	360.4	364.2	368.2	363.4	354.0	347.7	343.6	344.9
22.5°	359.3	360.1	363.6	369.0	375.3	380.4	374.5	362.6	354.0	348.7	350.0
25°	372.3	373.0	377.6	384.4	392.5	399.1	391.8	376.8	365.7	359.6	360.1
27.5°	392.5	393.3	398.6	408.2	419.1	428.5	417.9	400.4	387.7	380.6	380.6
30°	418.1	419.1	426.2	439.2	456.1	468.6	454.1	432.8	416.6	407.0	407.2
32.5°	451.1	450.1	460.2	477.9	502.0	518.5	497.2	471.3	451.3	437.9	439.2
35°	493.4	493.1	504.5	528.6	560.0	579.8	554.5	521.0	496.9	483.3	483.5
37.5°	547.9	547.6	560.8	586.9	624.7	641.1	612.8	578.8	552.9	539.8	541.3
40°	611.7	610.2	621.9	647.0	684.7	695.4	664.4	637.1	612.2	603.9	607.9
42.5°	672.6	669.3	676.1	698.9	728.1	729.6	706.3	687.5	670.5	663.9	666.5
45°	721.5	718.9	725.3	738.4	755.2	747.6	736.4	730.6	716.9	709.8	712.1
47.5°	758.0	758.0	765.6	773.7	776.2	762.3	764.0	764.0	750.4	739.2	736.4
50°	789.4	791.7	803.1	811.4	803.1	785.3	795.5	793.4	765.6	743.3	737.4
52.5°	839.6	841.8	859.3	870.7	861.4	843.9	845.1	819.8	778.7	752.4	743.3
55°	892.8	898.3	923.7	954.1	954.4	936.4	902.9	858.1	808.1	779.5	770.1
57.5°	823.1	830.7	868.4	941.7	994.6	982.2	902.4	823.6	756.2	717.2	711.8
60°	566.4	579.6	617.3	717.4	819.5	824.4	730.1	641.6	564.4	516.2	517.2
62.5°	239.2	252.7	273.9	356.3	450.1	455.9	410.3	346.9	283.8	249.1	254.4
65°	56.3	60.1	66.4	98.6	142.9	149.5	137.9	107.4	79.3	67.2	68.4
67.5°	24.6	25.1	23.8	25.3	31.4	32.2	31.2	27.4	25.8	26.4	26.4
70°	17.2	17.5	16.5	15.7	15.0	13.9	14.4	16.0	17.2	18.2	18.0
72.5°	10.6	10.9	11.2	11.2	10.4	9.4	9.9	10.9	11.2	11.4	11.2
75°	5.3	5.6	6.1	6.3	6.1	5.8	5.8	6.1	6.1	5.8	5.8
77.5°	1.0	1.3	1.8	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)