

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: P629382

Luminaire Tested: GWS-SA1B-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3796.6 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

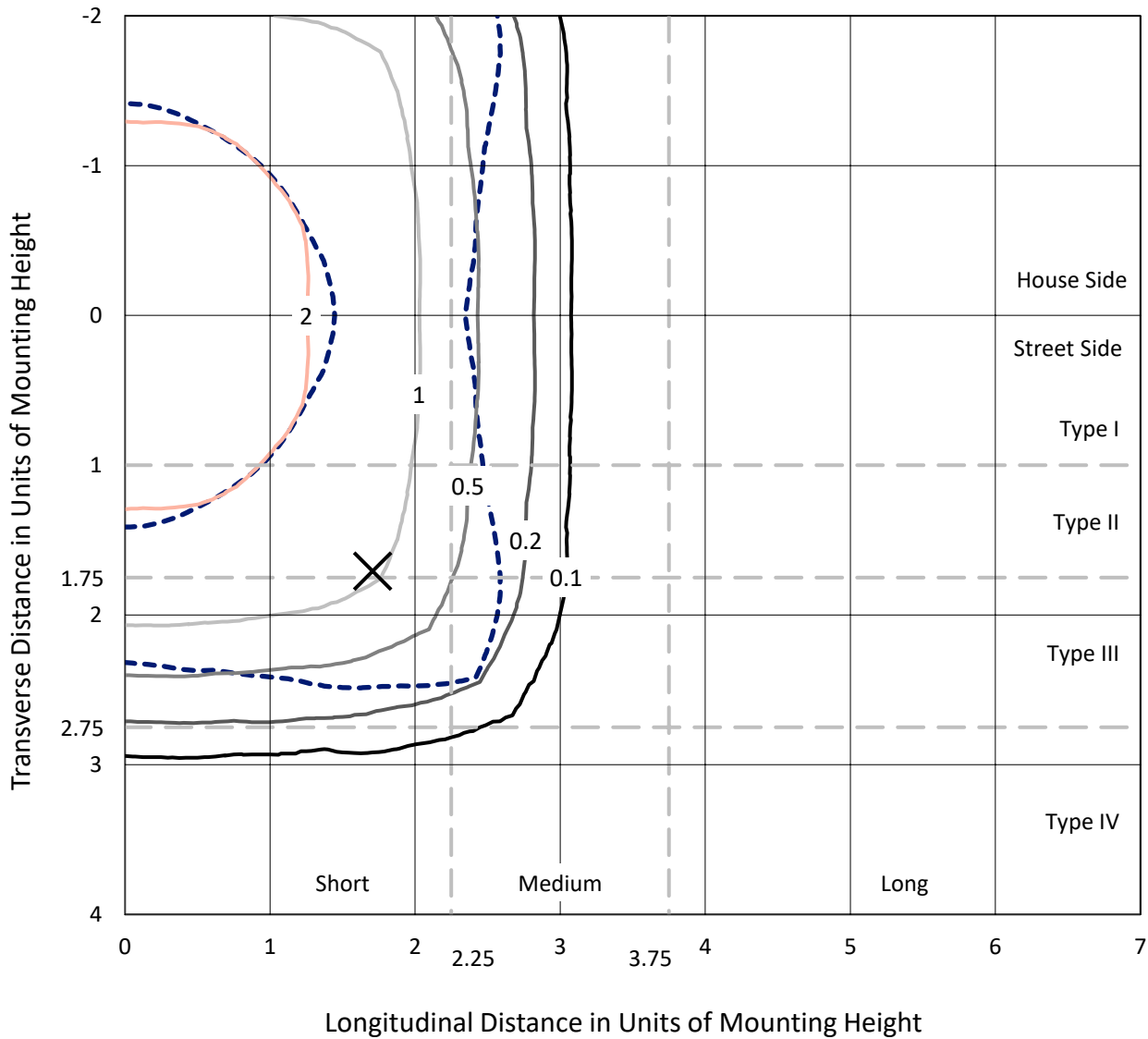
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

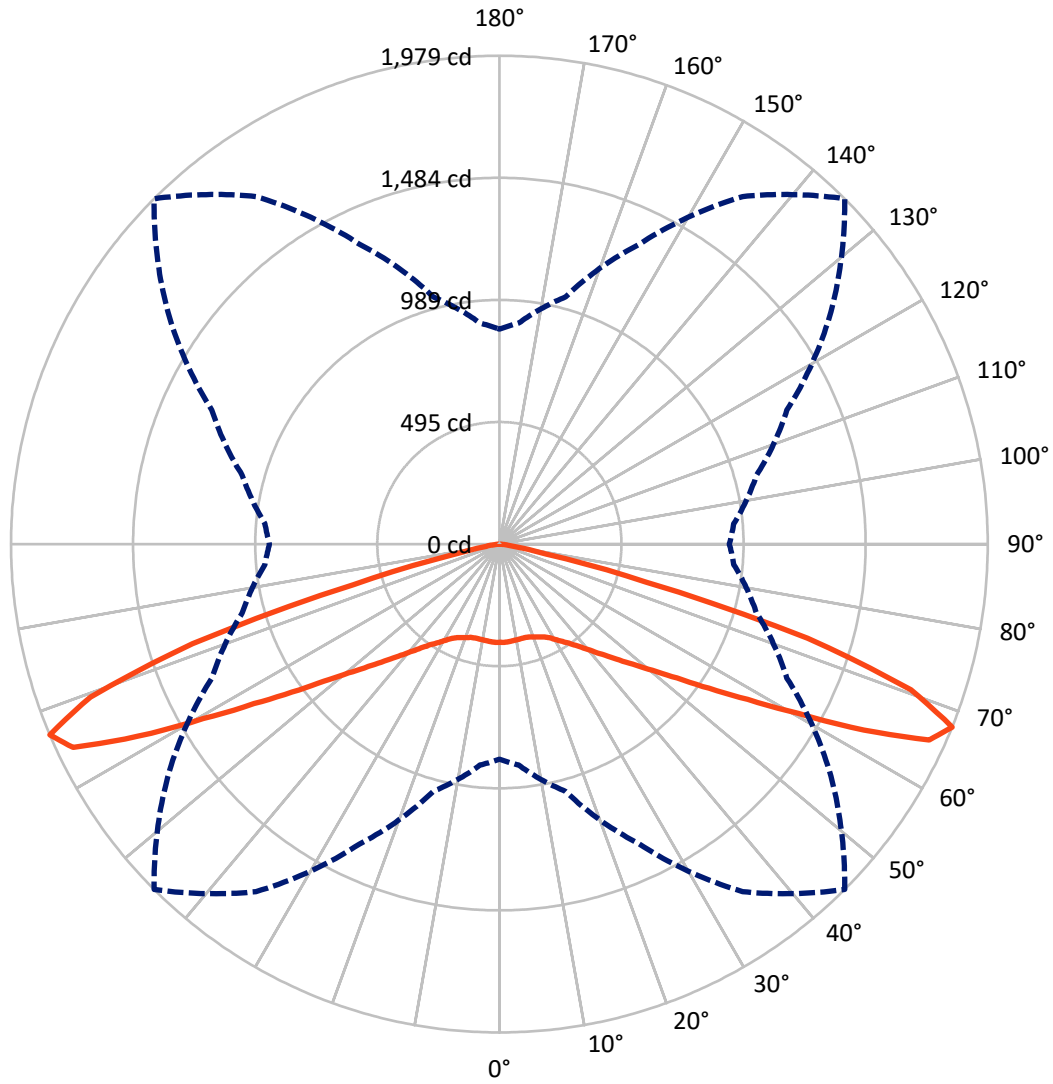
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1898.3	0.0	1898.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1898.3	0.0	1898.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3796.6	0.0	3796.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.0
10°-20°	110.5	2.9
20°-30°	190.6	5.0
30°-40°	310.0	8.2
40°-50°	522.0	13.7
50°-60°	924.8	24.4
60°-70°	1322.0	34.8
70°-80°	362.8	9.6
80°-90°	16.2	0.4
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°	3796.6	100.0
0°-180°	3796.6	100.0

Coefficient of Utilization



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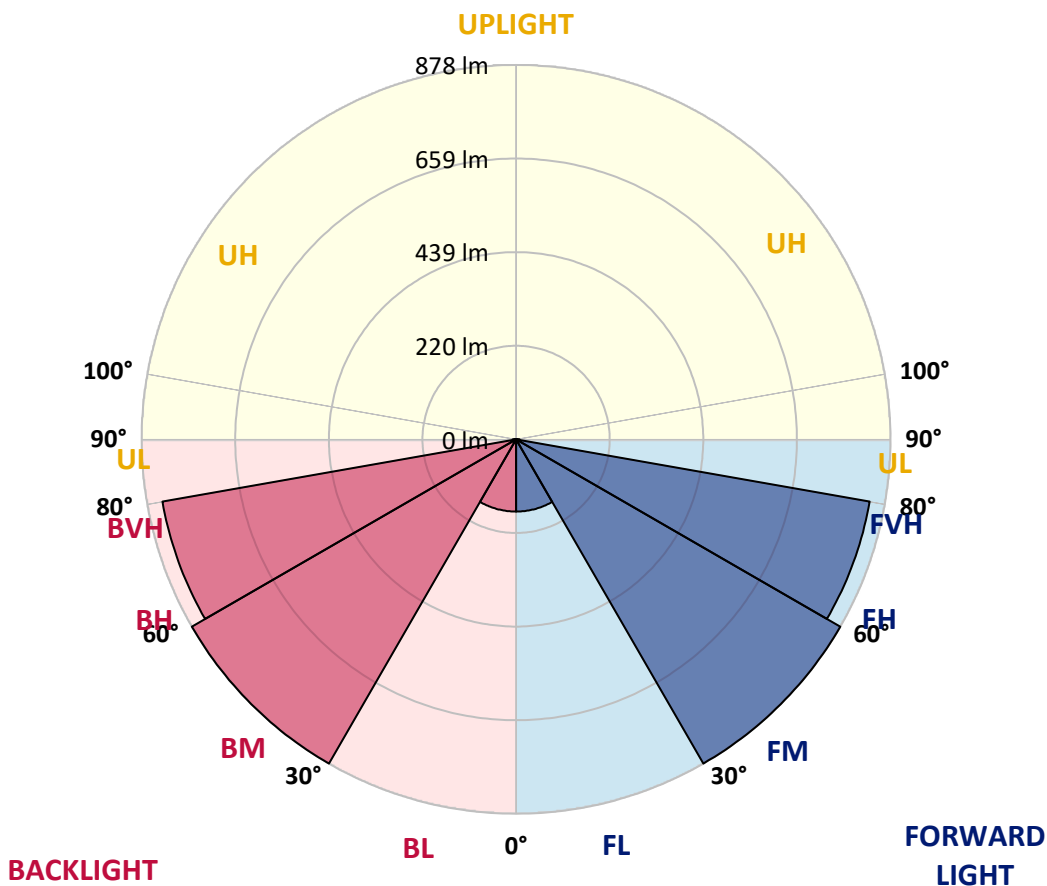
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.4	4.5			
FM (30°-60°)	878.4	23.1			
FH (60°-80°)	842.4	22.2			G1/1800
FVH (80°-90°)	8.1	0.2			G0/10
BL (0°-30°)	169.4	4.5	B1/500		
BM (30°-60°)	878.4	23.1	B1/1000		
BH (60°-80°)	842.4	22.2	B2/1000		G1/1800
BVH (80°-90°)	8.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6
2.5°	395.0	394.7	396.1	396.8	396.6	398.4	398.2	397.6	397.6	396.8	398.9
5°	395.0	394.7	395.8	396.1	395.5	397.1	396.6	396.1	396.1	395.0	396.8
7.5°	392.9	393.2	393.9	394.5	393.9	395.3	394.5	393.4	393.2	392.1	393.9
10°	389.0	389.2	390.0	391.3	391.6	393.9	392.6	390.8	390.0	389.0	390.8
12.5°	386.6	386.9	387.6	389.2	389.7	392.9	391.6	388.7	387.4	386.3	388.2
15°	386.1	386.3	387.4	389.0	389.7	392.9	391.6	388.2	386.3	385.0	386.6
17.5°	386.1	386.6	388.2	390.5	392.1	395.3	393.7	389.7	387.1	384.7	386.3
20°	386.3	387.1	389.5	392.9	396.8	401.3	399.2	393.9	390.3	387.4	388.4
22.5°	388.7	390.0	392.9	397.4	403.1	408.4	406.6	399.5	394.2	390.3	391.3
25°	396.8	397.4	401.0	406.8	412.3	416.8	415.0	408.4	401.8	397.1	398.4
27.5°	411.3	412.6	415.8	421.8	426.5	428.9	428.6	424.2	417.6	413.4	414.4
30°	428.6	430.0	434.2	441.0	445.7	448.3	447.6	444.1	438.1	432.3	433.4
32.5°	448.9	449.4	454.4	462.0	467.0	471.0	468.3	464.6	457.0	450.2	450.7
35°	474.6	475.4	480.7	487.8	491.7	494.9	494.3	490.7	482.5	475.2	477.0
37.5°	507.0	507.5	512.2	521.1	524.3	526.7	527.2	525.4	516.9	507.5	509.3
40°	547.2	547.4	552.7	560.6	564.0	565.6	565.8	566.1	557.4	550.3	549.8
42.5°	593.9	595.3	602.6	610.2	611.8	611.0	613.7	616.3	607.9	598.1	598.9
45°	649.9	650.7	660.7	669.1	666.2	663.6	668.6	673.8	666.2	653.6	649.9
47.5°	716.1	717.7	728.5	736.9	732.2	727.4	735.6	741.1	728.8	715.4	711.9
50°	791.0	792.1	807.3	817.9	812.3	803.7	813.9	819.7	803.1	786.6	779.2
52.5°	879.6	877.5	897.7	916.1	912.7	901.4	909.8	910.9	886.2	862.8	855.4
55°	987.6	985.5	1005.8	1026.0	1034.4	1031.5	1027.6	1021.3	984.7	959.8	952.9
57.5°	1113.5	1106.9	1135.3	1162.7	1181.1	1186.3	1169.5	1154.8	1125.9	1095.1	1087.2
60°	1230.5	1230.2	1275.1	1322.4	1372.9	1393.9	1351.4	1311.4	1246.5	1190.5	1179.2
62.5°	1263.3	1268.8	1342.4	1459.6	1584.2	1658.6	1546.4	1414.2	1288.8	1204.4	1189.5
65°	1182.4	1196.0	1300.6	1485.6	1731.6	1913.5	1660.2	1416.5	1241.8	1136.6	1120.9
67.5°	871.5	898.8	1037.3	1340.6	1719.0	1978.9	1639.9	1285.4	1078.6	953.5	931.7
70°	430.0	456.0	565.8	882.0	1414.4	1769.0	1418.9	968.7	728.5	608.1	588.2
72.5°	158.2	168.7	211.8	377.4	780.5	1306.7	970.3	541.1	352.9	280.9	267.5
75°	77.5	79.4	85.9	126.7	288.0	615.0	456.0	207.6	129.8	113.0	109.3
77.5°	49.4	50.2	53.3	60.4	92.5	193.7	138.2	82.0	63.6	61.0	61.0
80°	27.6	28.4	32.6	37.6	43.4	66.5	49.7	49.1	41.8	36.5	35.7
82.5°	13.1	14.5	20.8	20.5	22.9	33.4	29.2	26.5	26.8	20.2	19.2
85°	6.0	6.0	8.1	9.7	10.2	11.3	13.4	15.2	15.0	10.2	11.0
87.5°	2.9	2.9	2.9	2.6	2.4	2.1	2.9	4.7	6.8	4.7	4.5
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)