

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: P629381

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3210 lumens
Efficiency: N/A
Efficacy: 128.4 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

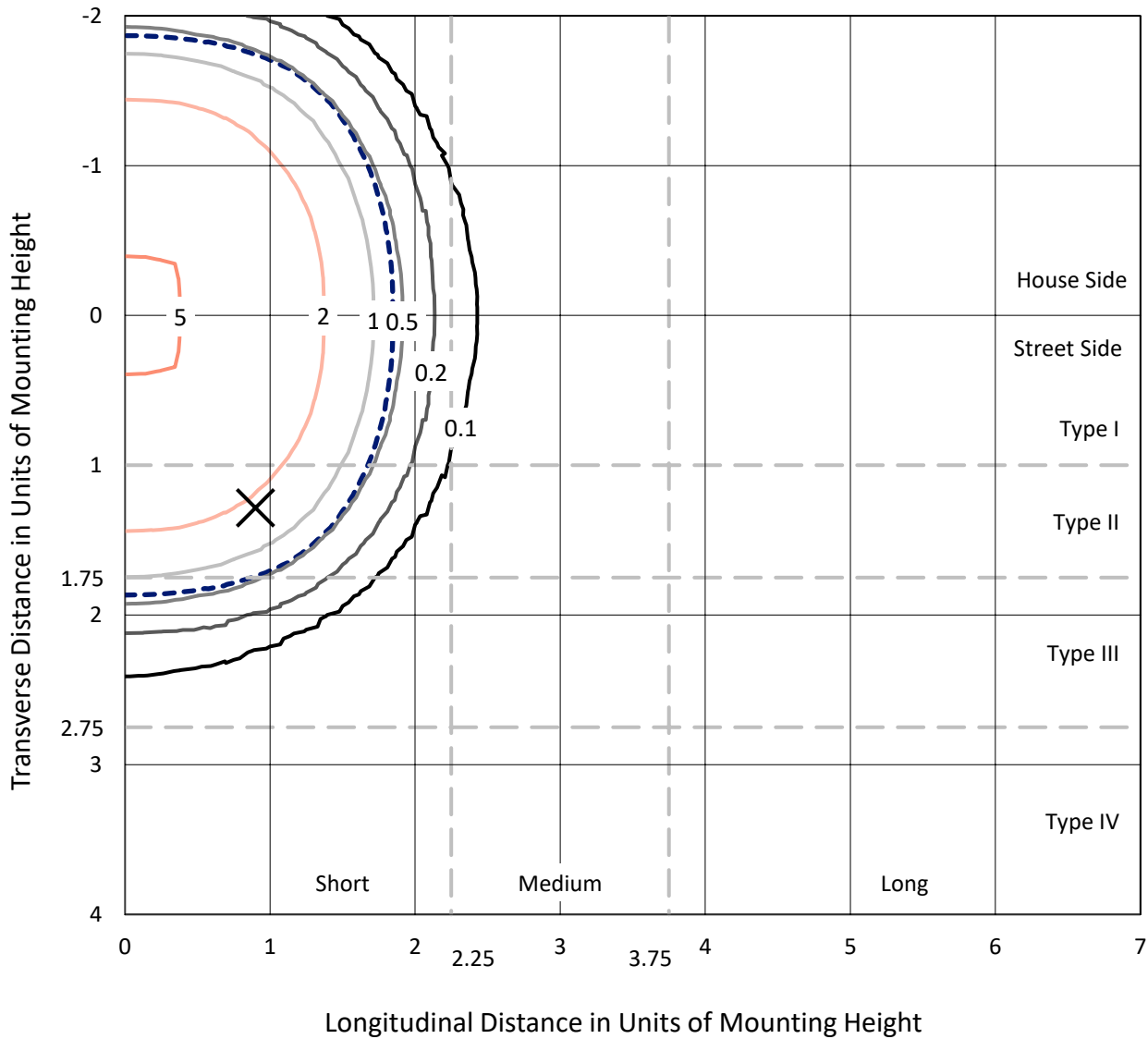
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

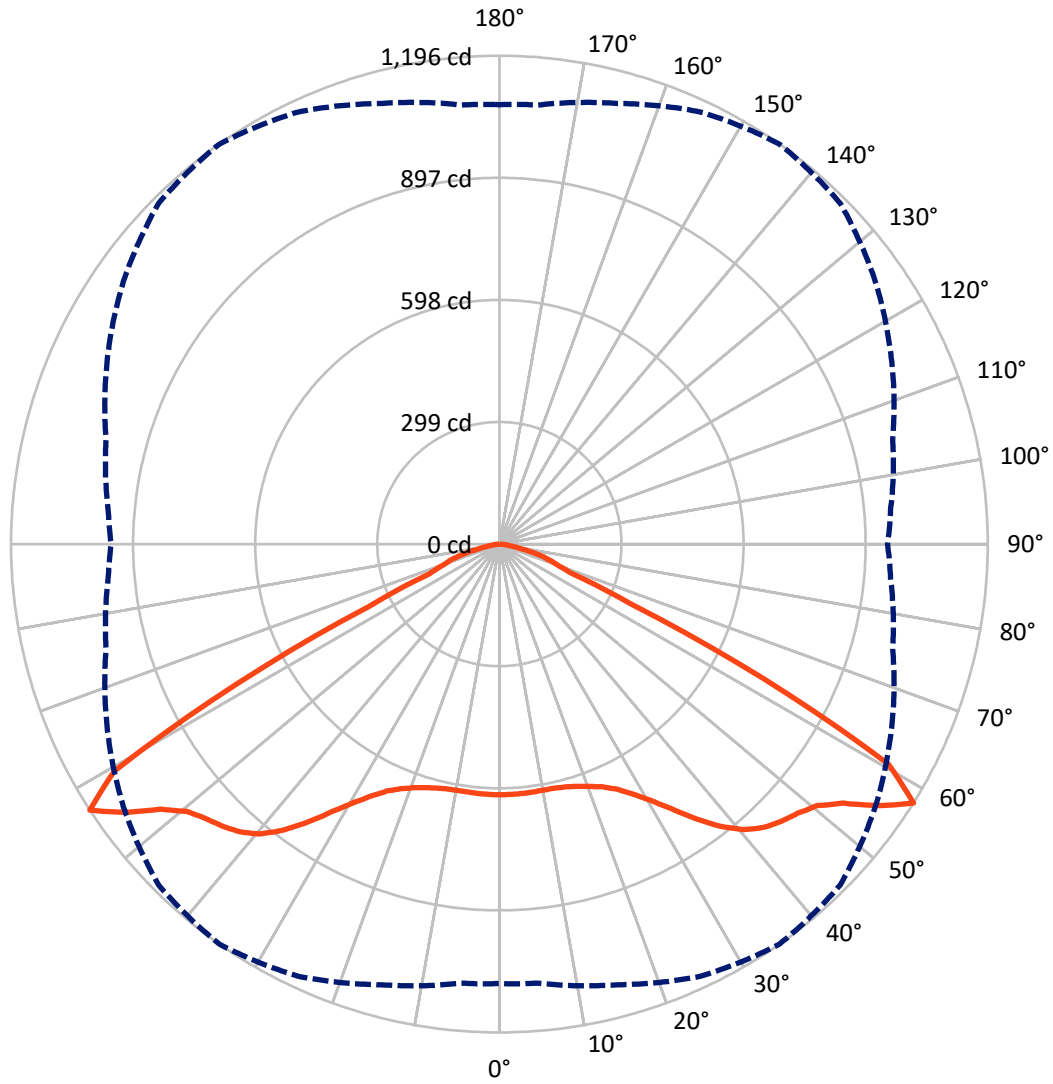
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	1605.0	0.0	1605.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1605.0	0.0	1605.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3210.0	0.0	3210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.8
10°-20°	174.3	5.4
20°-30°	304.2	9.5
30°-40°	498.8	15.5
40°-50°	734.6	22.9
50°-60°	937.4	29.2
60°-70°	395.1	12.3
70°-80°	94.4	2.9
80°-90°	12.9	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°	3210.0	100.0
0°-180°	3210.0	100.0

Coefficient of Utilization



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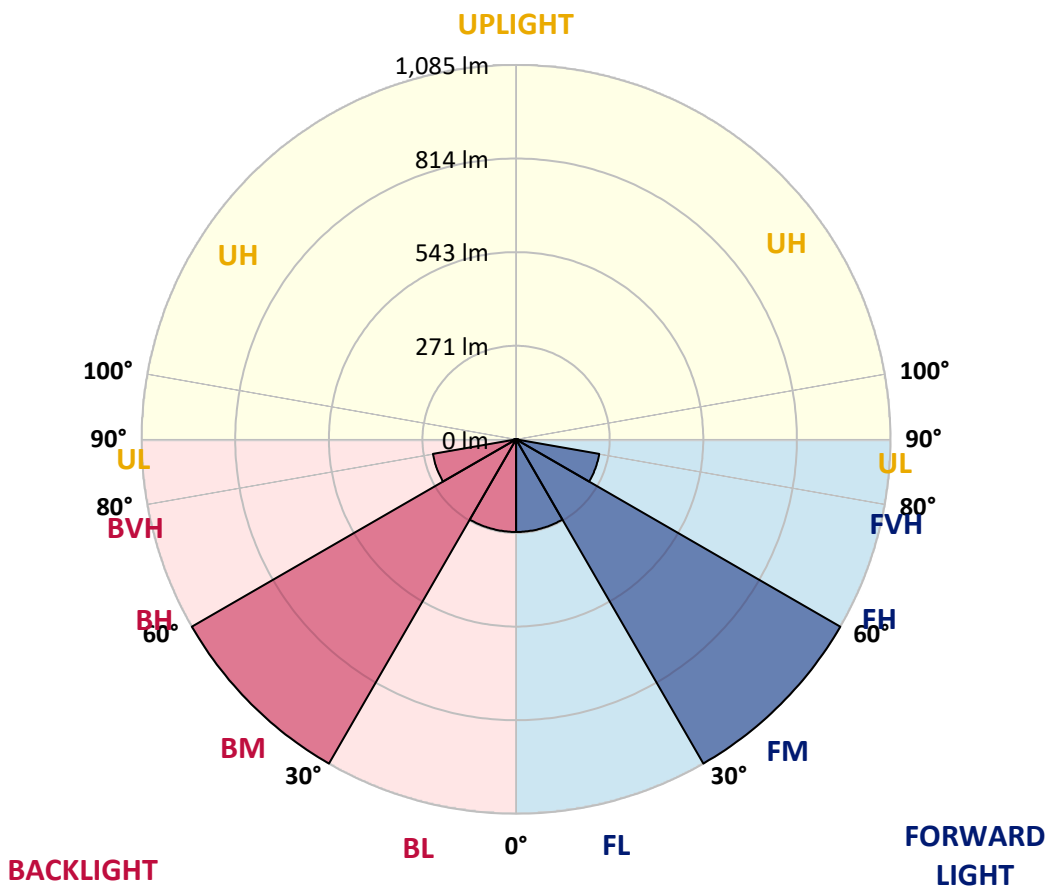
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.5	8.4			
FM (30°-60°)	1085.4	33.8			
FH (60°-80°)	244.7	7.6			G0/660
FVH (80°-90°)	6.4	0.2			G0/10
BL (0°-30°)	268.5	8.4	B1/500		
BM (30°-60°)	1085.4	33.8	B2/2500		
BH (60°-80°)	244.7	7.6	B1/500		G0/660
BVH (80°-90°)	6.4	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2
2.5°	610.5	610.5	611.8	613.1	613.7	616.0	615.8	615.0	614.5	612.9	615.0
5°	611.8	611.8	612.9	613.7	613.4	615.2	614.5	613.1	612.4	610.8	613.1
7.5°	611.6	611.6	612.4	613.1	612.6	614.2	612.9	611.0	609.7	608.2	610.3
10°	608.2	608.7	609.5	611.3	612.1	614.5	612.6	609.7	607.6	605.8	607.9
12.5°	607.6	608.2	609.2	611.6	612.9	616.3	613.9	609.2	606.0	603.7	605.8
15°	610.0	610.5	612.1	615.0	617.1	620.8	617.4	610.8	606.3	603.2	605.0
17.5°	612.9	613.7	616.0	620.2	623.7	627.6	623.4	615.5	609.2	605.0	606.6
20°	616.0	617.1	620.8	627.1	633.4	638.4	633.1	622.6	615.0	609.5	611.0
22.5°	621.6	622.9	627.6	636.5	646.0	653.4	646.8	632.6	622.6	615.5	616.8
25°	632.9	634.4	640.5	651.3	664.7	673.6	664.4	648.4	634.4	625.8	627.1
27.5°	652.8	653.6	661.5	675.7	692.3	702.5	691.5	672.5	657.0	647.0	648.1
30°	679.1	681.5	689.4	708.0	727.7	741.4	726.9	704.6	686.7	674.6	675.7
32.5°	711.2	712.8	724.6	744.0	772.4	788.2	768.5	741.9	720.4	705.7	706.7
35°	753.2	754.5	765.8	790.5	825.0	839.7	817.1	786.6	761.6	747.7	751.6
37.5°	803.4	805.8	813.9	838.4	876.7	891.2	865.2	836.8	810.8	797.9	800.8
40°	857.3	857.0	863.6	885.2	920.1	929.0	905.7	883.1	860.7	852.3	857.0
42.5°	903.6	902.2	907.0	924.8	949.0	949.8	934.3	921.7	905.9	900.1	904.6
45°	935.9	936.4	943.5	955.9	968.2	961.6	956.9	954.8	942.5	934.6	935.4
47.5°	961.4	963.5	974.8	983.2	984.8	973.7	980.3	983.5	973.2	961.1	957.7
50°	984.0	987.4	1002.1	1011.0	1007.6	993.7	1006.6	1011.3	988.7	965.6	958.7
52.5°	1025.0	1028.9	1046.8	1058.4	1054.4	1040.5	1052.6	1035.8	997.6	969.3	960.6
55°	1090.4	1092.3	1114.1	1133.0	1131.2	1114.1	1104.3	1067.0	1020.8	991.3	983.2
57.5°	1076.5	1079.6	1117.5	1167.9	1196.3	1180.8	1123.8	1060.2	997.4	961.9	950.9
60°	847.1	854.7	901.7	990.5	1094.6	1094.4	988.4	889.6	813.9	766.9	762.2
62.5°	494.6	499.9	542.7	632.6	725.9	731.7	657.3	589.5	523.3	491.5	476.2
65°	234.2	233.9	251.0	291.5	354.5	359.5	337.2	300.1	261.0	250.2	247.3
67.5°	172.9	172.9	171.6	174.5	186.6	189.2	186.6	180.6	176.9	179.2	177.7
70°	150.1	150.3	148.8	148.0	148.0	147.2	148.2	150.6	152.2	155.3	153.7
72.5°	121.7	121.9	121.9	122.2	122.5	121.4	123.0	124.3	124.6	125.6	124.6
75°	86.5	87.0	88.6	89.9	90.9	90.9	91.5	91.7	90.7	92.0	89.9
77.5°	47.6	48.1	51.0	53.4	55.7	56.0	56.8	57.3	56.8	57.8	56.2
80°	26.3	26.8	28.1	29.2	31.0	32.6	33.6	34.2	34.2	35.0	34.2
82.5°	15.0	15.5	16.3	16.8	18.4	19.7	20.8	21.6	21.6	21.8	21.3
85°	7.1	7.1	7.6	8.1	8.9	9.5	10.8	11.6	11.6	12.1	11.6
87.5°	1.1	1.3	1.6	1.6	2.1	2.6	3.2	3.4	3.9	4.2	4.2
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)