

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: P629388

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3716.7 lumens
Efficiency: N/A
Efficacy: 148.7 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

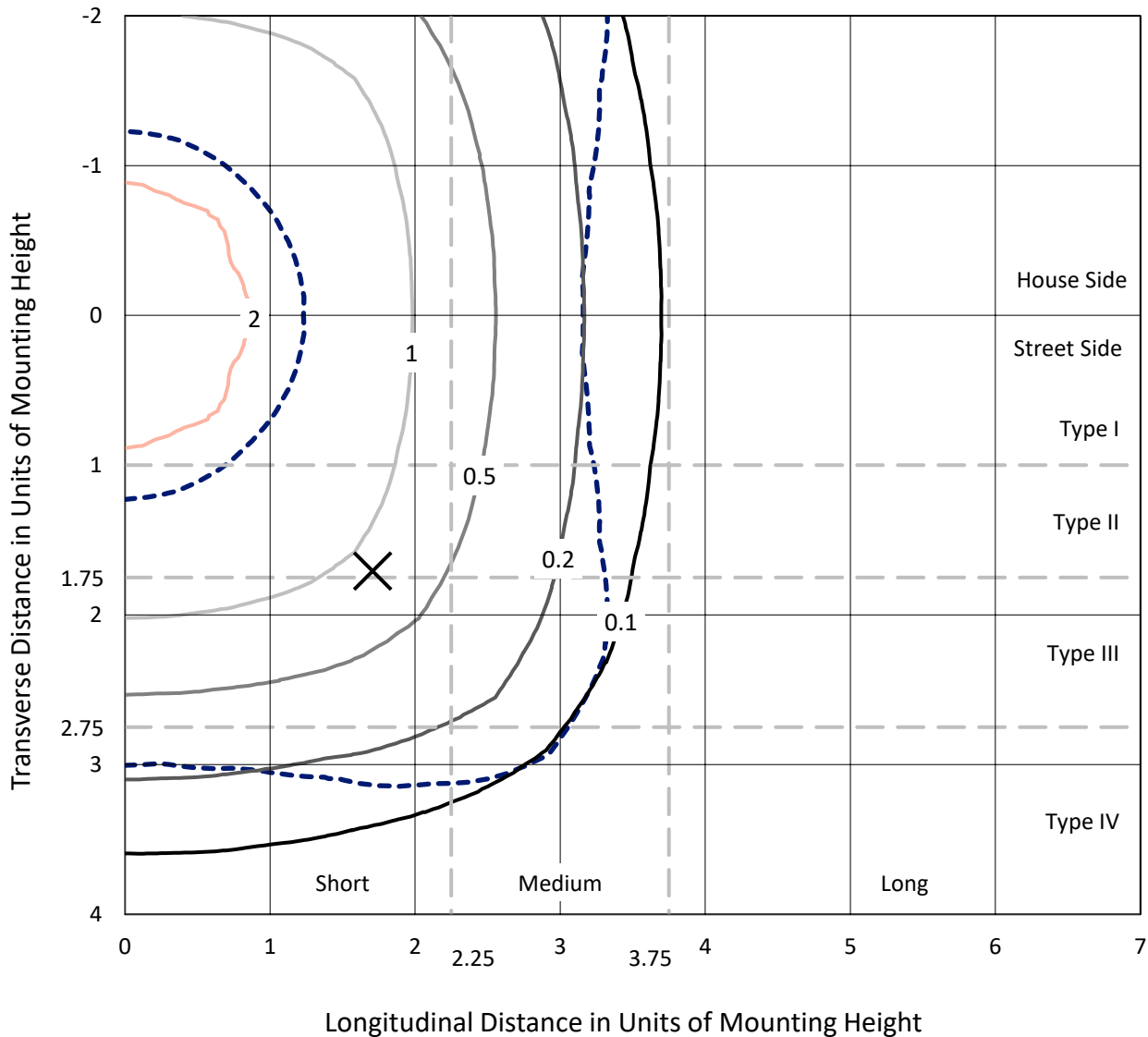
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629388
 CATALOG NUMBER: GWS-SA1B-750-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

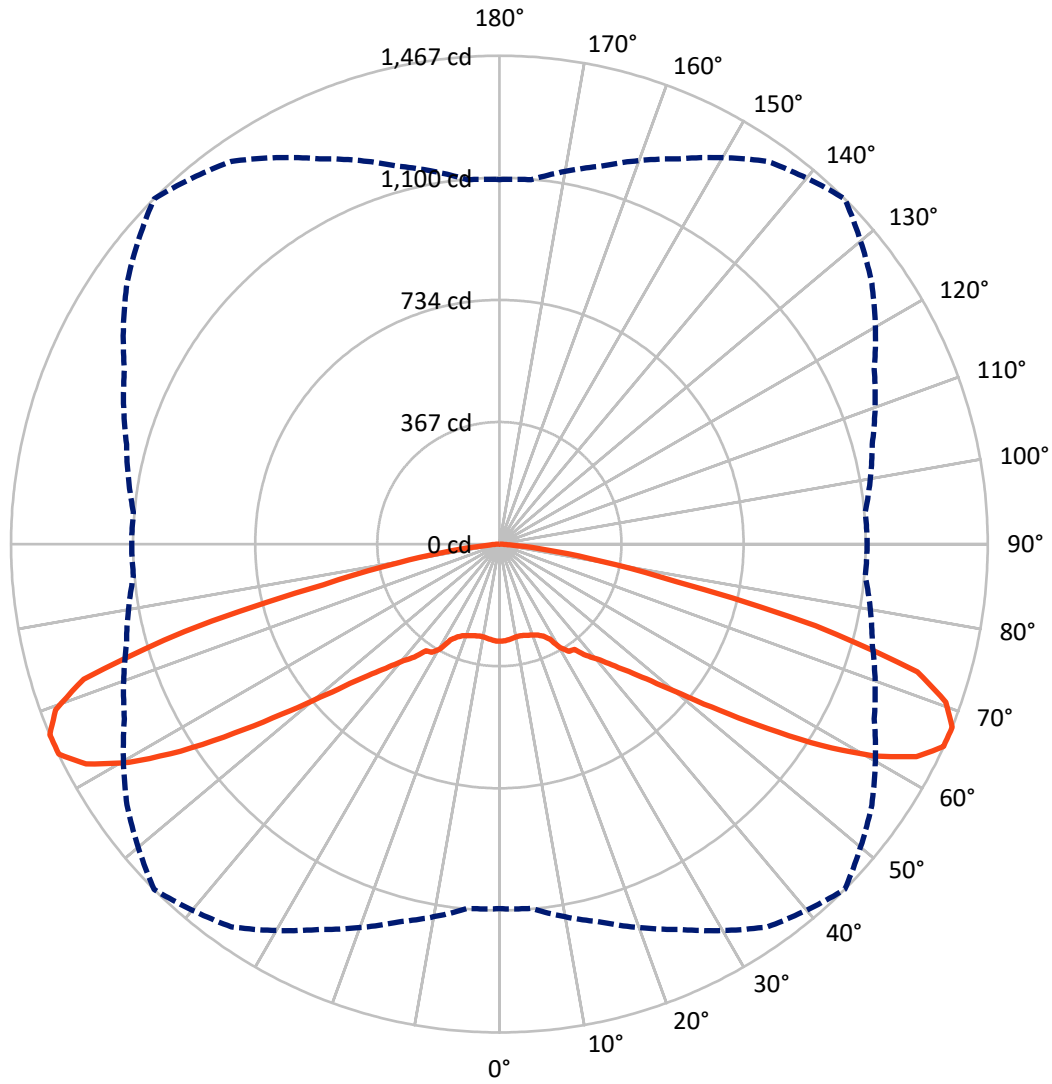
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P629388
CATALOG NUMBER: GWS-SA1B-750-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629388

CATALOG NUMBER: GWS-SA1B-750-U-5WQ-W

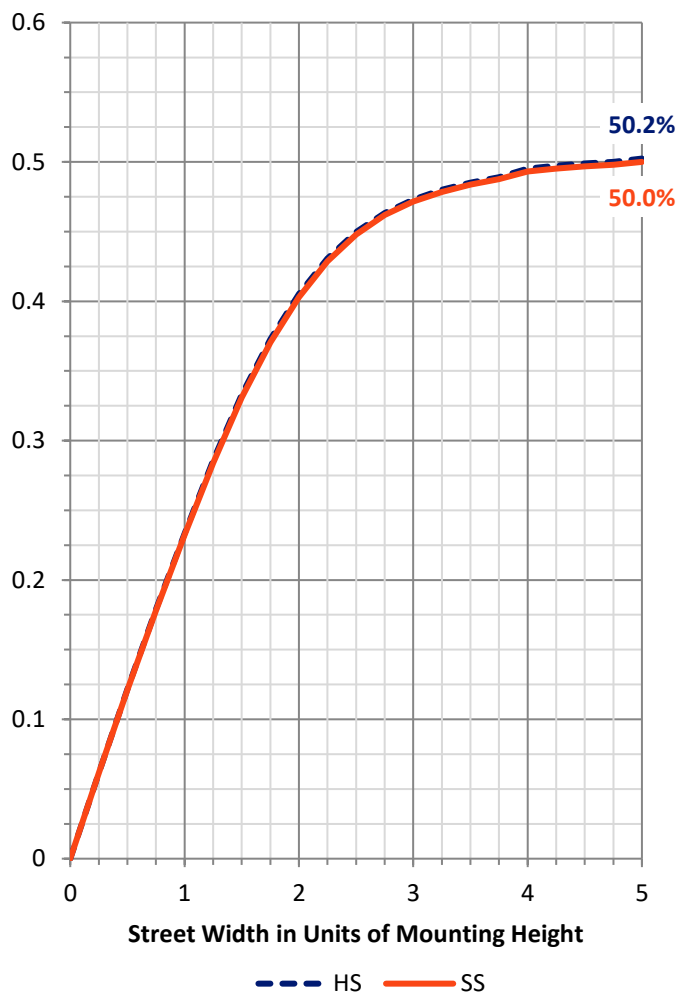
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1858.3	0.0	1858.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1858.3	0.0	1858.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3716.7	0.0	3716.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.7
10°-20°	81.2	2.2
20°-30°	145.7	3.9
30°-40°	246.1	6.6
40°-50°	432.4	11.6
50°-60°	834.1	22.4
60°-70°	1210.2	32.6
70°-80°	692.4	18.6
80°-90°	47.3	1.3
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°	3716.7	100.0
0°-180°	3716.7	100.0

Coefficient of Utilization



REPORT NUMBER: P629388

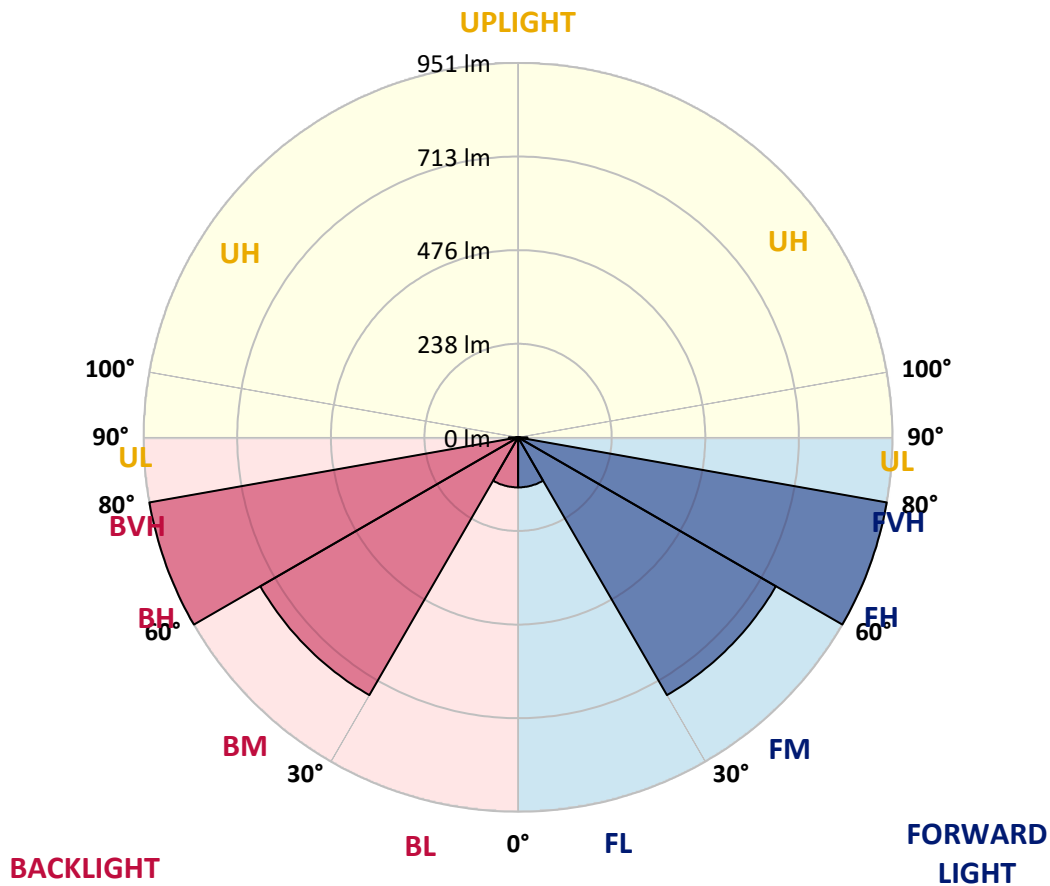
CATALOG NUMBER: GWS-SA1B-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.1	3.4			
FM (30°-60°)	756.3	20.3			
FH (60°-80°)	951.3	25.6			G1/1800
FVH (80°-90°)	23.6	0.6			G1/100
BL (0°-30°)	127.1	3.4	B1/500		
BM (30°-60°)	756.3	20.3	B1/1000		
BH (60°-80°)	951.3	25.6	B2/1000		G1/1800
BVH (80°-90°)	23.6	0.6			G1/100
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





REPORT NUMBER: P629388
 CATALOG NUMBER: GWS-SA1B-750-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5
2.5°	289.1	289.4	289.9	289.9	290.4	291.2	291.5	290.9	291.2	289.9	291.2
5°	288.3	288.6	288.8	288.3	288.3	288.6	288.6	288.0	288.3	287.0	288.3
7.5°	286.5	286.7	286.7	285.9	285.2	285.7	285.7	285.2	285.4	284.1	285.7
10°	284.9	284.9	284.6	283.1	282.3	283.1	283.3	283.6	284.6	283.6	285.4
12.5°	285.9	285.9	285.2	283.1	281.7	282.3	282.8	283.3	285.2	284.9	287.0
15°	288.8	289.1	287.0	284.6	283.8	284.6	284.1	283.8	286.2	287.0	289.4
17.5°	291.2	291.2	288.6	286.2	286.5	287.8	286.7	285.4	287.8	289.4	292.0
20°	293.3	293.0	290.2	288.6	289.6	291.5	290.7	288.8	290.4	292.3	294.6
22.5°	298.6	298.3	295.1	294.4	295.4	297.2	296.5	294.9	296.7	299.3	302.2
25°	313.5	313.0	308.3	305.7	305.1	306.4	306.2	305.7	308.5	311.7	315.1
27.5°	333.5	333.3	329.8	327.2	323.8	322.7	323.5	325.9	330.1	332.5	335.4
30°	343.5	343.5	343.0	347.2	354.5	361.6	356.1	347.2	343.5	342.5	345.3
32.5°	356.6	358.0	356.1	360.8	373.2	383.7	373.2	358.7	356.1	356.1	359.3
35°	386.9	387.4	384.5	383.7	387.7	389.0	384.0	378.7	381.6	382.1	386.1
37.5°	411.0	411.0	409.7	411.8	420.0	425.0	416.8	407.4	408.2	408.7	413.7
40°	448.4	449.4	446.3	446.0	449.2	453.6	445.0	438.9	443.1	444.4	452.0
42.5°	494.9	494.9	490.2	488.8	490.9	495.7	487.5	483.6	489.1	490.2	494.6
45°	550.3	551.7	545.3	543.0	544.0	545.6	539.8	538.0	543.2	545.6	553.5
47.5°	617.9	619.2	613.7	613.4	612.4	613.4	607.9	606.8	611.1	609.2	617.6
50°	701.2	703.6	698.8	705.4	704.6	707.8	700.1	694.6	694.6	689.6	694.4
52.5°	794.5	799.2	801.6	812.6	821.0	828.9	816.3	807.6	795.0	784.8	797.7
55°	896.2	894.9	909.9	934.1	958.8	977.4	952.7	925.4	904.9	883.6	888.6
57.5°	985.3	989.8	1009.5	1053.6	1102.5	1141.9	1097.5	1045.0	998.4	968.0	972.2
60°	1059.4	1063.1	1089.4	1153.0	1238.4	1292.8	1222.4	1135.6	1068.1	1026.0	1030.5
62.5°	1127.8	1131.2	1157.7	1227.9	1335.6	1406.6	1315.7	1197.1	1122.0	1079.7	1082.3
65°	1167.2	1169.3	1205.5	1279.4	1392.9	1466.3	1363.8	1241.6	1167.7	1124.6	1126.2
67.5°	1095.4	1098.8	1175.3	1277.3	1404.0	1467.3	1365.9	1242.9	1159.8	1103.6	1104.9
70°	864.1	861.3	952.5	1127.8	1340.6	1423.2	1305.2	1149.6	1021.3	942.7	941.4
72.5°	658.9	659.7	710.4	830.5	1093.1	1313.3	1151.7	925.6	787.4	727.7	725.4
75°	477.8	485.2	526.4	614.5	764.5	981.6	867.0	686.0	593.4	557.7	552.4
77.5°	215.2	224.7	282.3	385.8	511.2	542.5	544.6	465.7	351.4	292.0	282.8
80°	62.8	67.3	86.5	148.0	238.1	307.8	244.4	205.5	128.0	100.4	95.7
82.5°	26.5	30.2	37.1	41.0	69.1	142.7	88.8	56.5	52.6	42.6	38.9
85°	11.3	12.1	15.5	16.6	22.3	30.5	28.1	25.5	24.4	18.9	17.3
87.5°	4.7	4.7	4.7	4.2	3.9	4.2	5.8	7.4	9.7	7.6	7.1
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)