

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: P629386

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1929.3 lumens
Efficiency: N/A
Efficacy: 77.2 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

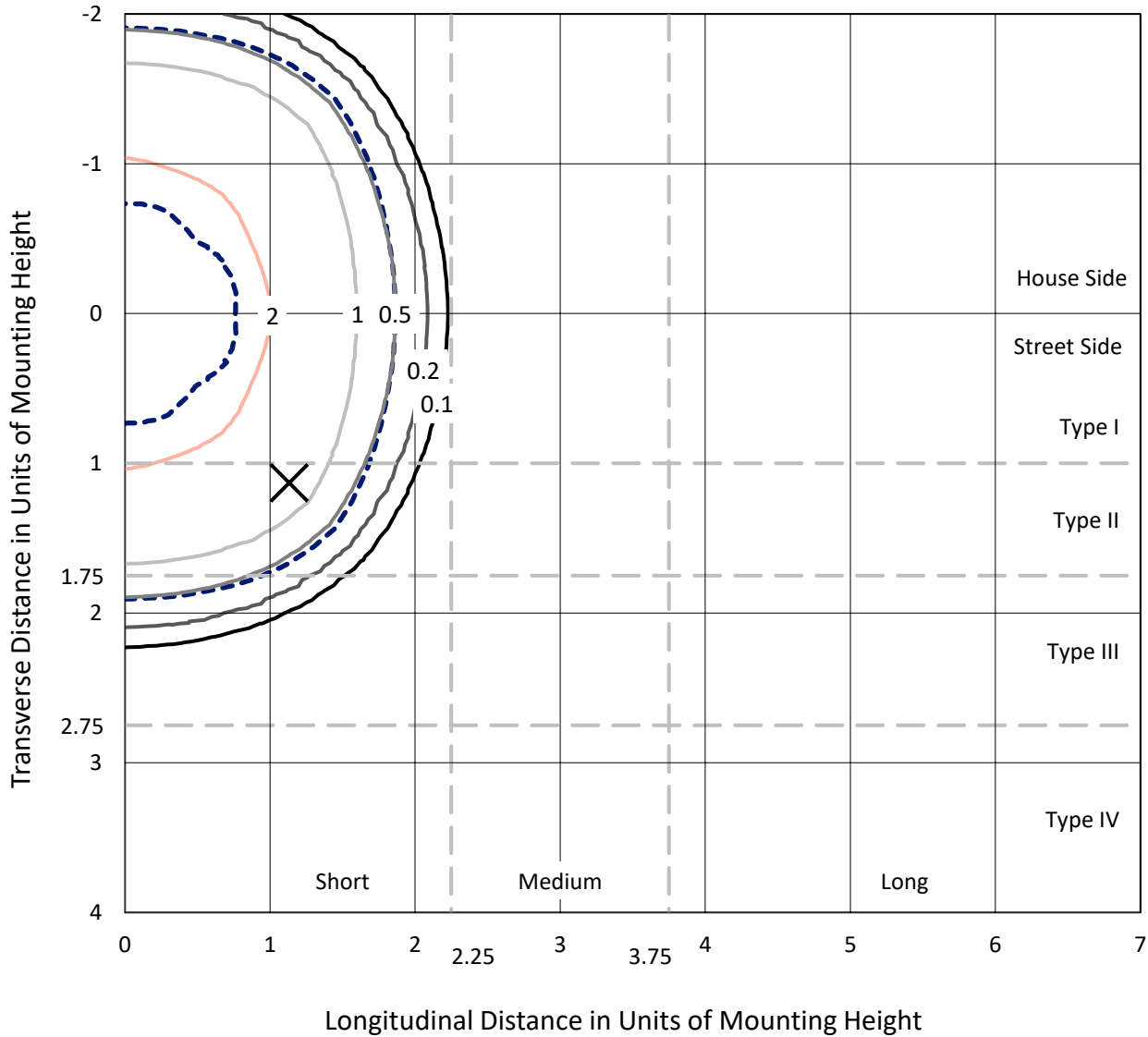
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

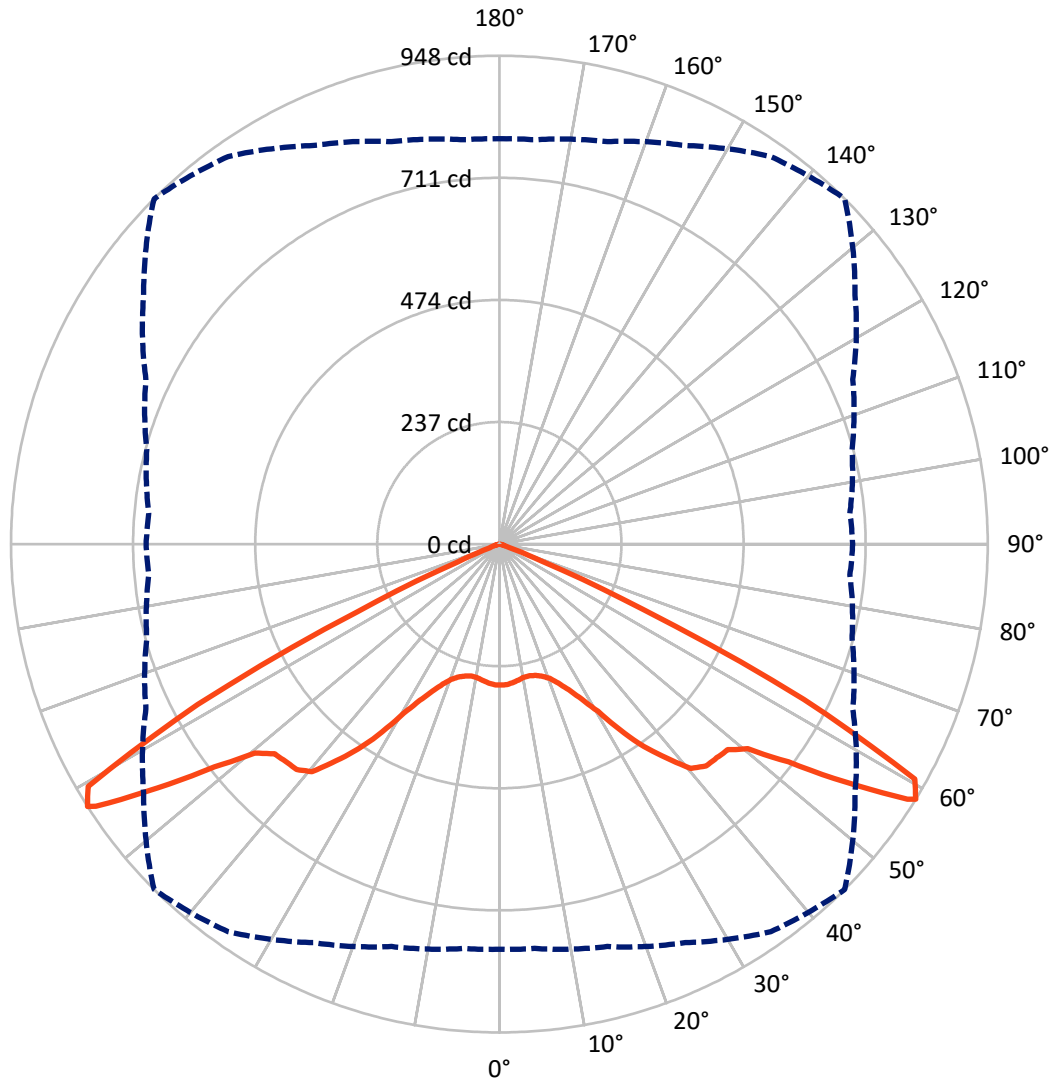
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.7	0.0	964.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	964.7	0.0	964.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	1929.3	0.0	1929.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.3
10°-20°	75.5	3.9
20°-30°	142.9	7.4
30°-40°	281.7	14.6
40°-50°	445.9	23.1
50°-60°	655.4	34.0
60°-70°	292.5	15.2
70°-80°	9.8	0.5
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°	1929.3	100.0
0°-180°	1929.3	100.0

Coefficient of Utilization



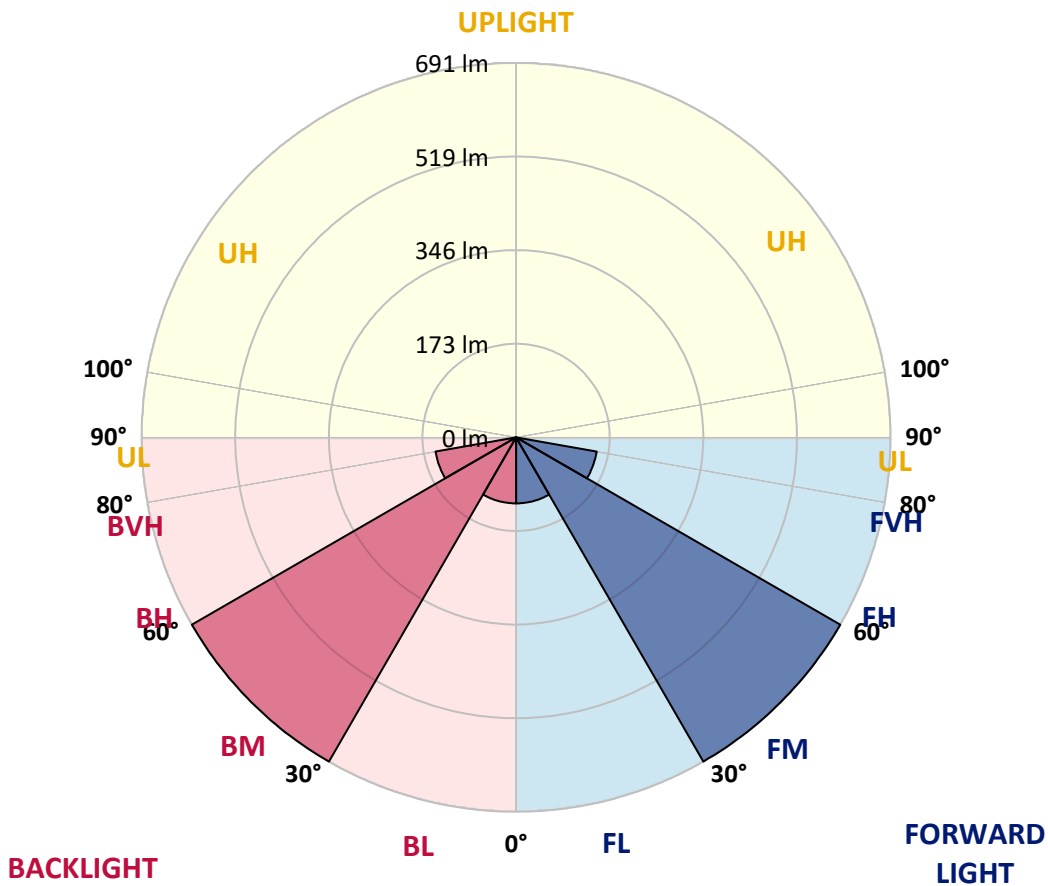
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.0	6.3			
FM (30°-60°)	691.5	35.8			
FH (60°-80°)	151.2	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	122.0	6.3	B1/500		
BM (30°-60°)	691.5	35.8	B1/1000		
BH (60°-80°)	151.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	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°	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6
2.5°	271.0	271.5	272.0	272.3	272.5	273.3	273.6	272.8	272.8	271.2	273.1
5°	269.7	270.2	270.7	270.4	270.4	270.4	270.2	269.1	268.9	267.3	269.1
7.5°	267.3	267.8	267.8	267.0	266.5	266.5	266.2	264.9	264.7	263.1	264.9
10°	265.5	265.7	265.5	263.9	262.8	262.8	262.6	262.0	262.3	261.2	262.8
12.5°	266.5	266.8	265.7	263.6	262.3	262.0	261.2	260.5	261.2	261.0	262.6
15°	269.9	270.2	268.3	265.7	264.7	264.7	262.6	260.5	261.5	261.8	263.6
17.5°	274.1	274.1	271.8	269.4	269.7	269.7	266.2	262.6	262.8	263.9	265.7
20°	279.1	279.1	276.8	276.2	278.1	278.3	274.1	268.3	267.0	267.8	269.9
22.5°	288.1	288.1	286.2	287.5	291.7	293.0	286.7	278.6	275.4	276.0	278.1
25°	302.0	302.0	301.5	304.6	310.7	313.5	305.1	294.4	289.1	288.3	290.7
27.5°	325.4	325.6	324.9	329.6	337.2	340.6	329.1	314.9	308.6	307.2	309.6
30°	355.6	355.6	355.9	362.4	372.4	376.9	361.6	345.1	337.7	333.5	336.7
32.5°	389.2	389.8	392.4	403.4	421.0	430.2	407.9	384.8	372.9	368.5	371.9
35°	444.7	439.7	436.6	444.7	470.2	482.3	453.6	426.6	417.6	417.1	425.8
37.5°	499.6	496.7	490.2	498.6	521.4	527.0	495.4	472.8	466.5	469.9	478.6
40°	543.3	538.0	529.3	537.2	567.2	572.7	533.8	511.5	509.1	516.7	528.5
42.5°	577.7	570.3	558.8	560.6	584.8	588.7	554.3	537.5	539.1	548.5	561.9
45°	593.2	587.4	577.2	576.4	591.6	591.9	564.8	556.1	560.3	567.7	578.2
47.5°	599.8	597.1	591.4	590.0	598.7	596.6	579.8	576.1	580.1	582.2	588.2
50°	616.1	616.1	616.8	617.9	626.8	624.7	612.9	608.7	603.7	596.3	598.2
52.5°	661.8	663.6	671.3	679.7	696.0	702.8	683.6	659.2	635.2	619.2	619.2
55°	744.3	746.2	755.1	769.3	799.2	815.5	770.9	717.0	684.1	662.3	665.2
57.5°	789.8	791.9	810.3	848.7	906.7	934.3	838.4	758.5	712.5	687.5	689.7
58°	786.9	788.2	809.0	853.9	918.6	948.3	843.1	757.2	708.8	683.3	686.0
60°	699.1	697.3	730.4	794.5	885.7	926.7	796.1	691.2	635.0	609.0	610.3
62.5°	457.1	458.1	486.8	553.8	624.7	663.4	556.1	478.1	432.9	417.1	413.2
65°	190.8	187.4	205.0	242.3	284.9	306.5	263.4	222.9	195.0	184.5	187.4
67.5°	49.1	47.8	48.9	61.2	74.9	88.6	74.4	56.8	49.4	49.9	49.9
70°	27.9	26.3	21.3	19.7	19.2	19.2	19.2	19.2	22.1	26.0	26.8
72.5°	21.0	19.7	15.5	13.4	11.8	11.0	11.6	13.4	16.0	19.4	20.0
75°	10.5	10.5	9.5	8.9	7.9	7.4	7.6	8.4	9.7	11.0	10.8
77.5°	2.1	2.4	2.6	3.2	2.6	2.6	2.6	3.2	3.2	3.4	3.2
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	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	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)