

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: P629111

Luminaire Tested: GWS-SA1B-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629111
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1389.3 lumens
Efficiency: N/A
Efficacy: 55.6 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

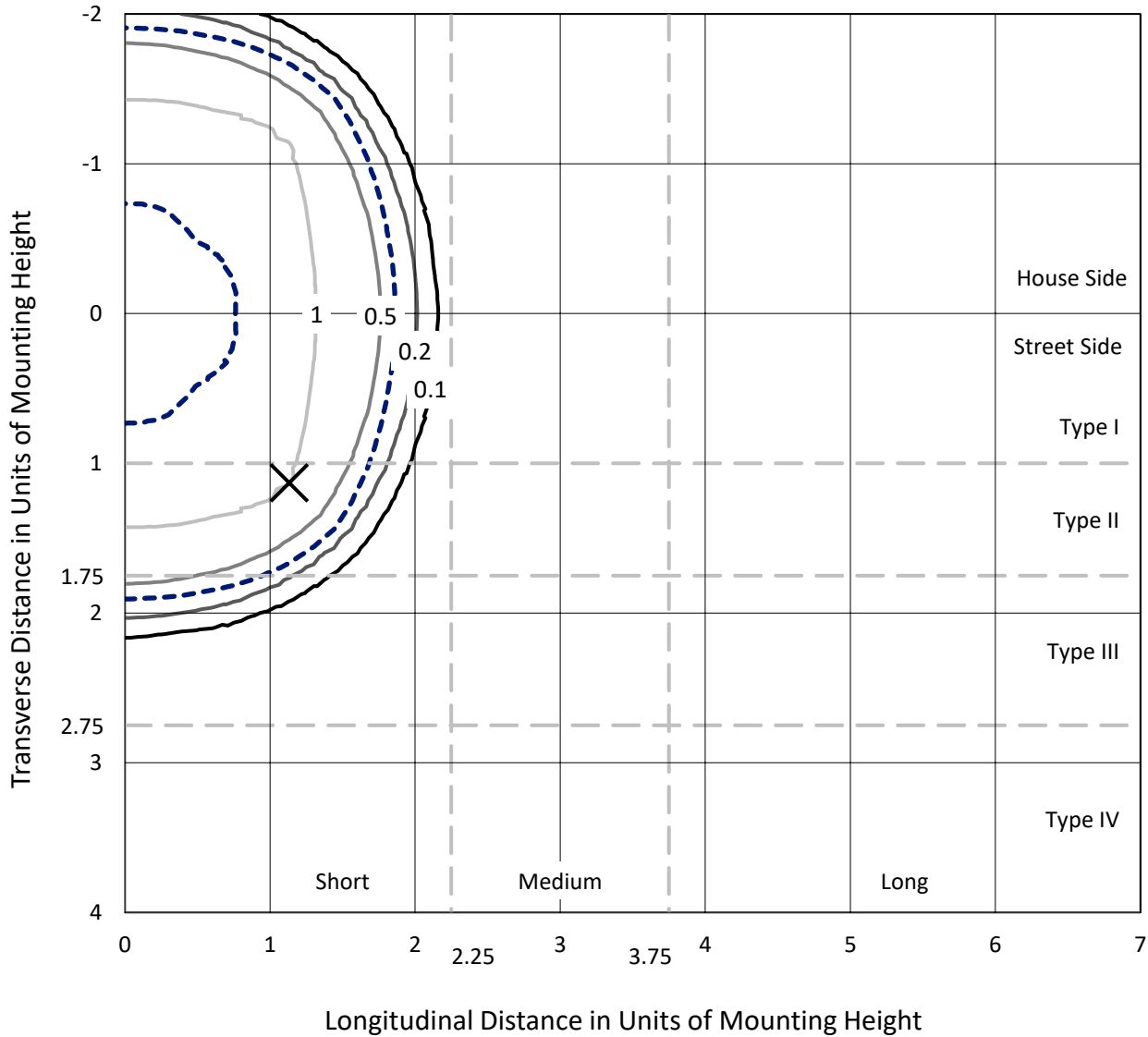
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

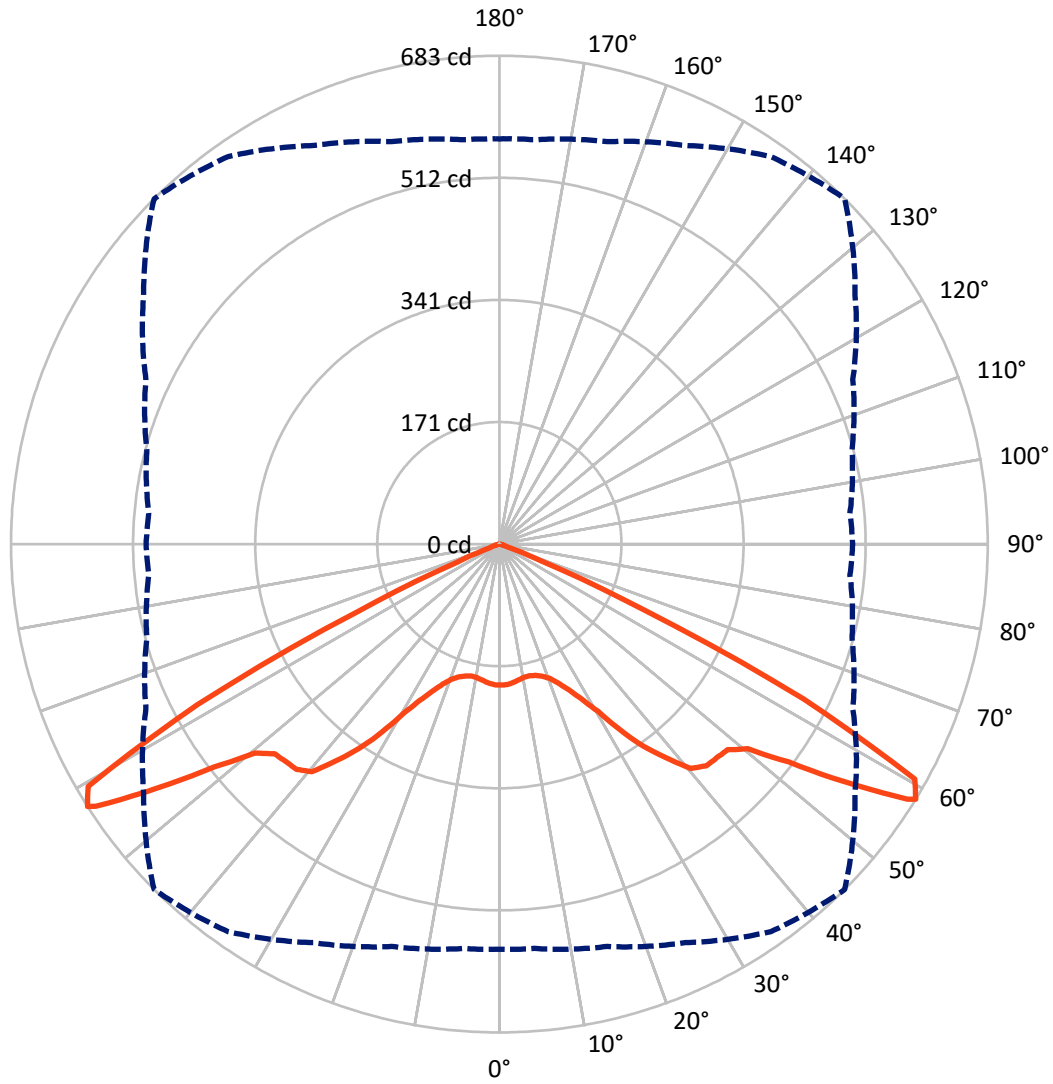
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 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	694.7	0.0	694.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	694.7	0.0	694.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	1389.3	0.0	1389.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	1.3
10°-20°	54.4	3.9
20°-30°	102.9	7.4
30°-40°	202.9	14.6
40°-50°	321.1	23.1
50°-60°	471.9	34.0
60°-70°	210.7	15.2
70°-80°	7.1	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°	1389.3	100.0
0°-180°	1389.3	100.0

Coefficient of Utilization



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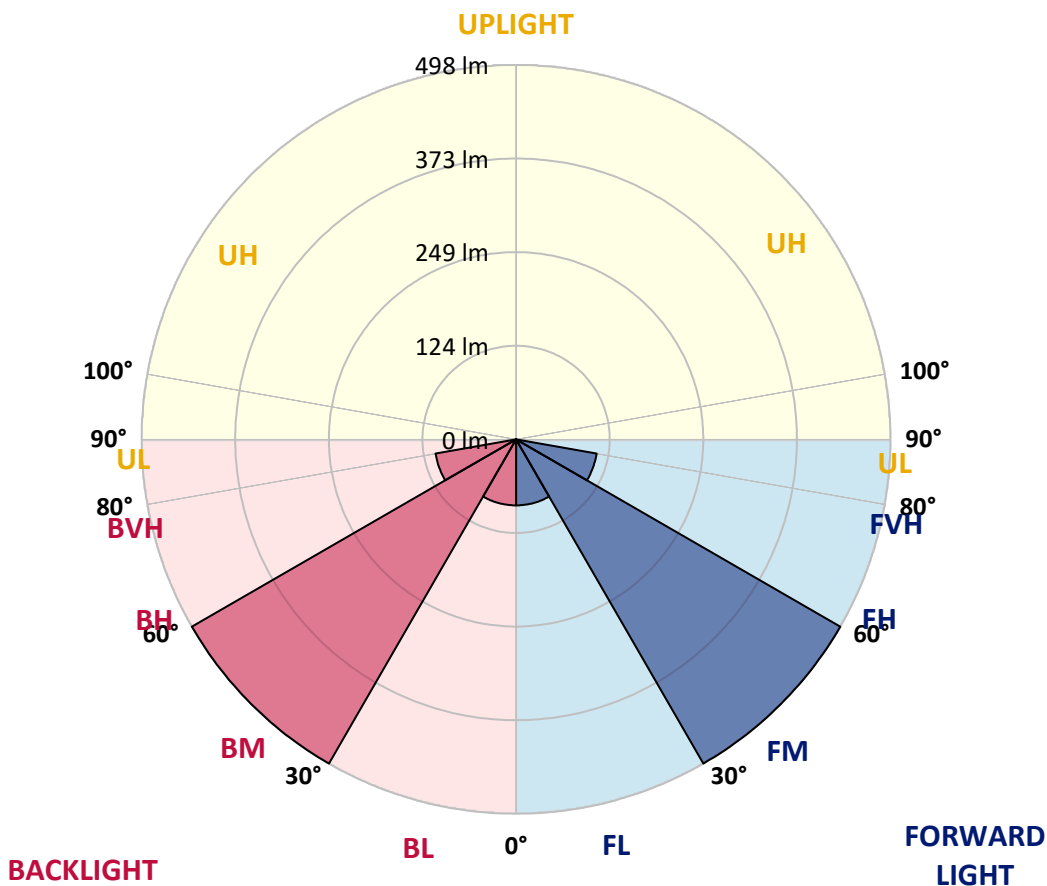
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.8	6.3			
FM (30°-60°)	497.9	35.8			
FH (60°-80°)	108.9	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	87.8	6.3	B0/110		
BM (30°-60°)	497.9	35.8	B1/1000		
BH (60°-80°)	108.9	7.8	B0/110		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°	197.0	197.0	197.0	197.0	197.0	197.0	197.0	197.0	197.0	197.0	197.0
2.5°	195.1	195.5	195.9	196.1	196.3	196.8	197.0	196.5	196.5	195.3	196.6
5°	194.2	194.6	194.9	194.8	194.8	194.8	194.6	193.8	193.6	192.5	193.8
7.5°	192.5	192.9	192.9	192.3	191.9	191.9	191.7	190.8	190.6	189.5	190.8
10°	191.2	191.3	191.2	190.0	189.3	189.3	189.1	188.7	188.9	188.1	189.3
12.5°	191.9	192.1	191.3	189.8	188.9	188.7	188.1	187.6	188.1	187.9	189.1
15°	194.4	194.6	193.2	191.3	190.6	190.6	189.1	187.6	188.3	188.5	189.8
17.5°	197.4	197.4	195.7	194.0	194.2	194.2	191.7	189.1	189.3	190.0	191.3
20°	201.0	201.0	199.3	198.9	200.2	200.4	197.4	193.2	192.3	192.9	194.4
22.5°	207.4	207.4	206.1	207.1	210.1	211.0	206.5	200.6	198.3	198.7	200.2
25°	217.5	217.5	217.1	219.4	223.7	225.8	219.7	212.0	208.2	207.6	209.3
27.5°	234.3	234.5	233.9	237.3	242.8	245.3	237.0	226.7	222.2	221.2	223.0
30°	256.1	256.1	256.3	261.0	268.2	271.4	260.4	248.5	243.2	240.2	242.4
32.5°	280.3	280.7	282.6	290.5	303.2	309.8	293.7	277.1	268.6	265.3	267.8
35°	320.2	316.6	314.4	320.2	338.6	347.3	326.7	307.2	300.7	300.4	306.6
37.5°	359.8	357.7	353.0	359.0	375.5	379.5	356.8	340.5	335.9	338.4	344.6
40°	391.2	387.4	381.2	386.9	408.4	412.4	384.4	368.3	366.6	372.1	380.6
42.5°	416.0	410.7	402.4	403.7	421.1	423.9	399.2	387.0	388.2	395.0	404.6
45°	427.2	423.0	415.6	415.1	426.0	426.2	406.7	400.5	403.5	408.8	416.4
47.5°	431.9	430.0	425.8	424.9	431.1	429.6	417.5	414.9	417.7	419.2	423.6
50°	443.6	443.6	444.2	445.0	451.4	449.9	441.4	438.3	434.7	429.4	430.8
52.5°	476.6	477.9	483.4	489.4	501.2	506.1	492.3	474.7	457.4	445.9	445.9
55°	536.0	537.3	543.7	554.0	575.5	587.3	555.1	516.3	492.6	476.9	479.0
57.5°	568.7	570.2	583.5	611.1	653.0	672.8	603.7	546.2	513.1	495.1	496.6
58°	566.6	567.6	582.5	614.9	661.5	682.9	607.2	545.3	510.4	492.1	494.0
60°	503.4	502.1	526.0	572.1	637.8	667.3	573.3	497.8	457.3	438.5	439.5
62.5°	329.1	329.9	350.5	398.8	449.9	477.7	400.5	344.3	311.7	300.4	297.5
65°	137.4	134.9	147.6	174.5	205.2	220.7	189.6	160.5	140.4	132.9	134.9
67.5°	35.4	34.4	35.2	44.1	53.9	63.8	53.6	40.9	35.6	36.0	36.0
70°	20.1	18.9	15.3	14.2	13.8	13.8	13.8	13.8	15.9	18.7	19.3
72.5°	15.1	14.2	11.2	9.7	8.5	7.9	8.3	9.7	11.5	14.0	14.4
75°	7.6	7.6	6.8	6.4	5.7	5.3	5.5	6.1	7.0	7.9	7.8
77.5°	1.5	1.7	1.9	2.3	1.9	1.9	1.9	2.3	2.3	2.5	2.3
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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)