

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: P629546

Luminaire Tested: GWS-SA1B-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629546
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2492.9 lumens
Efficiency: N/A
Efficacy: 99.7 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

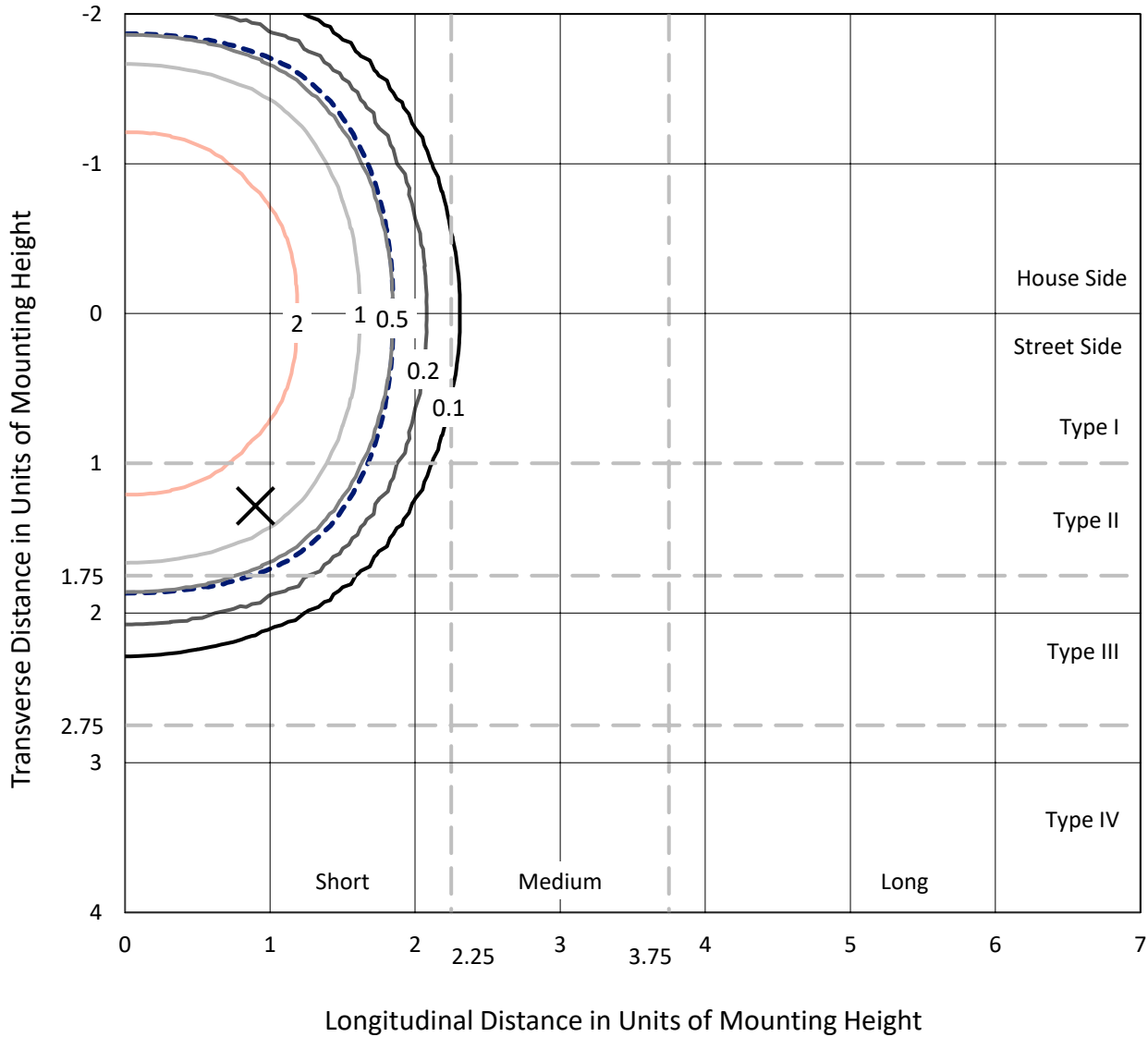
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

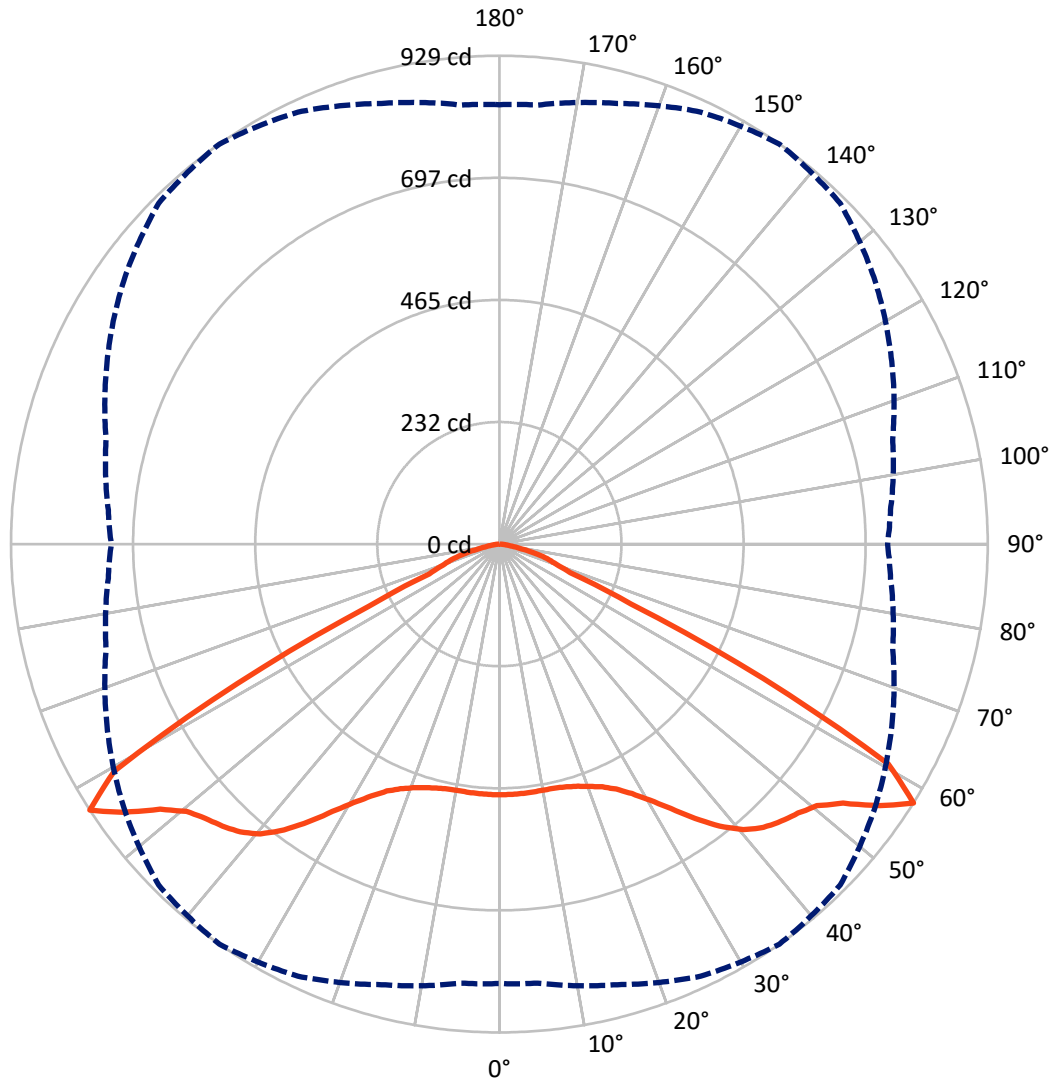
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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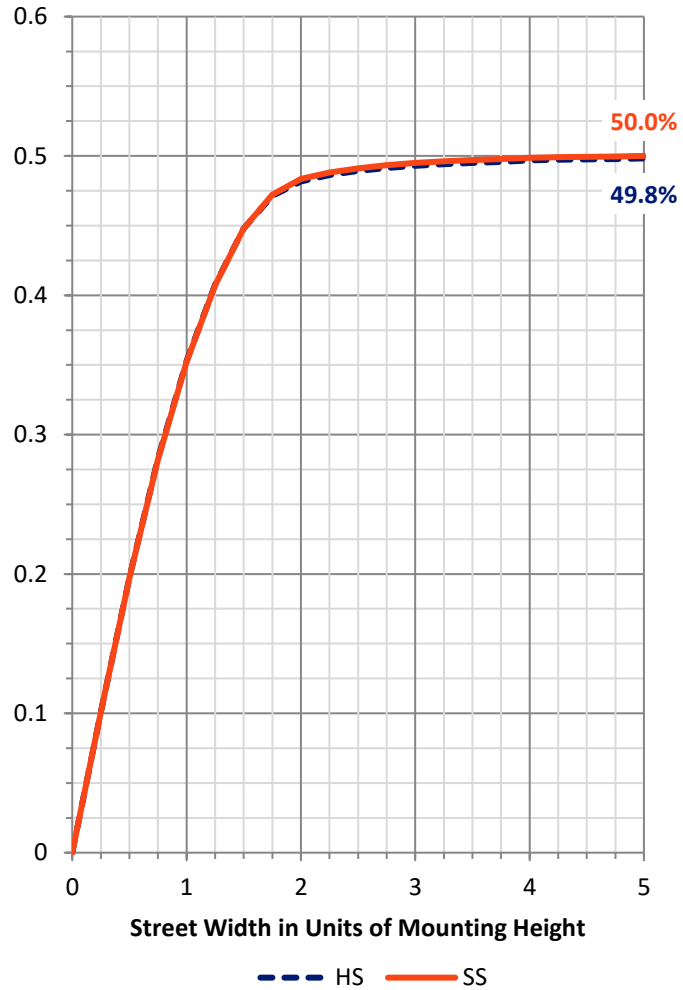
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1246.4	0.0	1246.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1246.4	0.0	1246.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2492.9	0.0	2492.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.8
10°-20°	135.4	5.4
20°-30°	236.2	9.5
30°-40°	387.3	15.5
40°-50°	570.5	22.9
50°-60°	728.0	29.2
60°-70°	306.8	12.3
70°-80°	73.3	2.9
80°-90°	10.0	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°	2492.9	100.0
0°-180°	2492.9	100.0

Coefficient of Utilization



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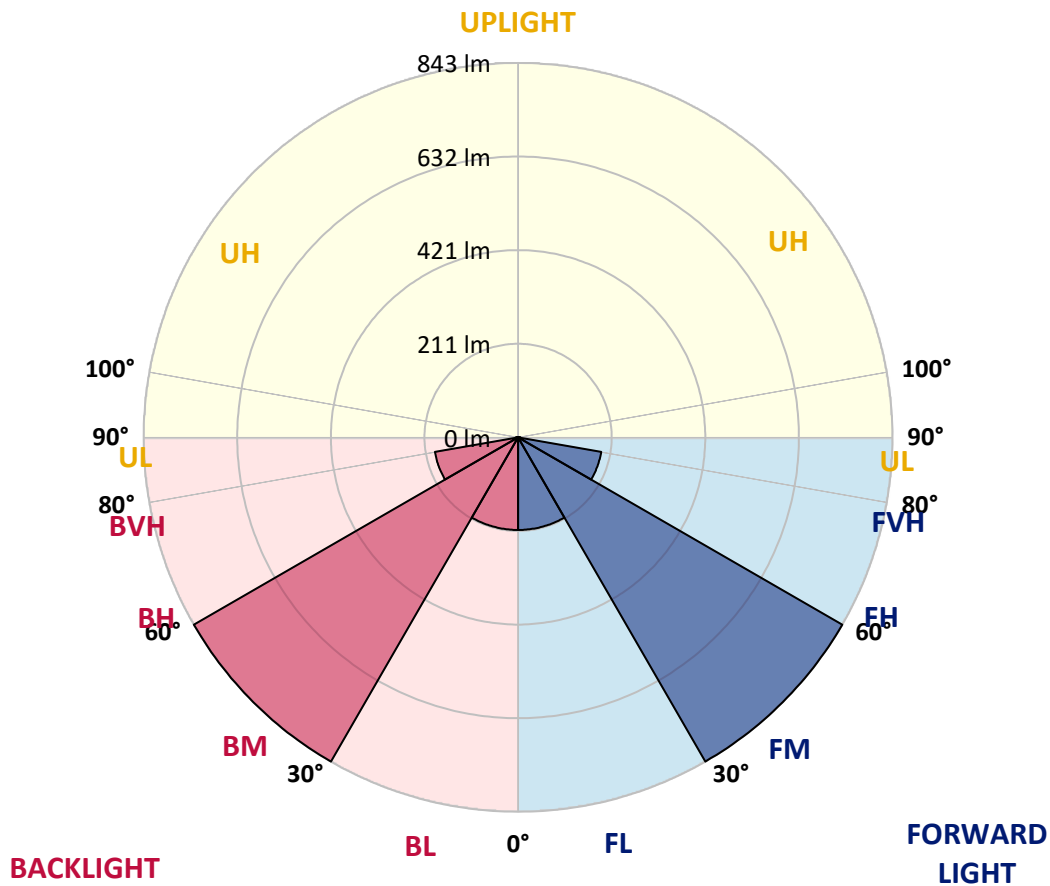
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.5	8.4			
FM (30°-60°)	842.9	33.8			
FH (60°-80°)	190.1	7.6			G0/660
FVH (80°-90°)	5.0	0.2			G0/10
BL (0°-30°)	208.5	8.4	B1/500		
BM (30°-60°)	842.9	33.8	B1/1000		
BH (60°-80°)	190.1	7.6	B1/500		G0/660
BVH (80°-90°)	5.0	0.2			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°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
2.5°	474.1	474.1	475.2	476.2	476.6	478.4	478.2	477.6	477.2	476.0	477.6
5°	475.2	475.2	476.0	476.6	476.4	477.8	477.2	476.2	475.6	474.3	476.2
7.5°	474.9	474.9	475.6	476.2	475.8	477.0	476.0	474.5	473.5	472.3	473.9
10°	472.3	472.7	473.3	474.7	475.4	477.2	475.8	473.5	471.9	470.5	472.1
12.5°	471.9	472.3	473.1	474.9	476.0	478.6	476.8	473.1	470.7	468.8	470.5
15°	473.7	474.1	475.4	477.6	479.2	482.1	479.4	474.3	470.9	468.4	469.8
17.5°	476.0	476.6	478.4	481.7	484.3	487.4	484.1	478.0	473.1	469.8	471.1
20°	478.4	479.2	482.1	487.0	491.9	495.8	491.7	483.5	477.6	473.3	474.5
22.5°	482.7	483.7	487.4	494.3	501.7	507.4	502.3	491.3	483.5	478.0	479.0
25°	491.5	492.7	497.4	505.8	516.2	523.1	516.0	503.5	492.7	486.0	487.0
27.5°	507.0	507.6	513.7	524.7	537.6	545.6	537.0	522.3	510.3	502.5	503.3
30°	527.4	529.2	535.4	549.9	565.2	575.8	564.5	547.2	533.3	523.9	524.7
32.5°	552.3	553.5	562.7	577.8	599.9	612.1	596.8	576.2	559.4	548.0	548.8
35°	585.0	586.0	594.8	613.9	640.7	652.1	634.6	610.9	591.5	580.7	583.7
37.5°	623.9	625.8	632.1	651.1	680.9	692.1	671.9	649.9	629.7	619.7	621.9
40°	665.8	665.6	670.7	687.4	714.6	721.5	703.3	685.8	668.4	661.9	665.6
42.5°	701.7	700.7	704.4	718.2	737.0	737.6	725.6	715.8	703.5	699.1	702.5
45°	726.8	727.2	732.7	742.3	751.9	746.8	743.1	741.5	731.9	725.8	726.4
47.5°	746.6	748.2	757.0	763.5	764.8	756.2	761.3	763.8	755.8	746.4	743.8
50°	764.2	766.8	778.2	785.2	782.5	771.7	781.7	785.4	767.8	749.9	744.6
52.5°	796.0	799.1	812.9	821.9	818.9	808.0	817.4	804.4	774.8	752.7	746.0
55°	846.8	848.3	865.2	879.9	878.5	865.2	857.6	828.7	792.7	769.9	763.5
57.5°	836.0	838.5	867.8	907.0	929.1	917.0	872.7	823.4	774.6	747.0	738.4
60°	657.8	663.7	700.3	769.3	850.1	849.9	767.6	690.9	632.1	595.6	591.9
62.5°	384.1	388.2	421.5	491.3	563.7	568.2	510.5	457.8	406.4	381.7	369.8
65°	181.9	181.7	194.9	226.3	275.3	279.2	261.9	233.1	202.7	194.3	192.1
67.5°	134.3	134.3	133.3	135.5	144.9	147.0	144.9	140.2	137.4	139.2	138.0
70°	116.5	116.7	115.5	114.9	114.9	114.3	115.1	117.0	118.2	120.6	119.4
72.5°	94.5	94.7	94.7	94.9	95.1	94.3	95.5	96.5	96.7	97.6	96.7
75°	67.1	67.6	68.8	69.8	70.6	70.6	71.0	71.2	70.4	71.4	69.8
77.5°	36.9	37.4	39.6	41.4	43.3	43.5	44.1	44.5	44.1	44.9	43.7
80°	20.4	20.8	21.8	22.7	24.1	25.3	26.1	26.5	26.5	27.1	26.5
82.5°	11.6	12.0	12.7	13.1	14.3	15.3	16.1	16.7	16.7	16.9	16.5
85°	5.5	5.5	5.9	6.3	6.9	7.3	8.4	9.0	9.0	9.4	9.0
87.5°	0.8	1.0	1.2	1.2	1.6	2.0	2.4	2.7	3.1	3.3	3.3
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)