

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: P629050

Luminaire Tested: GWS-SA1A-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1380.3 lumens
Efficiency: N/A
Efficacy: 70.1 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

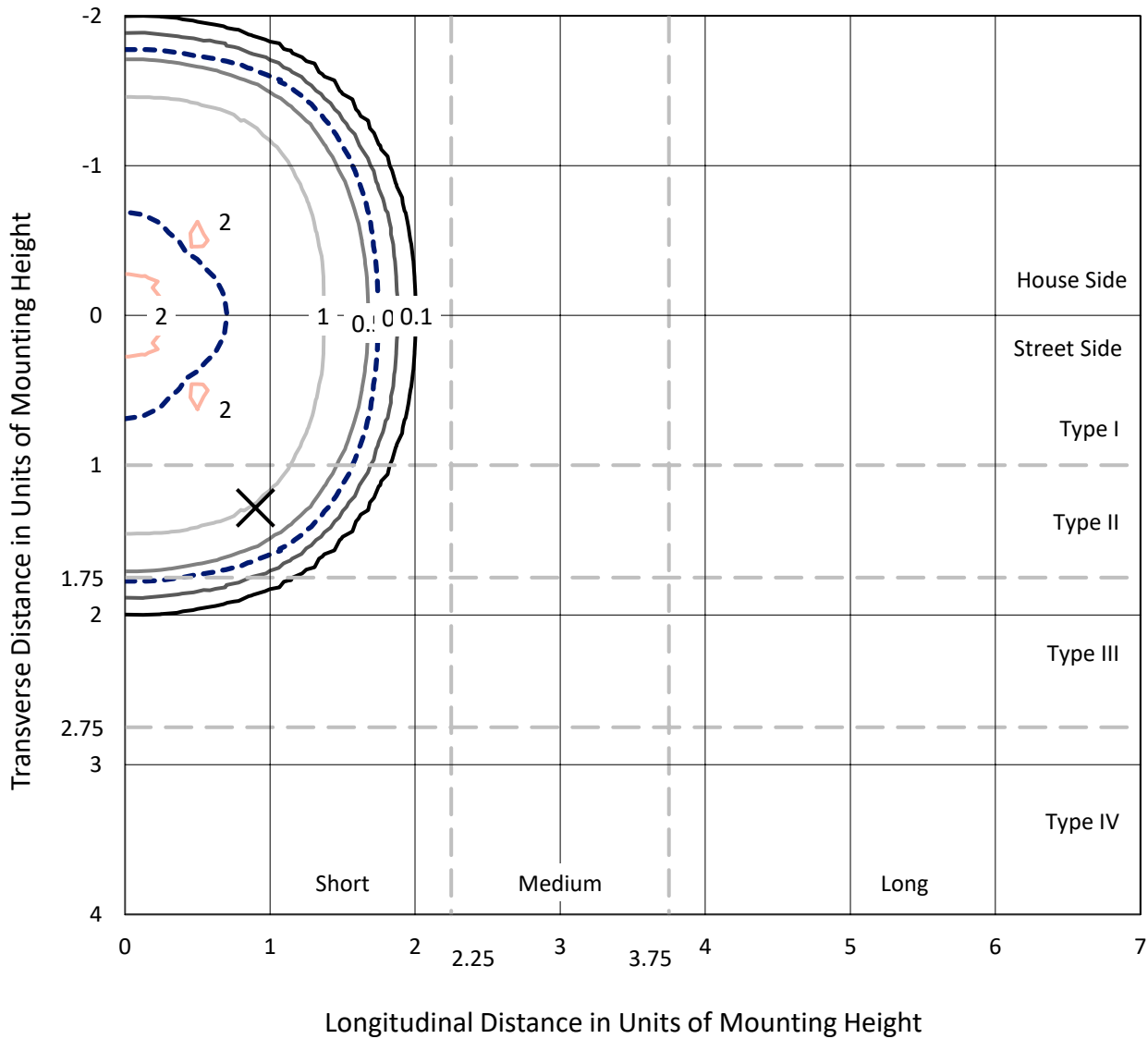
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

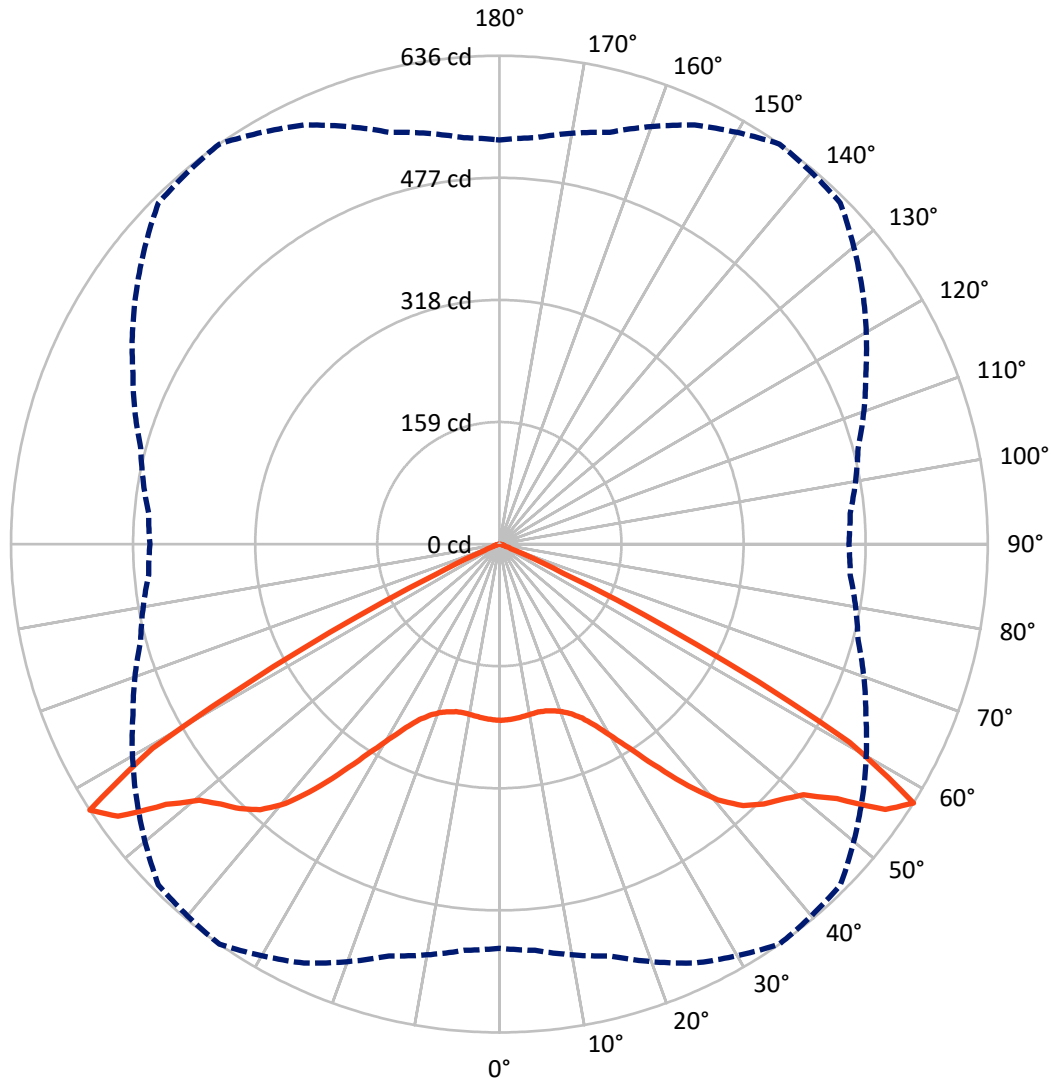
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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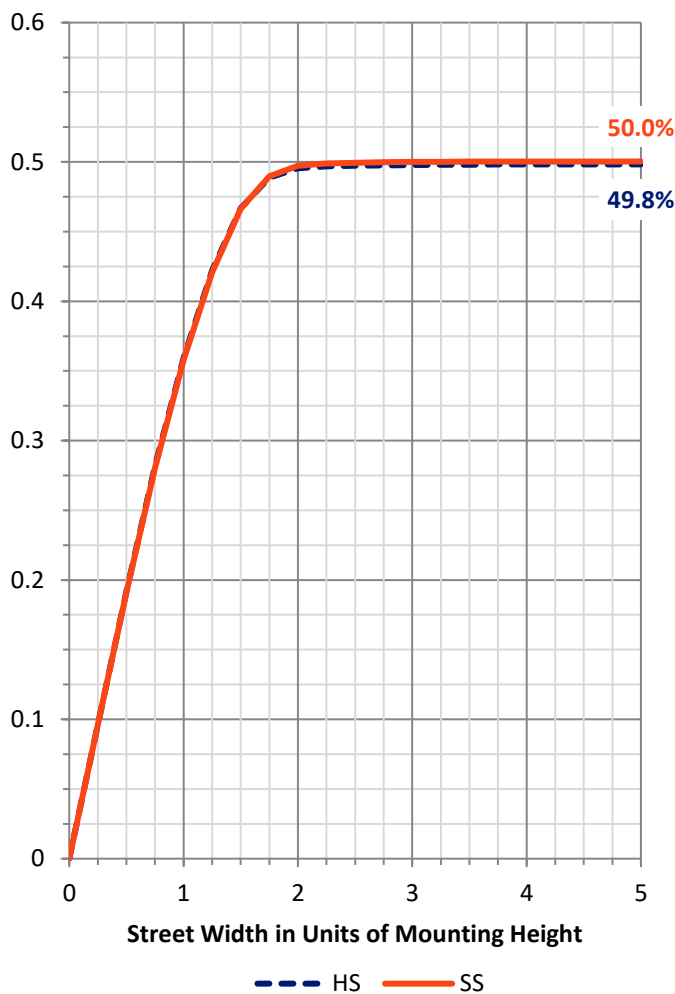
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.2	0.0	690.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	690.2	0.0	690.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	1380.3	0.0	1380.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.6
10°-20°	63.6	4.6
20°-30°	115.0	8.3
30°-40°	214.5	15.5
40°-50°	359.8	26.1
50°-60°	475.1	34.4
60°-70°	126.2	9.1
70°-80°	4.5	0.3
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°	1380.3	100.0
0°-180°	1380.3	100.0

Coefficient of Utilization



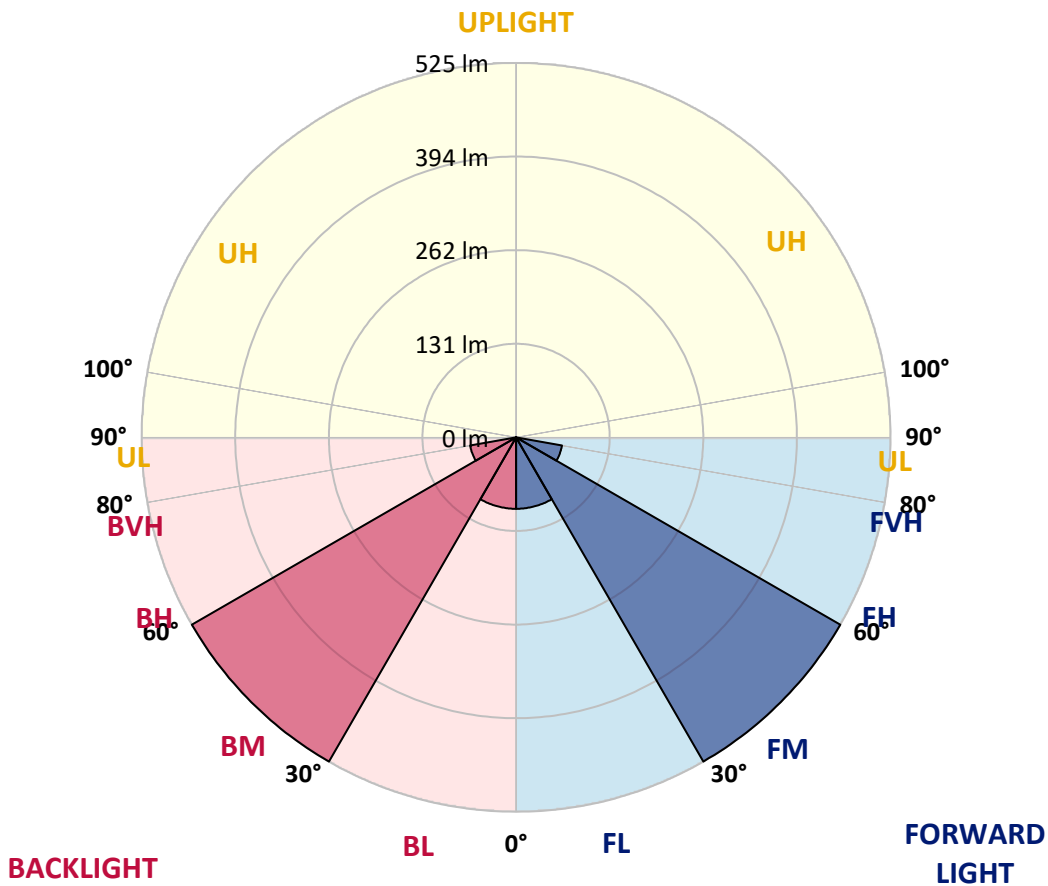
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.1	7.3			
FM (30°-60°)	524.7	38.0			
FH (60°-80°)	65.3	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	100.1	7.3	B0/110		
BM (30°-60°)	524.7	38.0	B1/1000		
BH (60°-80°)	65.3	4.7	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°	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5
2.5°	227.9	227.7	228.4	228.8	228.8	230.0	229.6	229.3	229.0	228.5	229.6
5°	227.5	227.4	227.9	228.2	227.9	228.8	228.2	227.5	227.2	226.6	227.9
7.5°	226.1	226.2	226.6	226.9	226.4	227.2	226.4	225.4	224.6	224.0	225.1
10°	223.8	224.0	224.3	225.0	225.1	226.2	225.1	223.3	222.2	221.2	222.4
12.5°	222.7	222.8	223.3	224.1	224.3	225.8	224.3	221.7	220.1	219.0	220.1
15°	223.0	223.3	224.0	225.0	225.3	226.7	224.8	221.4	219.1	217.7	218.6
17.5°	224.1	224.5	225.4	227.1	228.2	229.6	227.2	222.8	219.8	217.7	218.6
20°	225.6	226.1	227.7	230.3	232.7	235.3	232.2	226.2	222.2	219.6	220.4
22.5°	229.6	230.1	232.4	235.8	239.9	243.1	239.4	231.8	226.2	222.8	223.7
25°	237.9	238.4	241.3	245.7	250.9	255.1	250.4	240.8	233.7	229.8	230.1
27.5°	250.9	251.4	254.8	260.9	267.9	273.9	267.1	255.9	247.8	243.3	243.3
30°	267.2	267.9	272.4	280.7	291.5	299.5	290.2	276.6	266.3	260.1	260.3
32.5°	288.3	287.6	294.1	305.4	320.8	331.4	317.8	301.2	288.4	279.9	280.7
35°	315.3	315.2	322.4	337.8	357.9	370.5	354.4	333.0	317.6	308.8	309.0
37.5°	350.1	350.0	358.4	375.1	399.2	409.7	391.6	369.9	353.4	345.0	345.9
40°	391.0	390.0	397.4	413.5	437.6	444.4	424.6	407.1	391.3	385.9	388.5
42.5°	429.8	427.7	432.1	446.7	465.3	466.3	451.4	439.4	428.5	424.3	425.9
45°	461.1	459.5	463.5	471.9	482.6	477.8	470.6	466.9	458.2	453.6	455.1
47.5°	484.4	484.4	489.3	494.4	496.1	487.2	488.3	488.3	479.5	472.4	470.6
50°	504.5	505.9	513.2	518.6	513.2	501.9	508.4	507.1	489.3	475.0	471.3
52.5°	536.6	538.0	549.2	556.5	550.5	539.3	540.1	523.9	497.7	480.8	475.0
55°	570.6	574.1	590.3	609.8	609.9	598.4	577.0	548.4	516.5	498.2	492.2
57.5°	526.0	530.9	555.0	601.8	635.7	627.7	576.7	526.3	483.3	458.3	454.9
60°	362.0	370.4	394.5	458.5	523.8	526.8	466.6	410.1	360.7	329.9	330.5
62.5°	152.9	161.5	175.1	227.7	287.6	291.4	262.2	221.7	181.4	159.2	162.6
65°	36.0	38.4	42.4	63.0	91.3	95.6	88.1	68.7	50.7	42.9	43.7
67.5°	15.7	16.0	15.2	16.2	20.1	20.6	19.9	17.5	16.5	16.8	16.8
70°	11.0	11.2	10.5	10.0	9.6	8.9	9.2	10.2	11.0	11.7	11.5
72.5°	6.8	7.0	7.1	7.1	6.6	6.0	6.3	7.0	7.1	7.3	7.1
75°	3.4	3.6	3.9	4.0	3.9	3.7	3.7	3.9	3.9	3.7	3.7
77.5°	0.6	0.8	1.1	1.3	1.3	1.3	1.3	1.3	1.5	1.3	1.3
80°	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
82.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.2	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	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
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)