

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: P628611

Luminaire Tested: GWS-SA1A-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628611
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-SA1A-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.1 lumens
Efficiency: N/A
Efficacy: 93.1 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

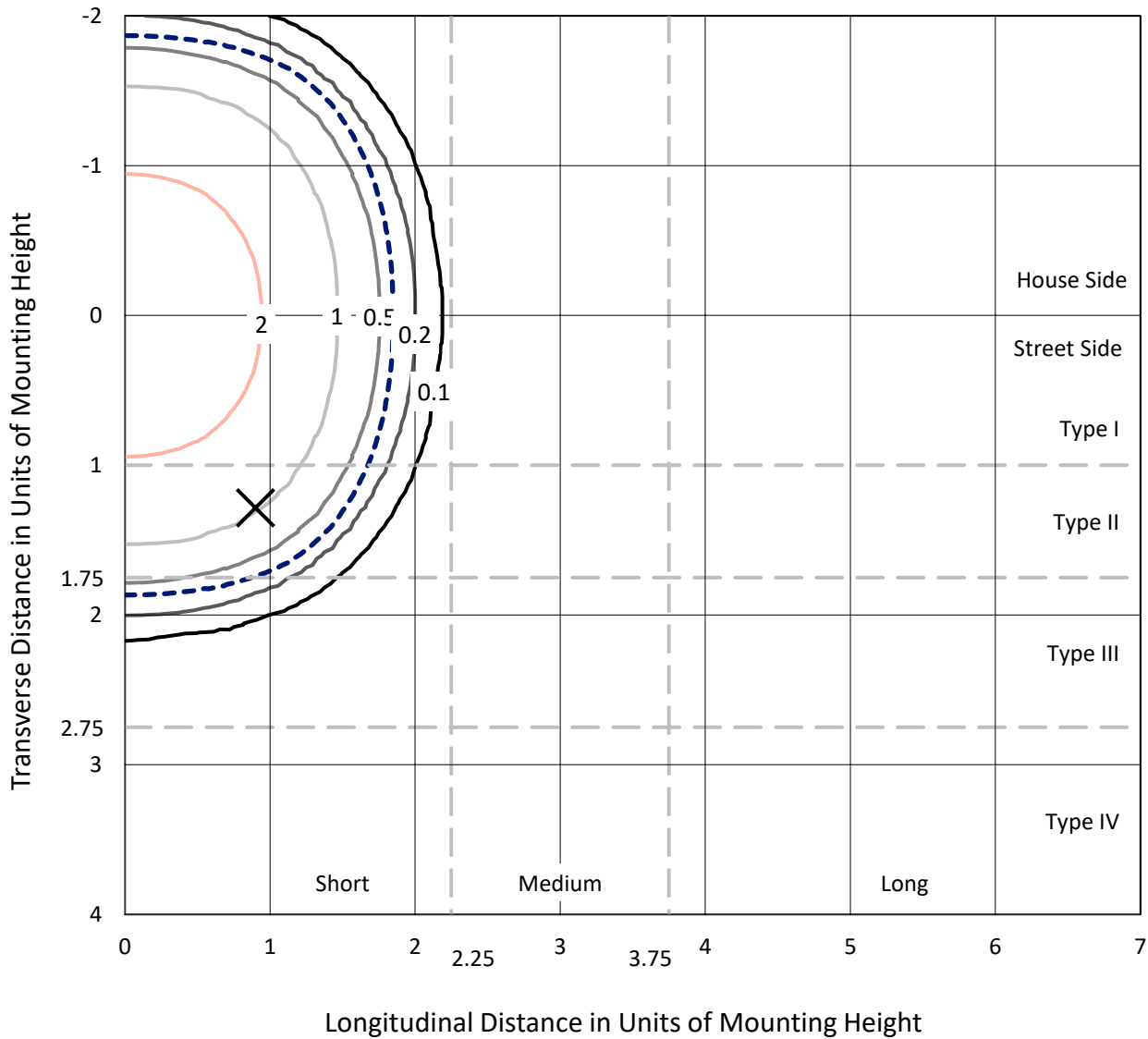
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

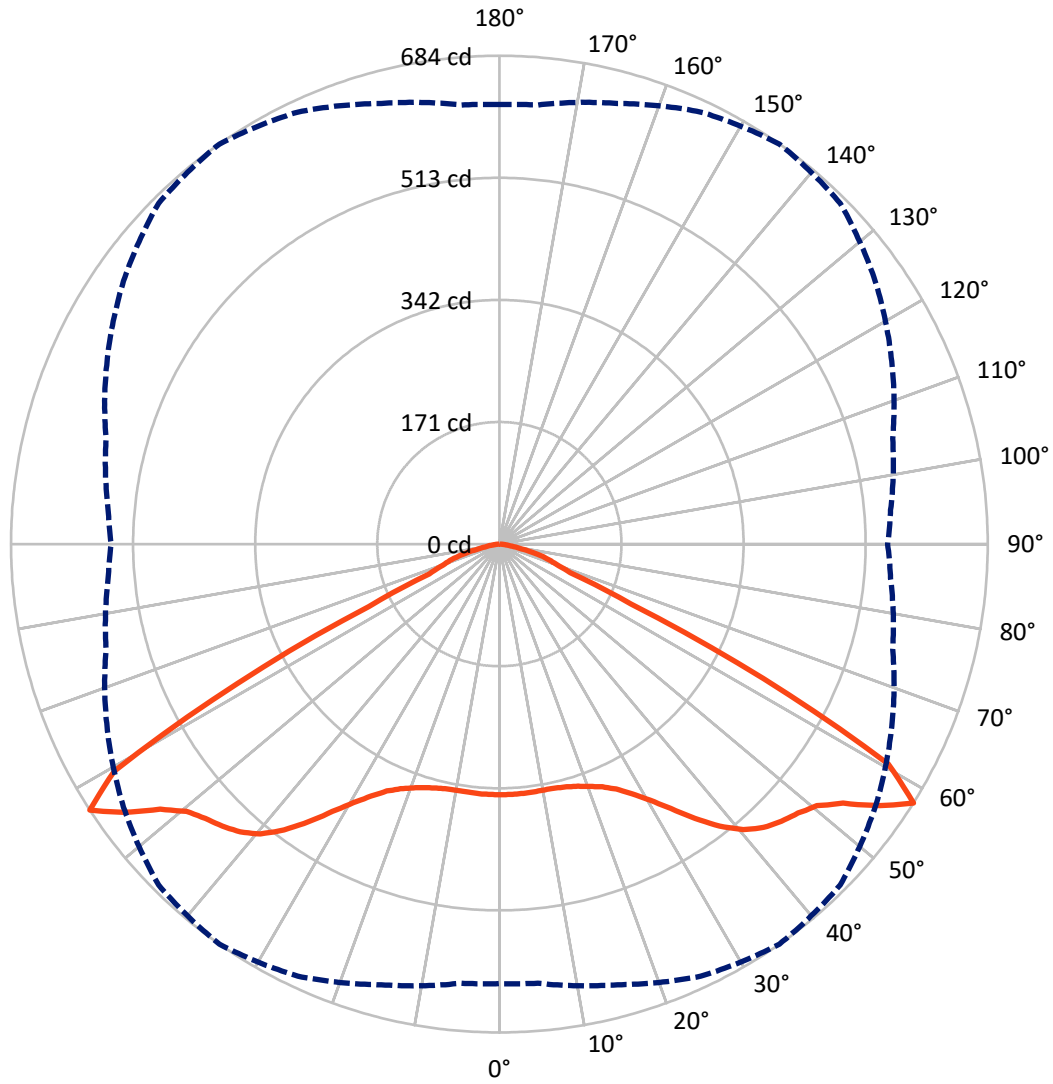
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 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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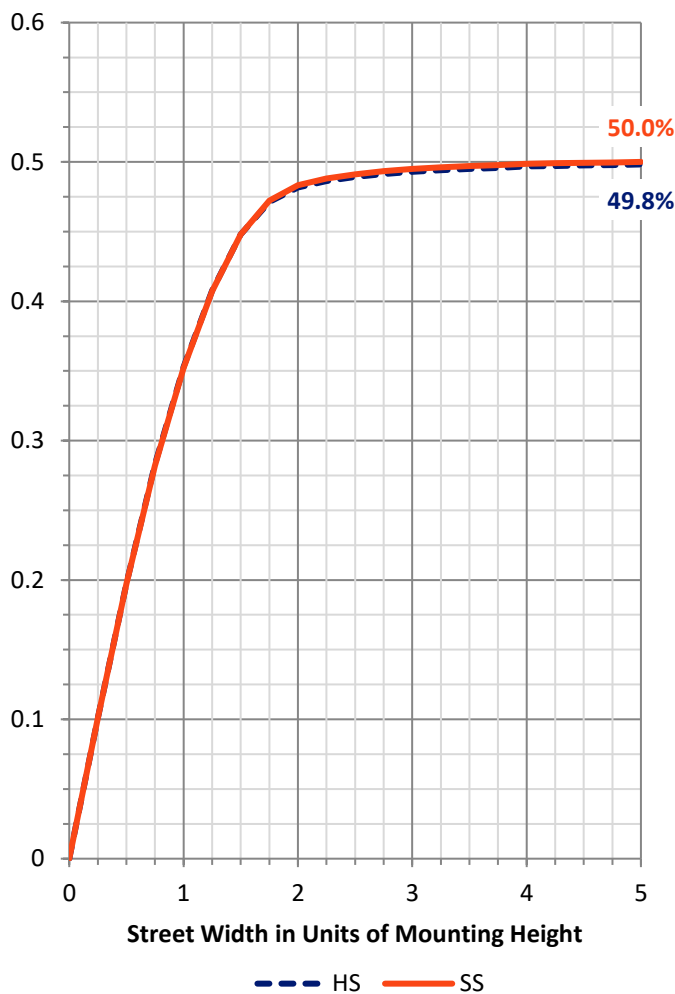
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	917.1	0.0	917.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	917.1	0.0	917.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	1834.1	0.0	1834.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.8
10°-20°	99.6	5.4
20°-30°	173.8	9.5
30°-40°	285.0	15.5
40°-50°	419.7	22.9
50°-60°	535.6	29.2
60°-70°	225.7	12.3
70°-80°	53.9	2.9
80°-90°	7.3	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°	1834.1	100.0
0°-180°	1834.1	100.0

Coefficient of Utilization



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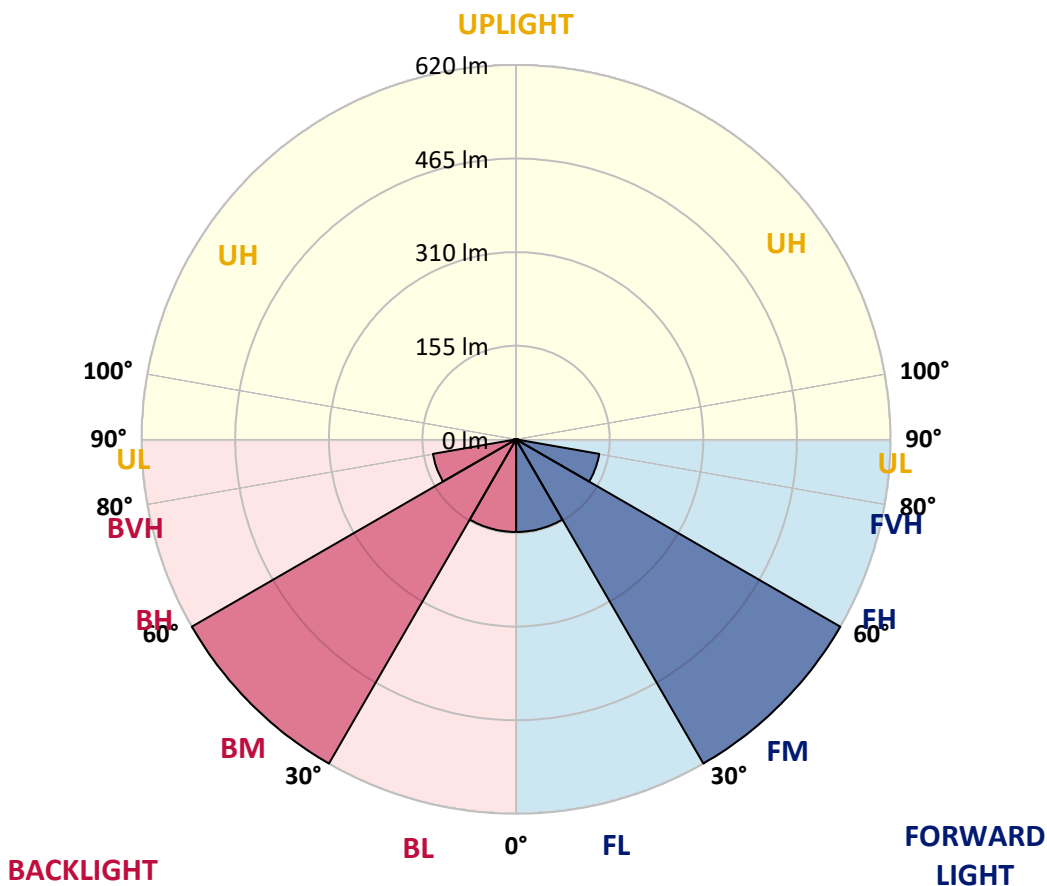
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.4	8.4			
FM (30°-60°)	620.2	33.8			
FH (60°-80°)	139.8	7.6			G0/660
FVH (80°-90°)	3.7	0.2			G0/10
BL (0°-30°)	153.4	8.4	B1/500		
BM (30°-60°)	620.2	33.8	B1/1000		
BH (60°-80°)	139.8	7.6	B1/500		G0/660
BVH (80°-90°)	3.7	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°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	348.8	348.8	349.6	350.3	350.6	352.0	351.8	351.4	351.1	350.2	351.4
5°	349.6	349.6	350.2	350.6	350.5	351.5	351.1	350.3	349.9	349.0	350.3
7.5°	349.4	349.4	349.9	350.3	350.0	350.9	350.2	349.1	348.4	347.5	348.7
10°	347.5	347.8	348.2	349.3	349.7	351.1	350.0	348.4	347.2	346.1	347.3
12.5°	347.2	347.5	348.1	349.4	350.2	352.1	350.8	348.1	346.3	344.9	346.1
15°	348.5	348.8	349.7	351.4	352.6	354.7	352.7	349.0	346.4	344.6	345.7
17.5°	350.2	350.6	352.0	354.4	356.3	358.6	356.2	351.7	348.1	345.7	346.6
20°	352.0	352.6	354.7	358.3	361.9	364.7	361.7	355.7	351.4	348.2	349.1
22.5°	355.1	355.9	358.6	363.7	369.1	373.3	369.6	361.4	355.7	351.7	352.4
25°	361.6	362.5	366.0	372.1	379.8	384.9	379.6	370.5	362.5	357.5	358.3
27.5°	373.0	373.5	378.0	386.1	395.5	401.4	395.1	384.3	375.4	369.7	370.3
30°	388.0	389.4	393.9	404.5	415.8	423.6	415.4	402.6	392.4	385.5	386.1
32.5°	406.3	407.2	414.0	425.1	441.3	450.3	439.1	423.9	411.6	403.2	403.8
35°	430.4	431.1	437.6	451.7	471.4	479.8	466.9	449.4	435.2	427.2	429.5
37.5°	459.1	460.4	465.1	479.0	500.9	509.2	494.3	478.1	463.3	455.9	457.6
40°	489.8	489.7	493.4	505.8	525.7	530.8	517.5	504.6	491.8	487.0	489.7
42.5°	516.3	515.5	518.2	528.4	542.2	542.7	533.8	526.6	517.6	514.3	516.9
45°	534.7	535.0	539.1	546.1	553.2	549.5	546.7	545.5	538.5	534.0	534.4
47.5°	549.3	550.5	557.0	561.8	562.7	556.4	560.1	561.9	556.1	549.2	547.2
50°	562.2	564.2	572.6	577.7	575.7	567.8	575.1	577.8	564.9	551.7	547.8
52.5°	585.6	587.9	598.1	604.7	602.5	594.5	601.4	591.8	570.0	553.8	548.9
55°	623.0	624.1	636.5	647.4	646.3	636.5	631.0	609.7	583.2	566.4	561.8
57.5°	615.1	616.9	638.5	667.3	683.5	674.7	642.1	605.8	569.9	549.6	543.3
60°	484.0	488.3	515.2	566.0	625.4	625.3	564.8	508.3	465.1	438.2	435.5
62.5°	282.6	285.6	310.1	361.4	414.8	418.1	375.6	336.8	299.0	280.8	272.1
65°	133.8	133.6	143.4	166.5	202.6	205.4	192.7	171.5	149.1	143.0	141.3
67.5°	98.8	98.8	98.1	99.7	106.6	108.1	106.6	103.2	101.1	102.4	101.5
70°	85.7	85.9	85.0	84.5	84.5	84.1	84.7	86.0	86.9	88.7	87.8
72.5°	69.5	69.7	69.7	69.8	70.0	69.4	70.3	71.0	71.2	71.8	71.2
75°	49.4	49.7	50.6	51.4	52.0	52.0	52.3	52.4	51.8	52.6	51.4
77.5°	27.2	27.5	29.1	30.5	31.8	32.0	32.4	32.7	32.4	33.0	32.1
80°	15.0	15.3	16.1	16.7	17.7	18.6	19.2	19.5	19.5	20.0	19.5
82.5°	8.6	8.9	9.3	9.6	10.5	11.3	11.9	12.3	12.3	12.5	12.2
85°	4.1	4.1	4.4	4.7	5.1	5.4	6.2	6.6	6.6	6.9	6.6
87.5°	0.6	0.8	0.9	0.9	1.2	1.5	1.8	2.0	2.3	2.4	2.4
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)