

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: P628885

Luminaire Tested: GWS-SA1A-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628885
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1777.3 lumens
Efficiency: N/A
Efficacy: 90.2 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

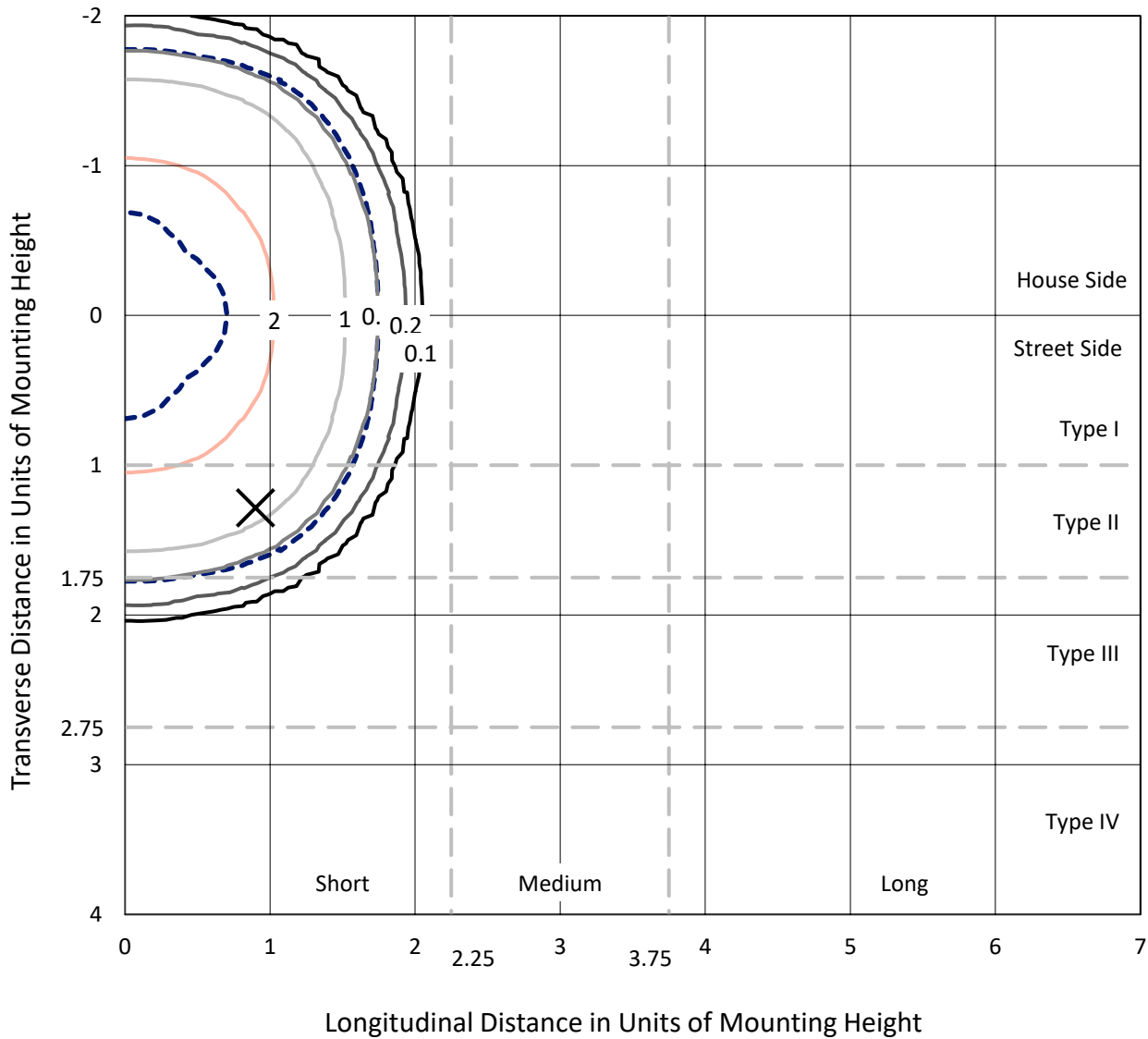
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

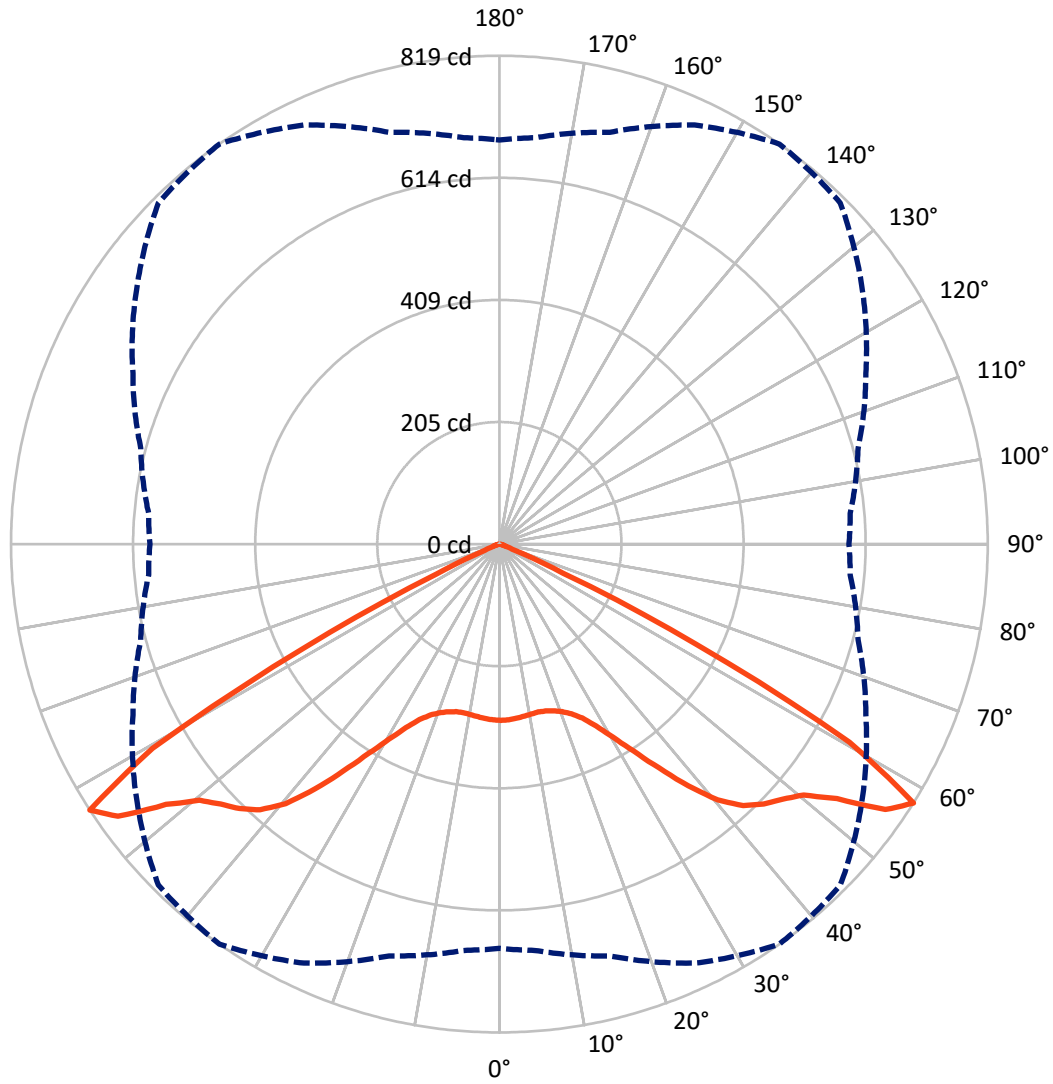
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 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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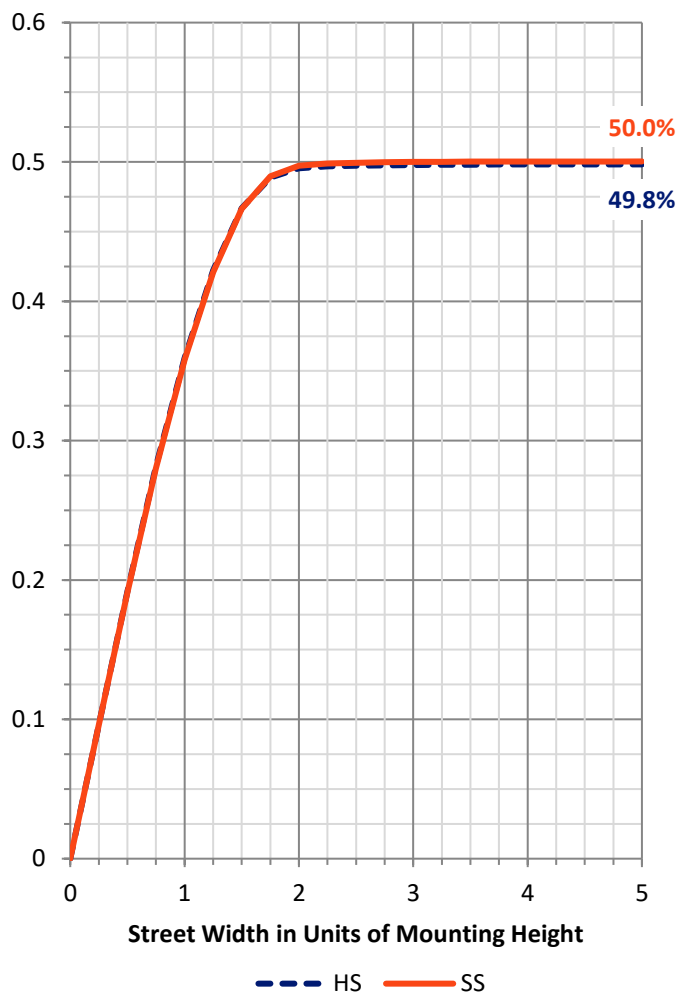
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	888.6	0.0	888.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	888.6	0.0	888.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1777.3	0.0	1777.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.6
10°-20°	81.9	4.6
20°-30°	148.0	8.3
30°-40°	276.2	15.5
40°-50°	463.3	26.1
50°-60°	611.8	34.4
60°-70°	162.5	9.1
70°-80°	5.8	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°	1777.3	100.0
0°-180°	1777.3	100.0

Coefficient of Utilization



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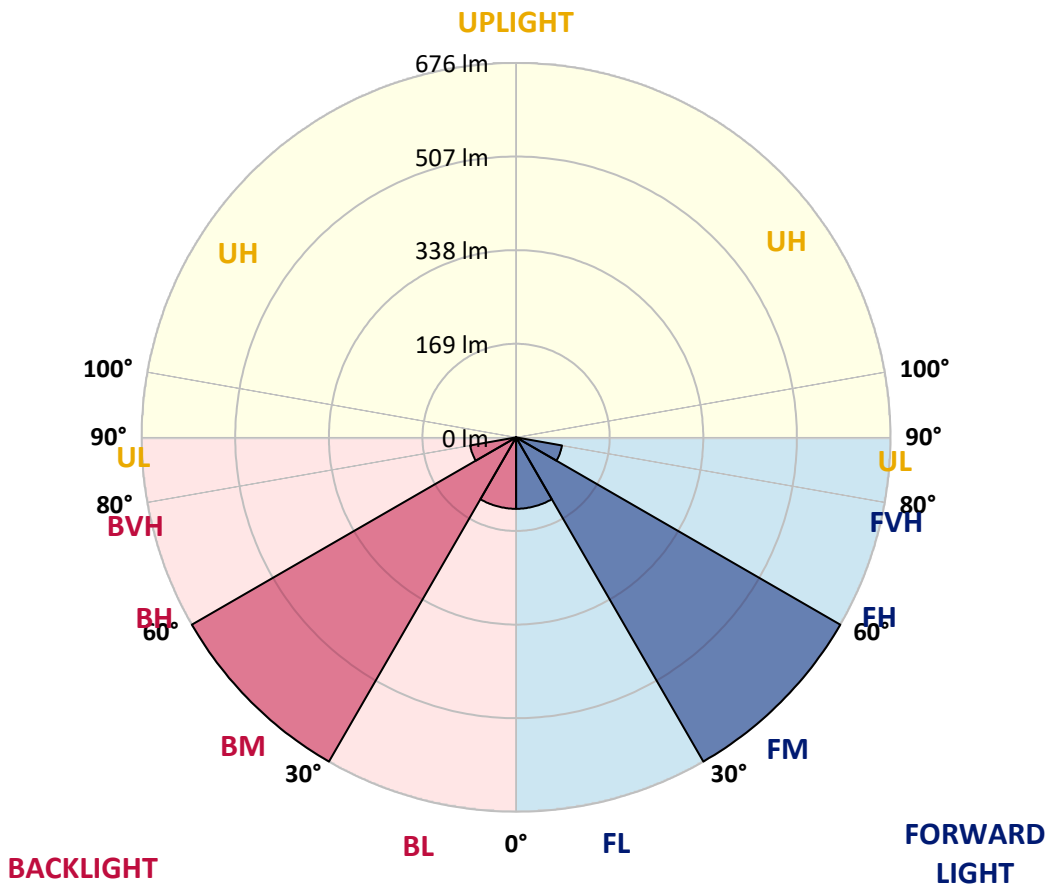
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.9	7.3			
FM (30°-60°)	675.6	38.0			
FH (60°-80°)	84.1	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	128.9	7.3	B1/500		
BM (30°-60°)	675.6	38.0	B1/1000		
BH (60°-80°)	84.1	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°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5
2.5°	293.4	293.2	294.0	294.7	294.7	296.1	295.7	295.3	294.9	294.2	295.7
5°	293.0	292.8	293.4	293.8	293.4	294.7	293.8	293.0	292.6	291.7	293.4
7.5°	291.1	291.3	291.7	292.2	291.5	292.6	291.5	290.3	289.2	288.4	289.9
10°	288.2	288.4	288.8	289.7	289.9	291.3	289.9	287.6	286.1	284.9	286.3
12.5°	286.7	286.9	287.6	288.6	288.8	290.7	288.8	285.5	283.4	281.9	283.4
15°	287.2	287.6	288.4	289.7	290.1	291.9	289.4	285.1	282.1	280.3	281.5
17.5°	288.6	289.0	290.3	292.4	293.8	295.7	292.6	286.9	283.0	280.3	281.5
20°	290.5	291.1	293.2	296.5	299.7	303.0	299.0	291.3	286.1	282.8	283.8
22.5°	295.7	296.3	299.2	303.6	308.8	313.0	308.2	298.4	291.3	286.9	288.0
25°	306.3	307.0	310.7	316.3	323.0	328.4	322.4	310.1	300.9	295.9	296.3
27.5°	323.0	323.6	328.0	335.9	344.9	352.6	343.9	329.5	319.1	313.2	313.2
30°	344.1	344.9	350.8	361.4	375.4	385.6	373.7	356.2	342.8	334.9	335.1
32.5°	371.2	370.4	378.7	393.3	413.1	426.7	409.1	387.9	371.4	360.3	361.4
35°	406.0	405.8	415.2	435.0	460.9	477.1	456.3	428.7	408.9	397.7	397.9
37.5°	450.8	450.6	461.5	483.0	514.0	527.6	504.2	476.3	455.0	444.2	445.4
40°	503.4	502.1	511.7	532.4	563.5	572.2	546.8	524.3	503.8	496.9	500.3
42.5°	553.4	550.7	556.4	575.1	599.1	600.4	581.2	565.8	551.8	546.4	548.4
45°	593.7	591.6	596.8	607.7	621.4	615.2	606.0	601.2	589.9	584.1	586.0
47.5°	623.7	623.7	630.0	636.7	638.7	627.3	628.7	628.7	617.5	608.3	606.0
50°	649.6	651.5	660.8	667.7	660.8	646.2	654.6	652.9	630.0	611.6	606.8
52.5°	690.9	692.7	707.1	716.5	708.8	694.4	695.5	674.6	640.8	619.1	611.6
55°	734.7	739.3	760.1	785.1	785.3	770.5	743.0	706.1	665.0	641.4	633.7
57.5°	677.3	683.6	714.6	774.9	818.5	808.3	742.6	677.7	622.3	590.2	585.8
60°	466.1	476.9	508.0	590.4	674.4	678.4	600.8	528.0	464.4	424.8	425.6
62.5°	196.9	207.9	225.4	293.2	370.4	375.2	337.6	285.5	233.6	205.0	209.4
65°	46.3	49.4	54.6	81.1	117.6	123.0	113.4	88.4	65.3	55.3	56.3
67.5°	20.2	20.6	19.6	20.9	25.9	26.5	25.6	22.5	21.3	21.7	21.7
70°	14.2	14.4	13.6	12.9	12.3	11.5	11.9	13.1	14.2	15.0	14.8
72.5°	8.8	9.0	9.2	9.2	8.5	7.7	8.1	9.0	9.2	9.4	9.2
75°	4.4	4.6	5.0	5.2	5.0	4.8	4.8	5.0	5.0	4.8	4.8
77.5°	0.8	1.0	1.5	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.7
80°	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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)