

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: P628830

Luminaire Tested: GWS-SA1A-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628830
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1737.5 lumens
Efficiency: N/A
Efficacy: 88.2 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

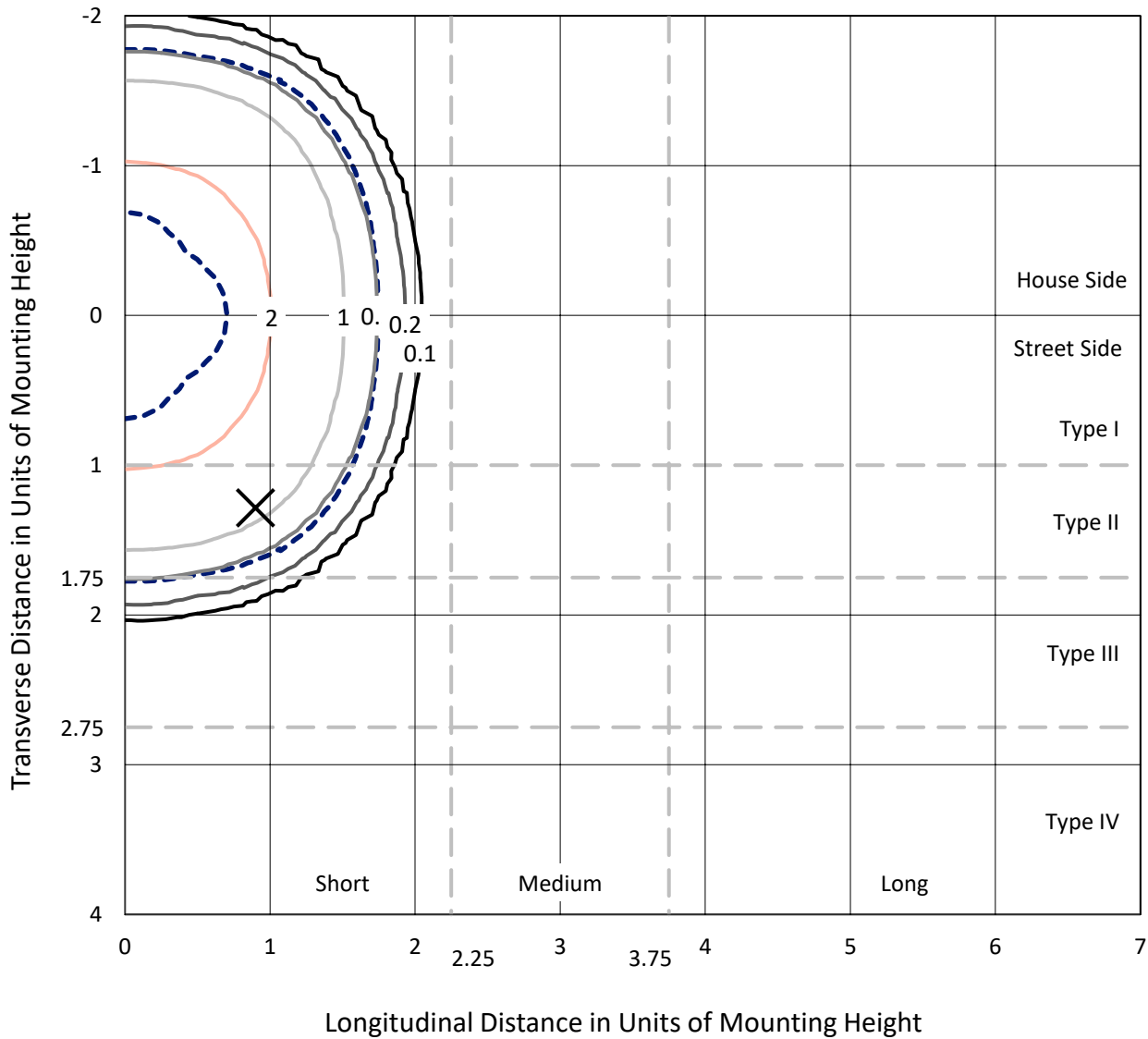
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

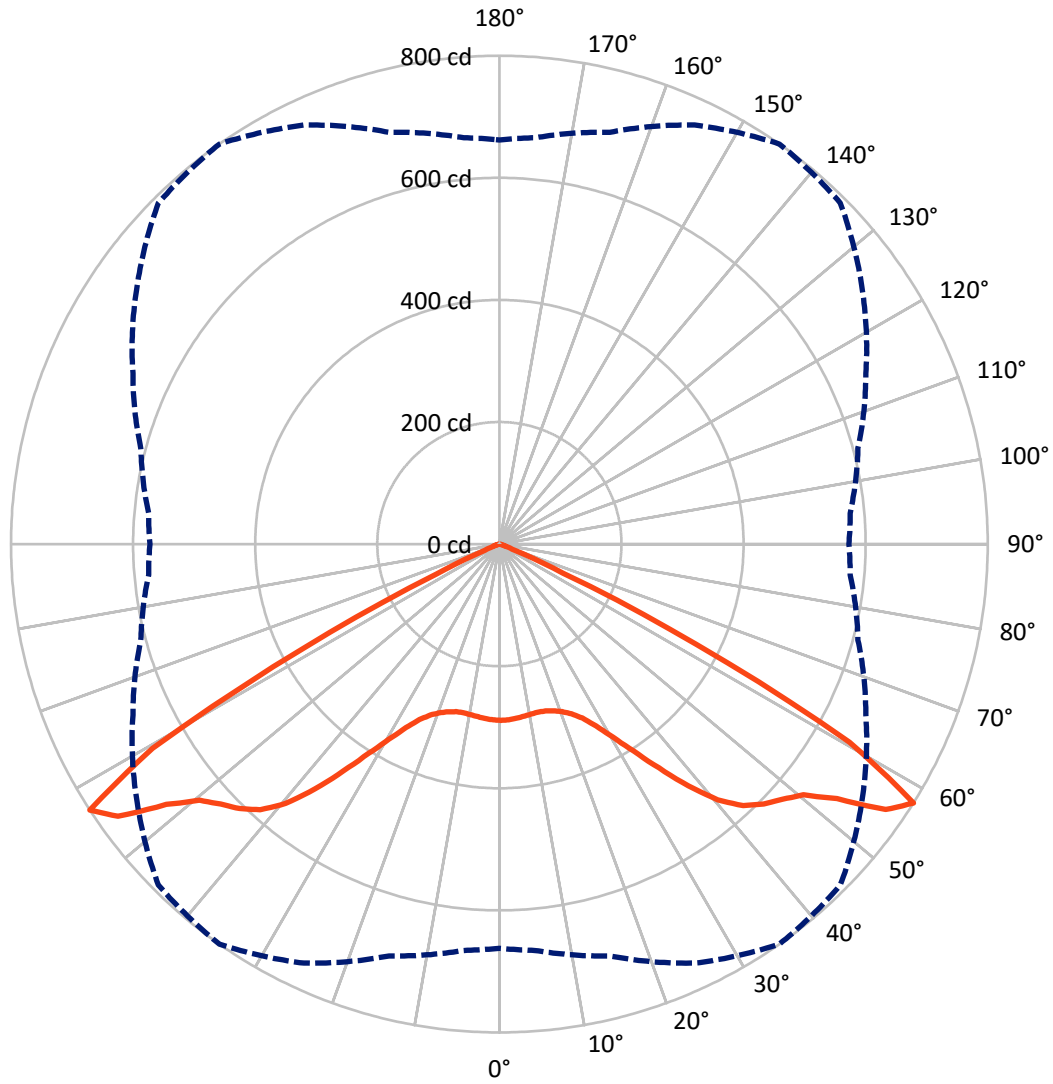
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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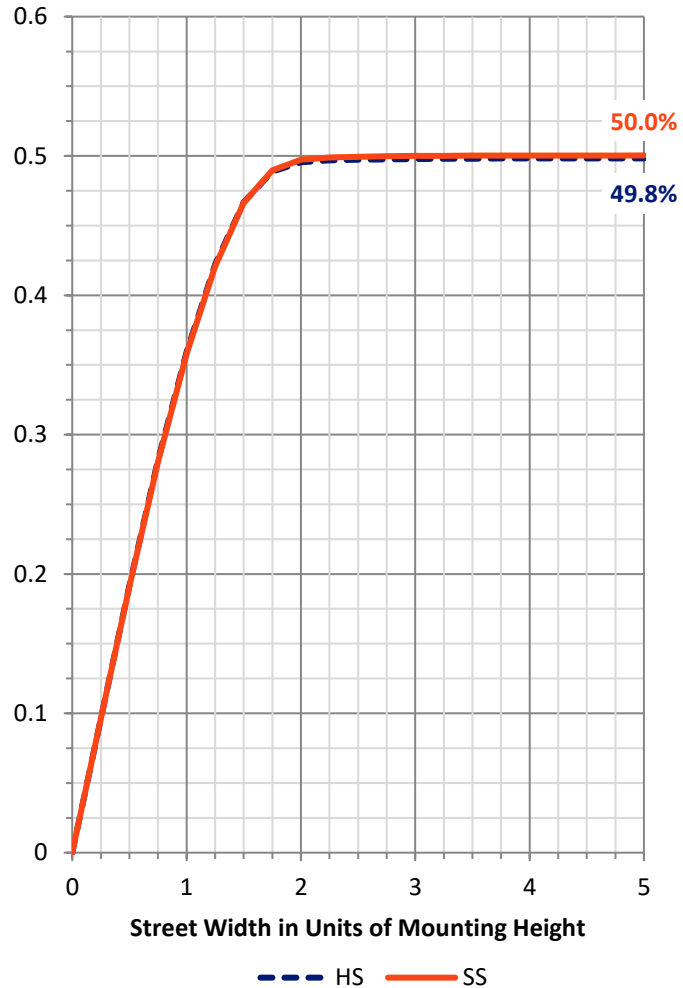
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	868.8	0.0	868.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	868.8	0.0	868.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	1737.5	0.0	1737.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	1.6
10°-20°	80.1	4.6
20°-30°	144.7	8.3
30°-40°	270.0	15.5
40°-50°	452.9	26.1
50°-60°	598.1	34.4
60°-70°	158.8	9.1
70°-80°	5.6	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°	1737.5	100.0
0°-180°	1737.5	100.0

Coefficient of Utilization



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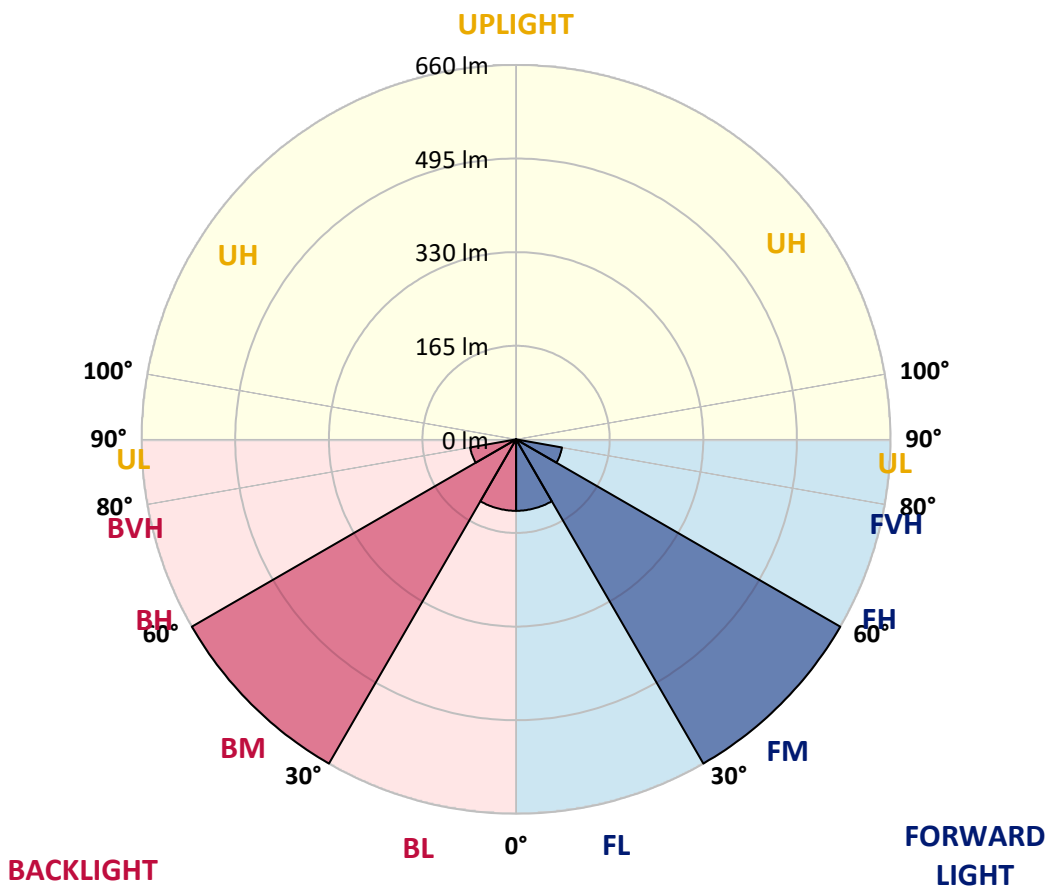
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.0	7.3			
FM (30°-60°)	660.5	38.0			
FH (60°-80°)	82.2	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	126.0	7.3	B1/500		
BM (30°-60°)	660.5	38.0	B1/1000		
BH (60°-80°)	82.2	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°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	286.8	286.6	287.4	288.1	288.1	289.5	289.1	288.7	288.3	287.7	289.1
5°	286.4	286.2	286.8	287.2	286.8	288.1	287.2	286.4	286.0	285.2	286.8
7.5°	284.6	284.8	285.2	285.6	285.0	286.0	285.0	283.8	282.8	281.9	283.4
10°	281.7	281.9	282.4	283.2	283.4	284.8	283.4	281.1	279.7	278.5	279.9
12.5°	280.3	280.5	281.1	282.1	282.4	284.2	282.4	279.1	277.1	275.6	277.1
15°	280.7	281.1	281.9	283.2	283.6	285.4	283.0	278.7	275.8	274.0	275.2
17.5°	282.1	282.6	283.8	285.8	287.2	289.1	286.0	280.5	276.6	274.0	275.2
20°	284.0	284.6	286.6	289.9	293.0	296.2	292.3	284.8	279.7	276.4	277.5
22.5°	289.1	289.7	292.5	296.8	301.9	306.0	301.3	291.7	284.8	280.5	281.5
25°	299.5	300.1	303.8	309.3	315.8	321.1	315.2	303.1	294.2	289.3	289.7
27.5°	315.8	316.4	320.7	328.4	337.2	344.7	336.2	322.1	311.9	306.2	306.2
30°	336.4	337.2	342.9	353.3	367.0	376.9	365.3	348.2	335.2	327.4	327.6
32.5°	362.9	362.1	370.2	384.5	403.9	417.1	400.0	379.2	363.1	352.3	353.3
35°	396.9	396.7	405.9	425.3	450.5	466.4	446.1	419.1	399.8	388.8	389.0
37.5°	440.8	440.5	451.2	472.1	502.5	515.8	492.9	465.6	444.8	434.2	435.5
40°	492.1	490.9	500.3	520.5	550.8	559.4	534.5	512.5	492.5	485.8	489.1
42.5°	541.1	538.4	543.9	562.3	585.7	586.9	568.2	553.1	539.4	534.1	536.2
45°	580.4	578.4	583.5	594.1	607.5	601.4	592.4	587.7	576.7	571.0	572.9
47.5°	609.8	609.8	615.9	622.4	624.4	613.2	614.6	614.6	603.6	594.7	592.4
50°	635.0	636.9	646.0	652.8	646.0	631.8	639.9	638.3	615.9	597.9	593.2
52.5°	675.4	677.2	691.3	700.5	692.9	678.9	679.9	659.5	626.5	605.3	597.9
55°	718.2	722.7	743.1	767.5	767.8	753.3	726.4	690.3	650.1	627.1	619.5
57.5°	662.1	668.3	698.6	757.6	800.2	790.2	726.0	662.6	608.3	576.9	572.7
60°	455.6	466.2	496.6	577.1	659.3	663.2	587.3	516.2	454.0	415.3	416.1
62.5°	192.4	203.3	220.4	286.6	362.1	366.8	330.1	279.1	228.3	200.4	204.7
65°	45.3	48.3	53.4	79.3	115.0	120.3	110.9	86.4	63.8	54.0	55.0
67.5°	19.8	20.2	19.2	20.4	25.3	25.9	25.1	22.0	20.8	21.2	21.2
70°	13.9	14.1	13.3	12.6	12.0	11.2	11.6	12.8	13.9	14.7	14.5
72.5°	8.6	8.8	9.0	9.0	8.4	7.5	8.0	8.8	9.0	9.2	9.0
75°	4.3	4.5	4.9	5.1	4.9	4.7	4.7	4.9	4.9	4.7	4.7
77.5°	0.8	1.0	1.4	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.6
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)