

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: P628615

Luminaire Tested: GWS-SA1A-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2189.4 lumens
Efficiency: N/A
Efficacy: 111.1 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

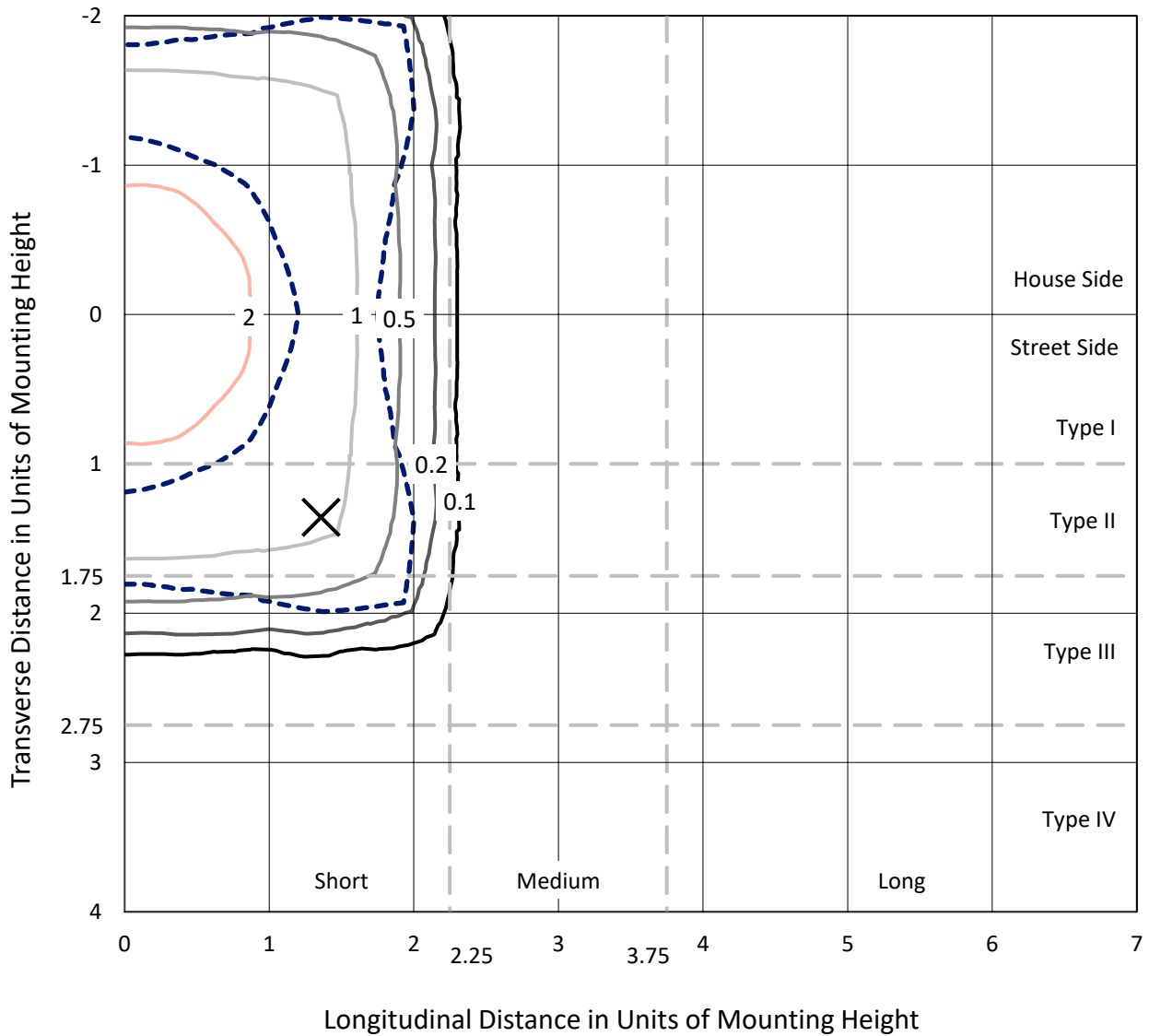
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

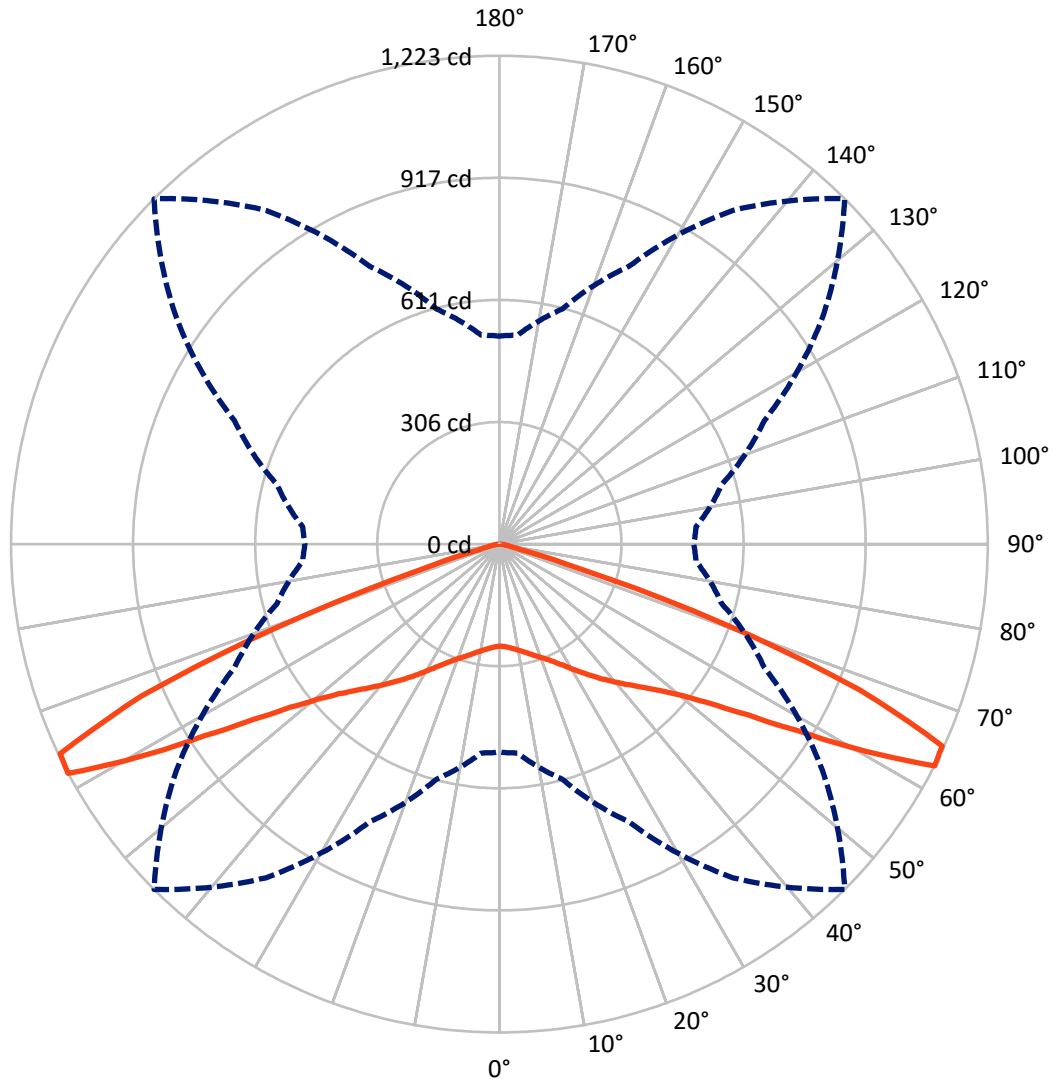
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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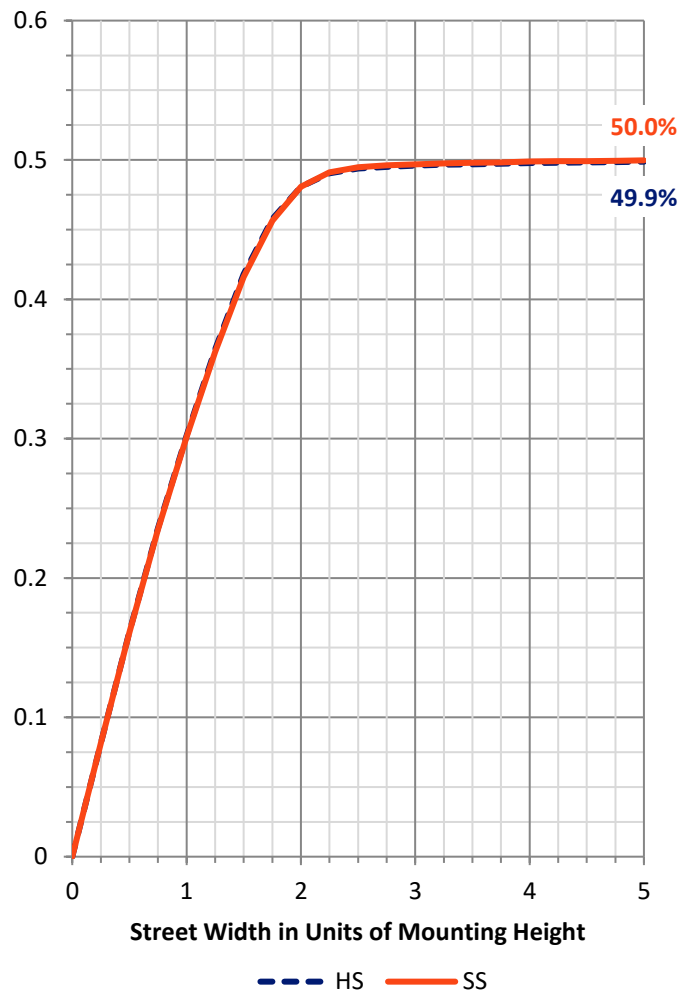
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1094.7	0.0	1094.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1094.7	0.0	1094.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2189.4	0.0	2189.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.1
10°-20°	80.8	3.7
20°-30°	152.9	7.0
30°-40°	257.3	11.8
40°-50°	411.2	18.8
50°-60°	662.8	30.3
60°-70°	540.7	24.7
70°-80°	52.5	2.4
80°-90°	6.1	0.3
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°	2189.4	100.0
0°-180°	2189.4	100.0

Coefficient of Utilization



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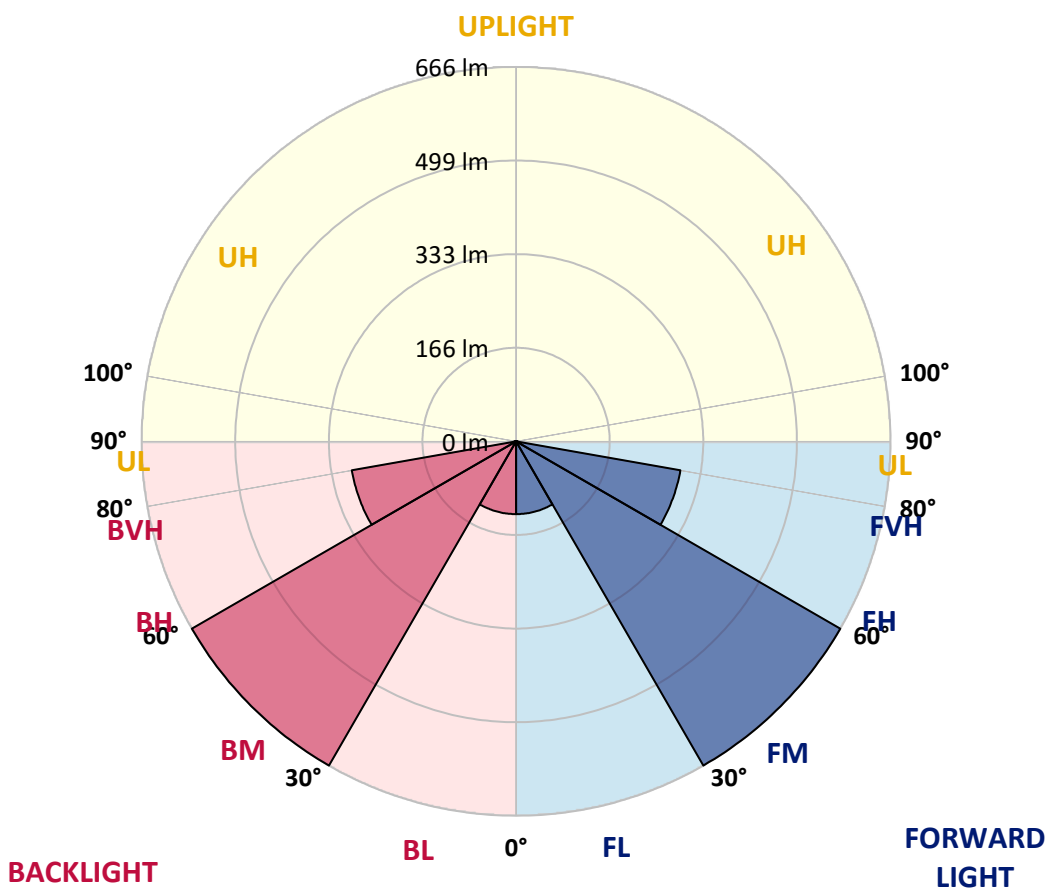
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.4	5.9			
FM (30°-60°)	665.6	30.4			
FH (60°-80°)	296.6	13.5			G0/660
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	129.4	5.9	B1/500		
BM (30°-60°)	665.6	30.4	B1/1000		
BH (60°-80°)	296.6	13.5	B1/500		G0/660
BVH (80°-90°)	3.1	0.1			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°	255.4	255.4	255.4	255.4	255.4	255.4	255.4	255.4	255.4	255.4	255.4
2.5°	255.1	255.1	255.7	256.2	255.9	257.1	256.9	256.6	256.5	256.0	257.4
5°	258.6	258.6	259.0	259.5	258.7	260.2	259.6	259.3	259.2	258.6	259.8
7.5°	262.5	262.9	263.1	263.8	263.4	265.0	264.6	264.0	263.7	262.9	264.0
10°	266.8	267.1	267.3	268.6	268.8	270.7	270.3	269.5	268.9	268.2	269.7
12.5°	272.7	272.8	273.3	274.9	275.4	276.9	276.7	275.7	274.9	273.9	275.5
15°	280.2	280.3	281.1	282.8	283.5	285.3	284.7	283.1	282.0	280.8	282.2
17.5°	288.0	288.6	289.4	291.0	292.1	294.2	293.4	291.6	290.7	289.5	290.4
20°	298.1	298.2	298.7	300.5	301.2	303.6	303.8	302.0	301.5	300.3	301.7
22.5°	309.2	309.3	309.8	311.7	313.1	314.6	315.5	314.4	313.7	312.2	313.8
25°	321.5	323.0	323.4	325.8	327.3	328.3	329.3	328.9	327.8	326.0	326.7
27.5°	338.8	339.1	339.8	342.5	343.4	344.3	345.4	345.5	344.0	341.9	343.0
30°	358.4	358.3	359.9	362.0	362.8	363.5	365.0	365.9	364.0	361.7	362.8
32.5°	378.6	380.4	382.5	384.4	384.0	384.3	386.7	388.3	385.6	381.6	382.5
35°	401.2	402.4	405.1	408.0	407.4	406.9	408.4	410.1	406.3	401.1	402.4
37.5°	424.5	426.3	430.4	433.8	432.9	430.8	432.5	434.3	430.7	424.7	424.1
40°	450.5	453.3	459.2	462.0	459.6	455.6	458.4	462.8	459.2	452.3	450.6
42.5°	481.0	484.4	490.3	494.6	489.4	482.8	487.6	493.9	493.0	483.8	481.0
45°	518.7	520.9	528.1	530.2	522.4	513.2	522.0	531.6	529.3	519.4	515.7
47.5°	559.6	563.1	569.4	573.3	560.7	549.3	561.5	574.4	572.0	562.7	558.3
50°	611.9	616.4	624.7	628.0	610.6	597.5	613.1	629.5	624.8	612.4	606.6
52.5°	668.8	672.4	686.5	693.1	676.8	662.7	676.3	692.4	682.5	666.0	658.3
55°	719.0	722.6	743.3	765.2	764.5	754.7	761.6	761.9	735.0	707.7	699.6
57.5°	729.8	733.4	772.9	830.2	870.8	882.0	861.8	819.1	751.4	703.5	694.3
60°	672.1	676.2	738.9	843.8	977.1	1052.3	958.9	817.9	700.8	635.9	627.2
62.5°	520.8	525.1	609.5	766.9	1020.0	1222.8	987.2	731.9	576.5	494.3	486.7
65°	248.7	248.7	355.9	550.0	934.4	1218.7	905.5	541.5	347.0	266.5	259.9
67.5°	61.6	61.9	91.6	214.1	635.6	972.6	646.0	259.9	122.2	86.5	84.2
70°	38.4	38.3	42.5	58.0	222.4	590.3	264.1	78.4	49.7	43.8	43.5
72.5°	29.9	29.9	32.0	37.1	58.3	201.1	77.0	43.5	36.0	32.4	32.4
75°	23.6	23.6	25.1	27.8	34.4	51.8	41.0	32.3	27.9	25.5	25.2
77.5°	17.6	17.9	19.1	20.9	23.4	29.1	26.0	24.3	21.8	20.0	19.4
80°	11.4	11.9	13.4	14.4	15.3	19.2	17.0	17.7	16.5	14.4	14.1
82.5°	6.2	6.3	8.1	8.4	8.7	10.5	10.8	11.3	11.7	9.2	8.6
85°	2.3	2.3	2.7	3.2	3.5	3.8	5.1	6.3	6.6	5.3	5.1
87.5°	0.5	0.5	0.5	0.3	0.3	0.3	0.9	1.7	2.7	2.1	2.1
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)