

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: P628780

Luminaire Tested: GWS-SA1A-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628780
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-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2931.6 lumens
Efficiency: N/A
Efficacy: 148.8 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

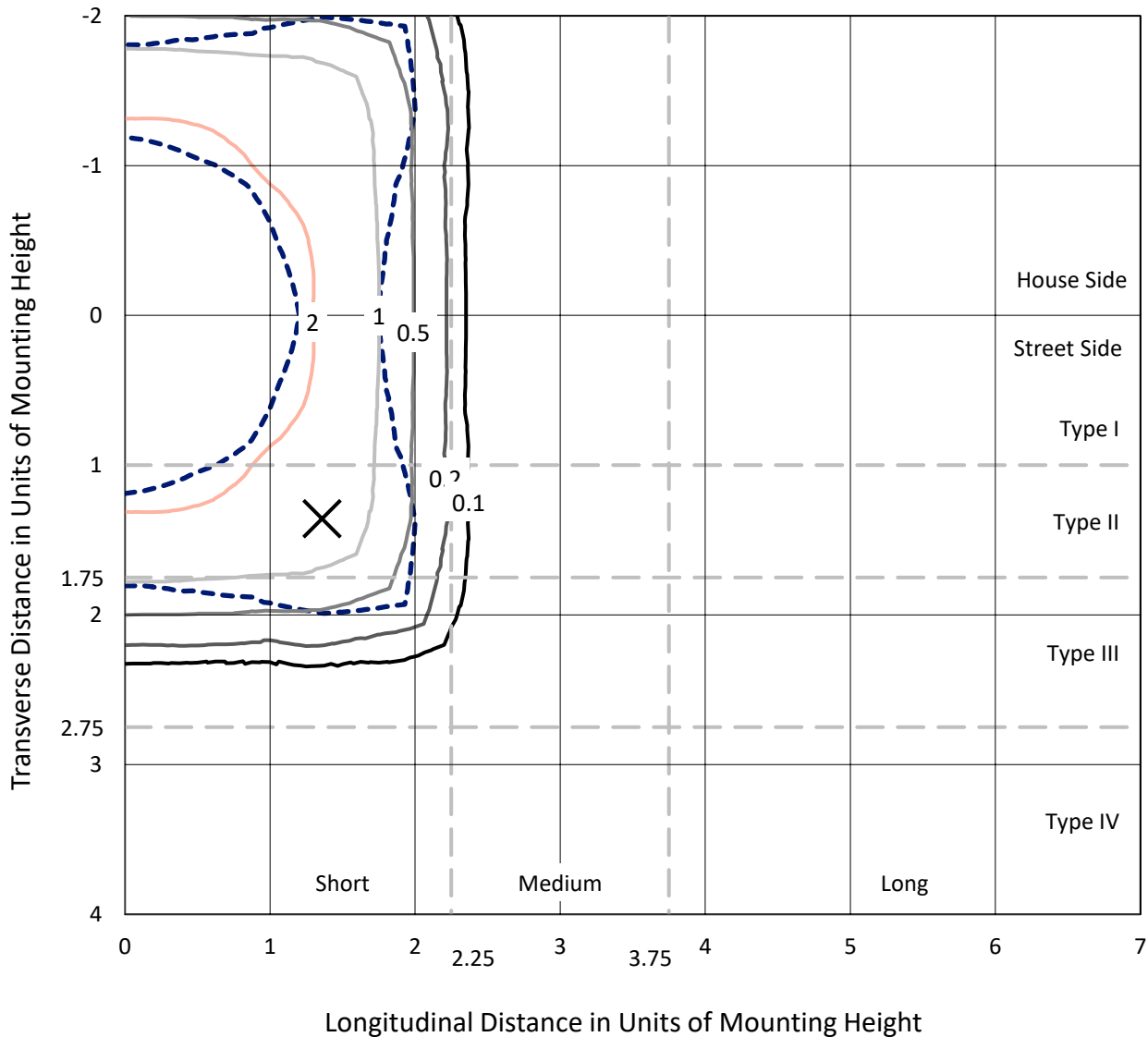
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

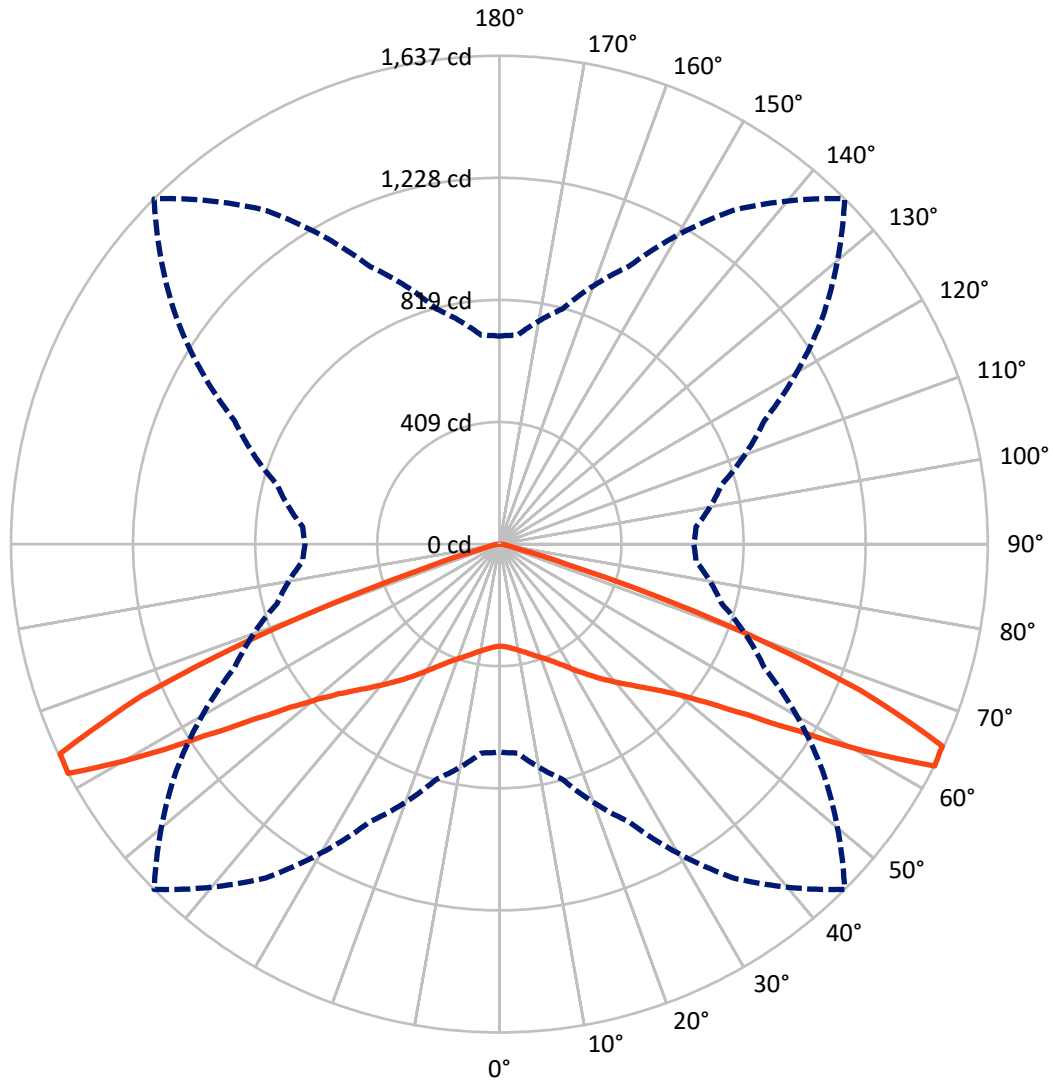
✕ Max cd
 - - - 1/2 Max cd



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

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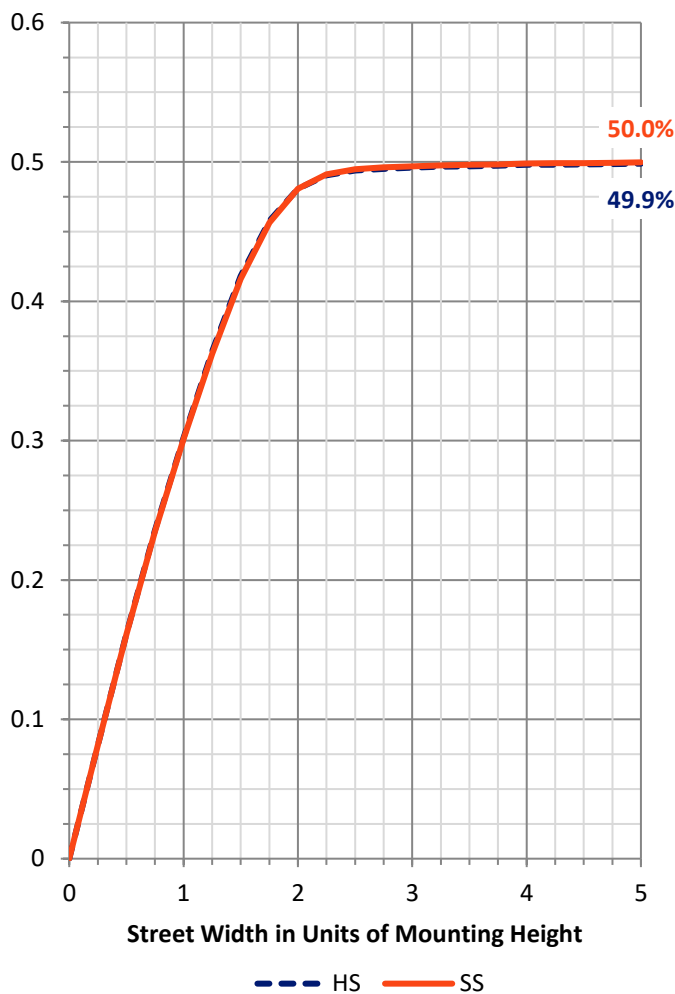
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1465.8	0.0	1465.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1465.8	0.0	1465.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2931.6	0.0	2931.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.1
10°-20°	108.2	3.7
20°-30°	204.7	7.0
30°-40°	344.6	11.8
40°-50°	550.5	18.8
50°-60°	887.4	30.3
60°-70°	724.0	24.7
70°-80°	70.3	2.4
80°-90°	8.2	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°	2931.6	100.0
0°-180°	2931.6	100.0

Coefficient of Utilization



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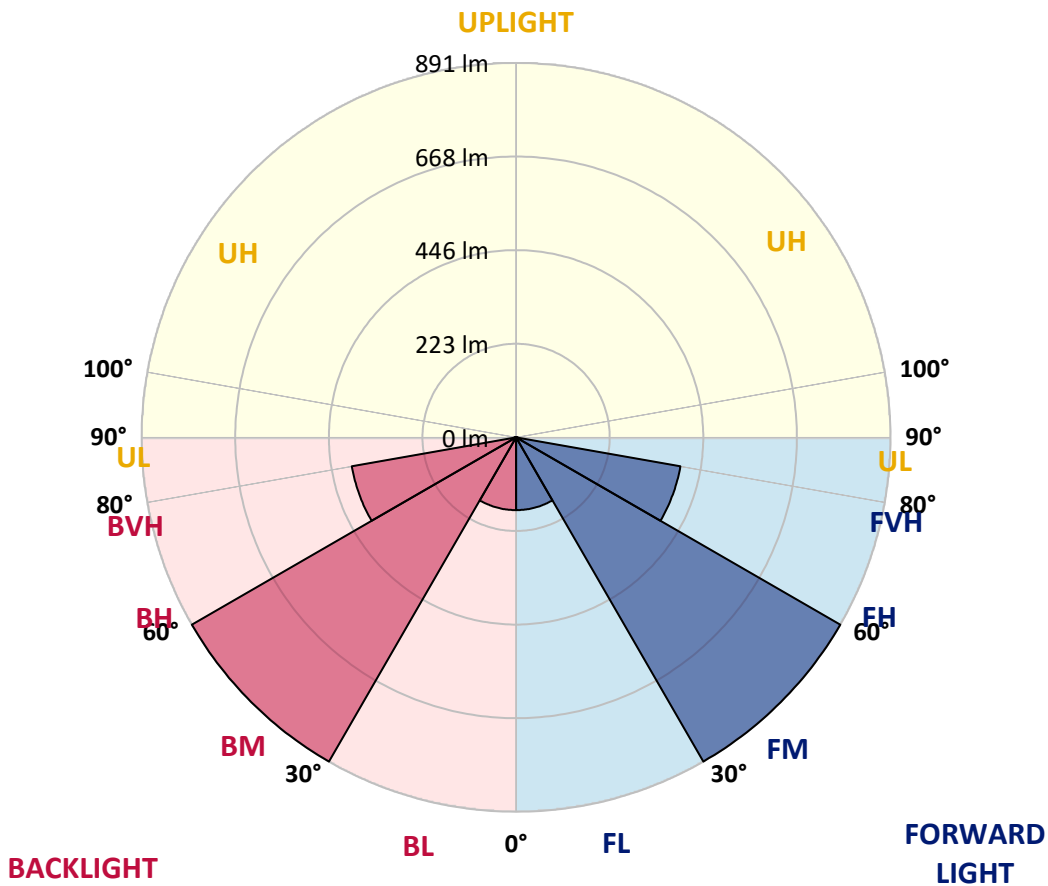
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.2	5.9			
FM (30°-60°)	891.3	30.4			
FH (60°-80°)	397.2	13.5			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	173.2	5.9	B1/500		
BM (30°-60°)	891.3	30.4	B1/1000		
BH (60°-80°)	397.2	13.5	B1/500		G0/660
BVH (80°-90°)	4.1	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°	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
2.5°	341.6	341.6	342.4	343.0	342.6	344.2	344.0	343.6	343.4	342.8	344.6
5°	346.2	346.2	346.8	347.4	346.4	348.4	347.6	347.2	347.0	346.2	347.8
7.5°	351.5	352.1	352.3	353.3	352.7	354.9	354.3	353.5	353.1	352.1	353.5
10°	357.3	357.7	357.9	359.7	359.9	362.5	361.9	360.9	360.1	359.1	361.1
12.5°	365.1	365.3	365.9	368.1	368.8	370.8	370.6	369.2	368.1	366.7	369.0
15°	375.2	375.4	376.4	378.6	379.6	382.0	381.2	379.0	377.6	376.0	377.8
17.5°	385.6	386.4	387.5	389.7	391.1	393.9	392.9	390.5	389.3	387.7	388.9
20°	399.1	399.3	399.9	402.3	403.3	406.6	406.8	404.3	403.7	402.1	403.9
22.5°	414.0	414.2	414.8	417.4	419.2	421.2	422.4	421.0	420.0	418.0	420.2
25°	430.5	432.5	433.1	436.3	438.3	439.5	440.9	440.3	438.9	436.5	437.5
27.5°	453.6	454.0	455.0	458.6	459.8	461.0	462.4	462.6	460.6	457.8	459.2
30°	479.9	479.7	482.0	484.8	485.8	486.8	488.8	490.0	487.4	484.4	485.8
32.5°	506.9	509.3	512.1	514.7	514.1	514.5	517.7	520.0	516.3	510.9	512.1
35°	537.2	538.9	542.5	546.3	545.5	544.9	546.9	549.1	544.1	537.0	538.9
37.5°	568.4	570.8	576.3	580.9	579.7	576.9	579.1	581.5	576.7	568.6	567.8
40°	603.2	607.0	614.9	618.7	615.5	610.0	613.8	619.7	614.9	605.6	603.4
42.5°	644.0	648.6	656.5	662.3	655.3	646.4	652.9	661.3	660.1	647.8	644.0
45°	694.5	697.5	707.1	710.0	699.5	687.2	698.9	711.8	708.8	695.5	690.5
47.5°	749.4	754.0	762.4	767.7	750.8	735.5	751.8	769.1	765.9	753.4	747.6
50°	819.3	825.4	836.4	840.9	817.5	800.0	820.9	842.9	836.6	819.9	812.3
52.5°	895.5	900.4	919.3	928.1	906.2	887.3	905.6	927.1	913.8	891.7	881.5
55°	962.7	967.5	995.3	1024.6	1023.6	1010.6	1019.8	1020.2	984.2	947.6	936.8
57.5°	977.2	982.0	1034.9	1111.7	1166.0	1181.1	1153.9	1096.8	1006.1	942.0	929.7
60°	900.0	905.4	989.4	1129.8	1308.3	1409.1	1284.0	1095.2	938.4	851.5	839.8
62.5°	697.3	703.1	816.1	1026.8	1365.8	1637.3	1321.8	980.0	771.9	661.9	651.6
65°	333.0	333.0	476.5	736.5	1251.2	1631.8	1212.4	725.0	464.7	356.9	348.0
67.5°	82.4	82.8	122.6	286.7	851.1	1302.3	865.0	348.0	163.7	115.8	112.8
70°	51.5	51.3	56.9	77.6	297.8	790.4	353.7	105.0	66.6	58.7	58.3
72.5°	40.0	40.0	42.8	49.7	78.0	269.2	103.1	58.3	48.3	43.4	43.4
75°	31.6	31.6	33.6	37.2	46.0	69.4	54.9	43.2	37.4	34.2	33.8
77.5°	23.5	23.9	25.5	27.9	31.4	39.0	34.8	32.6	29.2	26.7	25.9
80°	15.3	15.9	17.9	19.3	20.5	25.7	22.7	23.7	22.1	19.3	18.9
82.5°	8.2	8.4	10.9	11.3	11.7	14.1	14.5	15.1	15.7	12.3	11.5
85°	3.0	3.0	3.6	4.2	4.6	5.0	6.8	8.4	8.8	7.0	6.8
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.2	2.2	3.6	2.8	2.8
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)