

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: P628783

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2843.5 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

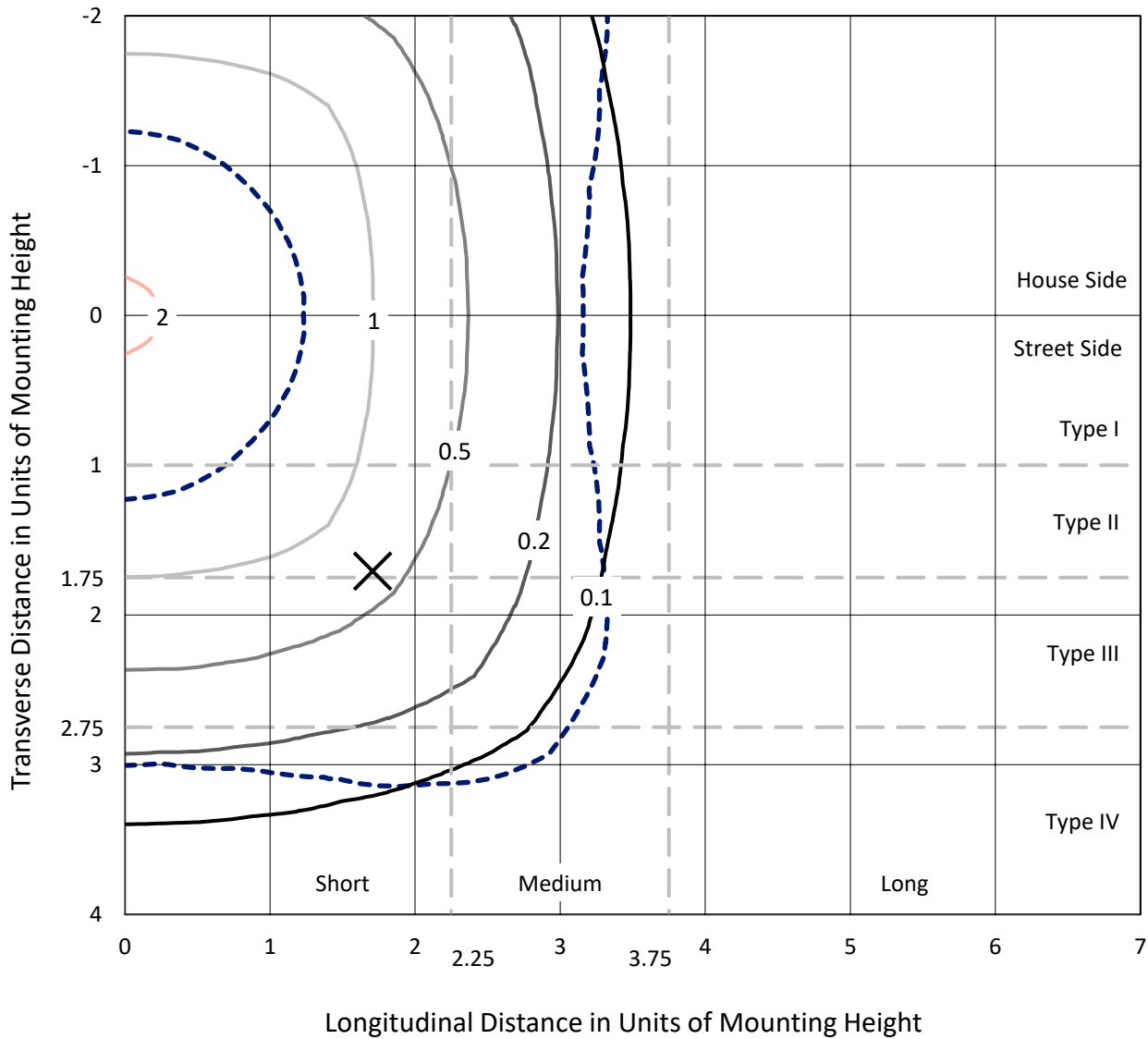
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

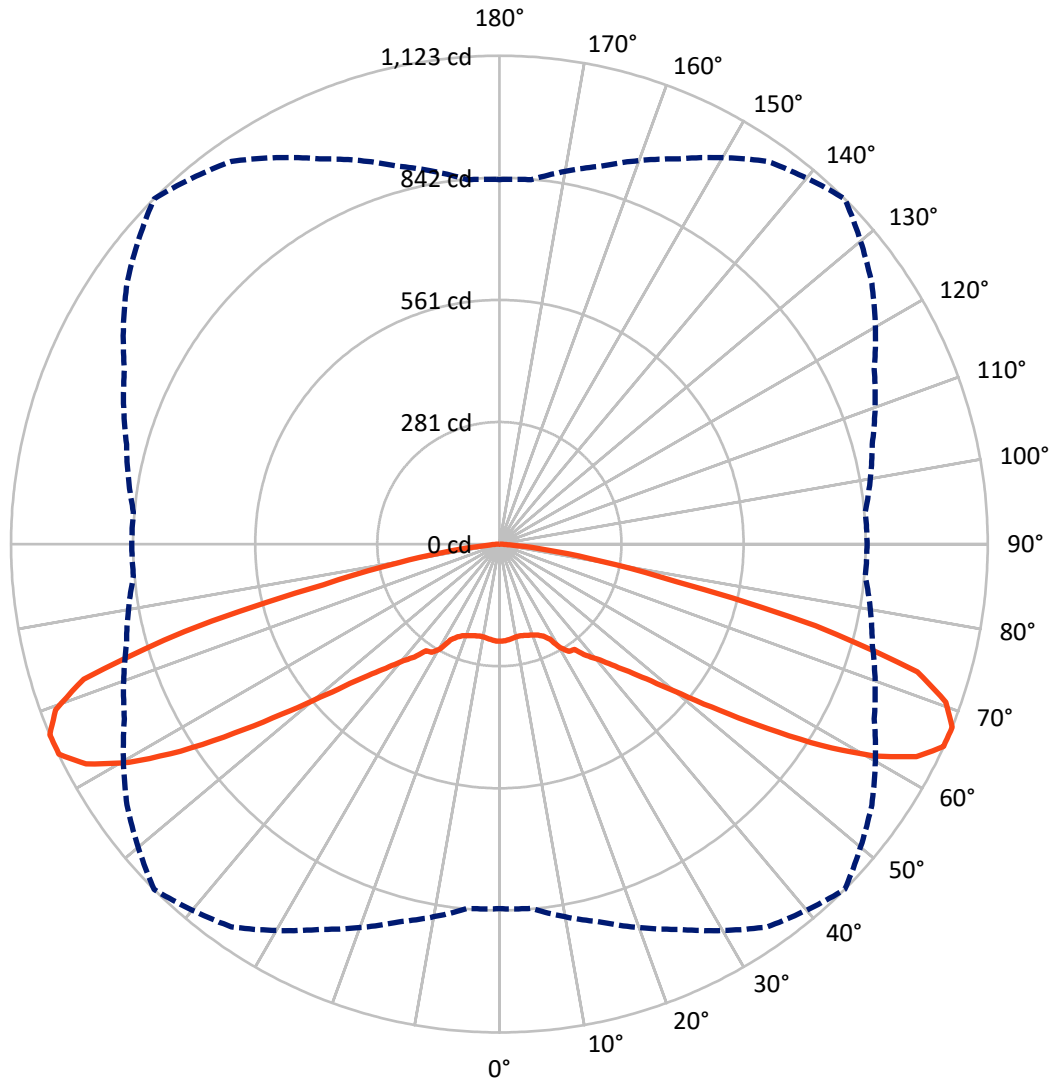
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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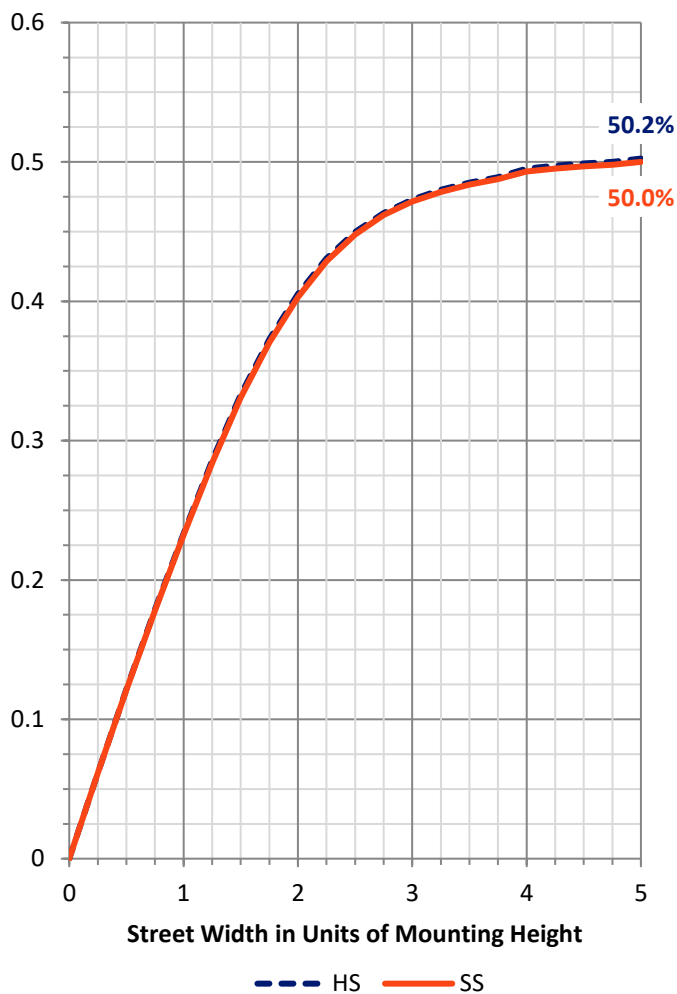
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1421.8	0.0	1421.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1421.8	0.0	1421.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2843.5	0.0	2843.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.7
10°-20°	62.1	2.2
20°-30°	111.5	3.9
30°-40°	188.3	6.6
40°-50°	330.8	11.6
50°-60°	638.1	22.4
60°-70°	925.9	32.6
70°-80°	529.7	18.6
80°-90°	36.2	1.3
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°	2843.5	100.0
0°-180°	2843.5	100.0

Coefficient of Utilization



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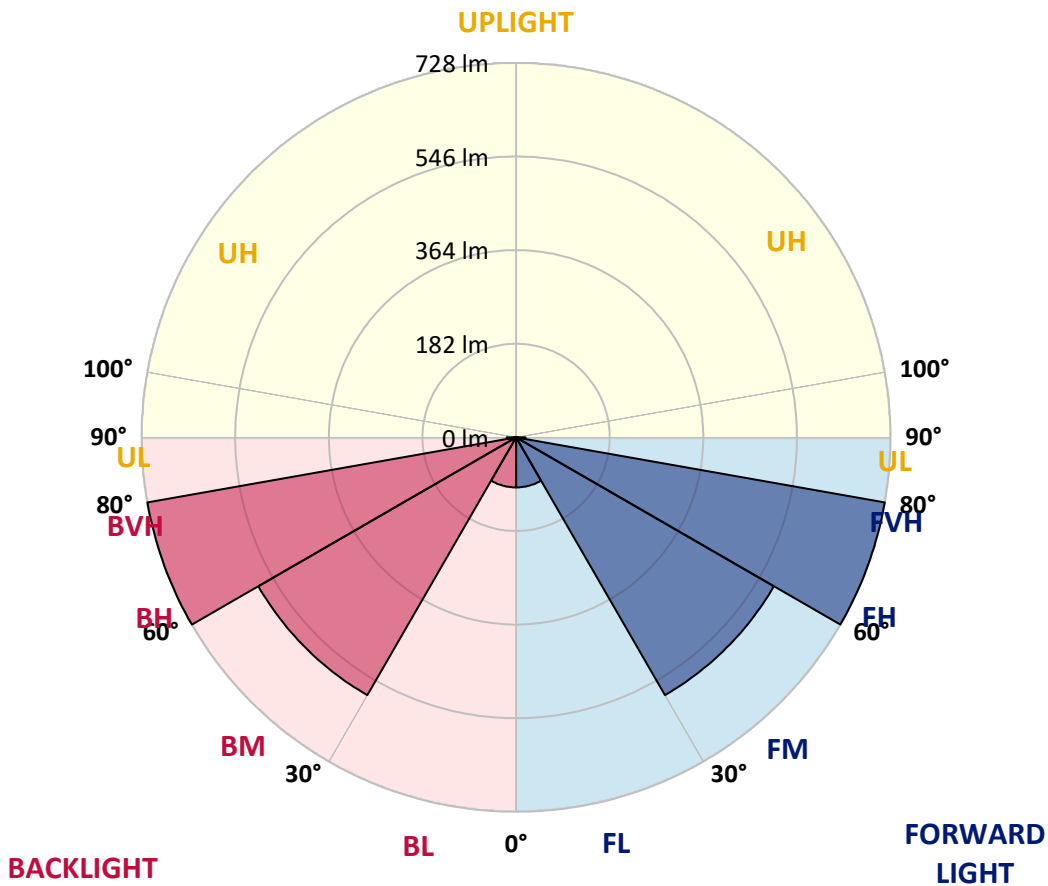
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.3	3.4			
FM (30°-60°)	578.6	20.3			
FH (60°-80°)	727.8	25.6			G1/1800
FVH (80°-90°)	18.1	0.6			G1/100
BL (0°-30°)	97.3	3.4	B0/110		
BM (30°-60°)	578.6	20.3	B1/1000		
BH (60°-80°)	727.8	25.6	B2/1000		G1/1800
BVH (80°-90°)	18.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0
2.5°	221.2	221.4	221.8	221.8	222.2	222.8	223.0	222.6	222.8	221.8	222.8
5°	220.6	220.8	221.0	220.6	220.6	220.8	220.8	220.4	220.6	219.6	220.6
7.5°	219.2	219.4	219.4	218.8	218.2	218.6	218.6	218.2	218.4	217.4	218.6
10°	218.0	218.0	217.8	216.6	216.0	216.6	216.8	217.0	217.8	217.0	218.4
12.5°	218.8	218.8	218.2	216.6	215.5	216.0	216.4	216.8	218.2	218.0	219.6
15°	221.0	221.2	219.6	217.8	217.2	217.8	217.4	217.2	219.0	219.6	221.4
17.5°	222.8	222.8	220.8	219.0	219.2	220.2	219.4	218.4	220.2	221.4	223.4
20°	224.4	224.2	222.0	220.8	221.6	223.0	222.4	221.0	222.2	223.6	225.4
22.5°	228.4	228.2	225.8	225.2	226.0	227.4	226.8	225.6	227.0	229.0	231.2
25°	239.9	239.5	235.9	233.8	233.4	234.4	234.2	233.8	236.1	238.5	241.1
27.5°	255.2	255.0	252.3	250.3	247.7	246.9	247.5	249.3	252.5	254.4	256.6
30°	262.8	262.8	262.4	265.6	271.2	276.7	272.5	265.6	262.8	262.0	264.2
32.5°	272.9	273.9	272.5	276.1	285.5	293.6	285.5	274.5	272.5	272.5	274.9
35°	296.0	296.4	294.2	293.6	296.6	297.6	293.8	289.7	292.0	292.4	295.4
37.5°	314.5	314.5	313.5	315.1	321.3	325.1	318.9	311.7	312.3	312.7	316.5
40°	343.0	343.8	341.4	341.2	343.6	347.0	340.4	335.8	339.0	340.0	345.8
42.5°	378.6	378.6	375.0	374.0	375.6	379.2	373.0	370.0	374.2	375.0	378.4
45°	421.0	422.0	417.2	415.4	416.2	417.4	413.0	411.6	415.6	417.4	423.5
47.5°	472.7	473.7	469.5	469.3	468.5	469.3	465.1	464.3	467.5	466.1	472.5
50°	536.5	538.3	534.6	539.7	539.1	541.5	535.7	531.4	531.4	527.6	531.2
52.5°	607.8	611.5	613.3	621.7	628.1	634.2	624.5	617.9	608.2	600.4	610.3
55°	685.7	684.6	696.1	714.6	733.5	747.8	728.9	708.0	692.3	676.0	679.8
57.5°	753.8	757.2	772.3	806.1	843.5	873.7	839.7	799.5	763.9	740.5	743.8
60°	810.5	813.3	833.4	882.1	947.4	989.1	935.2	868.8	817.2	785.0	788.4
62.5°	862.8	865.4	885.7	939.4	1021.8	1076.1	1006.6	915.9	858.4	826.0	828.0
65°	893.0	894.6	922.3	978.8	1065.7	1121.8	1043.4	949.9	893.4	860.4	861.6
67.5°	838.1	840.7	899.2	977.2	1074.1	1122.6	1045.0	950.9	887.3	844.3	845.3
70°	661.1	658.9	728.7	862.8	1025.7	1088.8	998.5	879.5	781.4	721.2	720.2
72.5°	504.1	504.7	543.5	635.4	836.3	1004.8	881.1	708.2	602.4	556.8	555.0
75°	365.5	371.2	402.7	470.1	584.9	751.0	663.3	524.8	454.0	426.7	422.7
77.5°	164.7	171.9	216.0	295.2	391.1	415.0	416.6	356.3	268.8	223.4	216.4
80°	48.1	51.5	66.2	113.2	182.2	235.5	187.0	157.2	97.9	76.8	73.2
82.5°	20.3	23.1	28.4	31.4	52.9	109.2	68.0	43.2	40.2	32.6	29.8
85°	8.6	9.2	11.9	12.7	17.1	23.3	21.5	19.5	18.7	14.5	13.3
87.5°	3.6	3.6	3.6	3.2	3.0	3.2	4.4	5.6	7.4	5.8	5.4
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)