

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: P628777

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2904.6 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

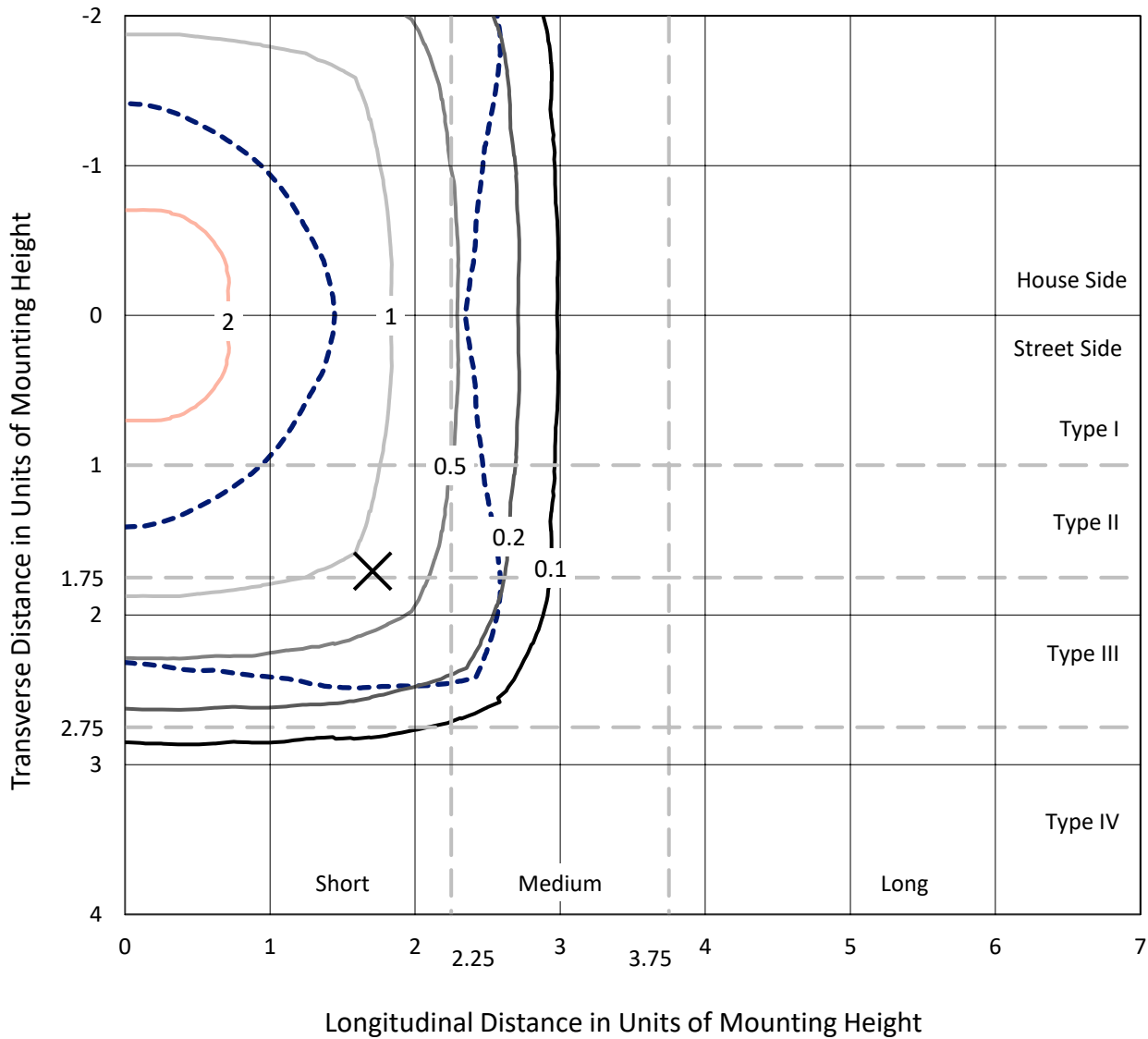
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

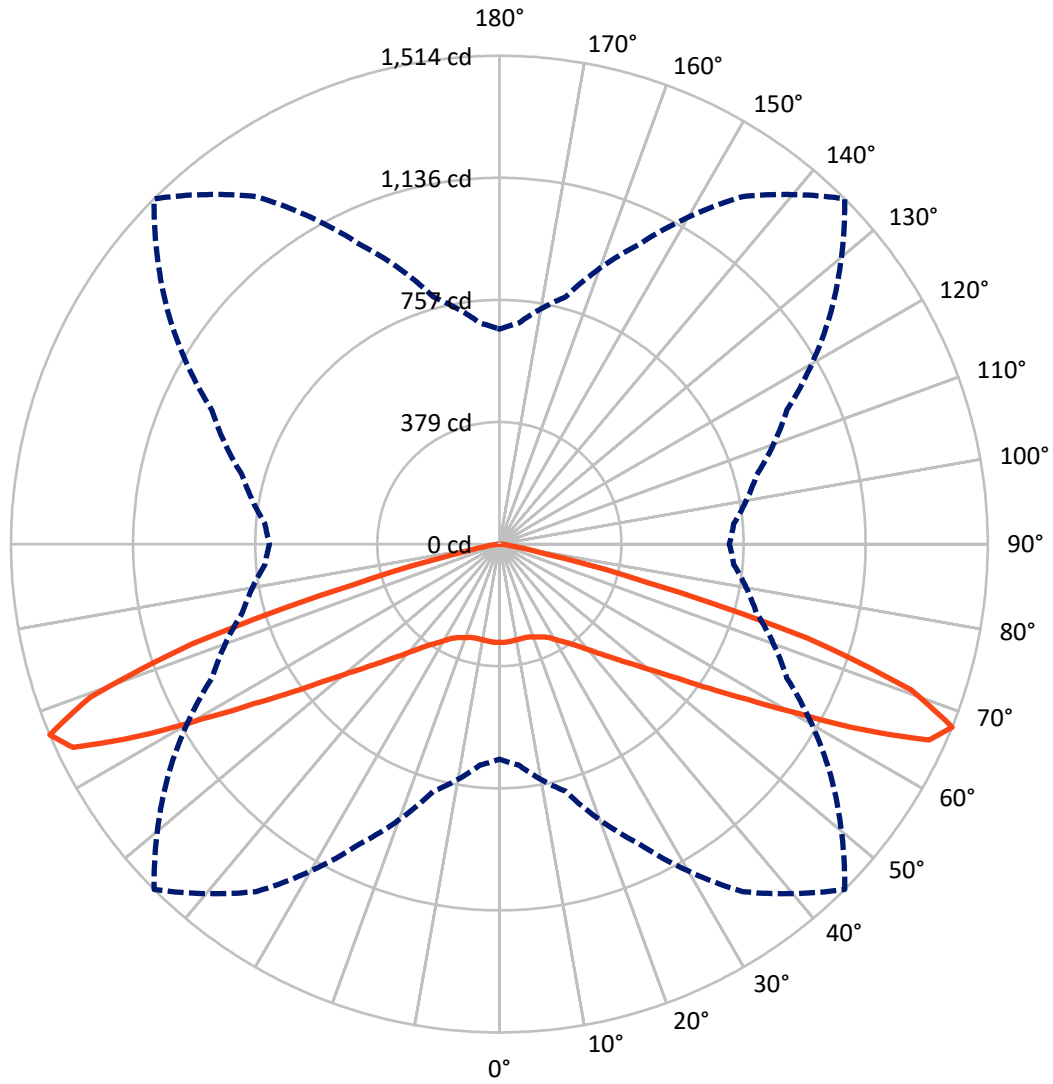
✕ Max cd
 - - - 1/2 Max cd



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

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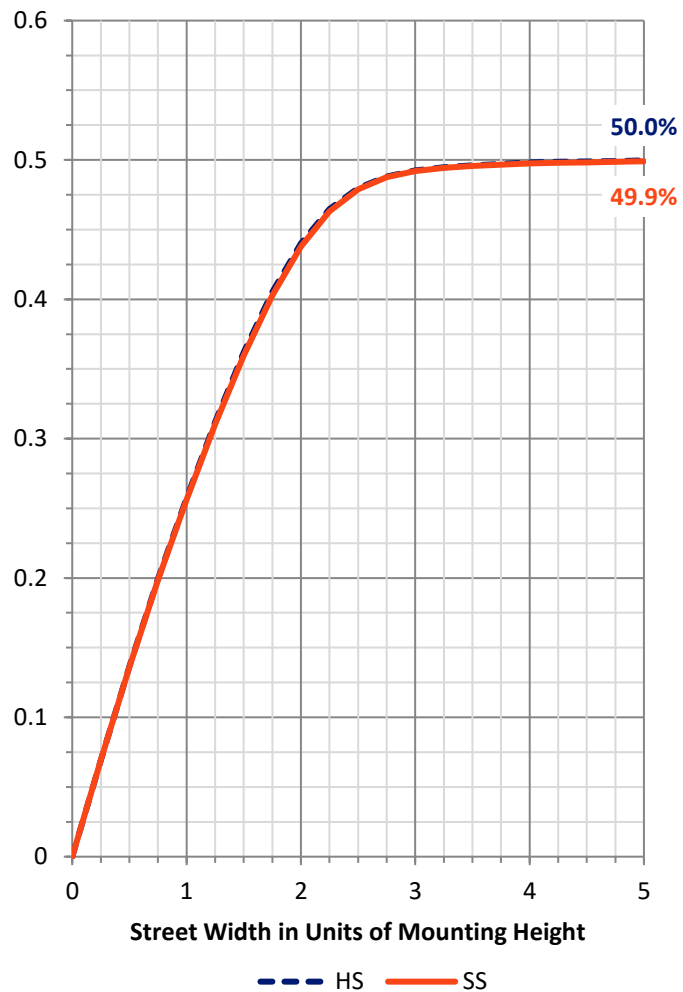
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.3	0.0	1452.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1452.3	0.0	1452.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2904.6	0.0	2904.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.0
10°-20°	84.6	2.9
20°-30°	145.8	5.0
30°-40°	237.2	8.2
40°-50°	399.3	13.7
50°-60°	707.5	24.4
60°-70°	1011.4	34.8
70°-80°	277.6	9.6
80°-90°	12.4	0.4
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°	2904.6	100.0
0°-180°	2904.6	100.0

Coefficient of Utilization



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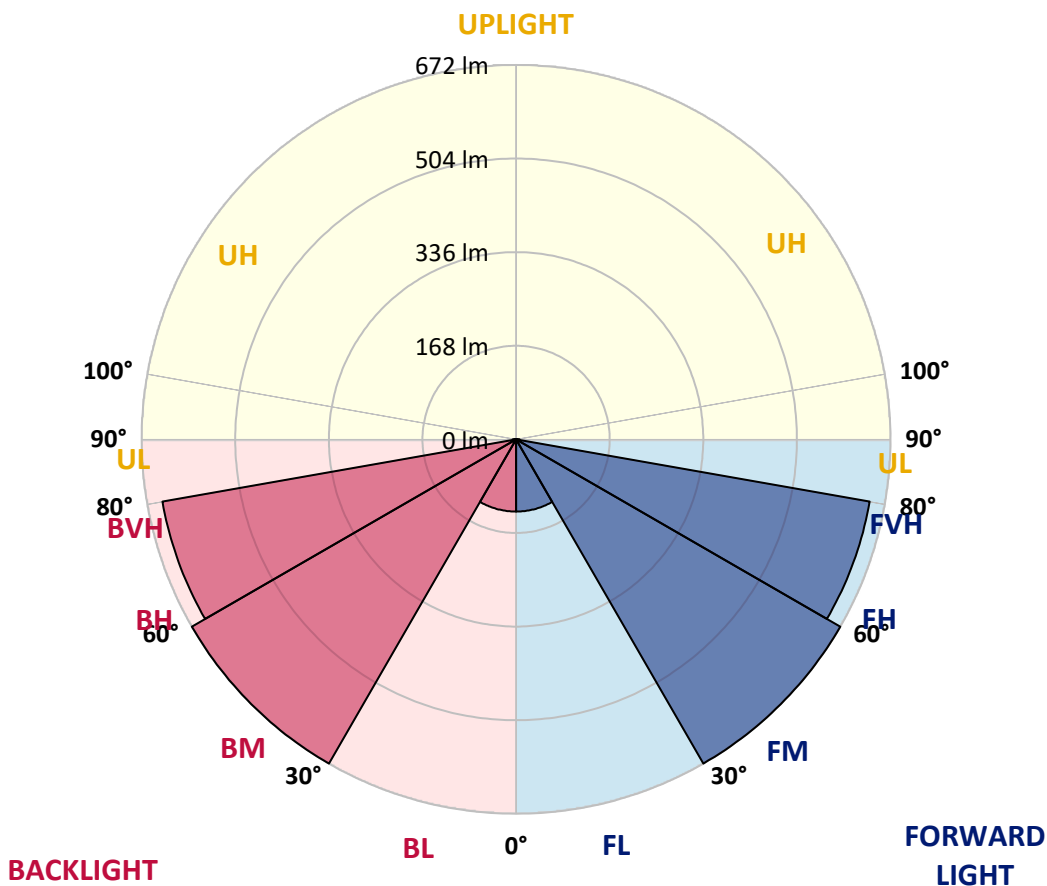
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.6	4.5			
FM (30°-60°)	672.0	23.1			
FH (60°-80°)	644.5	22.2			G0/660
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	129.6	4.5	B1/500		
BM (30°-60°)	672.0	23.1	B1/1000		
BH (60°-80°)	644.5	22.2	B2/1000		G0/660
BVH (80°-90°)	6.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2
2.5°	302.2	302.0	303.0	303.6	303.4	304.8	304.6	304.2	304.2	303.6	305.2
5°	302.2	302.0	302.8	303.0	302.6	303.8	303.4	303.0	303.0	302.2	303.6
7.5°	300.6	300.8	301.4	301.8	301.4	302.4	301.8	301.0	300.8	300.0	301.4
10°	297.6	297.8	298.4	299.4	299.6	301.4	300.4	299.0	298.4	297.6	299.0
12.5°	295.8	296.0	296.6	297.8	298.2	300.6	299.6	297.4	296.4	295.6	297.0
15°	295.4	295.6	296.4	297.6	298.2	300.6	299.6	297.0	295.6	294.6	295.8
17.5°	295.4	295.8	297.0	298.8	300.0	302.4	301.2	298.2	296.2	294.4	295.6
20°	295.6	296.2	298.0	300.6	303.6	307.0	305.4	301.4	298.6	296.4	297.2
22.5°	297.4	298.4	300.6	304.0	308.4	312.4	311.0	305.6	301.6	298.6	299.4
25°	303.6	304.0	306.8	311.2	315.5	318.9	317.5	312.4	307.4	303.8	304.8
27.5°	314.7	315.7	318.1	322.7	326.3	328.1	327.9	324.5	319.5	316.3	317.1
30°	327.9	328.9	332.2	337.4	341.0	343.0	342.4	339.8	335.2	330.7	331.6
32.5°	343.4	343.8	347.6	353.5	357.3	360.3	358.3	355.5	349.6	344.4	344.8
35°	363.1	363.7	367.7	373.2	376.2	378.6	378.2	375.4	369.1	363.5	364.9
37.5°	387.8	388.2	391.9	398.7	401.1	402.9	403.3	401.9	395.5	388.2	389.7
40°	418.6	418.8	422.8	428.9	431.5	432.7	432.9	433.1	426.5	421.0	420.6
42.5°	454.4	455.4	461.0	466.9	468.1	467.5	469.5	471.5	465.1	457.6	458.2
45°	497.2	497.8	505.5	511.9	509.7	507.7	511.5	515.5	509.7	500.0	497.2
47.5°	547.9	549.1	557.3	563.8	560.2	556.5	562.8	567.0	557.5	547.3	544.7
50°	605.2	606.0	617.7	625.7	621.5	614.8	622.7	627.1	614.4	601.8	596.1
52.5°	673.0	671.3	686.8	700.9	698.3	689.6	696.1	696.9	678.0	660.1	654.5
55°	755.6	754.0	769.5	784.9	791.4	789.2	786.1	781.3	753.4	734.3	729.0
57.5°	851.9	846.9	868.6	889.5	903.6	907.6	894.7	883.5	861.3	837.8	831.8
60°	941.4	941.2	975.5	1011.7	1050.3	1066.4	1033.9	1003.3	953.6	910.8	902.2
62.5°	966.5	970.7	1027.0	1116.7	1212.0	1268.9	1183.0	1081.9	986.0	921.5	910.0
65°	904.6	915.0	995.1	1136.6	1324.8	1463.9	1270.1	1083.7	950.0	869.6	857.5
67.5°	666.7	687.6	793.6	1025.6	1315.1	1514.0	1254.6	983.4	825.2	729.5	712.8
70°	328.9	348.8	432.9	674.8	1082.1	1353.3	1085.5	741.1	557.3	465.3	450.0
72.5°	121.0	129.1	162.1	288.7	597.2	999.7	742.3	414.0	270.0	214.9	204.7
75°	59.3	60.7	65.7	96.9	220.4	470.5	348.8	158.8	99.3	86.5	83.6
77.5°	37.8	38.4	40.8	46.2	70.8	148.2	105.8	62.7	48.7	46.6	46.6
80°	21.1	21.7	24.9	28.8	33.2	50.9	38.0	37.6	32.0	27.9	27.3
82.5°	10.1	11.1	15.9	15.7	17.5	25.5	22.3	20.3	20.5	15.5	14.7
85°	4.6	4.6	6.2	7.4	7.8	8.6	10.3	11.7	11.5	7.8	8.4
87.5°	2.2	2.2	2.2	2.0	1.8	1.6	2.2	3.6	5.2	3.6	3.4
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)