

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: P628832

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628832
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2945 lumens
Efficiency: N/A
Efficacy: 149.5 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

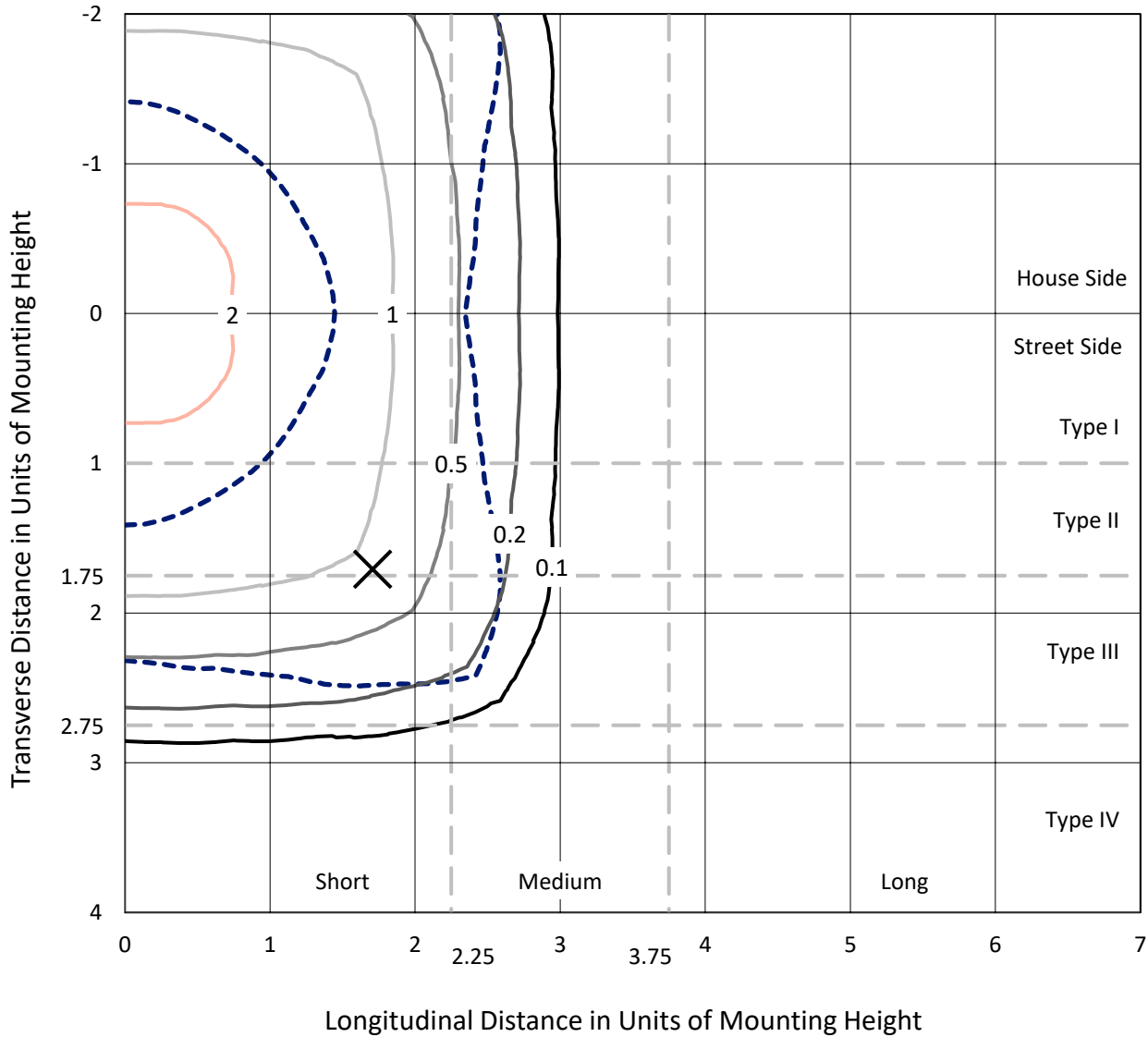
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

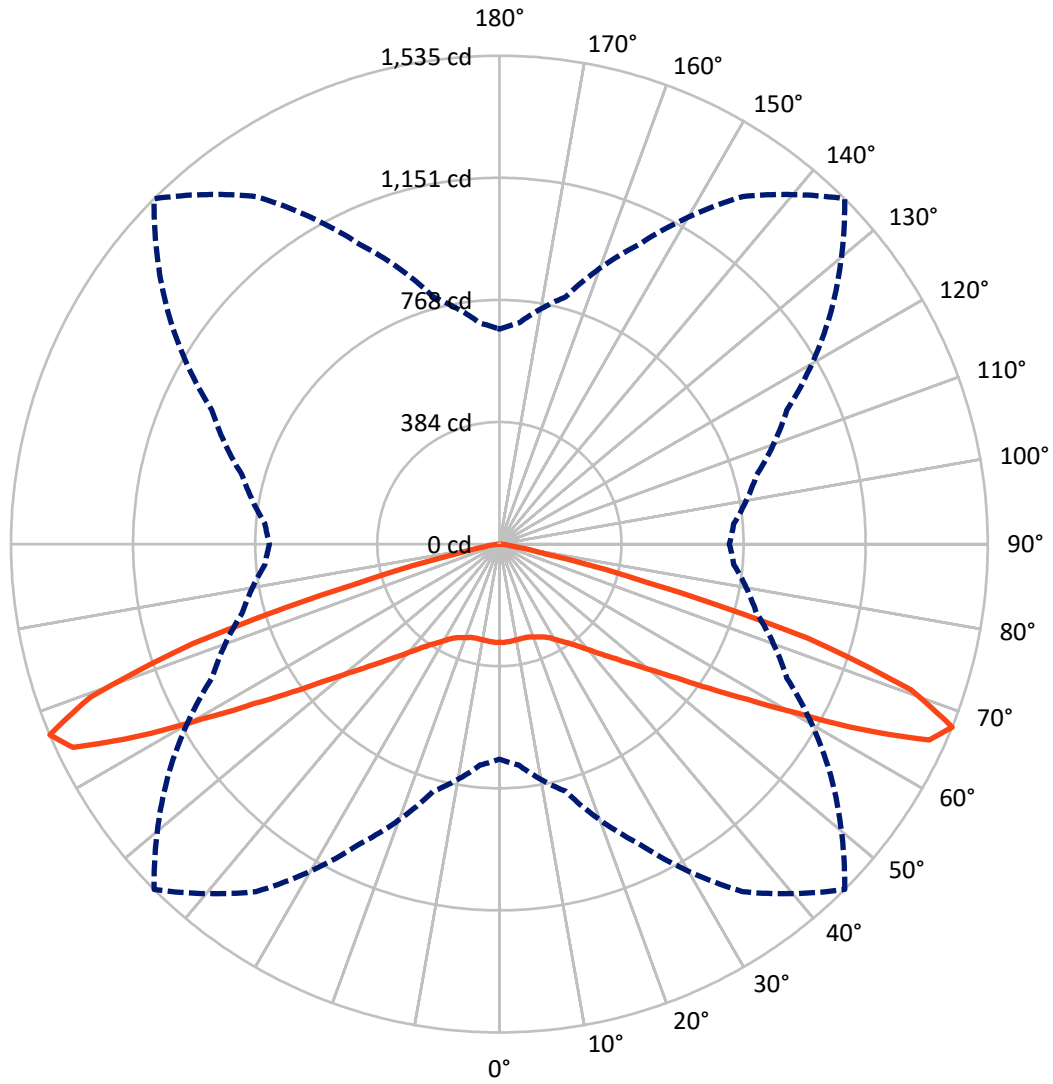
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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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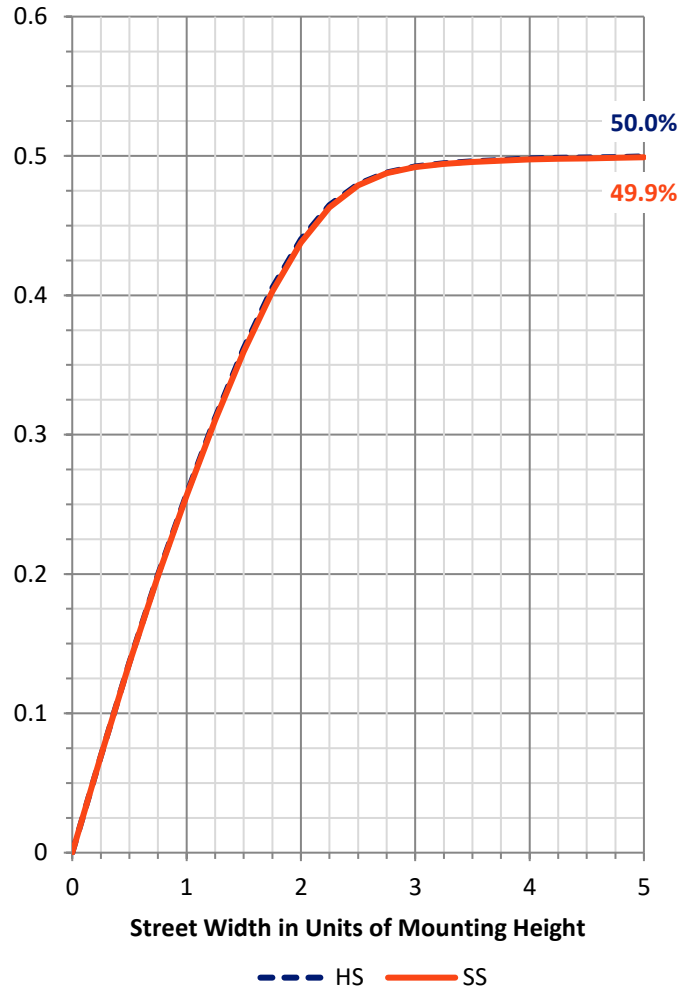
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1472.5	0.0	1472.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1472.5	0.0	1472.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2945.0	0.0	2945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.0
10°-20°	85.7	2.9
20°-30°	147.9	5.0
30°-40°	240.5	8.2
40°-50°	404.9	13.7
50°-60°	717.4	24.4
60°-70°	1025.4	34.8
70°-80°	281.4	9.6
80°-90°	12.6	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°	2945.0	100.0
0°-180°	2945.0	100.0

Coefficient of Utilization



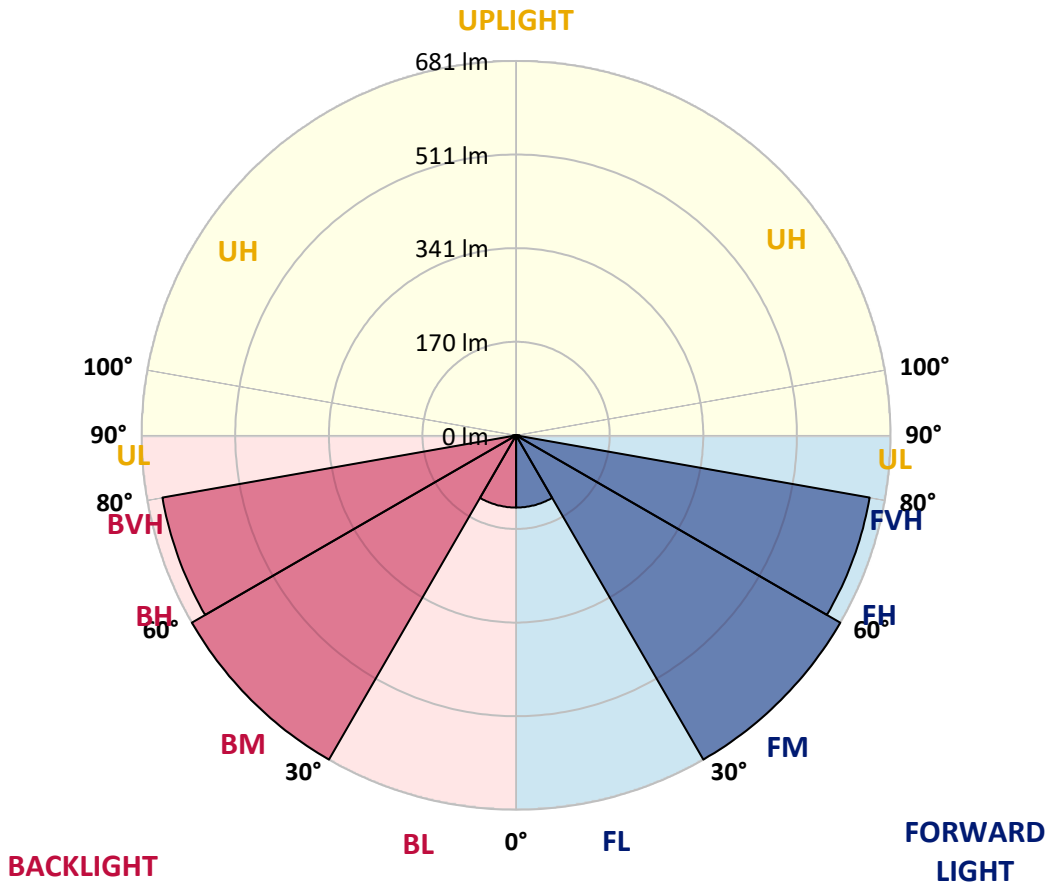
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.4	4.5			
FM (30°-60°)	681.4	23.1			
FH (60°-80°)	653.4	22.2			G0/660
FVH (80°-90°)	6.3	0.2			G0/10
BL (0°-30°)	131.4	4.5	B1/500		
BM (30°-60°)	681.4	23.1	B1/1000		
BH (60°-80°)	653.4	22.2	B2/1000		G0/660
BVH (80°-90°)	6.3	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°	308.4	308.4	308.4	308.4	308.4	308.4	308.4	308.4	308.4	308.4	308.4
2.5°	306.4	306.2	307.2	307.8	307.6	309.0	308.8	308.4	308.4	307.8	309.5
5°	306.4	306.2	307.0	307.2	306.8	308.0	307.6	307.2	307.2	306.4	307.8
7.5°	304.8	305.0	305.6	306.0	305.6	306.6	306.0	305.2	305.0	304.2	305.6
10°	301.7	301.9	302.5	303.5	303.7	305.6	304.6	303.1	302.5	301.7	303.1
12.5°	299.9	300.1	300.7	301.9	302.3	304.8	303.7	301.5	300.5	299.7	301.1
15°	299.5	299.7	300.5	301.7	302.3	304.8	303.7	301.1	299.7	298.7	299.9
17.5°	299.5	299.9	301.1	302.9	304.2	306.6	305.4	302.3	300.3	298.4	299.7
20°	299.7	300.3	302.1	304.8	307.8	311.3	309.7	305.6	302.7	300.5	301.3
22.5°	301.5	302.5	304.8	308.2	312.7	316.8	315.4	309.9	305.8	302.7	303.5
25°	307.8	308.2	311.1	315.6	319.9	323.3	321.9	316.8	311.7	308.0	309.0
27.5°	319.0	320.1	322.5	327.2	330.9	332.7	332.5	329.0	323.9	320.7	321.5
30°	332.5	333.5	336.8	342.1	345.7	347.8	347.2	344.5	339.8	335.3	336.2
32.5°	348.2	348.6	352.5	358.4	362.3	365.3	363.3	360.4	354.5	349.2	349.6
35°	368.2	368.8	372.9	378.4	381.4	383.9	383.5	380.6	374.3	368.6	370.0
37.5°	393.2	393.6	397.3	404.3	406.7	408.5	408.9	407.5	401.0	393.6	395.1
40°	424.4	424.6	428.7	434.8	437.5	438.7	438.9	439.1	432.4	426.9	426.5
42.5°	460.7	461.7	467.4	473.4	474.6	474.0	476.0	478.0	471.5	464.0	464.6
45°	504.1	504.8	512.5	519.0	516.8	514.7	518.6	522.7	516.8	507.0	504.1
47.5°	555.5	556.7	565.1	571.6	567.9	564.3	570.6	574.9	565.3	554.9	552.3
50°	613.6	614.4	626.3	634.4	630.1	623.4	631.3	635.8	623.0	610.1	604.4
52.5°	682.3	680.7	696.4	710.6	708.0	699.2	705.8	706.6	687.4	669.3	663.6
55°	766.1	764.5	780.2	795.9	802.4	800.1	797.1	792.2	763.9	744.5	739.2
57.5°	863.7	858.6	880.7	901.9	916.1	920.2	907.2	895.8	873.3	849.5	843.4
60°	954.5	954.3	989.1	1025.8	1065.0	1081.3	1048.2	1017.3	966.9	923.5	914.7
62.5°	979.9	984.2	1041.3	1132.2	1228.9	1286.5	1199.5	1097.0	999.7	934.3	922.7
65°	917.2	927.8	1008.9	1152.4	1343.2	1484.3	1287.8	1098.8	963.2	881.7	869.5
67.5°	676.0	697.2	804.6	1039.9	1333.4	1535.0	1272.1	997.1	836.6	739.6	722.7
70°	333.5	353.7	438.9	684.1	1097.2	1372.2	1100.6	751.4	565.1	471.7	456.2
72.5°	122.7	130.9	164.3	292.7	605.5	1013.6	752.6	419.7	273.8	217.9	207.5
75°	60.1	61.6	66.7	98.3	223.4	477.0	353.7	161.0	100.7	87.7	84.8
77.5°	38.3	38.9	41.4	46.9	71.8	150.2	107.2	63.6	49.3	47.3	47.3
80°	21.4	22.0	25.3	29.2	33.6	51.6	38.5	38.1	32.4	28.3	27.7
82.5°	10.2	11.2	16.1	15.9	17.7	25.9	22.6	20.6	20.8	15.7	14.9
85°	4.7	4.7	6.3	7.5	8.0	8.8	10.4	11.8	11.6	8.0	8.6
87.5°	2.2	2.2	2.2	2.0	1.8	1.6	2.2	3.7	5.3	3.7	3.5
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)