

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: P628776

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2455.8 lumens
Efficiency: N/A
Efficacy: 124.7 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

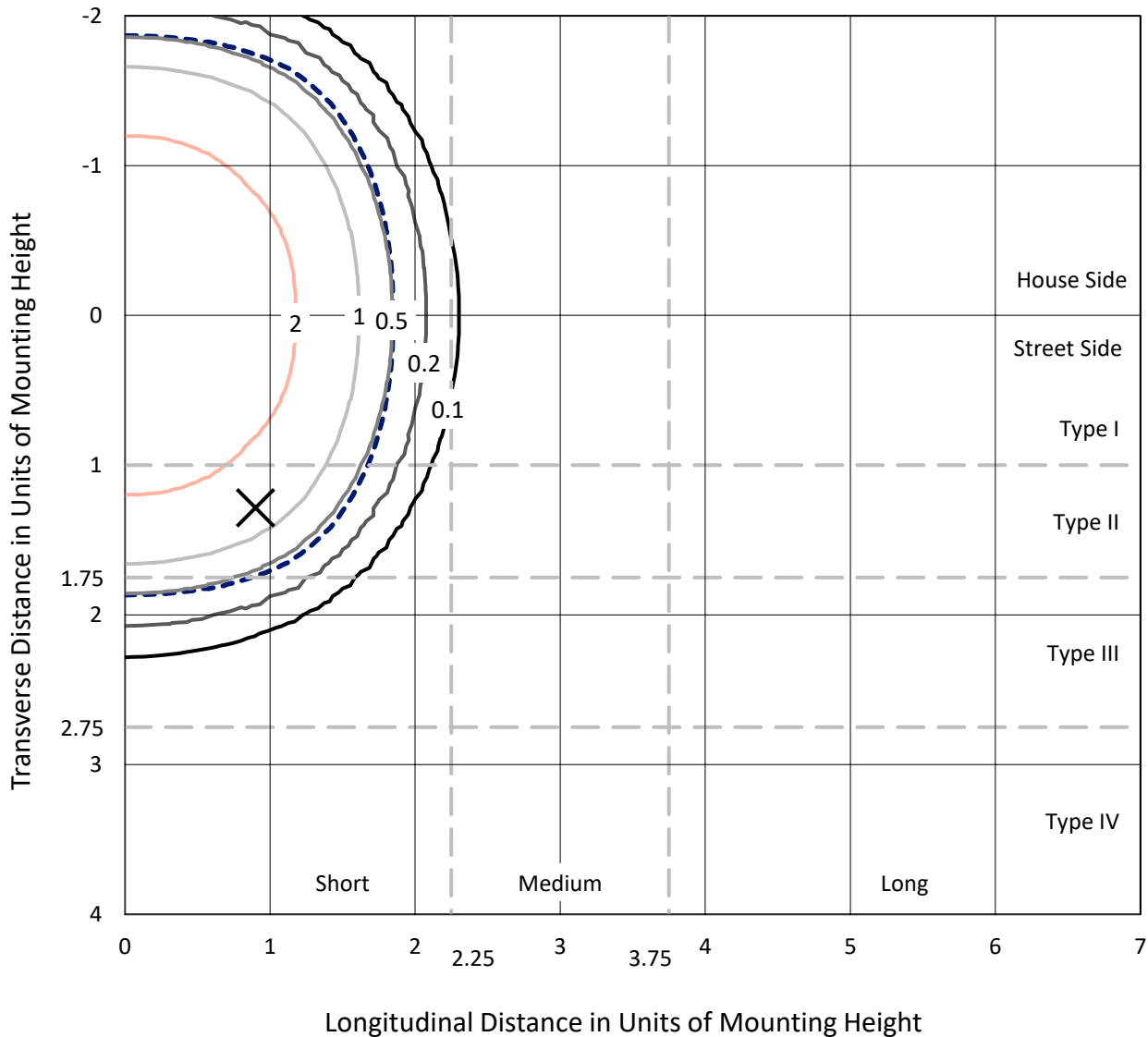
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

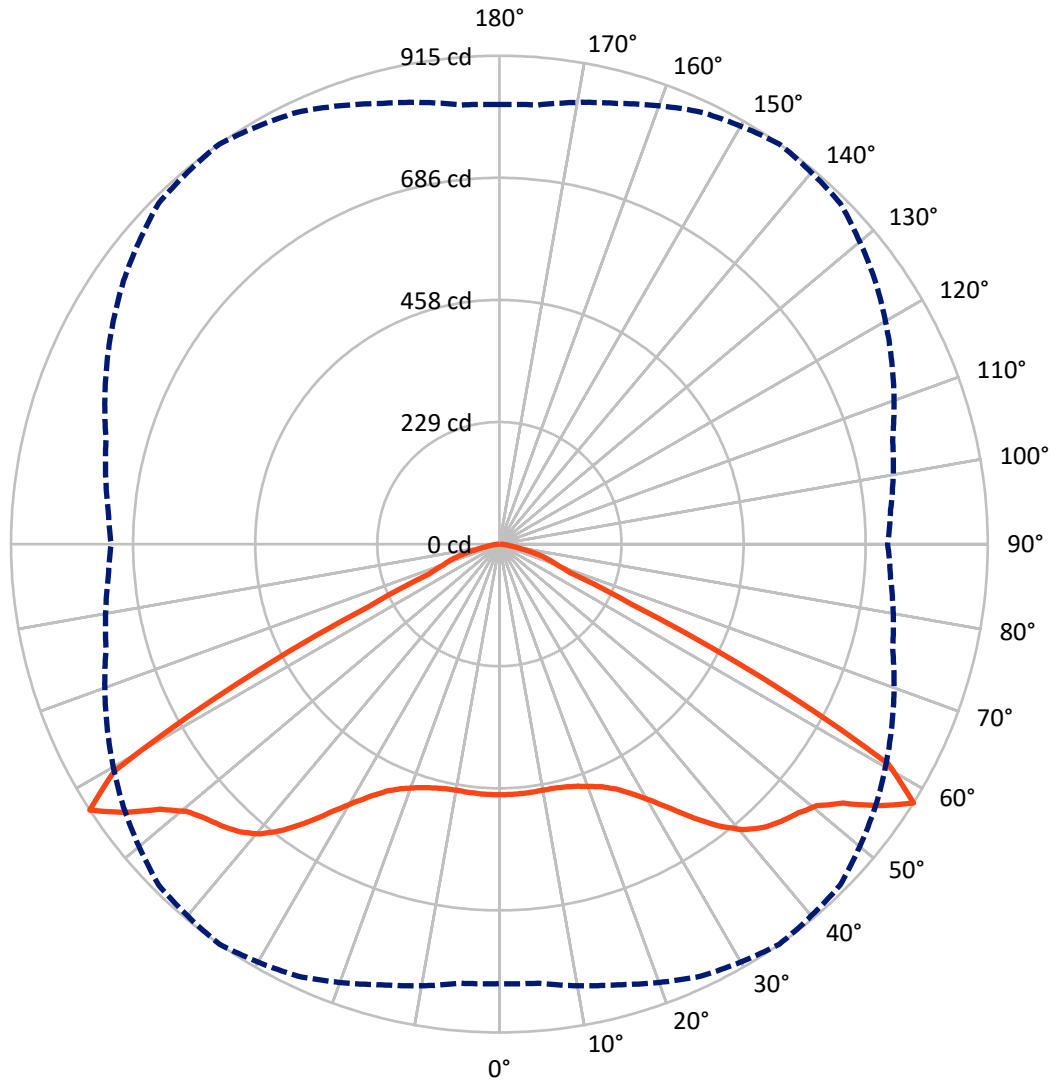
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.9	0.0	1227.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1227.9	0.0	1227.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2455.8	0.0	2455.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	1.8
10°-20°	133.4	5.4
20°-30°	232.7	9.5
30°-40°	381.6	15.5
40°-50°	562.0	22.9
50°-60°	717.2	29.2
60°-70°	302.3	12.3
70°-80°	72.2	2.9
80°-90°	9.8	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°	2455.8	100.0
0°-180°	2455.8	100.0

Coefficient of Utilization



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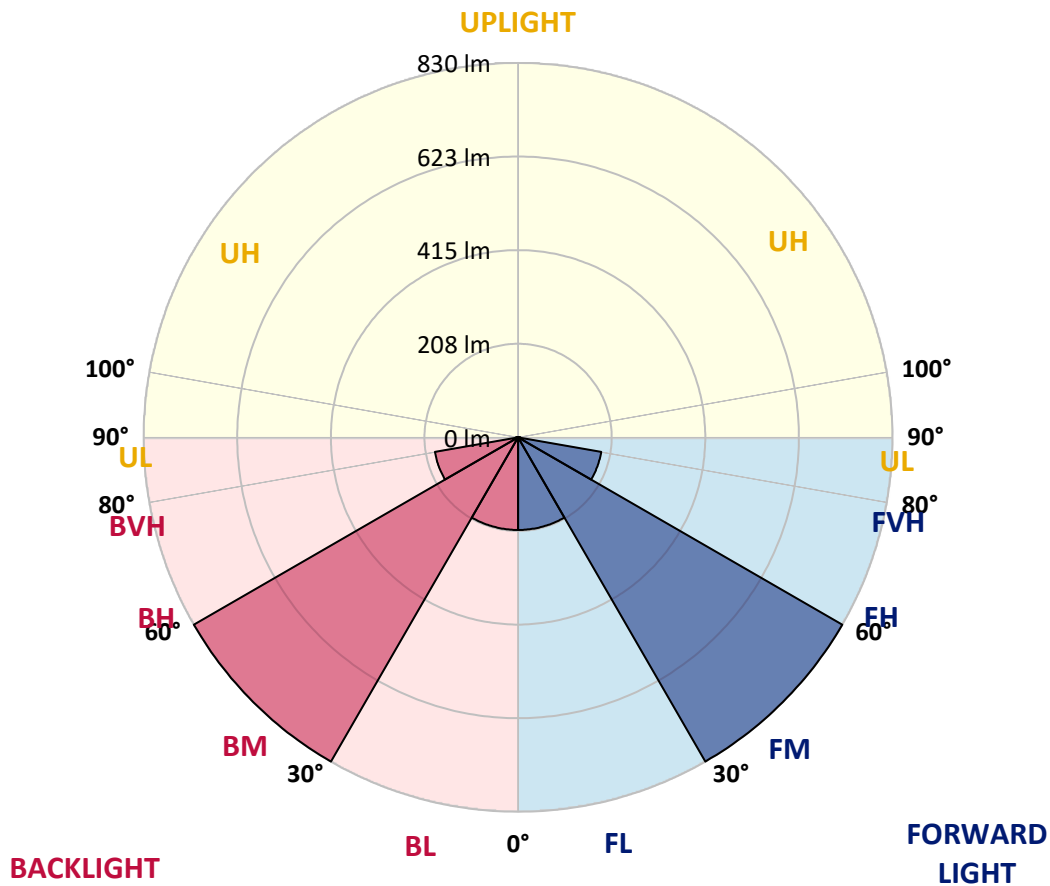
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.4	8.4			
FM (30°-60°)	830.4	33.8			
FH (60°-80°)	187.2	7.6			G0/660
FVH (80°-90°)	4.9	0.2			G0/10
BL (0°-30°)	205.4	8.4	B1/500		
BM (30°-60°)	830.4	33.8	B1/1000		
BH (60°-80°)	187.2	7.6	B1/500		G0/660
BVH (80°-90°)	4.9	0.2			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°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9
2.5°	467.1	467.1	468.1	469.1	469.5	471.3	471.1	470.5	470.1	468.9	470.5
5°	468.1	468.1	468.9	469.5	469.3	470.7	470.1	469.1	468.5	467.3	469.1
7.5°	467.9	467.9	468.5	469.1	468.7	469.9	468.9	467.5	466.5	465.3	466.9
10°	465.3	465.7	466.3	467.7	468.3	470.1	468.7	466.5	464.9	463.5	465.1
12.5°	464.9	465.3	466.1	467.9	468.9	471.5	469.7	466.1	463.7	461.8	463.5
15°	466.7	467.1	468.3	470.5	472.1	474.9	472.3	467.3	463.9	461.4	462.9
17.5°	468.9	469.5	471.3	474.5	477.1	480.1	476.9	470.9	466.1	462.9	464.1
20°	471.3	472.1	474.9	479.7	484.6	488.4	484.4	476.3	470.5	466.3	467.5
22.5°	475.5	476.5	480.1	487.0	494.2	499.8	494.8	484.0	476.3	470.9	471.9
25°	484.2	485.4	490.0	498.2	508.5	515.3	508.3	496.0	485.4	478.7	479.7
27.5°	499.4	500.0	506.1	516.9	529.6	537.4	529.0	514.5	502.7	495.0	495.8
30°	519.6	521.4	527.4	541.7	556.7	567.2	556.1	539.1	525.4	516.1	516.9
32.5°	544.1	545.3	554.3	569.2	590.9	603.0	587.9	567.6	551.1	539.9	540.7
35°	576.3	577.3	585.9	604.8	631.1	642.4	625.1	601.8	582.7	572.0	575.0
37.5°	614.7	616.5	622.7	641.4	670.8	681.8	661.9	640.2	620.3	610.4	612.6
40°	655.9	655.7	660.7	677.2	703.9	710.8	692.9	675.6	658.5	652.1	655.7
42.5°	691.3	690.3	693.9	707.5	726.0	726.6	714.8	705.1	693.1	688.6	692.1
45°	716.0	716.4	721.8	731.3	740.7	735.7	732.1	730.5	721.0	715.0	715.6
47.5°	735.5	737.1	745.8	752.2	753.4	744.9	750.0	752.4	744.5	735.3	732.7
50°	752.8	755.4	766.7	773.5	770.9	760.2	770.1	773.7	756.4	738.7	733.5
52.5°	784.2	787.2	800.8	809.7	806.7	796.0	805.3	792.4	763.2	741.5	734.9
55°	834.2	835.6	852.3	866.8	865.4	852.3	844.9	816.3	780.9	758.4	752.2
57.5°	823.6	826.0	854.9	893.5	915.2	903.4	859.8	811.1	763.0	735.9	727.5
60°	648.0	653.9	689.9	757.8	837.4	837.2	756.2	680.6	622.7	586.7	583.1
62.5°	378.4	382.4	415.2	484.0	555.3	559.8	502.9	451.0	400.3	376.0	364.3
65°	179.1	178.9	192.0	223.0	271.2	275.1	258.0	229.6	199.7	191.4	189.2
67.5°	132.3	132.3	131.3	133.5	142.8	144.8	142.8	138.1	135.3	137.1	135.9
70°	114.8	115.0	113.8	113.2	113.2	112.6	113.4	115.2	116.4	118.8	117.6
72.5°	93.1	93.3	93.3	93.5	93.7	92.9	94.1	95.1	95.3	96.1	95.3
75°	66.2	66.6	67.8	68.8	69.6	69.6	70.0	70.2	69.4	70.4	68.8
77.5°	36.4	36.8	39.0	40.8	42.6	42.8	43.4	43.8	43.4	44.2	43.0
80°	20.1	20.5	21.5	22.3	23.7	24.9	25.7	26.1	26.1	26.7	26.1
82.5°	11.5	11.9	12.5	12.9	14.1	15.1	15.9	16.5	16.5	16.7	16.3
85°	5.4	5.4	5.8	6.2	6.8	7.2	8.2	8.8	8.8	9.2	8.8
87.5°	0.8	1.0	1.2	1.2	1.6	2.0	2.4	2.6	3.0	3.2	3.2
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)