

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: P628831

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628831
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2490 lumens
Efficiency: N/A
Efficacy: 126.4 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

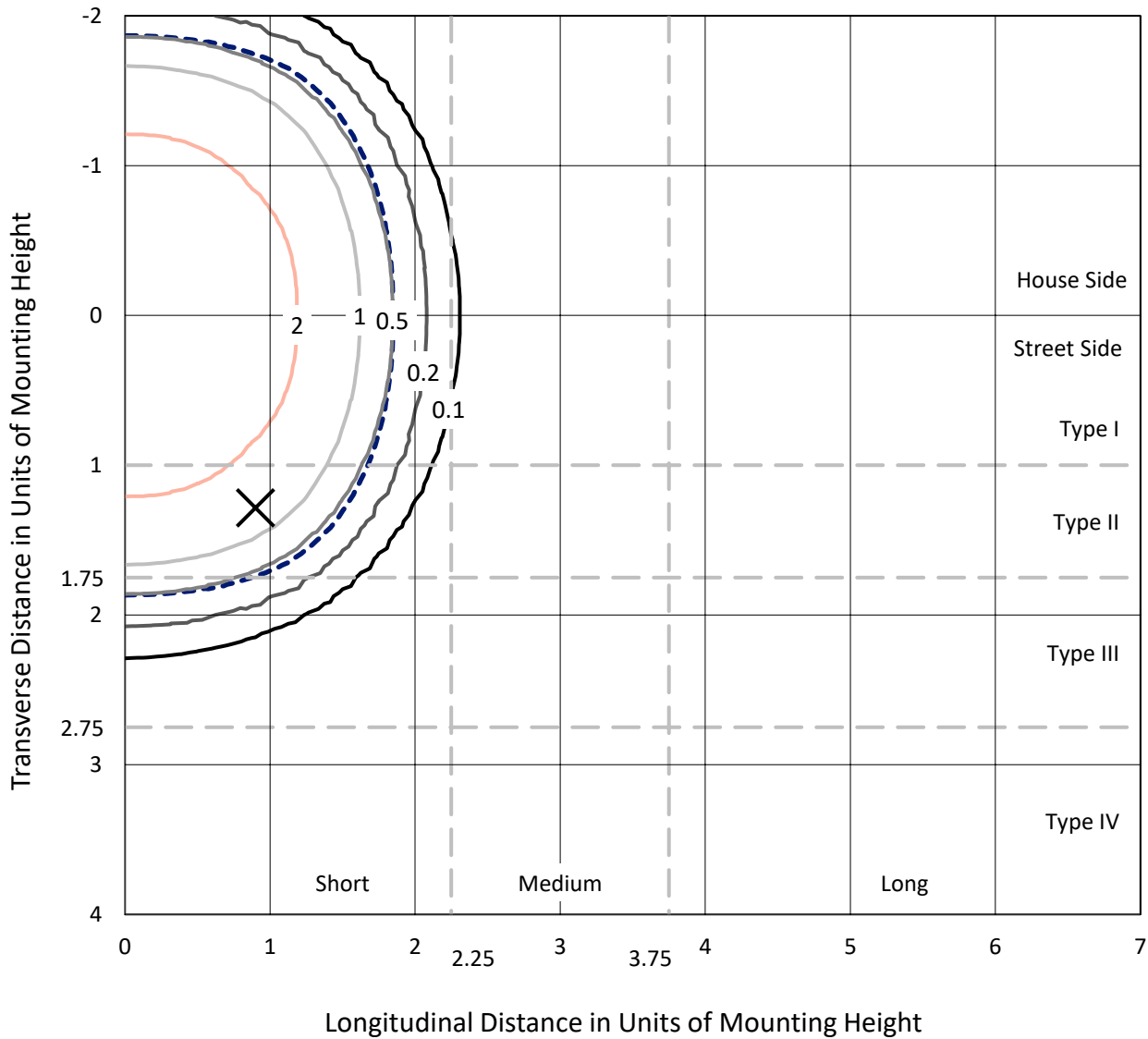
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

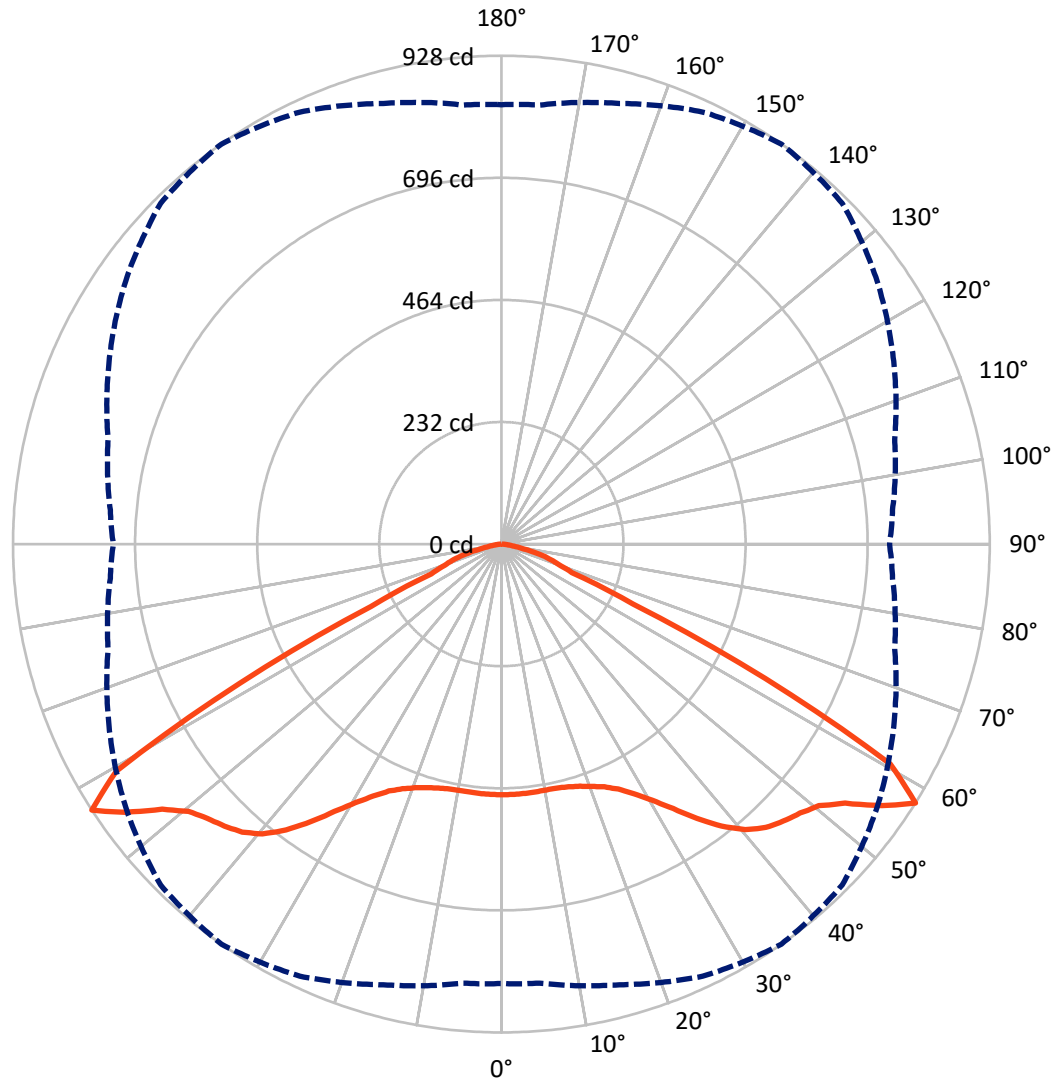
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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	1245.0	0.0	1245.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1245.0	0.0	1245.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2490.0	0.0	2490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	1.8
10°-20°	135.2	5.4
20°-30°	235.9	9.5
30°-40°	386.9	15.5
40°-50°	569.8	22.9
50°-60°	727.2	29.2
60°-70°	306.5	12.3
70°-80°	73.2	2.9
80°-90°	10.0	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°	2490.0	100.0
0°-180°	2490.0	100.0

Coefficient of Utilization



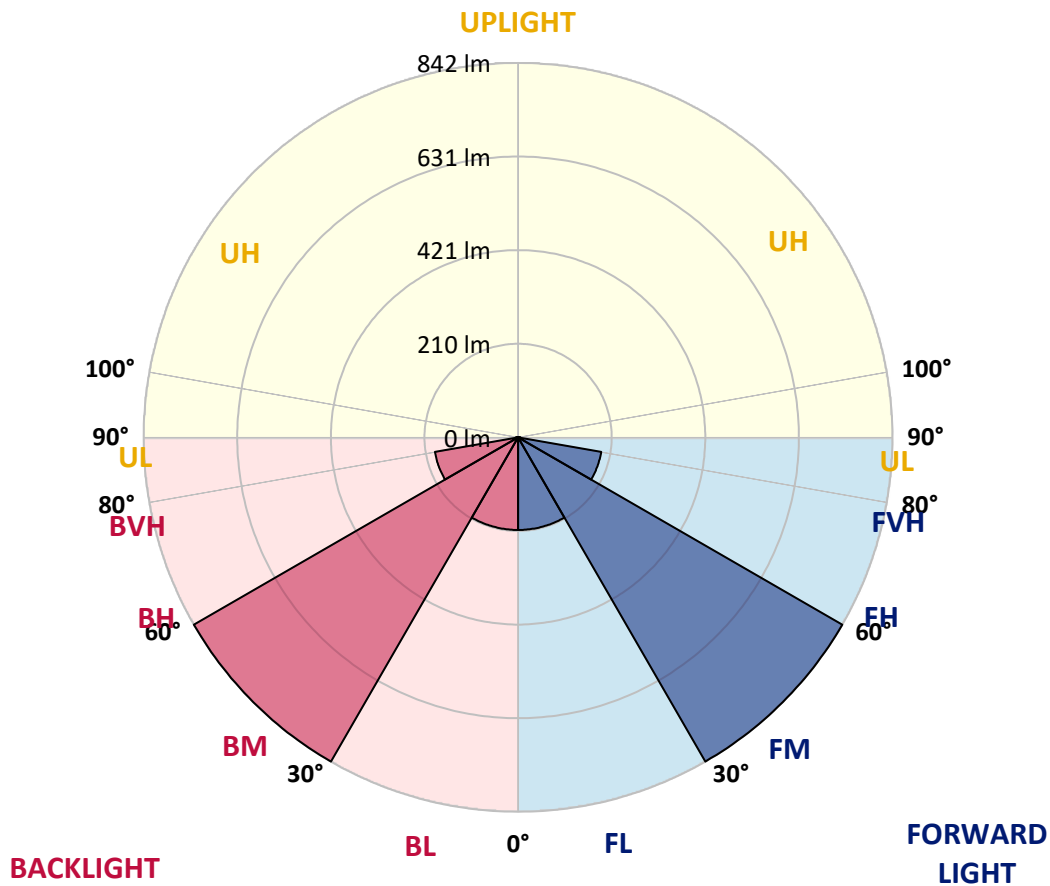
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.2	8.4			
FM (30°-60°)	841.9	33.8			
FH (60°-80°)	189.8	7.6			G0/660
FVH (80°-90°)	5.0	0.2			G0/10
BL (0°-30°)	208.2	8.4	B1/500		
BM (30°-60°)	841.9	33.8	B1/1000		
BH (60°-80°)	189.8	7.6	B1/500		G0/660
BVH (80°-90°)	5.0	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°	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4
2.5°	473.6	473.6	474.6	475.6	476.0	477.9	477.7	477.0	476.6	475.4	477.0
5°	474.6	474.6	475.4	476.0	475.8	477.2	476.6	475.6	475.0	473.8	475.6
7.5°	474.4	474.4	475.0	475.6	475.2	476.4	475.4	474.0	473.0	471.7	473.4
10°	471.7	472.2	472.8	474.2	474.8	476.6	475.2	473.0	471.3	469.9	471.5
12.5°	471.3	471.7	472.6	474.4	475.4	478.1	476.2	472.6	470.1	468.3	469.9
15°	473.2	473.6	474.8	477.0	478.7	481.5	478.9	473.8	470.3	467.9	469.3
17.5°	475.4	476.0	477.9	481.1	483.8	486.8	483.6	477.5	472.6	469.3	470.5
20°	477.9	478.7	481.5	486.4	491.3	495.2	491.1	483.0	477.0	472.8	474.0
22.5°	482.1	483.2	486.8	493.8	501.1	506.8	501.7	490.7	483.0	477.5	478.5
25°	490.9	492.1	496.8	505.2	515.6	522.5	515.4	502.9	492.1	485.4	486.4
27.5°	506.4	507.0	513.1	524.1	537.0	544.9	536.4	521.7	509.7	501.9	502.7
30°	526.8	528.6	534.7	549.2	564.5	575.1	563.9	546.6	532.7	523.3	524.1
32.5°	551.7	552.9	562.1	577.1	599.2	611.4	596.1	575.5	558.8	547.4	548.2
35°	584.3	585.3	594.1	613.2	639.9	651.3	633.8	610.2	590.8	580.0	583.1
37.5°	623.2	625.1	631.4	650.3	680.1	691.3	671.1	649.1	628.9	618.9	621.2
40°	665.0	664.8	669.9	686.6	713.7	720.7	702.5	685.0	667.7	661.1	664.8
42.5°	700.9	699.9	703.5	717.4	736.2	736.8	724.7	715.0	702.7	698.2	701.7
45°	726.0	726.4	731.9	741.5	751.0	745.9	742.3	740.6	731.1	724.9	725.6
47.5°	745.7	747.4	756.1	762.7	763.9	755.3	760.4	762.9	754.9	745.5	742.9
50°	763.3	765.9	777.3	784.3	781.6	770.8	780.8	784.5	766.9	749.0	743.7
52.5°	795.1	798.1	812.0	821.0	817.9	807.1	816.5	803.4	773.9	751.9	745.1
55°	845.8	847.3	864.2	878.9	877.4	864.2	856.6	827.7	791.8	769.0	762.7
57.5°	835.0	837.5	866.8	906.0	928.0	916.0	871.7	822.4	773.7	746.1	737.6
60°	657.1	663.0	699.5	768.4	849.1	848.9	766.7	690.1	631.4	594.9	591.2
62.5°	383.7	387.8	421.0	490.7	563.1	567.6	509.9	457.3	405.9	381.2	369.4
65°	181.6	181.4	194.7	226.1	275.0	278.9	261.6	232.8	202.4	194.1	191.8
67.5°	134.1	134.1	133.1	135.4	144.7	146.8	144.7	140.1	137.2	139.0	137.8
70°	116.4	116.6	115.4	114.8	114.8	114.2	115.0	116.8	118.0	120.5	119.3
72.5°	94.4	94.6	94.6	94.8	95.0	94.2	95.4	96.4	96.6	97.4	96.6
75°	67.1	67.5	68.7	69.7	70.5	70.5	70.9	71.1	70.3	71.4	69.7
77.5°	36.9	37.3	39.5	41.4	43.2	43.4	44.0	44.4	44.0	44.9	43.6
80°	20.4	20.8	21.8	22.6	24.1	25.3	26.1	26.5	26.5	27.1	26.5
82.5°	11.6	12.0	12.6	13.0	14.3	15.3	16.1	16.7	16.7	16.9	16.5
85°	5.5	5.5	5.9	6.3	6.9	7.3	8.4	9.0	9.0	9.4	9.0
87.5°	0.8	1.0	1.2	1.2	1.6	2.0	2.4	2.7	3.1	3.3	3.3
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)