

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: P628788

Luminaire Tested: GWS-SA1A-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1817.8 lumens
Efficiency: N/A
Efficacy: 92.3 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

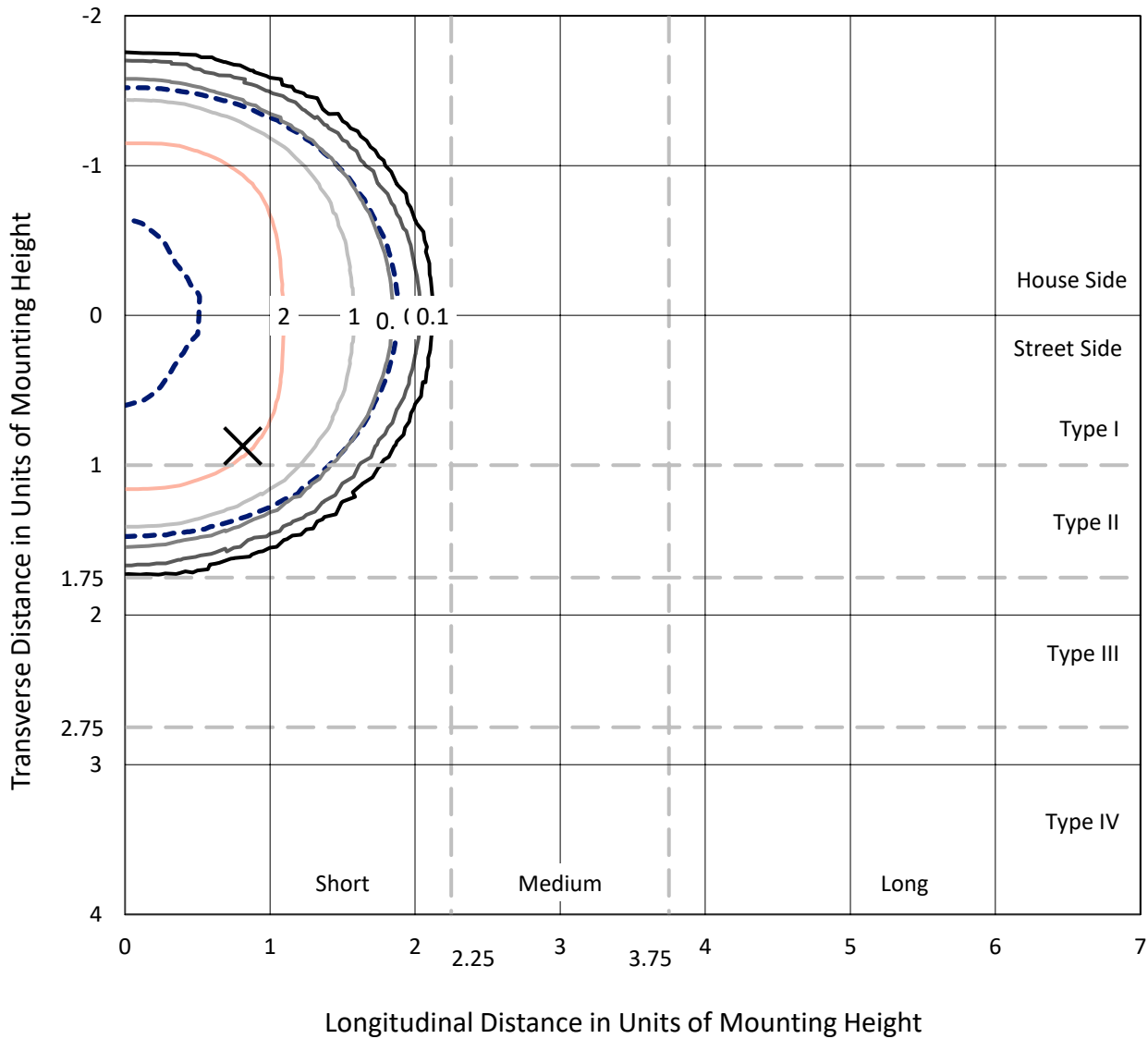
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

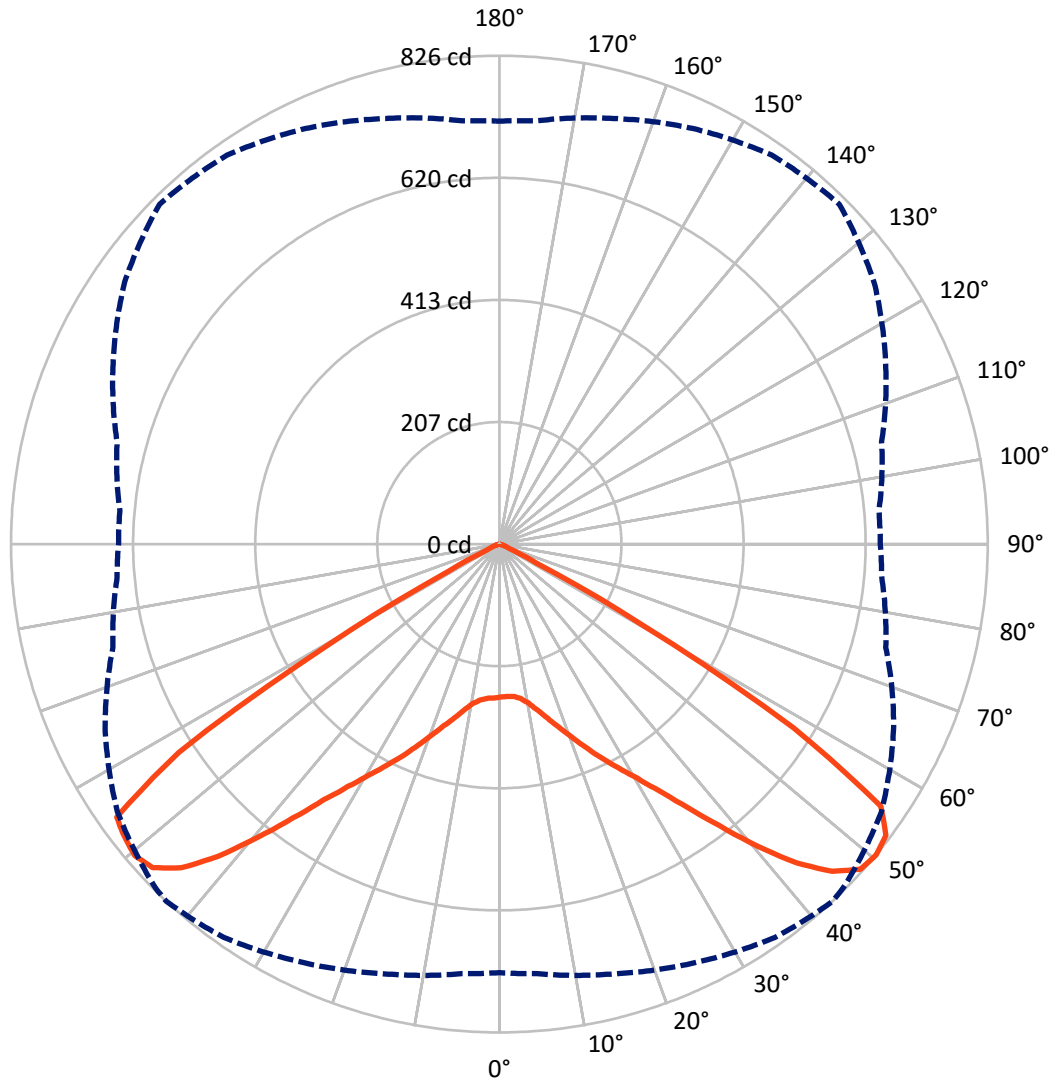
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.9	0.0	908.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	908.9	0.0	908.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	1817.8	0.0	1817.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.4
10°-20°	87.6	4.8
20°-30°	177.3	9.8
30°-40°	328.9	18.1
40°-50°	546.0	30.0
50°-60°	557.2	30.7
60°-70°	91.4	5.0
70°-80°	4.0	0.2
80°-90°	0.1	0.0
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°	1817.8	100.0
0°-180°	1817.8	100.0

Coefficient of Utilization



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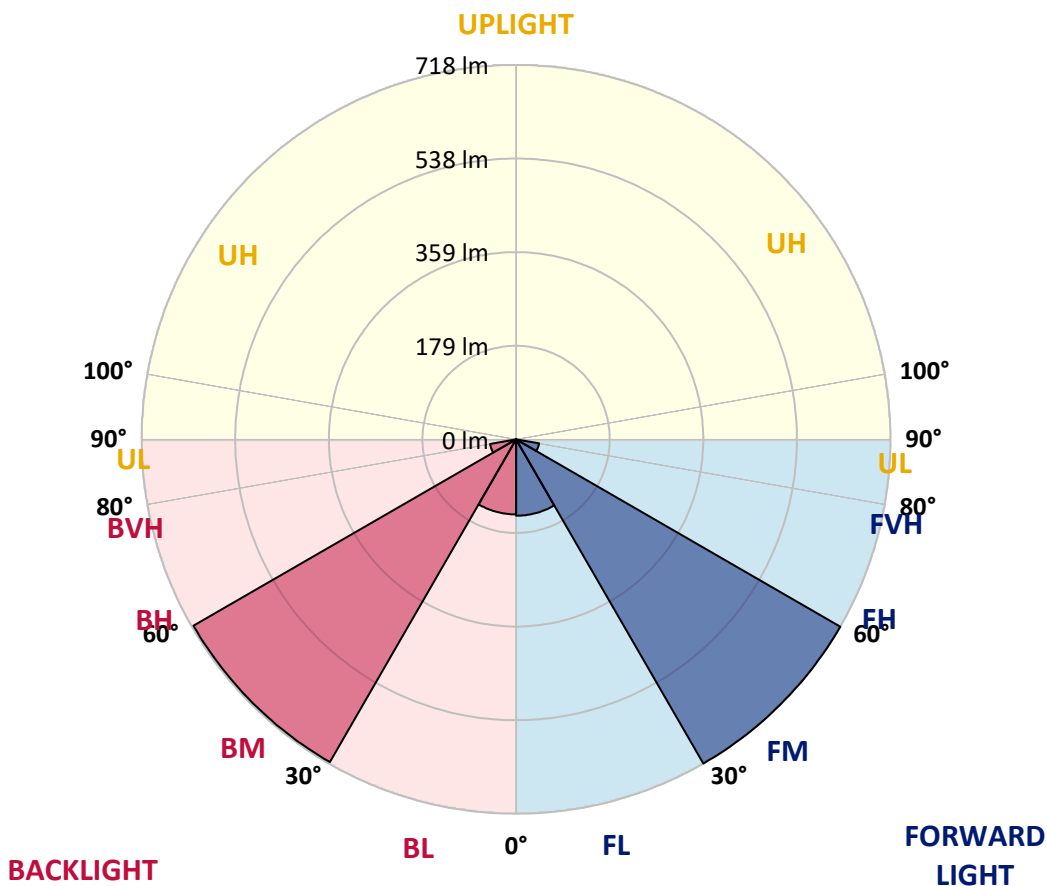
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	8.1			
FM (30°-60°)	717.8	39.5			
FH (60°-80°)	44.7	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	143.9	7.9	B1/500		
BM (30°-60°)	714.3	39.3	B1/1000		
BH (60°-80°)	50.7	2.8	B0/110		G0/660
BVH (80°-90°)	0.0	0.0			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°	43°	45°	55°	65°	75°	85°
0°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	253.7	254.3	255.1	255.9	256.9	258.0	258.6	260.4	260.0	261.6	261.6
5°	250.9	251.5	252.5	254.3	256.5	258.8	260.4	264.0	266.0	269.2	270.4
7.5°	252.3	253.1	254.3	257.1	260.6	264.0	265.8	271.6	275.6	281.7	285.1
10°	256.9	257.7	259.8	264.6	269.0	273.8	276.0	283.5	289.9	298.2	303.0
12.5°	262.2	263.2	267.2	274.4	282.1	288.5	291.5	299.8	306.4	315.7	323.3
15°	267.6	269.2	275.4	286.1	297.0	305.6	308.8	317.7	324.3	334.1	342.8
17.5°	280.3	282.1	289.1	300.6	315.5	325.5	328.3	337.6	342.6	349.2	358.3
20°	296.2	299.6	308.2	322.1	338.4	348.0	350.0	359.1	358.7	361.5	369.3
22.5°	315.9	318.3	327.7	344.2	362.5	373.2	377.8	381.6	376.6	374.2	379.2
25°	336.4	339.2	349.4	367.5	388.0	400.3	404.1	407.1	399.1	390.0	390.6
27.5°	362.9	364.9	375.0	394.3	414.8	428.6	432.1	437.3	426.6	412.2	408.1
30°	394.5	396.5	407.1	427.4	447.7	459.6	464.8	471.3	459.6	441.5	436.9
32.5°	431.5	433.5	447.1	468.0	484.7	497.6	502.6	509.5	500.2	479.9	474.7
35°	475.7	476.9	493.0	515.7	533.4	545.9	549.3	557.3	547.1	526.8	523.9
37.5°	527.0	528.4	545.9	572.2	590.3	604.2	609.6	611.8	599.3	576.6	574.4
40°	583.3	587.9	605.0	633.3	653.6	671.1	675.9	668.5	651.0	620.0	616.0
42.5°	642.0	646.0	665.1	695.8	719.4	737.3	737.5	721.4	691.6	648.8	642.8
45°	690.8	692.4	717.2	748.1	777.1	789.7	790.9	761.8	717.0	665.5	652.6
47.5°	724.4	727.0	748.5	778.3	810.2	821.7	819.3	782.9	729.0	676.3	655.0
50°	724.8	729.2	752.5	781.3	812.3	826.1	822.7	788.9	735.9	676.7	649.2
52.5°	660.7	667.9	705.9	747.5	795.0	818.7	819.5	796.8	733.2	670.3	644.0
55°	498.4	506.2	554.1	625.1	716.8	782.9	794.4	787.5	730.2	673.1	653.2
57.5°	263.8	257.7	284.3	354.7	469.9	586.9	620.4	675.1	696.6	676.5	670.3
60°	57.5	61.3	81.6	110.0	183.4	276.0	308.8	402.5	513.9	563.3	599.1
62.5°	24.7	24.3	25.3	28.8	42.0	70.0	85.4	139.5	220.2	302.4	358.1
65°	20.3	20.5	21.3	21.3	19.9	20.1	21.1	32.0	51.5	72.2	96.9
67.5°	15.3	15.5	16.9	17.3	16.3	14.5	14.3	12.1	12.7	15.9	16.5
70°	9.7	9.7	10.5	10.9	10.9	10.1	9.9	8.6	8.4	9.7	10.9
72.5°	5.2	5.2	5.6	5.8	5.6	5.4	5.4	5.2	5.0	5.8	7.4
75°	2.2	2.2	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.6	4.0
77.5°	0.4	0.6	0.8	0.6	0.4	0.4	0.4	0.6	0.6	0.8	1.2
80°	0.2	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6	258.6
2.5°	263.0	260.8	261.6	262.0	261.4	261.0	258.8	258.2	257.1	255.5	255.1
5°	271.8	270.0	269.8	268.6	265.8	262.4	258.2	256.3	254.3	252.3	251.9
7.5°	286.7	284.5	283.1	279.1	272.6	267.2	260.2	256.3	253.7	251.1	250.5
10°	305.8	303.2	299.2	291.7	283.1	275.2	267.0	262.0	258.0	254.3	254.1
12.5°	326.1	323.3	316.1	306.6	296.2	288.9	278.5	271.4	265.4	260.0	259.4
15°	347.4	344.0	334.1	322.9	313.2	305.8	294.3	283.1	273.8	266.0	265.2
17.5°	363.7	359.5	347.8	339.4	331.5	323.9	311.0	296.2	283.9	274.4	272.2
20°	374.0	369.9	358.9	354.3	350.6	345.2	329.9	314.4	300.8	289.1	287.1
22.5°	383.8	379.0	369.3	369.3	372.1	369.9	353.5	335.8	319.7	306.2	303.2
25°	394.9	391.0	384.2	389.8	396.9	396.7	379.8	357.7	339.2	324.1	321.1
27.5°	411.0	407.1	404.7	415.4	424.2	423.6	405.1	381.2	361.7	346.8	344.0
30°	439.3	435.7	433.1	445.9	457.2	453.0	432.7	409.5	389.8	373.0	370.9
32.5°	477.1	473.3	469.9	482.7	492.8	487.4	468.0	446.3	423.6	407.1	403.1
35°	526.8	518.7	515.3	530.6	534.8	528.8	510.3	491.2	467.0	448.1	445.5
37.5°	578.0	568.6	566.2	579.4	586.3	584.1	562.3	542.4	516.3	495.4	492.4
40°	621.9	613.2	609.0	629.7	645.2	646.6	627.1	602.8	572.0	550.3	544.9
42.5°	647.6	640.2	639.1	671.3	696.6	714.7	691.4	666.3	633.9	609.4	605.0
45°	653.4	648.6	657.0	699.3	738.7	771.6	751.7	725.2	690.2	664.3	660.1
47.5°	652.8	651.2	666.3	713.7	763.6	804.2	794.4	764.4	730.6	703.5	699.5
50°	644.2	644.4	669.5	721.0	773.6	813.1	803.2	775.5	745.3	718.6	715.3
52.5°	640.8	639.5	663.5	718.8	783.9	809.0	786.9	755.8	722.2	689.2	684.4
55°	652.8	649.8	664.3	717.0	785.1	806.8	748.5	681.0	612.2	573.2	570.0
57.5°	670.9	667.7	674.5	703.7	722.2	670.9	550.9	441.9	371.1	341.2	328.1
60°	599.1	596.9	591.7	556.5	477.3	360.1	245.3	156.4	112.4	90.9	90.9
62.5°	371.7	368.7	340.4	252.9	183.8	106.4	58.5	36.6	27.7	25.9	25.7
65°	104.3	103.7	85.8	60.7	38.6	23.9	21.1	21.5	21.1	20.5	20.3
67.5°	15.7	17.3	17.3	14.1	13.5	15.1	17.7	18.9	17.9	16.9	16.5
70°	10.1	10.9	10.5	9.0	9.7	11.3	12.7	12.9	12.3	11.3	11.1
72.5°	7.0	7.8	6.4	5.8	6.0	6.6	7.2	7.2	7.0	6.6	6.2
75°	4.2	4.2	3.0	2.8	2.8	3.0	3.0	3.4	3.4	3.2	3.0
77.5°	1.4	1.6	1.0	0.8	0.8	0.8	1.0	1.2	1.2	1.0	0.8
80°	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)