

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: P628775

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 1713.7 lumens
Efficiency: N/A
Efficacy: 87.0 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

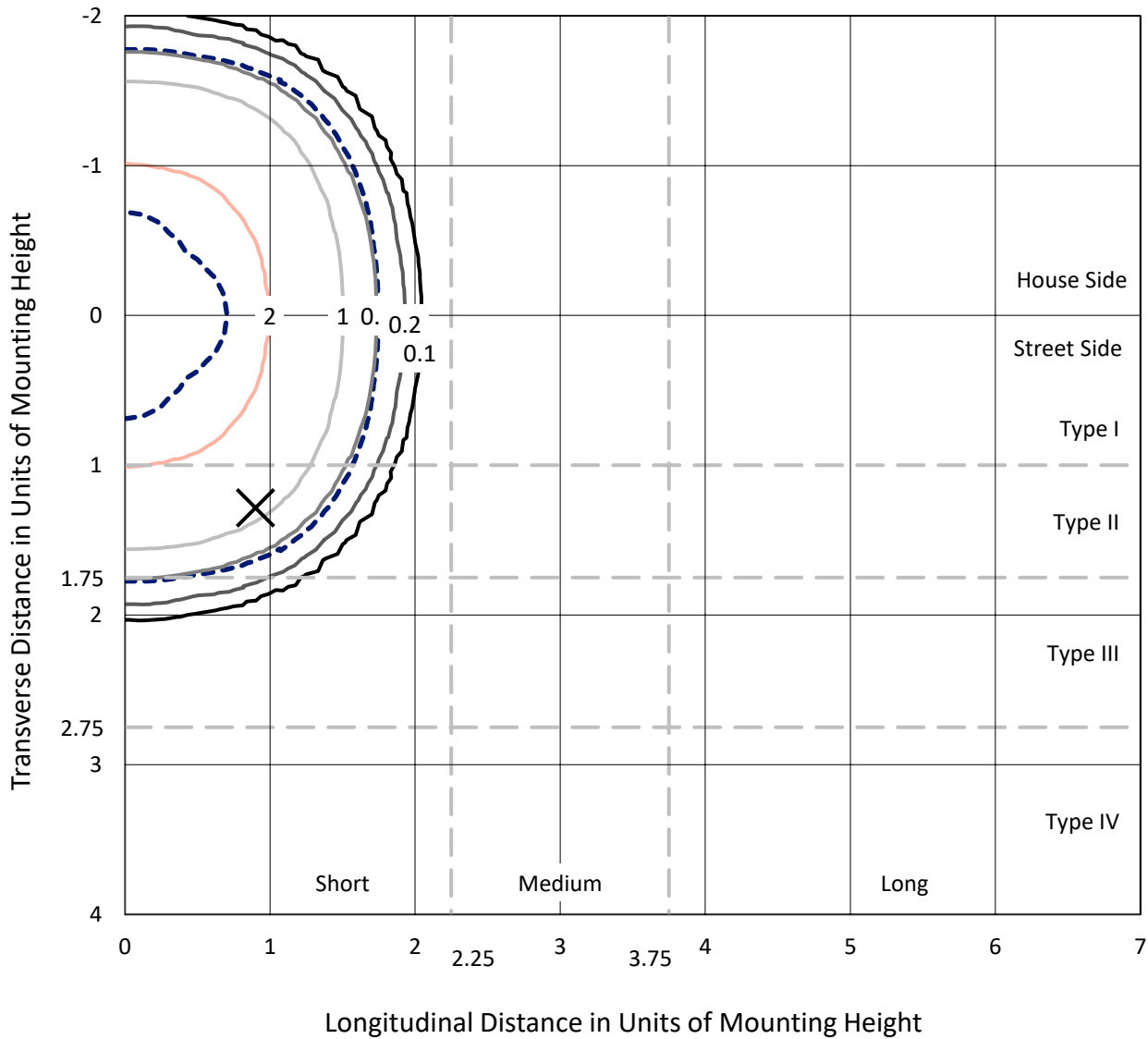
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

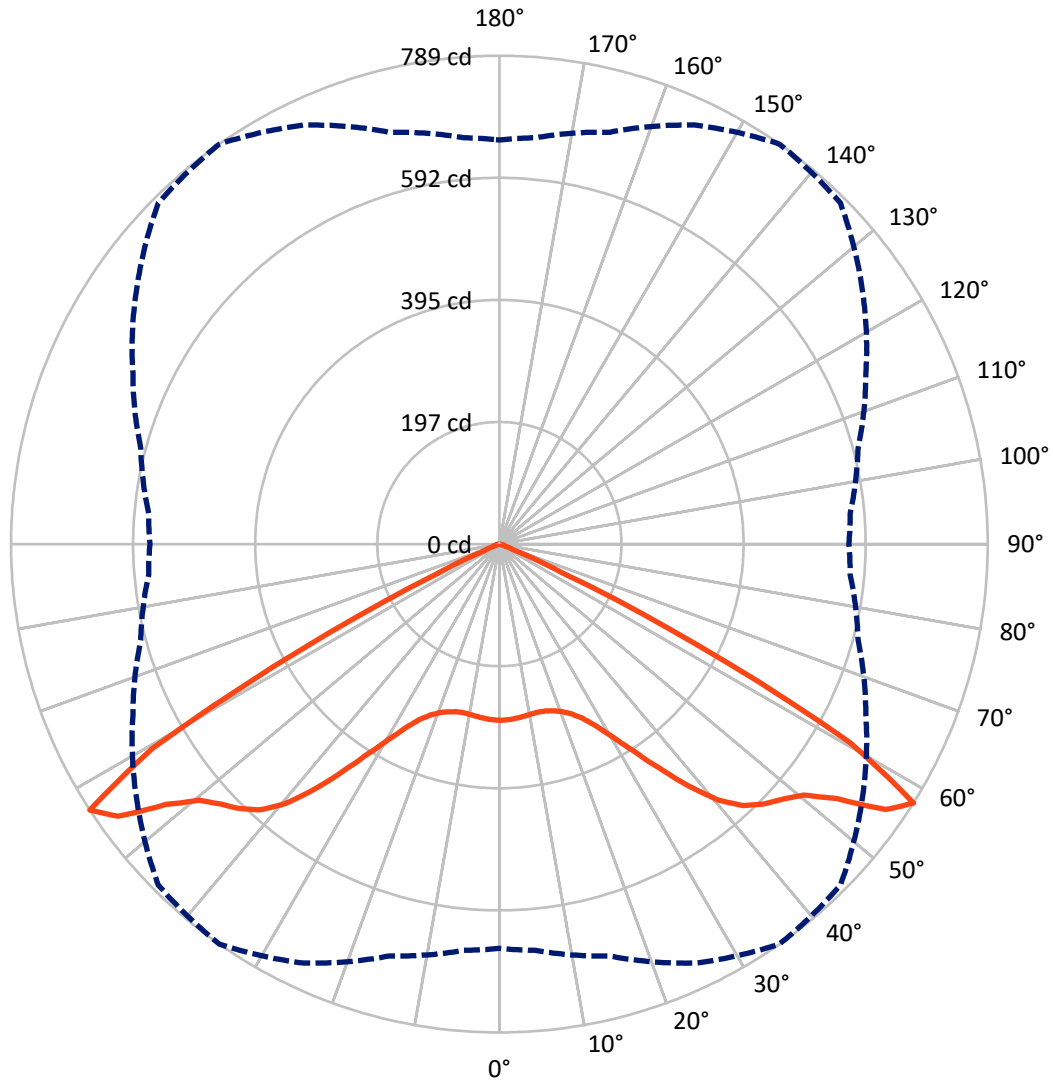
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 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	856.8	0.0	856.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	856.8	0.0	856.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	1713.7	0.0	1713.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.6
10°-20°	79.0	4.6
20°-30°	142.7	8.3
30°-40°	266.3	15.5
40°-50°	446.7	26.1
50°-60°	589.9	34.4
60°-70°	156.7	9.1
70°-80°	5.5	0.3
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°	1713.7	100.0
0°-180°	1713.7	100.0

Coefficient of Utilization



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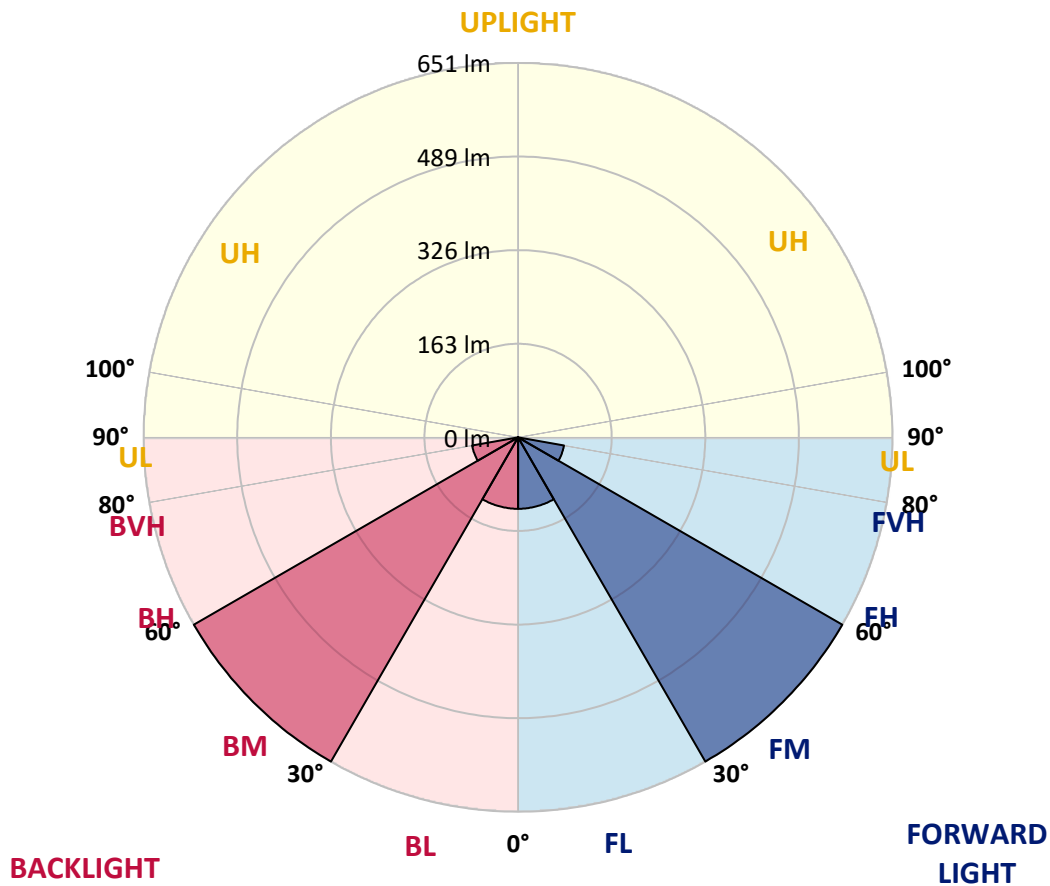
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.3	7.3			
FM (30°-60°)	651.4	38.0			
FH (60°-80°)	81.1	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	124.3	7.3	B1/500		
BM (30°-60°)	651.4	38.0	B1/1000		
BH (60°-80°)	81.1	4.7	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°	45°	55°	65°	75°	85°	90°
0°	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9	284.9
2.5°	282.9	282.7	283.5	284.1	284.1	285.5	285.1	284.7	284.3	283.7	285.1
5°	282.5	282.3	282.9	283.3	282.9	284.1	283.3	282.5	282.1	281.3	282.9
7.5°	280.7	280.9	281.3	281.7	281.1	282.1	281.1	279.9	278.9	278.1	279.5
10°	277.9	278.1	278.5	279.3	279.5	280.9	279.5	277.3	275.9	274.7	276.1
12.5°	276.5	276.7	277.3	278.3	278.5	280.3	278.5	275.3	273.3	271.8	273.3
15°	276.9	277.3	278.1	279.3	279.7	281.5	279.1	274.9	272.0	270.2	271.4
17.5°	278.3	278.7	279.9	281.9	283.3	285.1	282.1	276.7	272.9	270.2	271.4
20°	280.1	280.7	282.7	285.9	288.9	292.2	288.3	280.9	275.9	272.7	273.7
22.5°	285.1	285.7	288.5	292.8	297.8	301.8	297.2	287.7	280.9	276.7	277.7
25°	295.4	296.0	299.6	305.0	311.5	316.7	310.9	299.0	290.1	285.3	285.7
27.5°	311.5	312.1	316.3	323.9	332.6	340.0	331.6	317.7	307.6	302.0	302.0
30°	331.8	332.6	338.2	348.5	361.9	371.8	360.3	343.4	330.6	322.9	323.1
32.5°	357.9	357.1	365.1	379.2	398.3	411.4	394.5	374.0	358.1	347.5	348.5
35°	391.5	391.3	400.3	419.4	444.4	460.1	439.9	413.4	394.3	383.4	383.6
37.5°	434.7	434.5	445.0	465.7	495.6	508.7	486.2	459.2	438.7	428.3	429.5
40°	485.4	484.2	493.4	513.3	543.3	551.7	527.2	505.5	485.8	479.2	482.4
42.5°	533.6	531.0	536.5	554.6	577.7	578.9	560.4	545.5	532.0	526.8	528.8
45°	572.5	570.4	575.5	585.9	599.2	593.2	584.3	579.7	568.8	563.2	565.0
47.5°	601.4	601.4	607.4	613.9	615.9	604.8	606.2	606.2	595.4	586.5	584.3
50°	626.3	628.1	637.2	643.8	637.2	623.1	631.2	629.6	607.4	589.7	585.1
52.5°	666.1	668.0	681.8	690.9	683.4	669.6	670.6	650.5	617.9	597.0	589.7
55°	708.4	712.8	732.9	757.0	757.2	743.0	716.4	680.8	641.2	618.5	611.1
57.5°	653.1	659.1	689.1	747.2	789.2	779.4	716.0	653.5	600.0	569.0	564.8
60°	449.4	459.9	489.8	569.2	650.3	654.1	579.3	509.1	447.8	409.6	410.4
62.5°	189.8	200.5	217.4	282.7	357.1	361.7	325.5	275.3	225.2	197.7	201.9
65°	44.6	47.7	52.7	78.2	113.4	118.6	109.4	85.3	62.9	53.3	54.3
67.5°	19.5	19.9	18.9	20.1	24.9	25.5	24.7	21.7	20.5	20.9	20.9
70°	13.7	13.9	13.1	12.5	11.9	11.1	11.5	12.7	13.7	14.5	14.3
72.5°	8.4	8.6	8.8	8.8	8.2	7.4	7.8	8.6	8.8	9.0	8.8
75°	4.2	4.4	4.8	5.0	4.8	4.6	4.6	4.8	4.8	4.6	4.6
77.5°	0.8	1.0	1.4	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.6
80°	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.2	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	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
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)