

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: P628940

Luminaire Tested: GWS-SA1A-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628940
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1753 lumens
Efficiency: N/A
Efficacy: 89.0 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

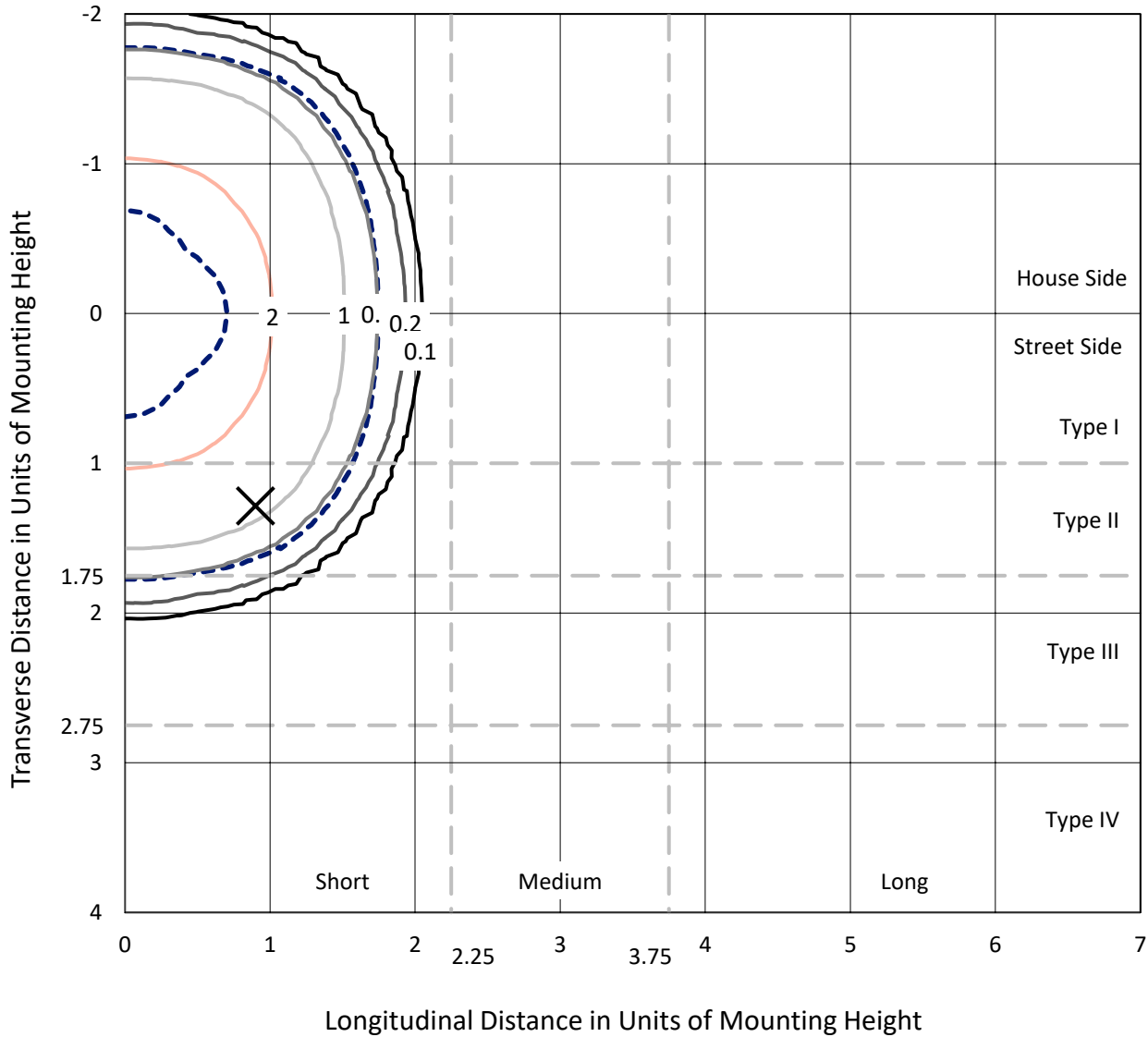
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

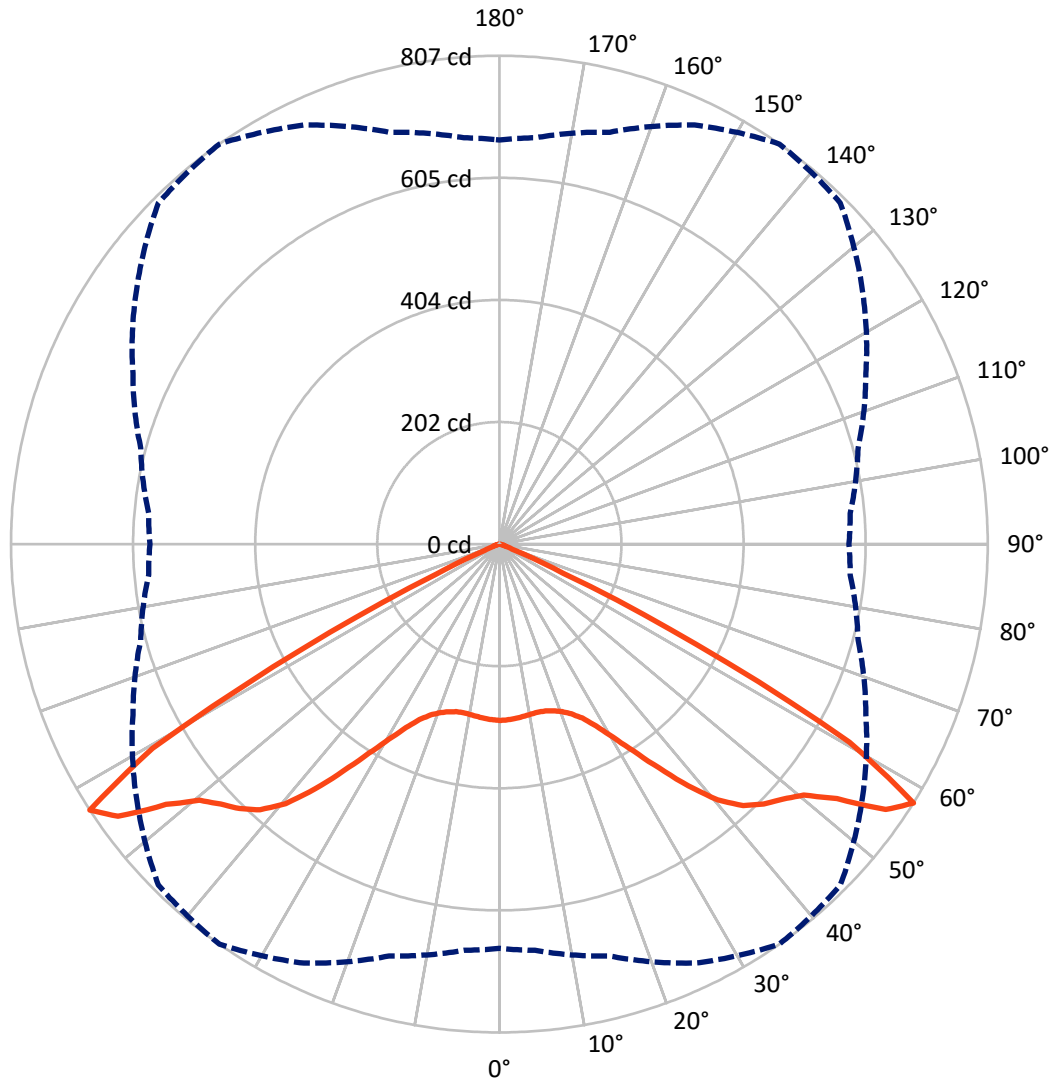
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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	876.5	0.0	876.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	876.5	0.0	876.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1753.0	0.0	1753.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.6
10°-20°	80.8	4.6
20°-30°	146.0	8.3
30°-40°	272.4	15.5
40°-50°	456.9	26.1
50°-60°	603.4	34.4
60°-70°	160.3	9.1
70°-80°	5.7	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°	1753.0	100.0
0°-180°	1753.0	100.0

Coefficient of Utilization



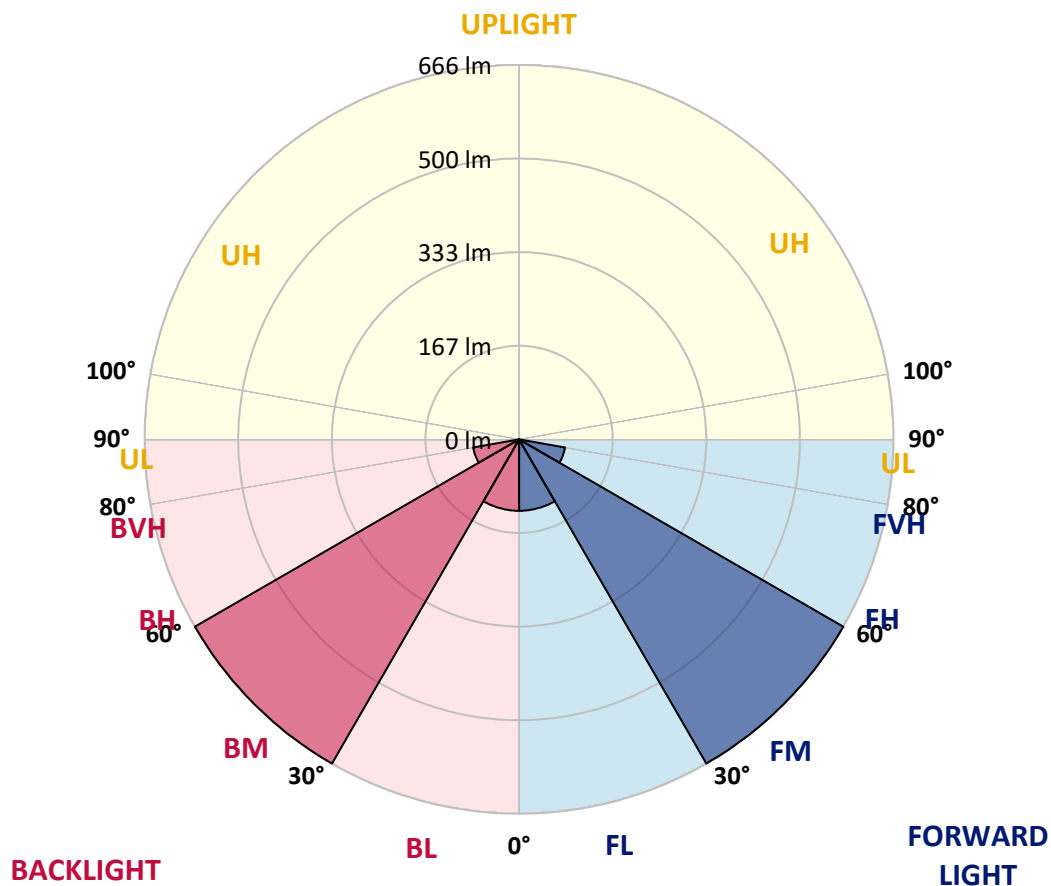
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.1	7.3			
FM (30°-60°)	666.4	38.0			
FH (60°-80°)	83.0	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	127.1	7.3	B1/500		
BM (30°-60°)	666.4	38.0	B1/1000		
BH (60°-80°)	83.0	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°	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5	291.5
2.5°	289.4	289.2	290.0	290.6	290.6	292.1	291.7	291.2	290.8	290.2	291.7
5°	289.0	288.8	289.4	289.8	289.4	290.6	289.8	289.0	288.6	287.7	289.4
7.5°	287.1	287.3	287.7	288.2	287.5	288.6	287.5	286.3	285.3	284.5	285.9
10°	284.3	284.5	284.9	285.7	285.9	287.3	285.9	283.6	282.2	281.0	282.4
12.5°	282.8	283.0	283.6	284.7	284.9	286.7	284.9	281.6	279.5	278.1	279.5
15°	283.2	283.6	284.5	285.7	286.1	288.0	285.5	281.2	278.3	276.4	277.7
17.5°	284.7	285.1	286.3	288.4	289.8	291.7	288.6	283.0	279.1	276.4	277.7
20°	286.5	287.1	289.2	292.5	295.6	298.9	294.9	287.3	282.2	278.9	279.9
22.5°	291.7	292.3	295.2	299.5	304.6	308.7	304.0	294.3	287.3	283.0	284.0
25°	302.1	302.8	306.5	312.0	318.6	323.9	318.0	305.8	296.8	291.9	292.3
27.5°	318.6	319.2	323.5	331.4	340.2	347.8	339.2	325.0	314.7	308.9	308.9
30°	339.4	340.2	346.0	356.4	370.2	380.3	368.6	351.3	338.1	330.3	330.5
32.5°	366.1	365.3	373.5	387.9	407.5	420.8	403.5	382.6	366.3	355.4	356.4
35°	400.5	400.3	409.5	429.1	454.6	470.6	450.0	422.9	403.3	392.2	392.4
37.5°	444.7	444.5	455.2	476.4	507.0	520.4	497.3	469.8	448.8	438.1	439.3
40°	496.5	495.3	504.7	525.1	555.8	564.4	539.3	517.1	496.9	490.1	493.4
42.5°	545.9	543.2	548.8	567.3	590.9	592.2	573.2	558.0	544.2	538.9	540.9
45°	585.6	583.5	588.7	599.4	612.9	606.8	597.7	593.0	581.9	576.1	578.0
47.5°	615.2	615.2	621.4	627.9	630.0	618.7	620.1	620.1	609.0	600.0	597.7
50°	640.7	642.6	651.8	658.6	651.8	637.4	645.6	644.0	621.4	603.3	598.5
52.5°	681.4	683.3	697.5	706.7	699.1	684.9	686.0	665.4	632.1	610.7	603.3
55°	724.6	729.1	749.7	774.4	774.6	760.0	732.8	696.4	655.9	632.7	625.1
57.5°	668.1	674.2	704.9	764.3	807.3	797.2	732.4	668.5	613.8	582.1	577.8
60°	459.7	470.4	501.0	582.3	665.2	669.1	592.6	520.8	458.1	419.0	419.8
62.5°	194.2	205.1	222.3	289.2	365.3	370.0	333.0	281.6	230.4	202.2	206.5
65°	45.7	48.7	53.9	80.0	116.0	121.4	111.9	87.2	64.4	54.5	55.5
67.5°	20.0	20.4	19.3	20.6	25.5	26.1	25.3	22.2	21.0	21.4	21.4
70°	14.0	14.2	13.4	12.8	12.1	11.3	11.7	13.0	14.0	14.8	14.6
72.5°	8.6	8.8	9.1	9.1	8.4	7.6	8.0	8.8	9.1	9.3	9.1
75°	4.3	4.5	4.9	5.1	4.9	4.7	4.7	4.9	4.9	4.7	4.7
77.5°	0.8	1.0	1.4	1.6	1.6	1.6	1.6	1.6	1.9	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)