

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: P629109

Luminaire Tested: GWS-SA1B-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2393.3 lumens
Efficiency: N/A
Efficacy: 95.7 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

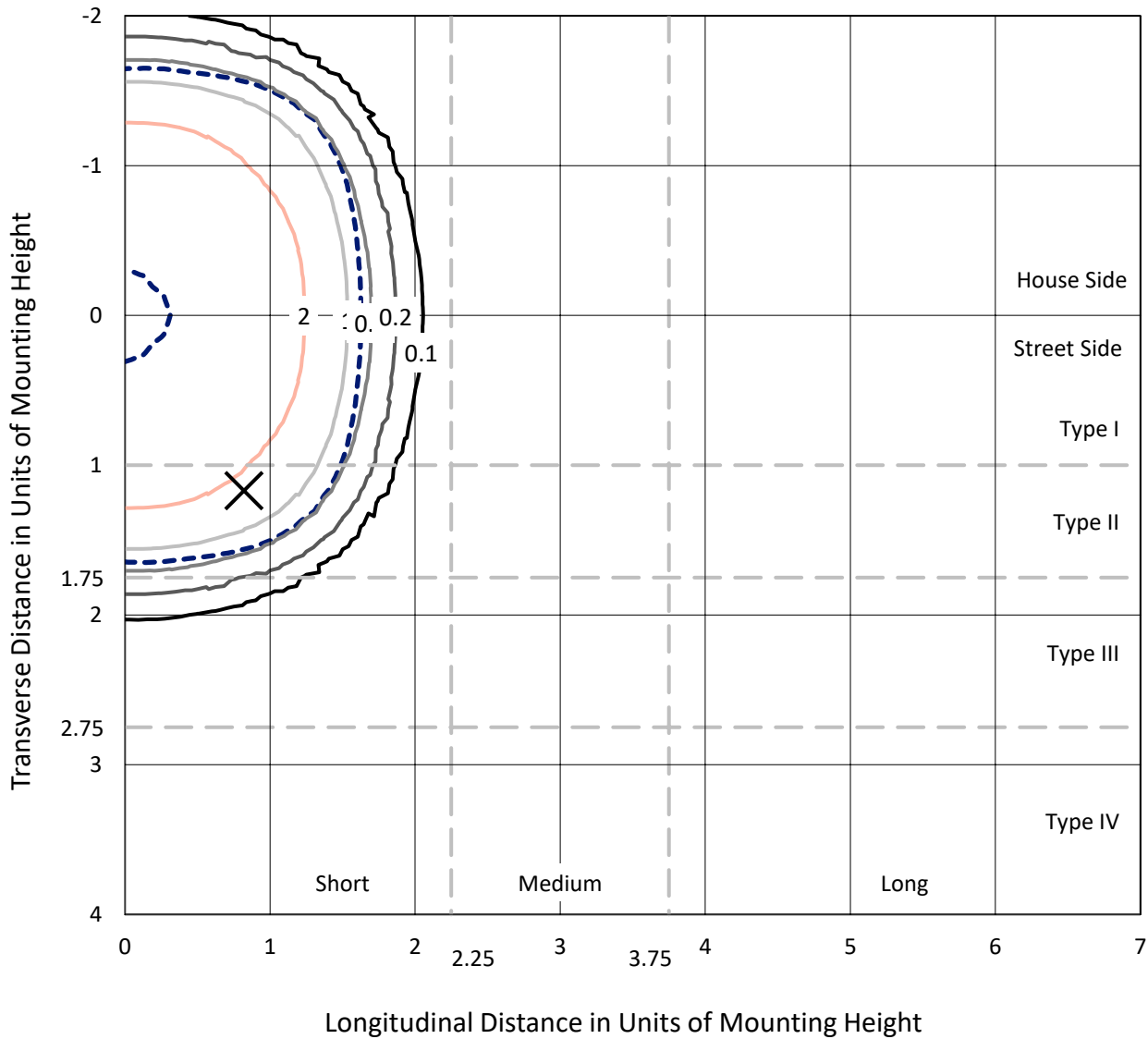
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

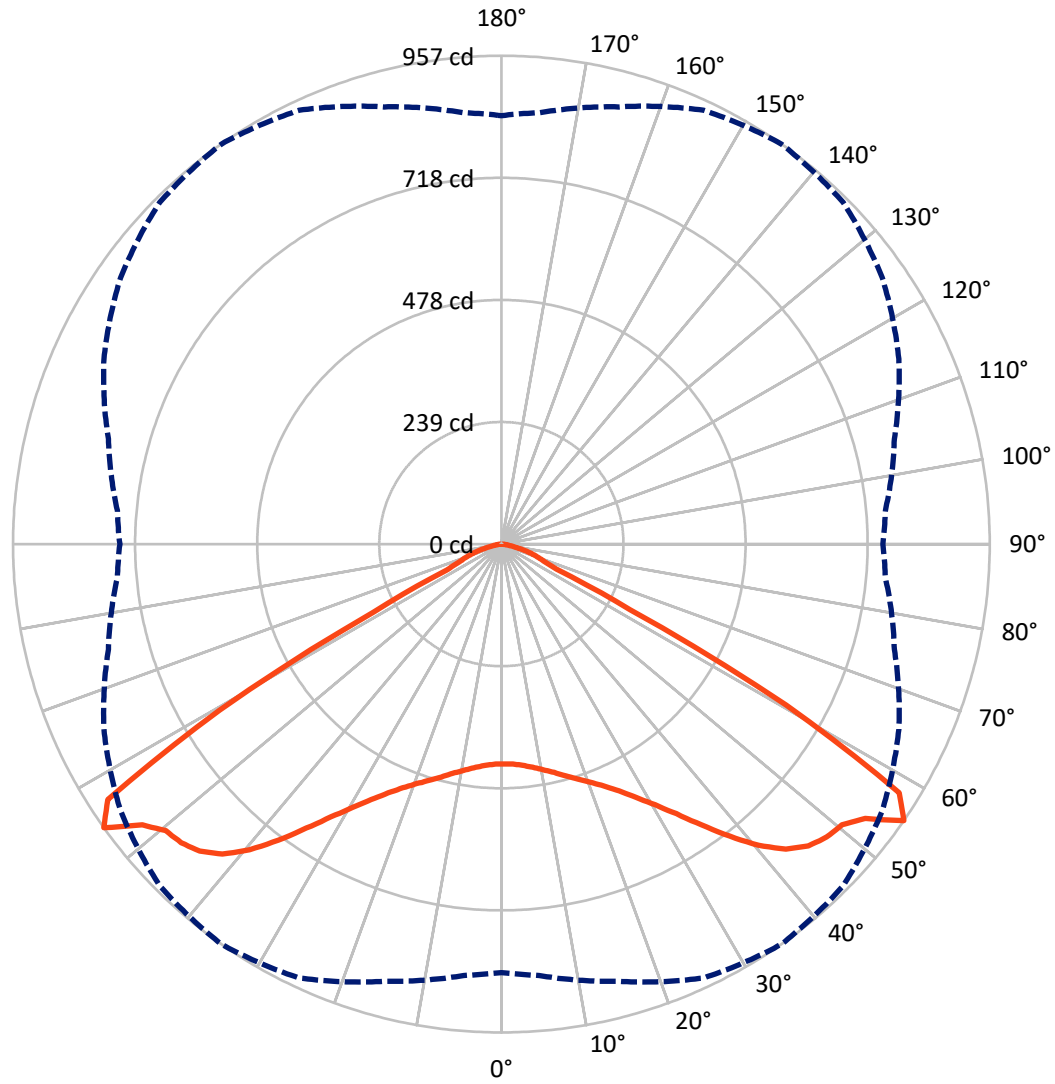
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.7	0.0	1196.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1196.7	0.0	1196.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2393.3	0.0	2393.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.8
10°-20°	133.7	5.6
20°-30°	247.5	10.3
30°-40°	414.0	17.3
40°-50°	630.8	26.4
50°-60°	706.6	29.5
60°-70°	167.2	7.0
70°-80°	45.1	1.9
80°-90°	6.5	0.3
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°	2393.3	100.0
0°-180°	2393.3	100.0

Coefficient of Utilization



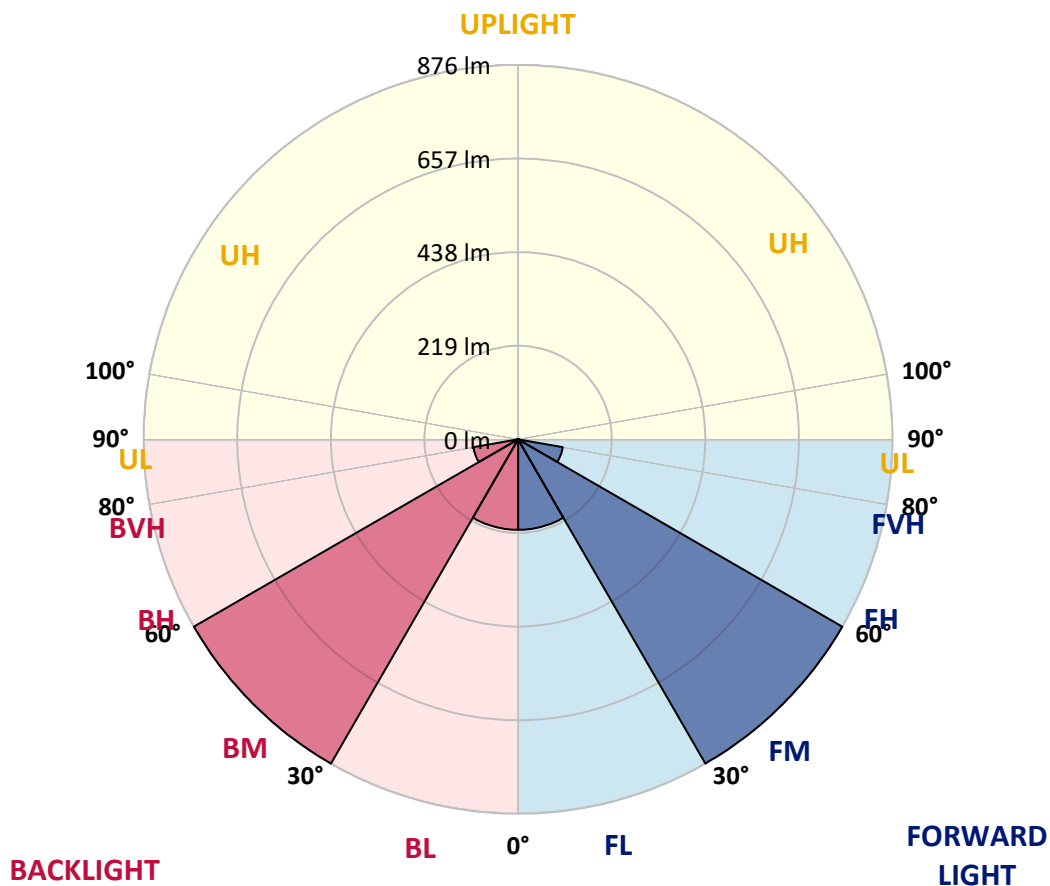
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.6	8.8			
FM (30°-60°)	875.7	36.6			
FH (60°-80°)	106.1	4.4			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	211.6	8.8	B1/500		
BM (30°-60°)	875.7	36.6	B1/1000		
BH (60°-80°)	106.1	4.4	B0/110		G0/660
BVH (80°-90°)	3.2	0.1			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°	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6	430.6
2.5°	429.6	429.6	430.4	431.3	431.5	433.4	433.0	432.3	431.9	431.1	432.8
5°	434.3	434.5	435.1	435.7	435.3	436.8	436.2	435.3	434.7	433.8	435.5
7.5°	440.6	440.6	441.2	441.9	441.5	443.8	442.7	441.3	440.4	439.3	440.8
10°	446.3	446.6	447.2	448.7	449.5	451.9	451.2	449.3	447.8	446.5	448.2
12.5°	454.8	455.2	455.7	457.8	459.1	461.6	460.5	457.8	455.5	453.7	455.5
15°	465.8	465.4	466.9	469.5	471.3	473.5	472.2	467.7	464.6	462.2	464.1
17.5°	476.9	476.7	478.3	481.7	484.1	487.1	484.9	479.6	476.4	473.3	475.2
20°	489.0	489.6	491.1	494.3	497.9	501.9	500.0	494.3	490.7	487.3	488.9
22.5°	504.0	504.2	505.9	510.0	514.8	518.6	517.4	510.4	505.9	502.3	504.2
25°	522.0	521.8	524.1	529.0	535.6	539.4	536.9	529.2	524.2	520.1	521.6
27.5°	542.6	542.4	545.8	552.3	561.7	567.0	561.9	552.3	545.4	539.6	540.9
30°	568.5	568.0	571.7	580.5	592.8	601.6	594.1	580.6	571.7	565.5	566.8
32.5°	597.3	598.1	602.8	614.5	630.0	641.6	630.2	615.3	603.4	594.3	595.8
35°	628.9	628.9	638.6	653.1	675.3	690.6	673.0	651.4	635.5	623.0	623.4
37.5°	664.1	664.5	677.2	697.2	726.2	744.2	720.3	693.6	674.3	660.9	660.1
40°	707.1	708.2	721.3	743.6	776.1	792.6	767.1	740.9	721.3	705.4	703.8
42.5°	755.5	755.9	769.7	789.8	817.2	827.1	807.0	785.6	769.5	755.1	753.6
45°	801.7	800.7	812.7	827.6	843.5	844.5	833.3	824.6	810.6	798.3	796.0
47.5°	837.7	836.9	847.7	855.8	857.7	848.4	852.0	853.4	837.1	820.4	816.1
50°	859.6	861.1	871.3	875.9	864.7	849.6	863.2	859.8	836.5	814.8	807.8
52.5°	872.9	875.1	892.9	904.5	892.9	878.5	880.4	860.4	826.9	798.1	789.0
55°	839.4	848.4	886.9	938.0	956.9	946.9	910.9	859.2	797.2	755.3	747.6
57.5°	622.1	636.5	693.4	804.2	919.2	955.8	850.7	720.3	626.3	572.5	568.0
60°	317.6	333.7	379.3	493.0	641.0	692.5	592.6	461.2	366.6	323.1	318.1
62.5°	129.6	132.3	147.2	191.2	283.3	326.8	287.1	201.6	151.4	139.5	139.7
65°	102.0	102.6	101.8	104.5	118.7	131.7	121.7	106.9	104.3	105.6	104.7
67.5°	89.0	89.1	88.6	88.6	89.1	88.6	89.7	90.3	90.7	92.2	91.2
70°	74.4	74.6	74.6	74.9	74.8	73.8	75.5	76.3	76.5	77.4	76.8
72.5°	57.5	58.1	58.5	58.7	58.5	57.9	58.9	60.2	60.0	60.9	60.0
75°	39.0	39.7	40.1	40.9	40.7	40.7	41.8	42.4	41.8	42.6	41.8
77.5°	22.1	22.7	23.8	24.6	25.4	25.9	26.7	27.1	26.9	27.3	26.9
80°	12.9	13.1	14.0	14.4	15.3	16.3	17.0	17.4	17.6	17.8	17.6
82.5°	7.4	7.6	7.9	8.3	9.1	9.8	10.6	11.2	11.2	11.4	11.2
85°	3.6	3.6	3.8	4.0	4.4	4.9	5.5	6.1	6.2	6.2	6.2
87.5°	0.6	0.6	0.8	0.8	0.9	1.1	1.5	1.9	2.1	2.1	2.1
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)