

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: P629435

Luminaire Tested: GWS-SA1B-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629435
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-SA1B-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: 2209.3 lumens
Efficiency: N/A
Efficacy: 88.4 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

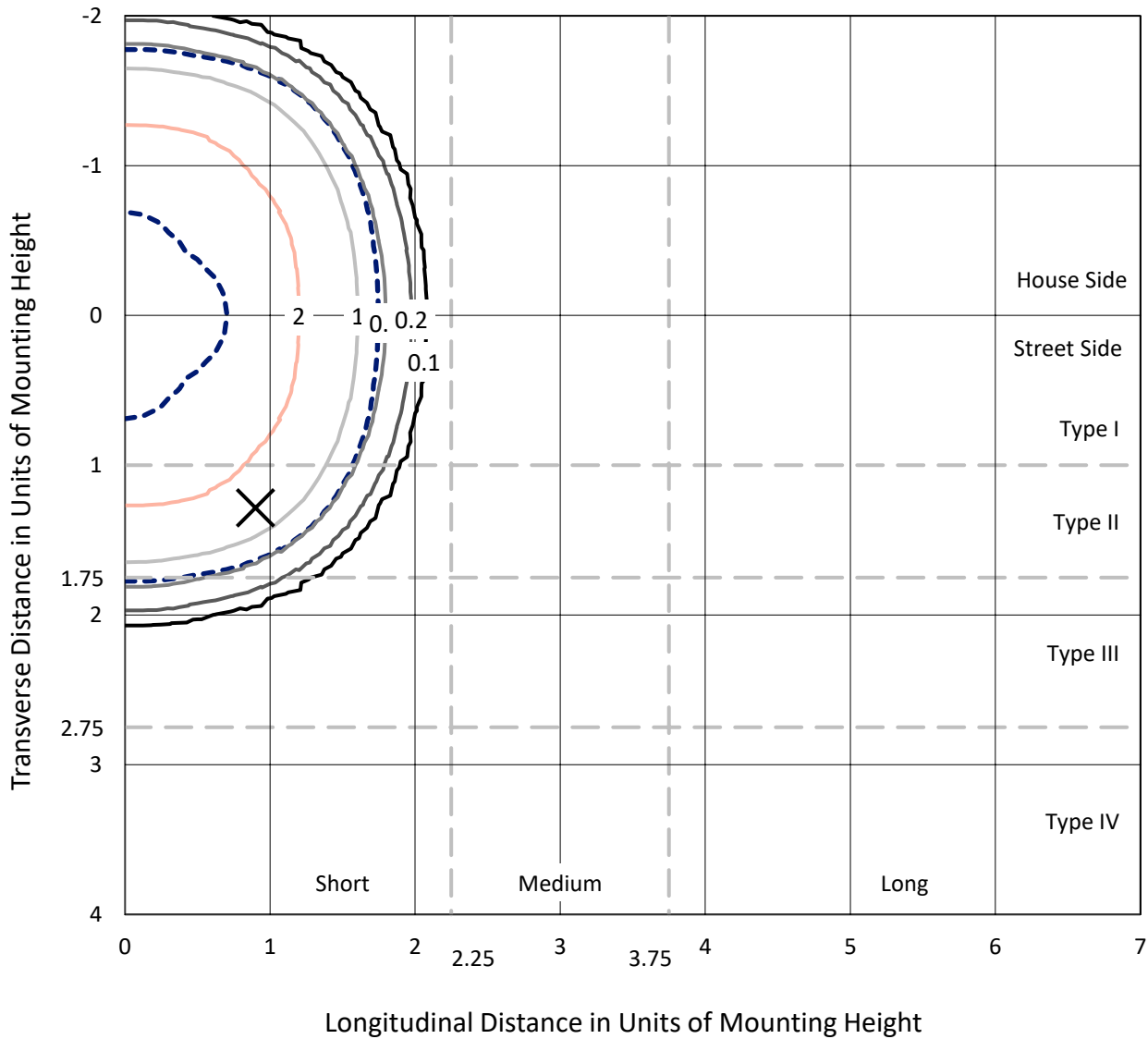
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

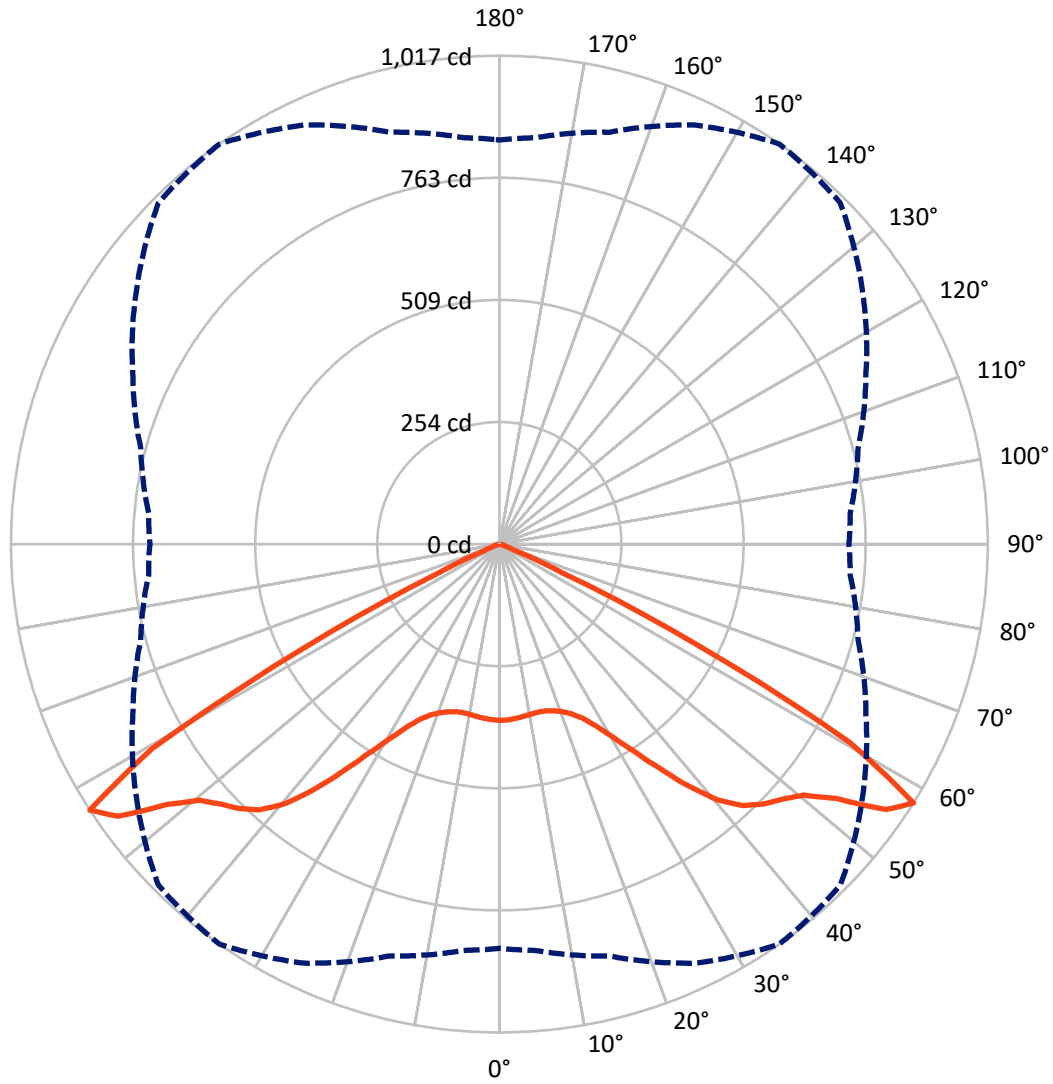
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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	1104.7	0.0	1104.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1104.7	0.0	1104.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2209.3	0.0	2209.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	1.6
10°-20°	101.8	4.6
20°-30°	184.0	8.3
30°-40°	343.3	15.5
40°-50°	575.9	26.1
50°-60°	760.5	34.4
60°-70°	202.0	9.1
70°-80°	7.2	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°	2209.3	100.0
0°-180°	2209.3	100.0

Coefficient of Utilization



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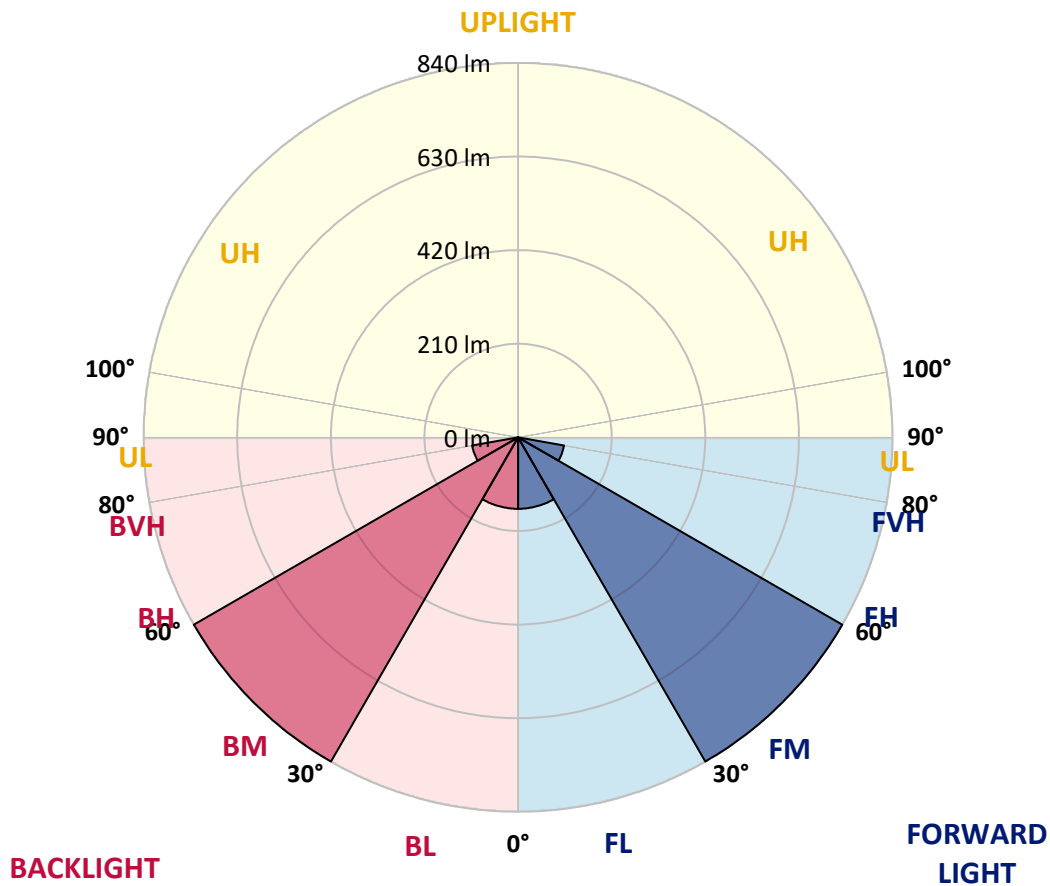
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.2	7.3			
FM (30°-60°)	839.8	38.0			
FH (60°-80°)	104.6	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	160.2	7.3	B1/500		
BM (30°-60°)	839.8	38.0	B1/1000		
BH (60°-80°)	104.6	4.7	B0/110		G0/660
BVH (80°-90°)	0.1	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°	367.3	367.3	367.3	367.3	367.3	367.3	367.3	367.3	367.3	367.3	367.3
2.5°	364.7	364.5	365.5	366.3	366.3	368.1	367.6	367.1	366.5	365.8	367.6
5°	364.2	363.9	364.7	365.2	364.7	366.3	365.2	364.2	363.7	362.7	364.7
7.5°	361.9	362.1	362.7	363.2	362.4	363.7	362.4	360.8	359.5	358.5	360.3
10°	358.2	358.5	359.0	360.1	360.3	362.1	360.3	357.5	355.7	354.1	355.9
12.5°	356.4	356.7	357.5	358.8	359.0	361.4	359.0	354.9	352.3	350.5	352.3
15°	356.9	357.5	358.5	360.1	360.6	362.9	359.8	354.4	350.7	348.4	349.9
17.5°	358.8	359.3	360.8	363.4	365.2	367.6	363.7	356.7	351.8	348.4	349.9
20°	361.1	361.9	364.5	368.6	372.5	376.6	371.7	362.1	355.7	351.5	352.8
22.5°	367.6	368.4	372.0	377.4	383.9	389.1	383.1	370.9	362.1	356.7	358.0
25°	380.8	381.6	386.2	393.2	401.5	408.3	400.8	385.5	374.1	367.8	368.4
27.5°	401.5	402.3	407.8	417.6	428.8	438.3	427.5	409.6	396.6	389.3	389.3
30°	427.7	428.8	436.0	449.2	466.6	479.3	464.5	442.7	426.2	416.3	416.6
32.5°	461.4	460.4	470.7	488.9	513.5	530.4	508.6	482.2	461.7	447.9	449.2
35°	504.7	504.4	516.1	540.7	572.9	593.1	567.2	533.0	508.3	494.3	494.6
37.5°	560.4	560.2	573.7	600.4	639.0	655.8	626.8	592.1	565.6	552.1	553.7
40°	625.8	624.2	636.1	661.8	700.4	711.3	679.7	651.7	626.3	617.7	621.9
42.5°	688.0	684.6	691.6	714.9	744.7	746.3	722.4	703.3	685.9	679.2	681.8
45°	738.0	735.4	741.9	755.4	772.5	764.7	753.3	747.3	733.3	726.1	728.4
47.5°	775.3	775.3	783.1	791.4	794.0	779.7	781.6	781.6	767.6	756.1	753.3
50°	807.5	809.8	821.5	830.0	821.5	803.3	813.7	811.6	783.1	760.3	754.3
52.5°	858.8	861.1	879.0	890.7	881.1	863.2	864.5	838.6	796.6	769.6	760.3
55°	913.2	918.9	944.9	976.0	976.2	957.8	923.6	877.7	826.7	797.4	787.8
57.5°	841.9	849.7	888.4	963.3	1017.4	1004.7	923.1	842.5	773.5	733.6	728.2
60°	579.4	592.8	631.5	733.9	838.3	843.2	746.8	656.3	577.3	528.0	529.1
62.5°	244.7	258.4	280.2	364.5	460.4	466.3	419.7	354.9	290.3	254.8	260.3
65°	57.5	61.4	67.9	100.8	146.2	152.9	141.0	109.9	81.1	68.7	70.0
67.5°	25.1	25.7	24.4	25.9	32.1	32.9	31.9	28.0	26.4	27.0	27.0
70°	17.6	17.9	16.8	16.1	15.3	14.3	14.8	16.3	17.6	18.7	18.4
72.5°	10.9	11.1	11.4	11.4	10.6	9.6	10.1	11.1	11.4	11.7	11.4
75°	5.4	5.7	6.2	6.5	6.2	6.0	6.0	6.2	6.2	6.0	6.0
77.5°	1.0	1.3	1.8	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.1
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)