

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: P629332

Luminaire Tested: GWS-SA1B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3026.9 lumens
Efficiency: N/A
Efficacy: 121.1 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

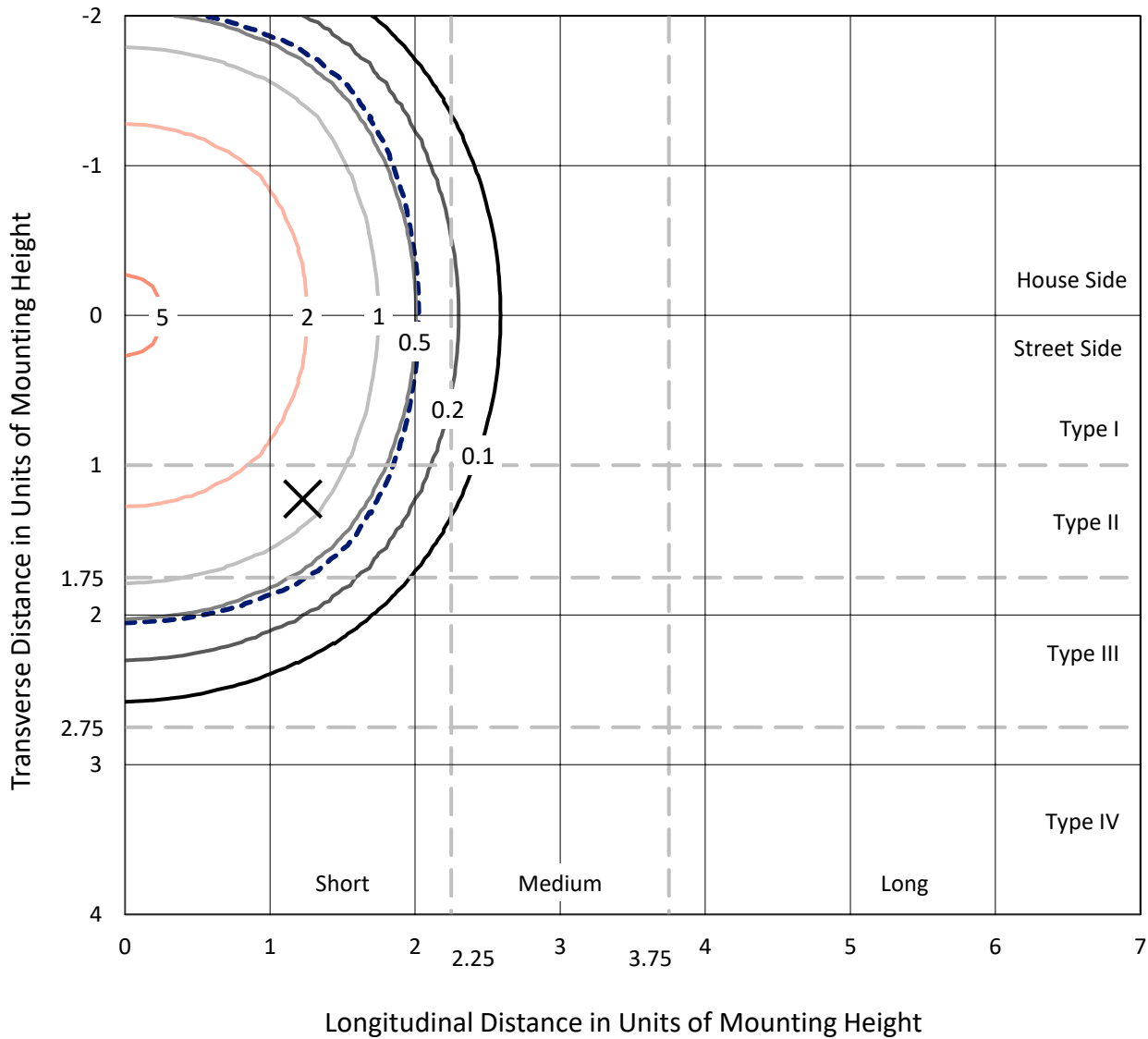
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

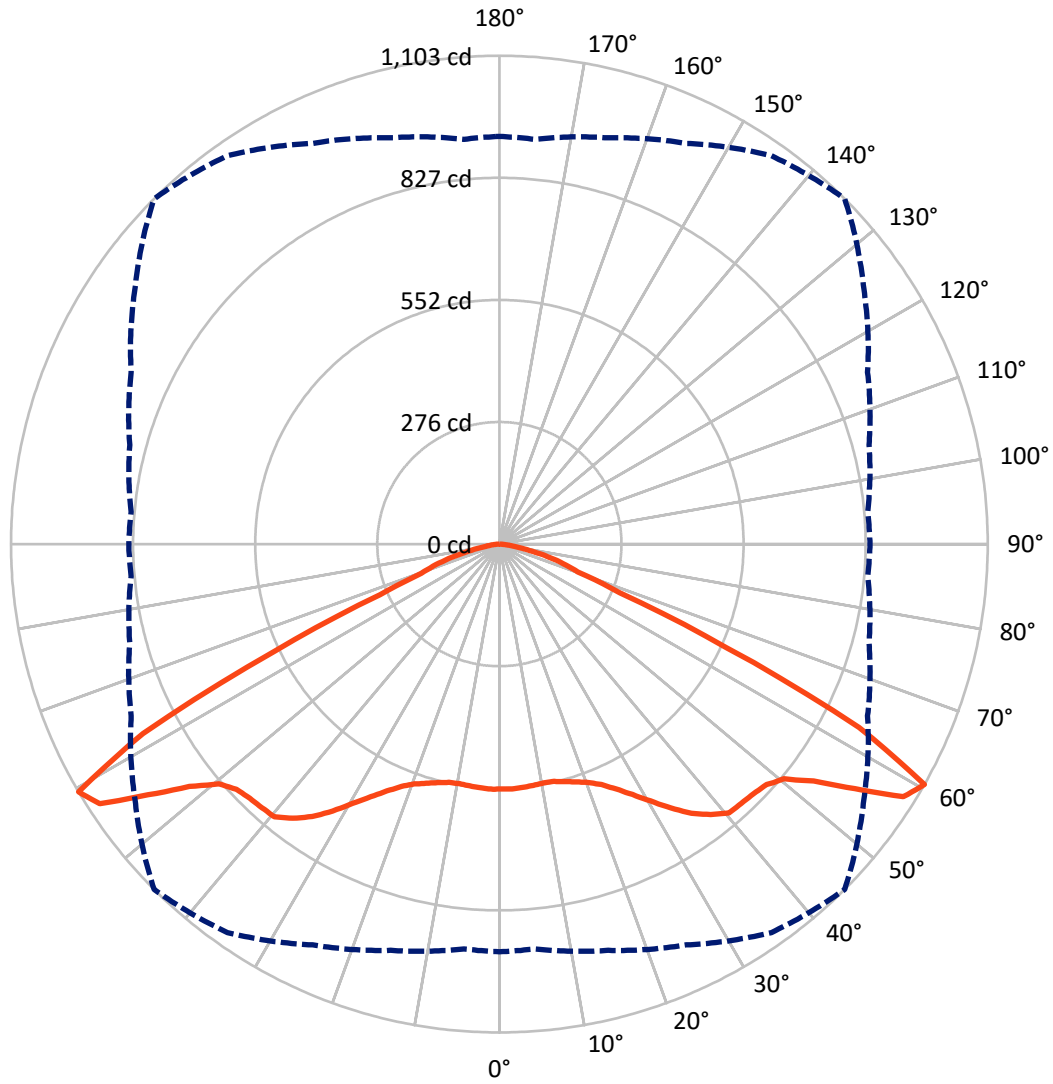
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.4	0.0	1513.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1513.4	0.0	1513.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3026.9	0.0	3026.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.7
10°-20°	157.8	5.2
20°-30°	279.2	9.2
30°-40°	449.4	14.8
40°-50°	617.8	20.4
50°-60°	823.2	27.2
60°-70°	513.1	17.0
70°-80°	118.0	3.9
80°-90°	16.0	0.5
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°	3026.9	100.0
0°-180°	3026.9	100.0

Coefficient of Utilization



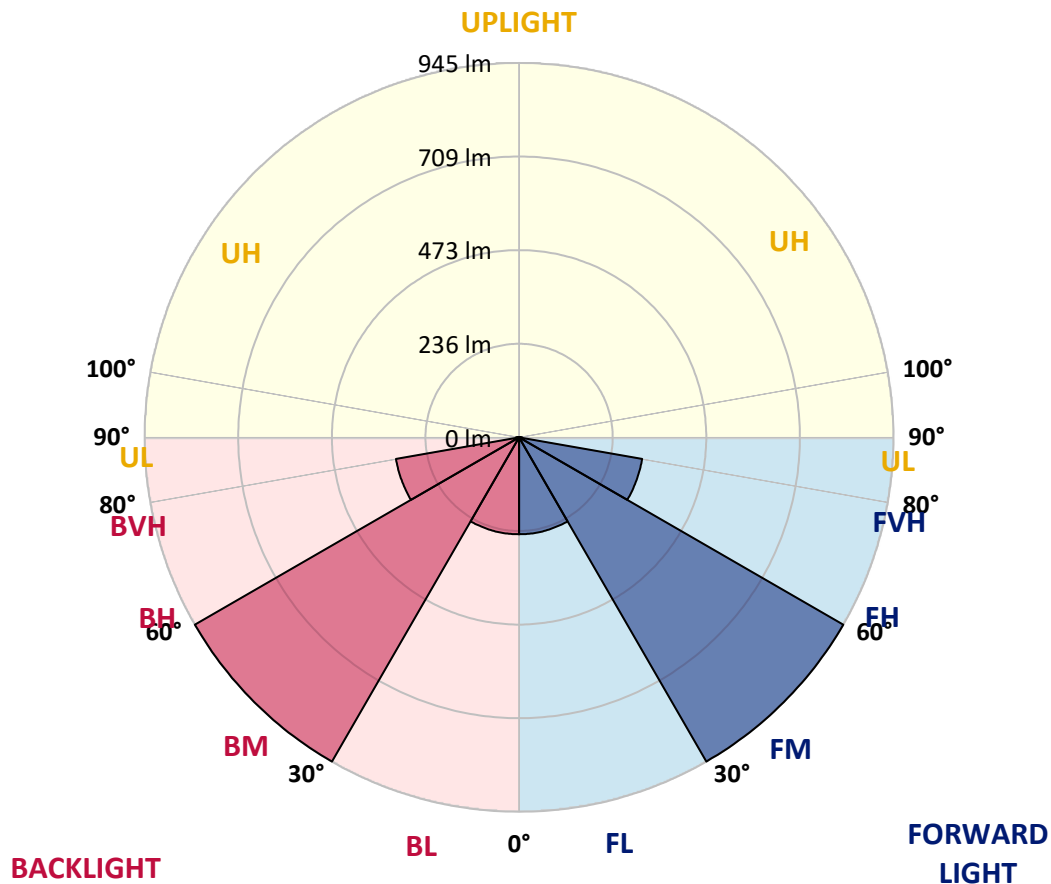
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.7	8.1			
FM (30°-60°)	945.2	31.2			
FH (60°-80°)	315.5	10.4			G0/660
FVH (80°-90°)	8.0	0.3			G0/10
BL (0°-30°)	244.7	8.1	B1/500		
BM (30°-60°)	945.2	31.2	B1/1000		
BH (60°-80°)	315.5	10.4	B1/500		G0/660
BVH (80°-90°)	8.0	0.3			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°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2
2.5°	549.3	549.8	550.8	551.6	552.6	553.7	554.2	553.2	552.6	550.6	552.9
5°	549.8	550.3	551.1	551.1	551.4	552.1	552.1	550.8	549.6	547.3	549.8
7.5°	549.1	549.6	549.8	549.6	549.8	550.1	549.6	548.0	546.7	544.7	546.7
10°	547.8	548.3	548.8	548.3	547.8	548.5	548.5	547.5	546.7	544.7	547.0
12.5°	550.6	551.4	551.6	550.3	549.8	550.1	550.1	549.1	549.1	547.3	549.8
15°	557.3	557.8	557.0	555.5	555.7	556.5	554.7	552.1	551.6	550.8	552.9
17.5°	562.4	562.9	562.2	561.1	562.9	564.7	561.4	556.5	555.0	554.4	556.8
20°	568.1	568.8	567.8	569.1	572.7	574.7	570.6	564.0	560.9	560.1	562.9
22.5°	577.3	578.3	578.3	581.2	586.6	589.9	584.8	575.8	571.1	569.9	572.7
25°	592.0	592.7	593.5	599.2	607.9	612.5	604.3	592.0	585.5	583.5	585.0
27.5°	612.3	613.5	614.8	623.0	633.8	640.5	628.7	613.3	605.3	601.2	604.3
30°	636.4	638.2	641.3	650.5	665.7	673.1	658.0	639.2	630.2	625.9	630.0
32.5°	669.3	669.5	671.9	682.1	702.2	710.7	691.6	670.8	661.6	656.4	658.8
35°	708.3	708.6	705.0	715.5	737.1	746.6	724.3	703.2	695.5	694.0	699.9
37.5°	748.4	746.1	742.5	747.1	769.0	775.1	751.5	733.5	730.2	733.0	741.7
40°	776.9	773.1	765.9	769.2	791.3	798.5	773.3	756.4	755.4	762.3	772.8
42.5°	795.4	791.3	782.9	782.9	798.0	801.1	781.6	772.6	774.9	782.9	792.9
45°	804.4	802.1	797.2	794.7	803.2	804.4	789.5	785.9	790.3	794.2	801.9
47.5°	811.4	811.4	809.8	807.3	811.1	811.9	800.8	799.8	805.5	805.5	810.6
50°	823.7	825.0	827.0	826.5	830.6	833.2	825.0	823.4	825.8	818.3	820.9
52.5°	856.1	859.4	865.3	870.0	880.5	888.5	873.8	861.5	849.4	833.0	833.5
55°	914.1	915.7	927.2	940.9	958.6	974.8	944.7	906.4	880.2	861.0	861.2
57.5°	963.2	965.5	982.5	1011.0	1050.8	1076.0	1009.5	945.5	908.5	884.9	885.6
60°	920.8	917.7	949.9	998.7	1070.9	1103.0	1004.8	917.5	864.3	835.0	837.1
62.5°	712.5	706.5	742.3	793.4	880.0	912.1	821.6	737.9	687.5	664.7	661.3
65°	433.7	428.3	454.0	485.3	543.9	564.2	522.8	478.4	434.5	420.6	416.7
67.5°	236.1	235.3	242.3	257.7	283.4	292.9	284.9	263.9	252.6	242.8	242.8
70°	187.3	185.8	184.5	184.7	187.0	188.3	188.6	187.6	188.8	189.1	188.1
72.5°	155.2	154.7	152.1	152.4	151.3	150.8	152.6	153.6	155.7	156.0	156.0
75°	112.5	111.2	112.5	112.8	111.8	111.8	113.0	112.8	113.8	114.3	111.5
77.5°	64.0	64.0	65.8	67.8	69.4	69.4	70.7	70.7	71.9	71.7	71.2
80°	35.2	35.2	36.2	37.5	39.1	40.6	41.9	42.1	42.9	42.6	41.9
82.5°	20.0	20.3	20.8	21.6	23.1	24.4	25.7	25.9	26.7	26.7	25.9
85°	9.5	9.2	9.5	10.0	10.8	11.8	13.1	13.9	14.4	14.4	13.9
87.5°	1.8	2.1	1.8	2.1	2.3	3.1	3.6	4.1	4.9	5.1	4.6
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)