

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: P629436

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3166 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

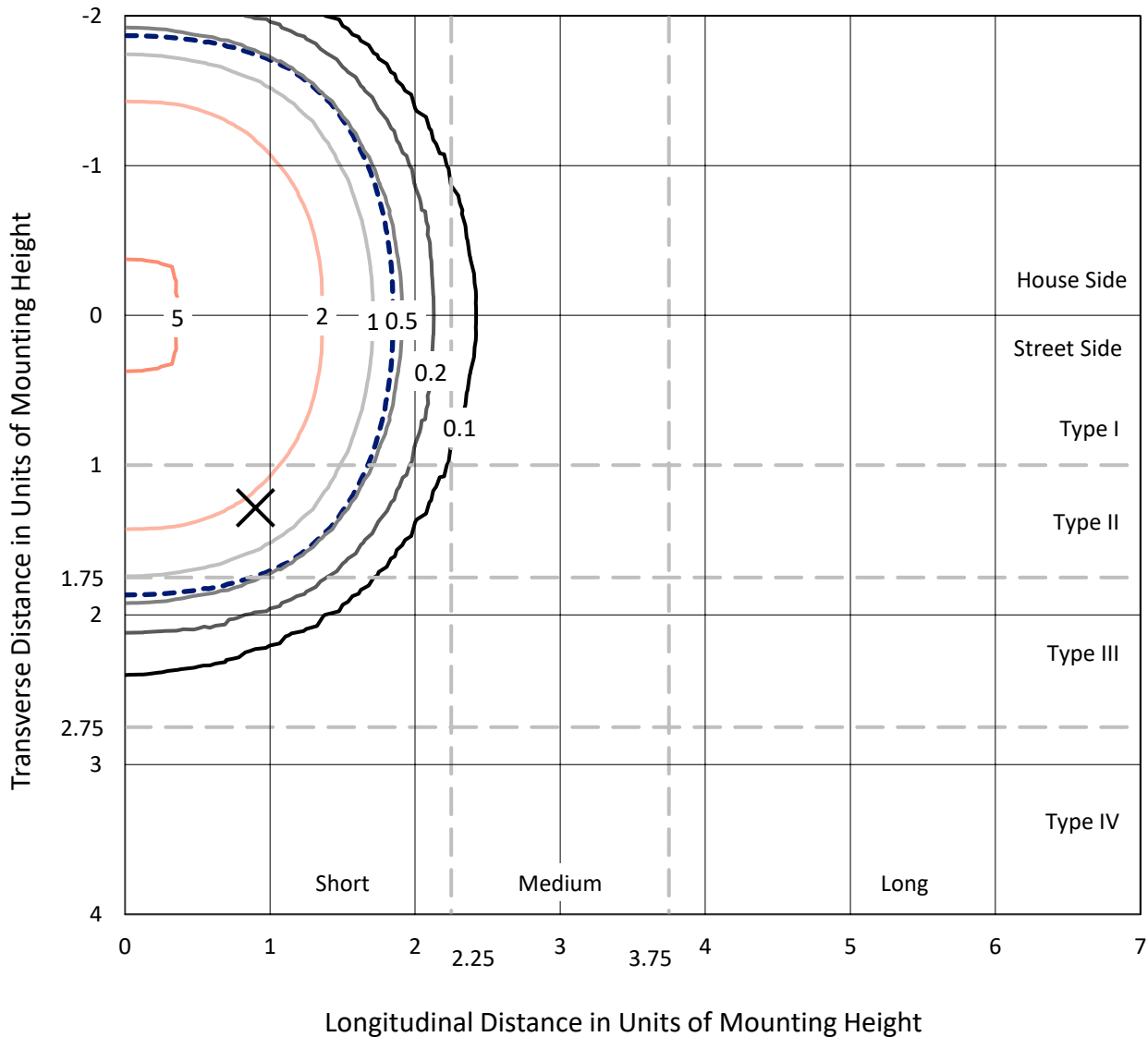
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629436
 CATALOG NUMBER: GWS-SA1B-760-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

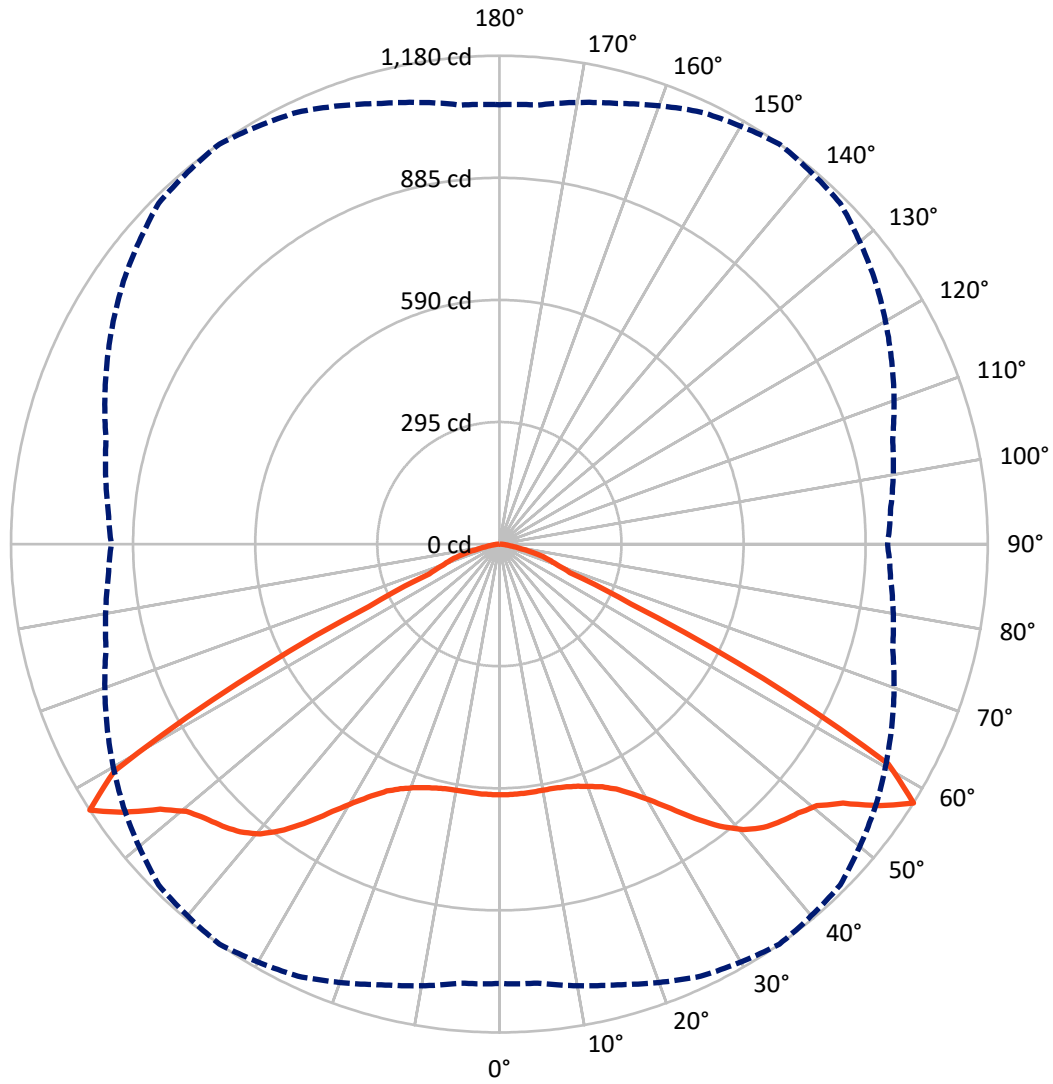
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P629436
CATALOG NUMBER: GWS-SA1B-760-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629436

CATALOG NUMBER: GWS-SA1B-760-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.0	0.0	1583.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1583.0	0.0	1583.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3166.0	0.0	3166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.8
10°-20°	171.9	5.4
20°-30°	300.0	9.5
30°-40°	491.9	15.5
40°-50°	724.5	22.9
50°-60°	924.6	29.2
60°-70°	389.7	12.3
70°-80°	93.1	2.9
80°-90°	12.7	0.4
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°	3166.0	100.0
0°-180°	3166.0	100.0

Coefficient of Utilization



REPORT NUMBER: P629436

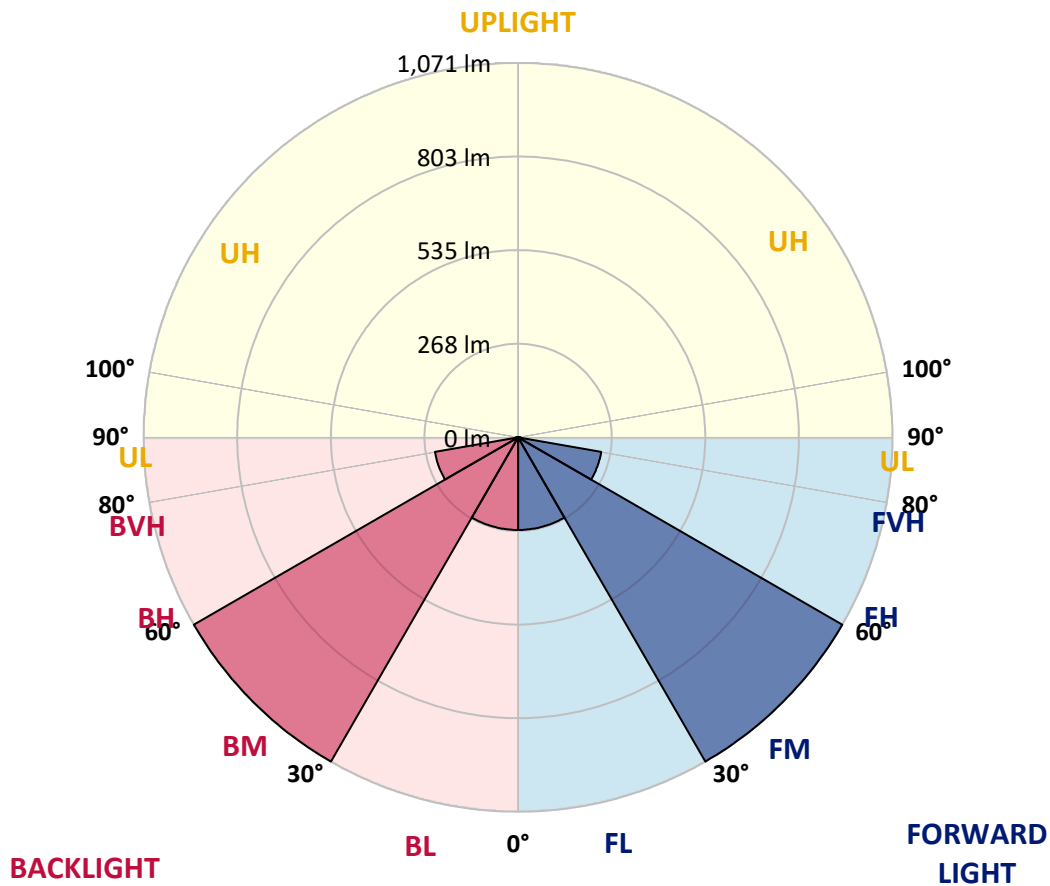
CATALOG NUMBER: GWS-SA1B-760-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.8	8.4			
FM (30°-60°)	1070.5	33.8			
FH (60°-80°)	241.4	7.6			G0/660
FVH (80°-90°)	6.3	0.2			G0/10
BL (0°-30°)	264.8	8.4	B1/500		
BM (30°-60°)	1070.5	33.8	B2/2500		
BH (60°-80°)	241.4	7.6	B1/500		G0/660
BVH (80°-90°)	6.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P629436

CATALOG NUMBER: GWS-SA1B-760-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8
2.5°	602.1	602.1	603.4	604.7	605.3	607.6	607.3	606.6	606.0	604.5	606.6
5°	603.4	603.4	604.5	605.3	605.0	606.8	606.0	604.7	604.0	602.4	604.7
7.5°	603.2	603.2	604.0	604.7	604.2	605.8	604.5	602.7	601.4	599.8	601.9
10°	599.8	600.3	601.1	602.9	603.7	606.0	604.2	601.4	599.3	597.5	599.6
12.5°	599.3	599.8	600.9	603.2	604.5	607.9	605.5	600.9	597.7	595.4	597.5
15°	601.6	602.1	603.7	606.6	608.6	612.3	608.9	602.4	598.0	594.9	596.7
17.5°	604.5	605.3	607.6	611.7	615.1	619.0	614.9	607.1	600.9	596.7	598.3
20°	607.6	608.6	612.3	618.5	624.7	629.6	624.4	614.1	606.6	601.1	602.7
22.5°	613.0	614.3	619.0	627.8	637.1	644.4	637.9	623.9	614.1	607.1	608.4
25°	624.2	625.7	631.7	642.3	655.5	664.4	655.3	639.5	625.7	617.2	618.5
27.5°	643.9	644.7	652.4	666.4	682.8	692.9	682.0	663.3	648.0	638.2	639.2
30°	669.8	672.1	679.9	698.3	717.8	731.2	717.0	694.9	677.3	665.4	666.4
32.5°	701.4	703.0	714.6	733.8	761.8	777.4	757.9	731.8	710.5	696.0	697.0
35°	742.9	744.2	755.3	779.7	813.7	828.2	805.9	775.8	751.2	737.5	741.3
37.5°	792.4	794.7	802.8	826.9	864.7	879.0	853.3	825.3	799.7	787.0	789.8
40°	845.5	845.3	851.8	873.0	907.5	916.3	893.2	871.0	848.9	840.6	845.3
42.5°	891.2	889.9	894.5	912.2	936.0	936.8	921.5	909.1	893.5	887.8	892.2
45°	923.1	923.6	930.6	942.8	954.9	948.5	943.8	941.7	929.5	921.8	922.5
47.5°	948.2	950.3	961.4	969.7	971.3	960.4	966.9	970.0	959.9	947.9	944.6
50°	970.5	973.9	988.4	997.2	993.8	980.1	992.8	997.4	975.2	952.3	945.6
52.5°	1010.9	1014.8	1032.4	1043.8	1040.0	1026.2	1038.1	1021.6	984.0	956.0	947.4
55°	1075.5	1077.3	1098.8	1117.5	1115.6	1098.8	1089.2	1052.4	1006.8	977.7	969.7
57.5°	1061.7	1064.8	1102.2	1151.9	1179.9	1164.6	1108.4	1045.7	983.7	948.7	937.8
60°	835.4	843.0	889.4	977.0	1079.6	1079.4	974.9	877.4	802.8	756.4	751.7
62.5°	487.8	493.0	535.3	623.9	715.9	721.6	648.3	581.4	516.1	484.7	469.7
65°	231.0	230.7	247.5	287.5	349.7	354.6	332.6	296.0	257.4	246.8	243.9
67.5°	170.6	170.6	169.3	172.1	184.0	186.6	184.0	178.1	174.4	176.8	175.2
70°	148.0	148.3	146.7	145.9	145.9	145.2	146.2	148.5	150.1	153.2	151.6
72.5°	120.0	120.3	120.3	120.5	120.8	119.8	121.3	122.6	122.9	123.9	122.9
75°	85.3	85.8	87.4	88.7	89.7	89.7	90.2	90.5	89.4	90.7	88.7
77.5°	46.9	47.4	50.3	52.6	55.0	55.2	56.0	56.5	56.0	57.0	55.5
80°	25.9	26.4	27.7	28.8	30.6	32.1	33.2	33.7	33.7	34.5	33.7
82.5°	14.8	15.3	16.1	16.6	18.1	19.4	20.5	21.3	21.3	21.5	21.0
85°	7.0	7.0	7.5	8.0	8.8	9.3	10.6	11.4	11.4	11.9	11.4
87.5°	1.0	1.3	1.6	1.6	2.1	2.6	3.1	3.4	3.9	4.1	4.1
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)