

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: P629442

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629442  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

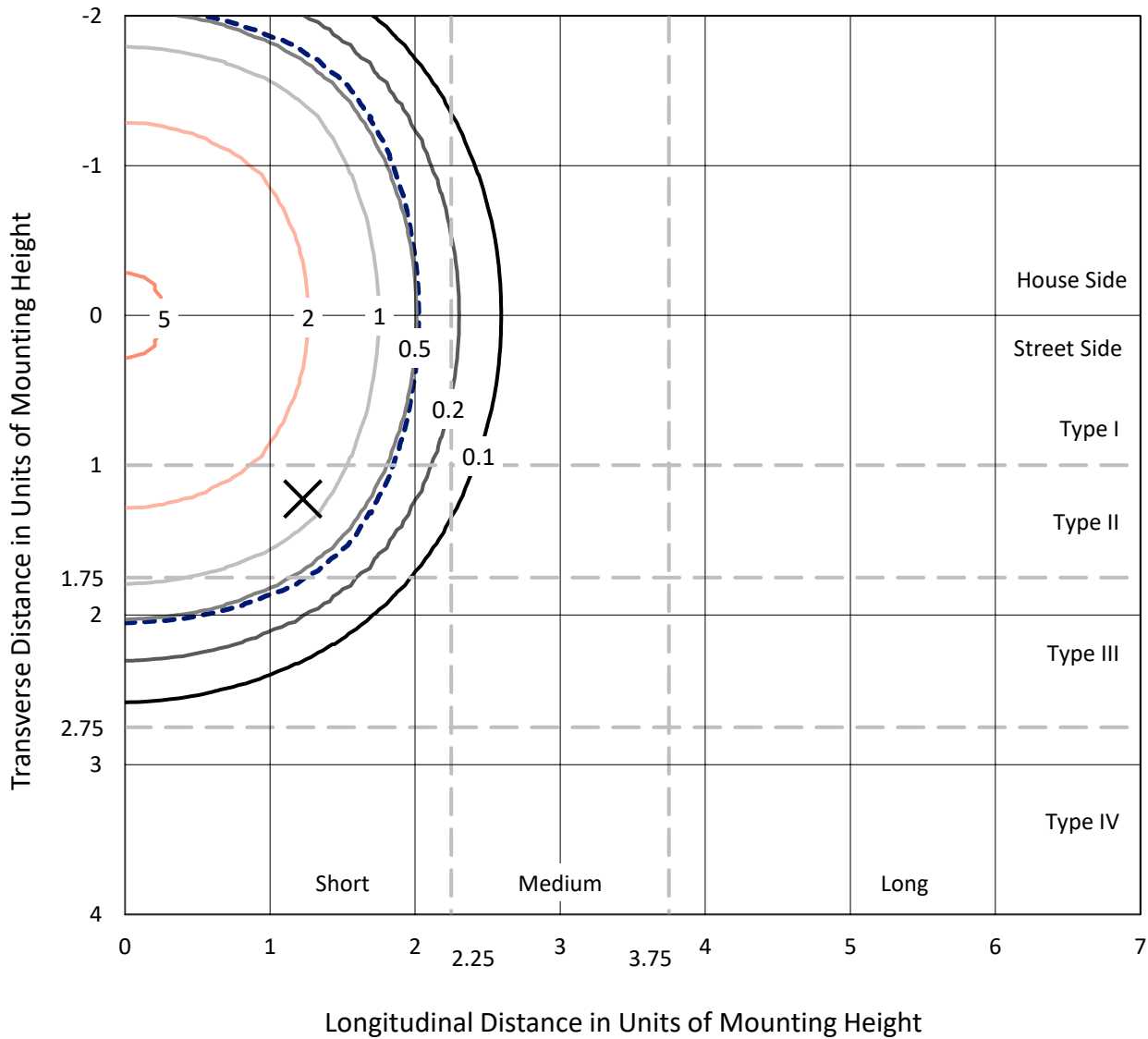
Lumens per Lamp: N/A  
Luminaire Lumens: 3053.8 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P629442  
 CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

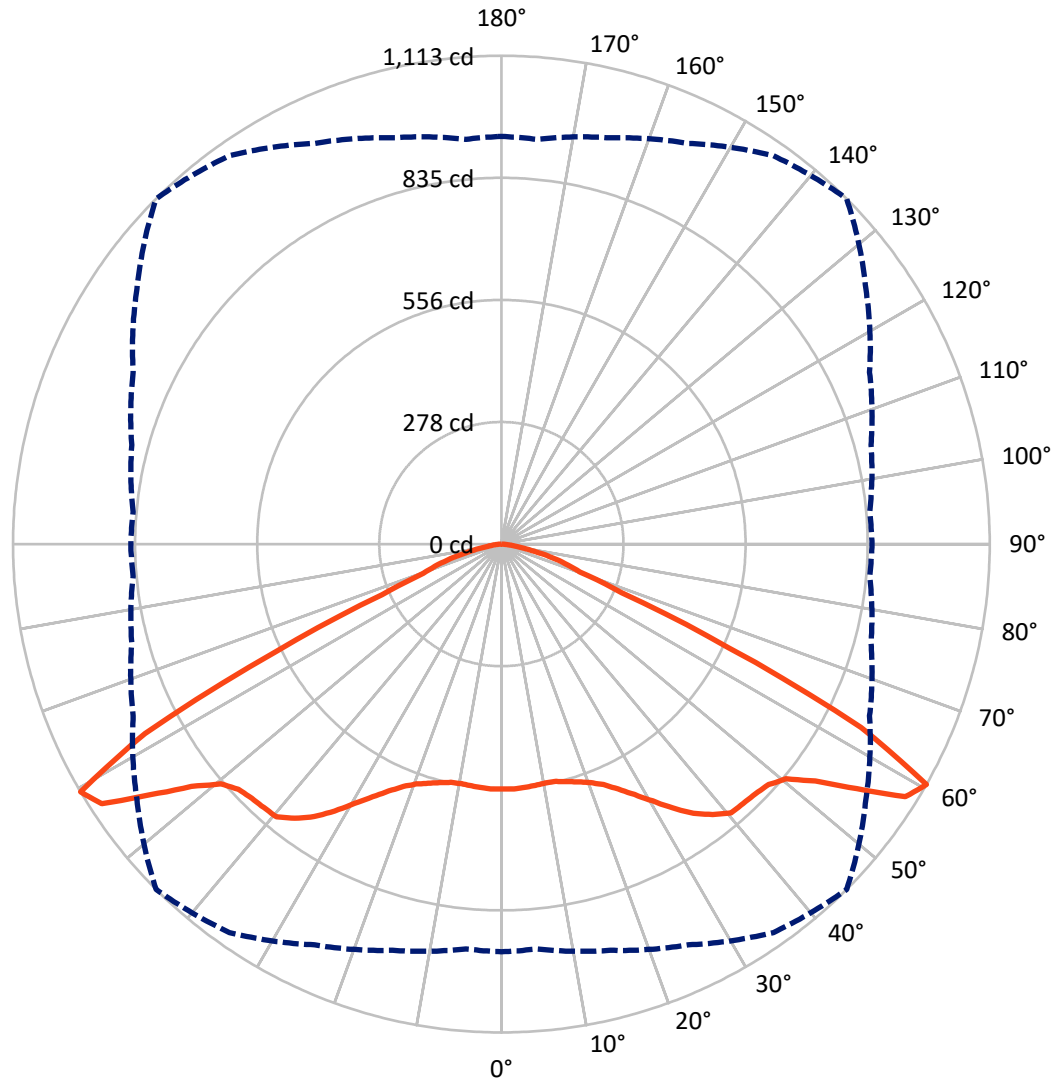
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P629442  
CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629442

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1526.9	0.0	1526.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1526.9	0.0	1526.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3053.8	0.0	3053.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	1.7
10°-20°	159.2	5.2
20°-30°	281.6	9.2
30°-40°	453.4	14.8
40°-50°	623.2	20.4
50°-60°	830.5	27.2
60°-70°	517.6	17.0
70°-80°	119.0	3.9
80°-90°	16.1	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°	3053.8	100.0
0°-180°	3053.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629442

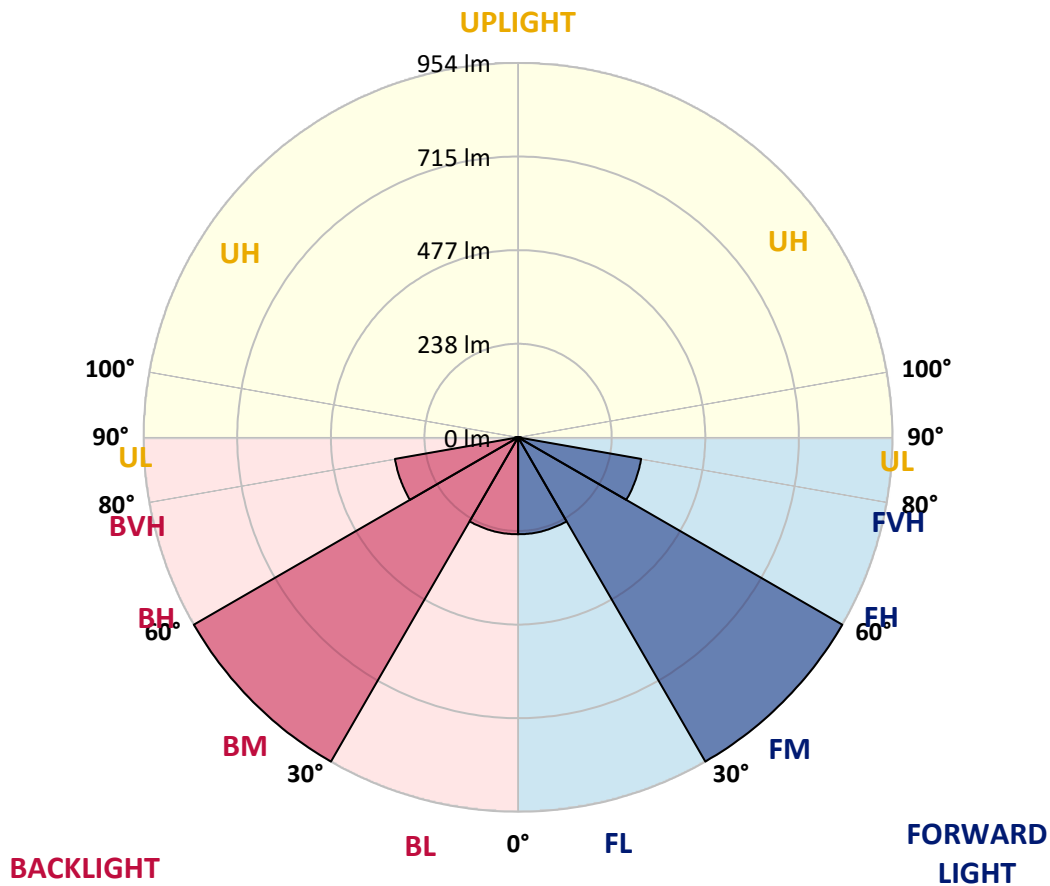
CATALOG NUMBER: GWS-SA1B-760-U-5WQ-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.9	8.1			
FM (30°-60°)	953.6	31.2			
FH (60°-80°)	318.3	10.4			G0/660
FVH (80°-90°)	8.1	0.3			G0/10
BL (0°-30°)	246.9	8.1	B1/500		
BM (30°-60°)	953.6	31.2	B1/1000		
BH (60°-80°)	318.3	10.4	B1/500		G0/660
BVH (80°-90°)	8.1	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





REPORT NUMBER: P629442

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1
2.5°	554.2	554.7	555.7	556.5	557.6	558.6	559.1	558.1	557.6	555.5	557.8
5°	554.7	555.2	556.0	556.0	556.3	557.0	557.0	555.7	554.4	552.1	554.7
7.5°	553.9	554.4	554.7	554.4	554.7	555.0	554.4	552.9	551.6	549.5	551.6
10°	552.6	553.2	553.7	553.2	552.6	553.4	553.4	552.4	551.6	549.5	551.9
12.5°	555.5	556.3	556.5	555.2	554.7	555.0	555.0	553.9	553.9	552.1	554.7
15°	562.2	562.7	562.0	560.4	560.7	561.4	559.6	557.0	556.5	555.7	557.8
17.5°	567.4	567.9	567.1	566.1	567.9	569.7	566.4	561.4	559.9	559.4	561.7
20°	573.1	573.9	572.9	574.1	577.8	579.9	575.7	569.0	565.9	565.1	567.9
22.5°	582.4	583.5	583.5	586.3	591.8	595.1	590.0	580.9	576.2	574.9	577.8
25°	597.2	598.0	598.8	604.5	613.3	618.0	609.7	597.2	590.7	588.7	590.2
27.5°	617.7	619.0	620.3	628.6	639.5	646.2	634.3	618.7	610.7	606.5	609.7
30°	642.1	643.9	647.0	656.3	671.6	679.1	663.8	644.9	635.8	631.4	635.6
32.5°	675.2	675.5	677.8	688.2	708.4	717.0	697.8	676.8	667.5	662.3	664.6
35°	714.6	714.9	711.3	721.9	743.7	753.3	730.7	709.5	701.7	700.1	706.1
37.5°	755.1	752.7	749.1	753.8	775.8	782.0	758.2	740.0	736.7	739.5	748.3
40°	783.8	780.0	772.7	776.1	798.4	805.6	780.2	763.1	762.1	769.1	779.7
42.5°	802.5	798.4	789.8	789.8	805.1	808.2	788.5	779.4	781.8	789.8	799.9
45°	811.6	809.3	804.3	801.7	810.3	811.6	796.6	792.9	797.3	801.2	809.0
47.5°	818.6	818.6	817.0	814.4	818.3	819.1	808.0	806.9	812.6	812.6	817.8
50°	831.0	832.3	834.4	833.9	838.0	840.6	832.3	830.8	833.1	825.6	828.2
52.5°	863.7	867.1	873.0	877.7	888.3	896.3	881.6	869.1	856.9	840.4	840.9
55°	922.3	923.8	935.5	949.2	967.1	983.4	953.1	914.5	888.1	868.6	868.9
57.5°	971.8	974.1	991.2	1020.0	1060.2	1085.6	1018.4	953.9	916.6	892.7	893.5
60°	929.0	925.9	958.3	1007.5	1080.4	1112.8	1013.8	925.6	872.0	842.4	844.5
62.5°	718.8	712.8	748.9	800.4	887.8	920.2	829.0	744.4	693.6	670.6	667.2
65°	437.5	432.1	458.0	489.6	548.7	569.2	527.5	482.6	438.3	424.3	420.4
67.5°	238.2	237.4	244.4	260.0	285.9	295.5	287.5	266.2	254.8	245.0	245.0
70°	189.0	187.4	186.1	186.4	188.7	190.0	190.3	189.2	190.5	190.8	189.7
72.5°	156.6	156.0	153.5	153.7	152.7	152.2	154.0	155.0	157.1	157.3	157.3
75°	113.5	112.2	113.5	113.8	112.8	112.8	114.1	113.8	114.8	115.3	112.5
77.5°	64.5	64.5	66.4	68.4	70.0	70.0	71.3	71.3	72.6	72.3	71.8
80°	35.5	35.5	36.5	37.8	39.4	41.0	42.3	42.5	43.3	43.0	42.3
82.5°	20.2	20.5	21.0	21.8	23.3	24.6	25.9	26.2	27.0	27.0	26.2
85°	9.6	9.3	9.6	10.1	10.9	11.9	13.2	14.0	14.5	14.5	14.0
87.5°	1.8	2.1	1.8	2.1	2.3	3.1	3.6	4.1	4.9	5.2	4.7
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)