

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: P629439

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629439  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

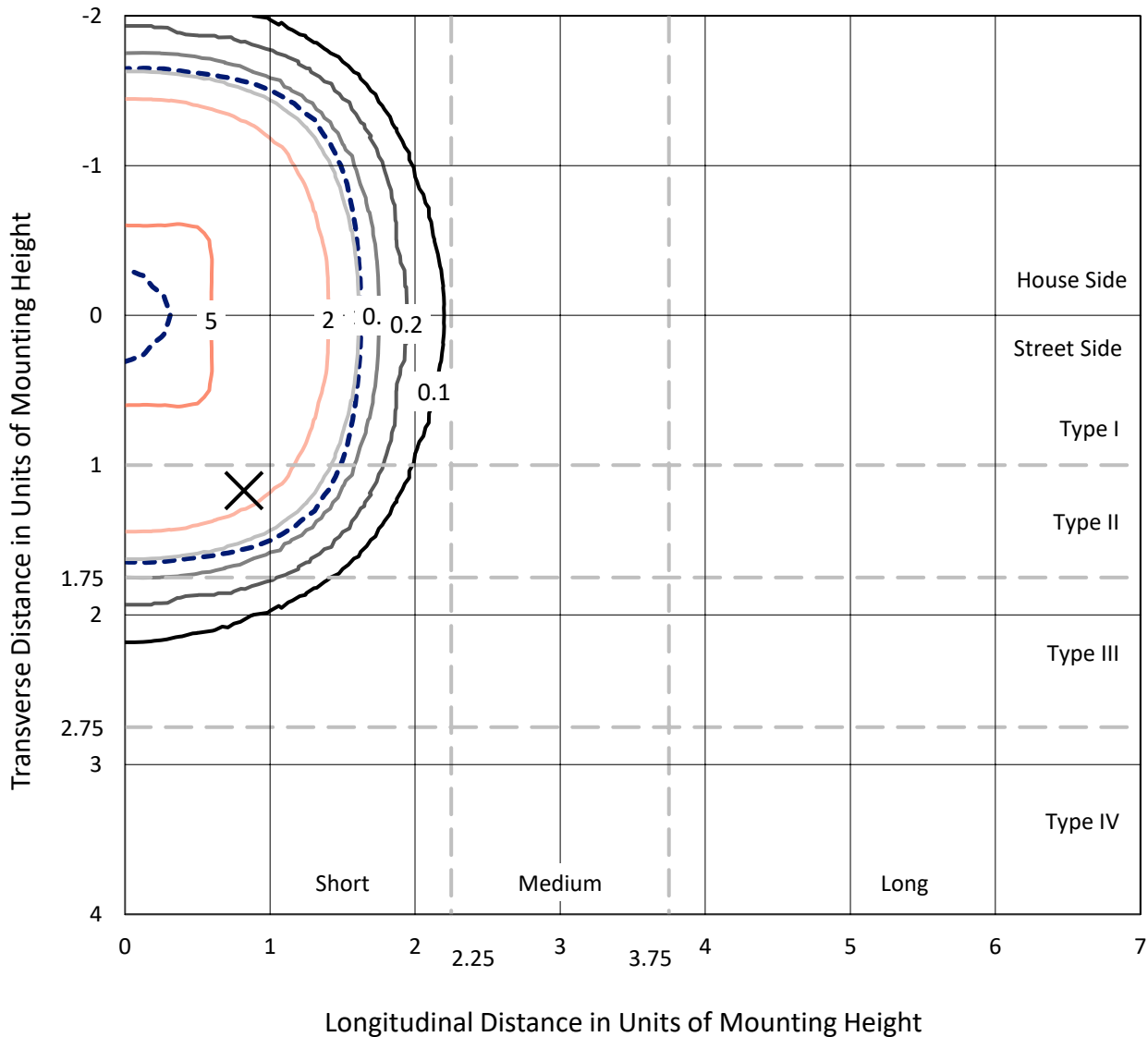
Lumens per Lamp: N/A  
Luminaire Lumens: 3278 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

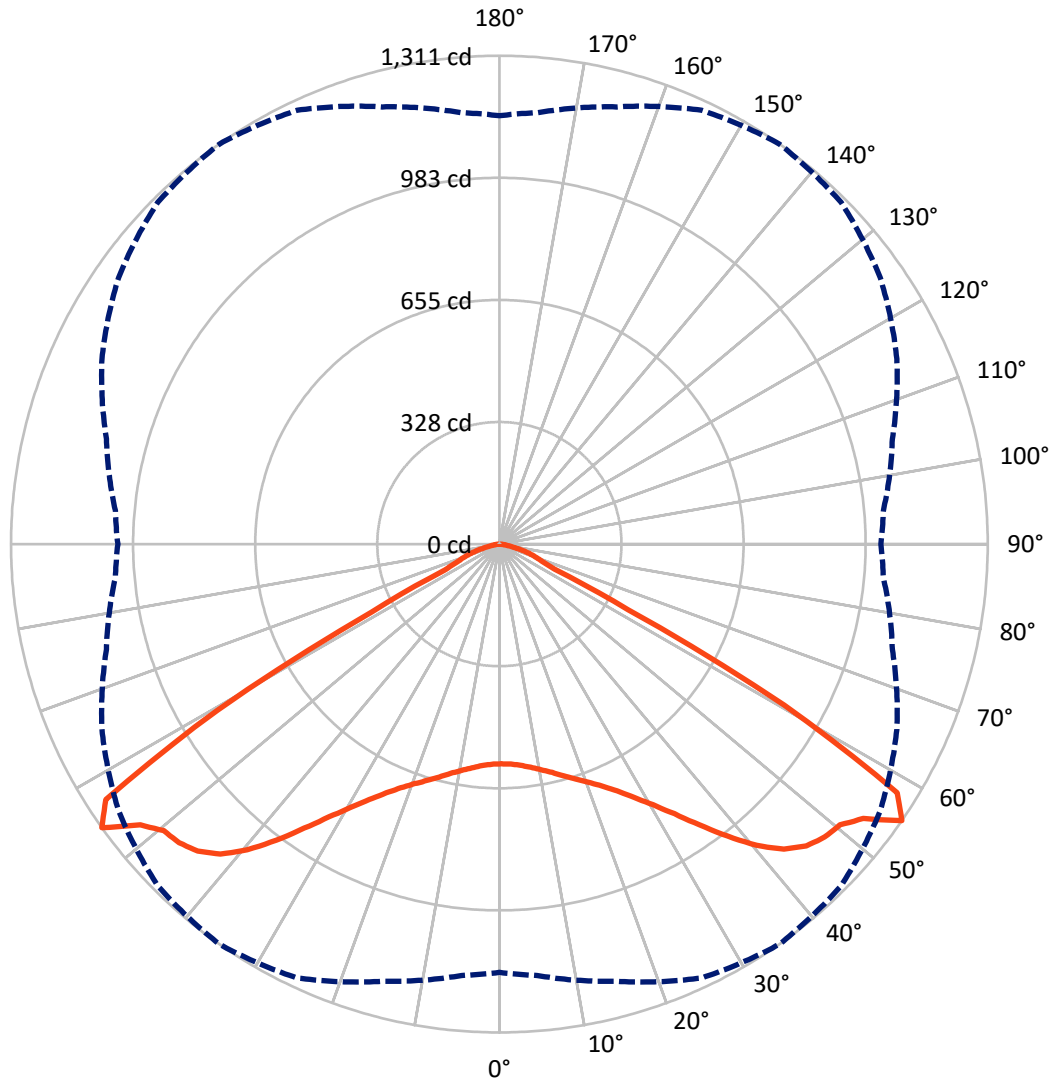
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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
<b>House Side</b>	Lumens	1639.0	0.0	1639.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1639.0	0.0	1639.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3278.0	0.0	3278.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	1.8
10°-20°	183.1	5.6
20°-30°	338.9	10.3
30°-40°	567.0	17.3
40°-50°	864.0	26.4
50°-60°	967.8	29.5
60°-70°	229.0	7.0
70°-80°	61.7	1.9
80°-90°	8.9	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°	3278.0	100.0
0°-180°	3278.0	100.0

**Coefficient of Utilization**



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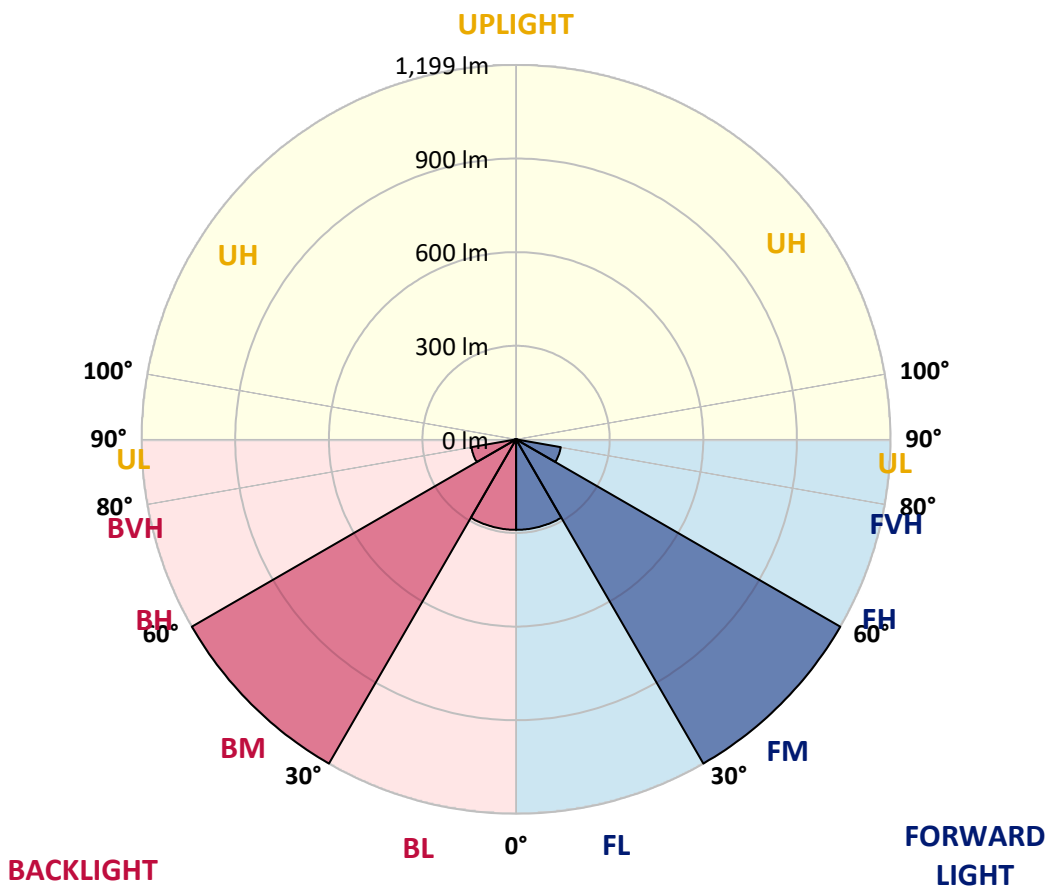
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.8	8.8			
FM (30°-60°)	1199.4	36.6			
FH (60°-80°)	145.4	4.4			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	289.8	8.8	B1/500		
BM (30°-60°)	1199.4	36.6	B2/2500		
BH (60°-80°)	145.4	4.4	B1/500		G0/660
BVH (80°-90°)	4.4	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	589.7	589.7	589.7	589.7	589.7	589.7	589.7	589.7	589.7	589.7	589.7
2.5°	588.4	588.4	589.5	590.8	591.0	593.6	593.1	592.1	591.5	590.5	592.8
5°	594.9	595.2	595.9	596.7	596.2	598.3	597.5	596.2	595.4	594.1	596.5
7.5°	603.5	603.5	604.2	605.3	604.8	607.9	606.3	604.5	603.2	601.6	603.7
10°	611.2	611.8	612.5	614.6	615.6	619.0	618.0	615.4	613.3	611.5	613.8
12.5°	622.9	623.4	624.2	627.0	628.9	632.2	630.7	627.0	623.9	621.3	623.9
15°	637.9	637.4	639.5	643.1	645.5	648.6	646.7	640.5	636.4	633.0	635.6
17.5°	653.2	653.0	655.0	659.7	663.1	667.2	664.1	656.9	652.5	648.3	650.9
20°	669.8	670.6	672.7	677.1	682.0	687.4	684.9	677.1	672.2	667.5	669.6
22.5°	690.3	690.6	692.9	698.6	705.1	710.3	708.7	699.1	692.9	688.0	690.6
25°	714.9	714.7	717.8	724.5	733.6	738.8	735.4	724.8	718.0	712.3	714.4
27.5°	743.2	742.9	747.6	756.4	769.4	776.6	769.6	756.4	747.1	739.0	740.8
30°	778.7	777.9	783.1	795.0	811.9	824.1	813.7	795.3	783.1	774.5	776.4
32.5°	818.1	819.1	825.6	841.7	862.9	878.7	863.2	842.7	826.4	813.9	816.0
35°	861.4	861.4	874.6	894.6	924.9	945.9	921.8	892.2	870.5	853.3	853.9
37.5°	909.6	910.1	927.5	955.0	994.6	1019.2	986.6	950.0	923.6	905.2	904.2
40°	968.4	970.0	987.9	1018.5	1063.1	1085.6	1050.6	1014.8	987.9	966.1	964.0
42.5°	1034.8	1035.3	1054.2	1081.7	1119.3	1132.8	1105.3	1076.0	1054.0	1034.3	1032.2
45°	1098.0	1096.8	1113.1	1133.6	1155.3	1156.6	1141.3	1129.4	1110.2	1093.4	1090.3
47.5°	1147.3	1146.3	1161.0	1172.2	1174.8	1162.1	1167.0	1168.8	1146.5	1123.7	1117.7
50°	1177.4	1179.4	1193.4	1199.7	1184.4	1163.6	1182.3	1177.6	1145.7	1115.9	1106.3
52.5°	1195.5	1198.6	1223.0	1238.8	1223.0	1203.3	1205.9	1178.4	1132.5	1093.1	1080.7
55°	1149.6	1162.1	1214.7	1284.7	1310.6	1296.9	1247.6	1176.8	1091.8	1034.5	1023.9
57.5°	852.0	871.8	949.8	1101.4	1259.0	1309.1	1165.2	986.6	857.8	784.1	777.9
60°	435.0	457.0	519.5	675.3	878.0	948.5	811.6	631.7	502.1	442.5	435.7
62.5°	177.6	181.2	201.7	261.8	388.0	447.7	393.2	276.1	207.4	191.0	191.3
65°	139.7	140.5	139.5	143.1	162.5	180.4	166.7	146.5	142.8	144.6	143.3
67.5°	121.8	122.1	121.3	121.3	122.1	121.3	122.9	123.6	124.2	126.2	124.9
70°	101.9	102.1	102.1	102.7	102.4	101.1	103.4	104.5	104.7	106.0	105.2
72.5°	78.8	79.6	80.1	80.4	80.1	79.3	80.6	82.4	82.2	83.5	82.2
75°	53.4	54.4	55.0	56.0	55.7	55.7	57.3	58.1	57.3	58.3	57.3
77.5°	30.3	31.1	32.7	33.7	34.7	35.5	36.5	37.1	36.8	37.3	36.8
80°	17.6	17.9	19.2	19.7	21.0	22.3	23.3	23.8	24.1	24.4	24.1
82.5°	10.1	10.4	10.9	11.4	12.4	13.5	14.5	15.3	15.3	15.6	15.3
85°	4.9	4.9	5.2	5.4	6.0	6.7	7.5	8.3	8.6	8.6	8.6
87.5°	0.8	0.8	1.0	1.0	1.3	1.6	2.1	2.6	2.9	2.9	2.9
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)