

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: P629108

Luminaire Tested: GWS-SA1B-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

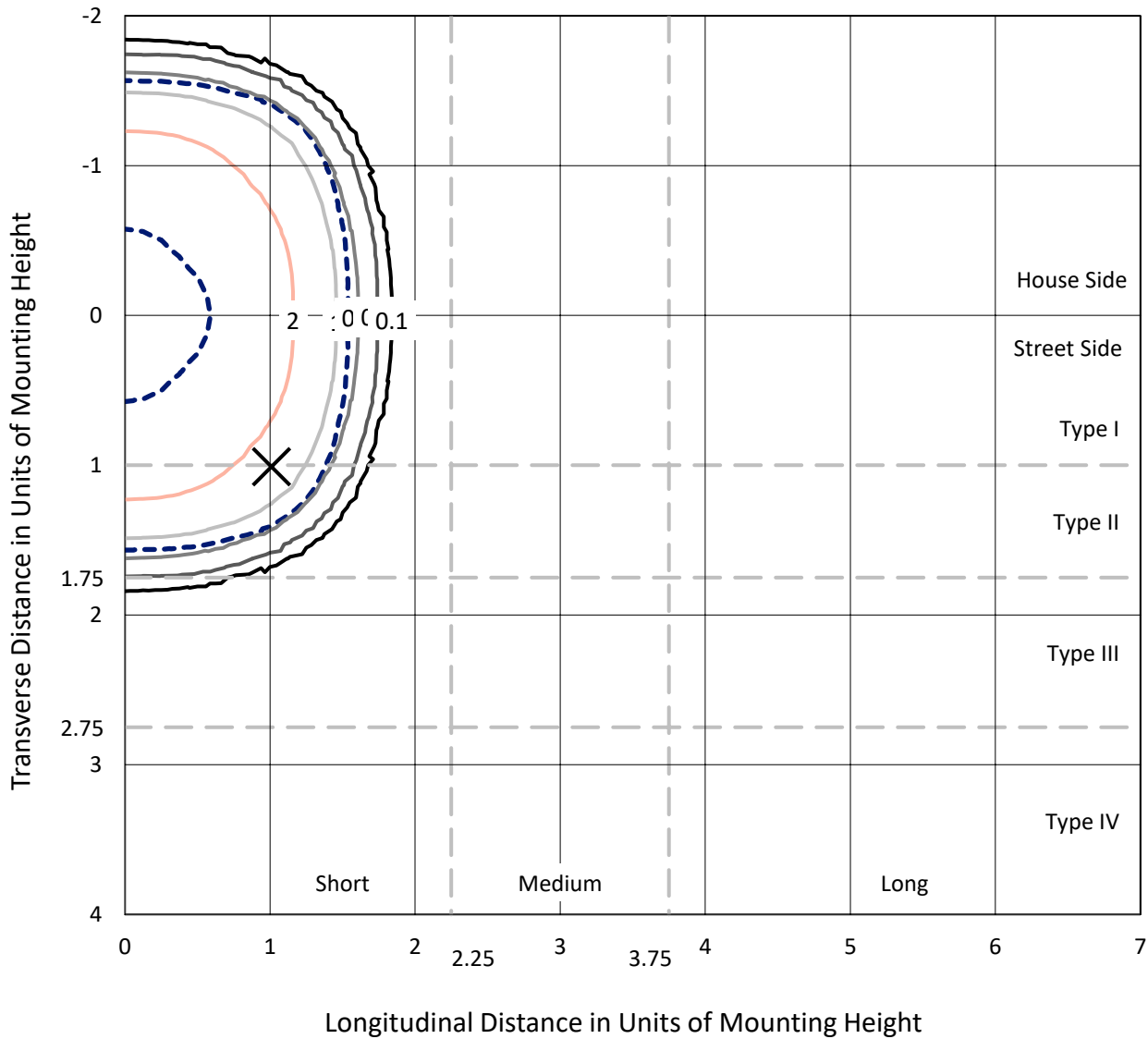
Lumens per Lamp: N/A  
Luminaire Lumens: 1857.7 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

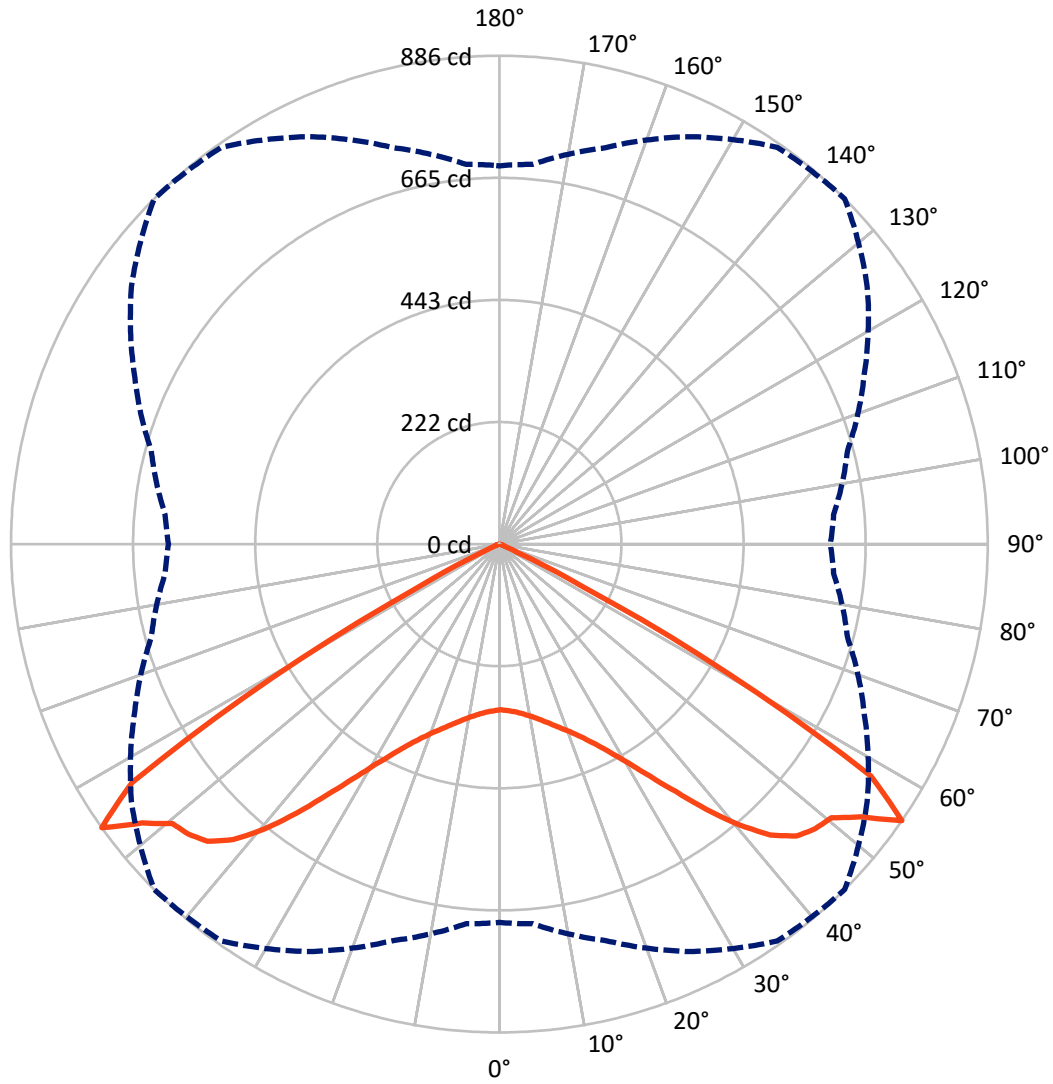
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	928.9	0.0	928.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	928.9	0.0	928.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1857.7	0.0	1857.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.4	1.6
10°-20°	95.4	5.1
20°-30°	184.7	9.9
30°-40°	331.0	17.8
40°-50°	554.9	29.9
50°-60°	594.0	32.0
60°-70°	65.3	3.5
70°-80°	2.9	0.2
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°	1857.7	100.0
0°-180°	1857.7	100.0

**Coefficient of Utilization**



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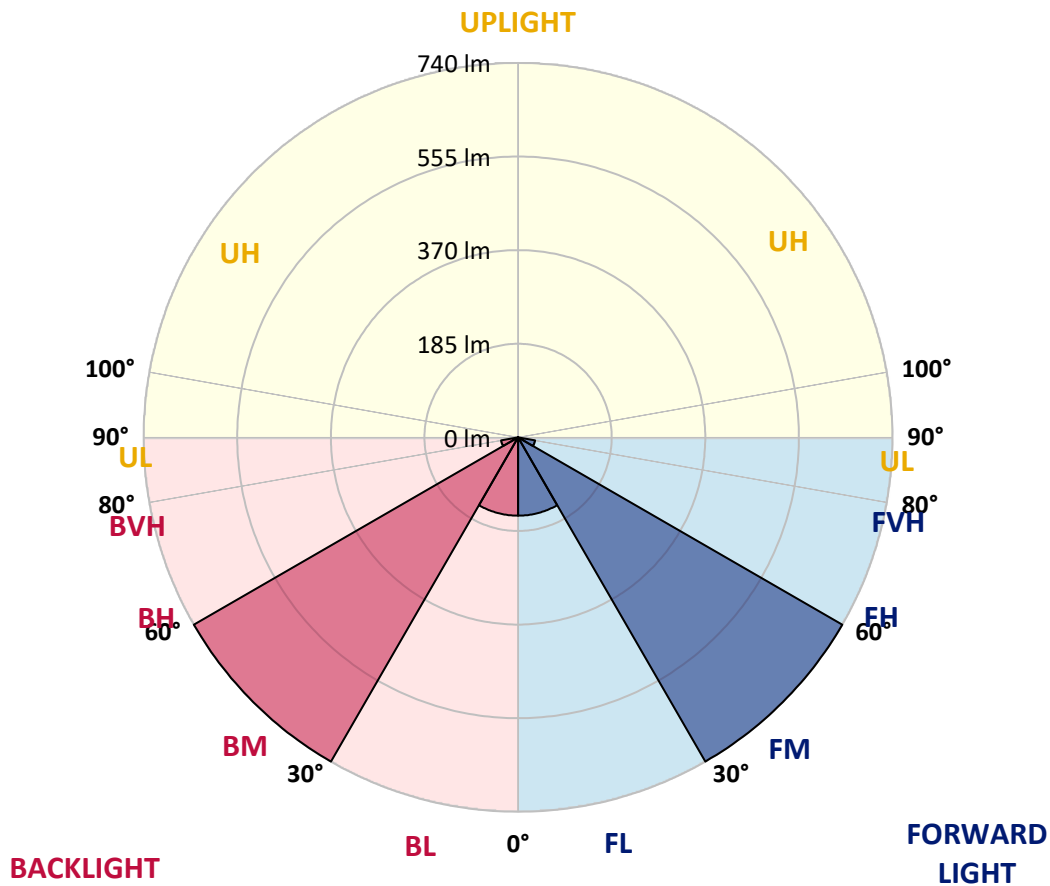
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.8	8.3			
FM (30°-60°)	739.9	39.8			
FH (60°-80°)	34.1	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	154.8	8.3	B1/500		
BM (30°-60°)	739.9	39.8	B1/1000		
BH (60°-80°)	34.1	1.8	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°	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4
2.5°	299.8	299.8	300.5	301.1	301.1	302.6	302.1	301.5	301.5	300.7	302.2
5°	304.1	304.0	304.7	305.1	304.3	305.8	304.9	304.3	304.0	303.2	304.7
7.5°	308.9	309.1	309.2	310.0	309.6	311.1	310.4	309.2	308.9	307.7	309.2
10°	314.5	314.5	314.9	315.9	316.1	318.0	317.2	315.9	314.7	313.6	315.1
12.5°	321.7	321.9	322.5	323.8	324.6	326.7	325.5	322.9	321.2	319.8	321.6
15°	332.1	332.0	332.7	334.6	335.6	337.1	335.4	331.8	329.7	328.2	329.3
17.5°	343.5	343.5	343.9	345.8	347.1	349.4	347.3	342.9	341.0	339.0	340.1
20°	356.0	356.6	356.9	358.3	360.5	362.8	361.1	356.8	354.7	352.0	353.3
22.5°	372.5	371.9	372.1	374.4	377.6	379.8	378.5	373.4	369.8	367.7	368.5
25°	390.8	390.6	391.2	394.6	398.2	400.7	398.8	392.1	388.5	385.0	386.5
27.5°	413.3	413.5	413.9	418.1	423.8	427.3	422.6	416.0	411.1	406.3	407.5
30°	440.0	439.6	440.8	446.5	454.8	460.5	455.0	445.7	438.7	434.2	434.7
32.5°	468.4	468.8	471.8	480.9	491.9	501.9	490.7	478.4	469.4	460.8	462.0
35°	499.1	500.0	506.8	520.3	538.3	551.7	536.2	515.9	503.1	492.1	492.5
37.5°	535.2	537.5	547.0	567.0	592.8	610.7	588.0	561.2	544.5	530.9	529.9
40°	582.7	585.4	598.2	622.1	653.3	669.8	643.5	615.8	595.2	580.5	578.2
42.5°	637.2	640.6	654.6	679.1	710.3	721.5	695.7	672.4	653.9	636.5	635.7
45°	698.7	700.6	712.0	730.7	753.3	755.9	736.6	723.7	705.0	688.7	687.4
47.5°	756.5	758.4	766.1	775.8	781.1	771.6	768.2	762.5	738.3	718.2	714.1
50°	800.4	801.9	811.5	815.3	800.6	780.5	787.1	775.0	748.7	726.2	719.8
52.5°	797.3	801.1	825.9	847.5	838.2	822.0	804.2	778.0	737.2	706.3	698.4
55°	686.4	691.6	744.7	815.7	879.1	886.1	814.9	730.7	653.9	608.7	600.5
57.5°	441.2	442.5	507.4	607.0	749.8	794.9	675.8	550.9	455.4	405.6	402.2
60°	162.2	159.5	208.6	291.1	431.9	479.6	397.8	278.6	198.7	163.5	160.7
62.5°	39.0	39.4	48.8	73.2	135.5	167.7	132.5	74.0	47.1	39.6	39.2
65°	19.7	19.3	19.5	21.0	29.0	34.6	28.4	20.1	19.3	19.5	19.3
67.5°	12.7	12.5	12.9	13.1	12.9	12.1	11.9	12.3	12.3	12.5	12.1
70°	7.8	7.6	7.9	8.5	8.1	7.2	7.6	7.9	7.6	7.4	7.4
72.5°	4.2	4.2	4.5	4.9	4.5	4.2	4.2	4.4	4.2	4.2	4.2
75°	1.9	1.9	2.1	2.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)