

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: P630099

Luminaire Tested: GWS-SA1D-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 2350.5 lumens  
Efficiency: N/A  
Efficacy: 53.1 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): 44.3  
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

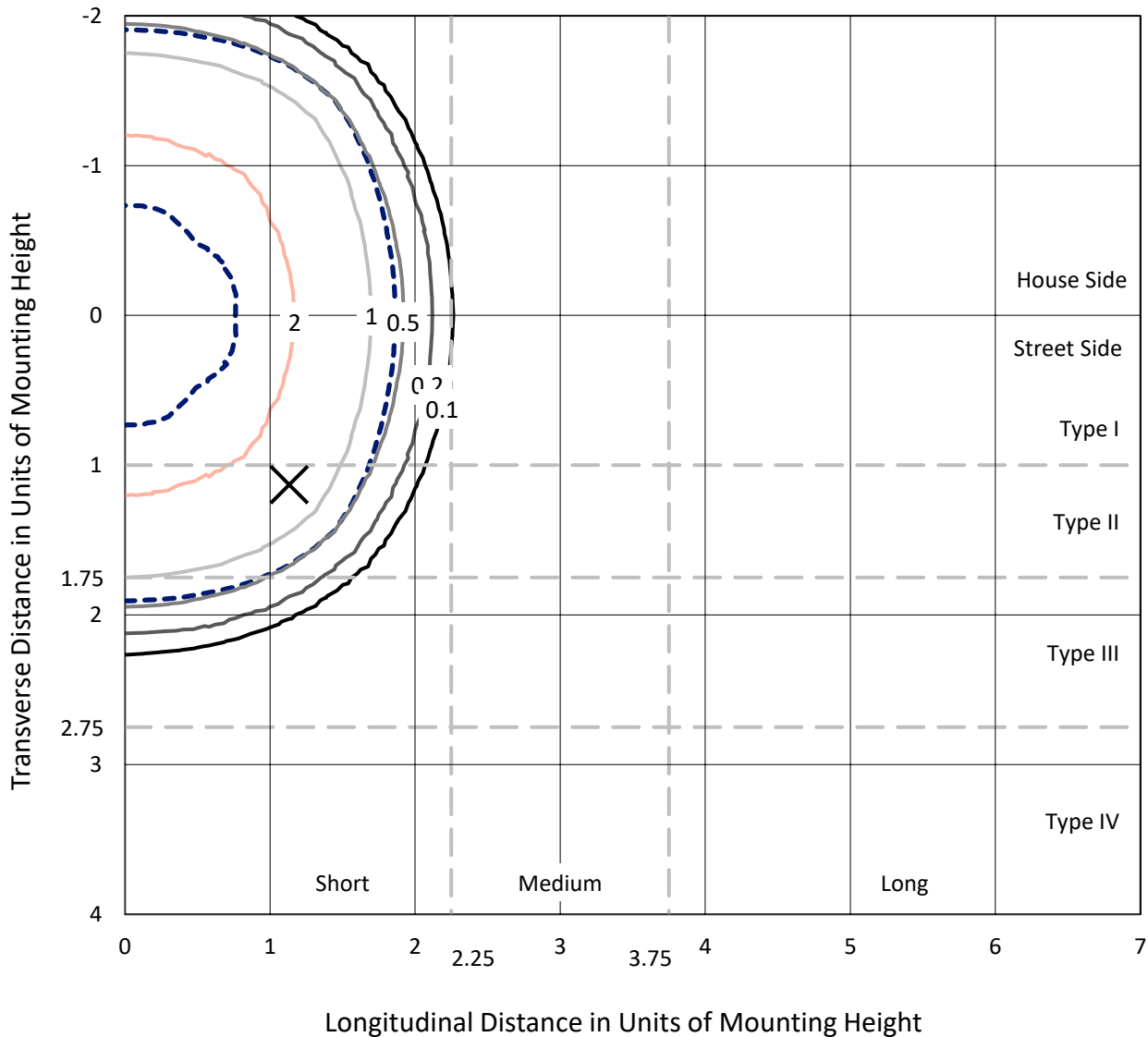


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### Iso-Footcandle Lines of Horizontal Illumination

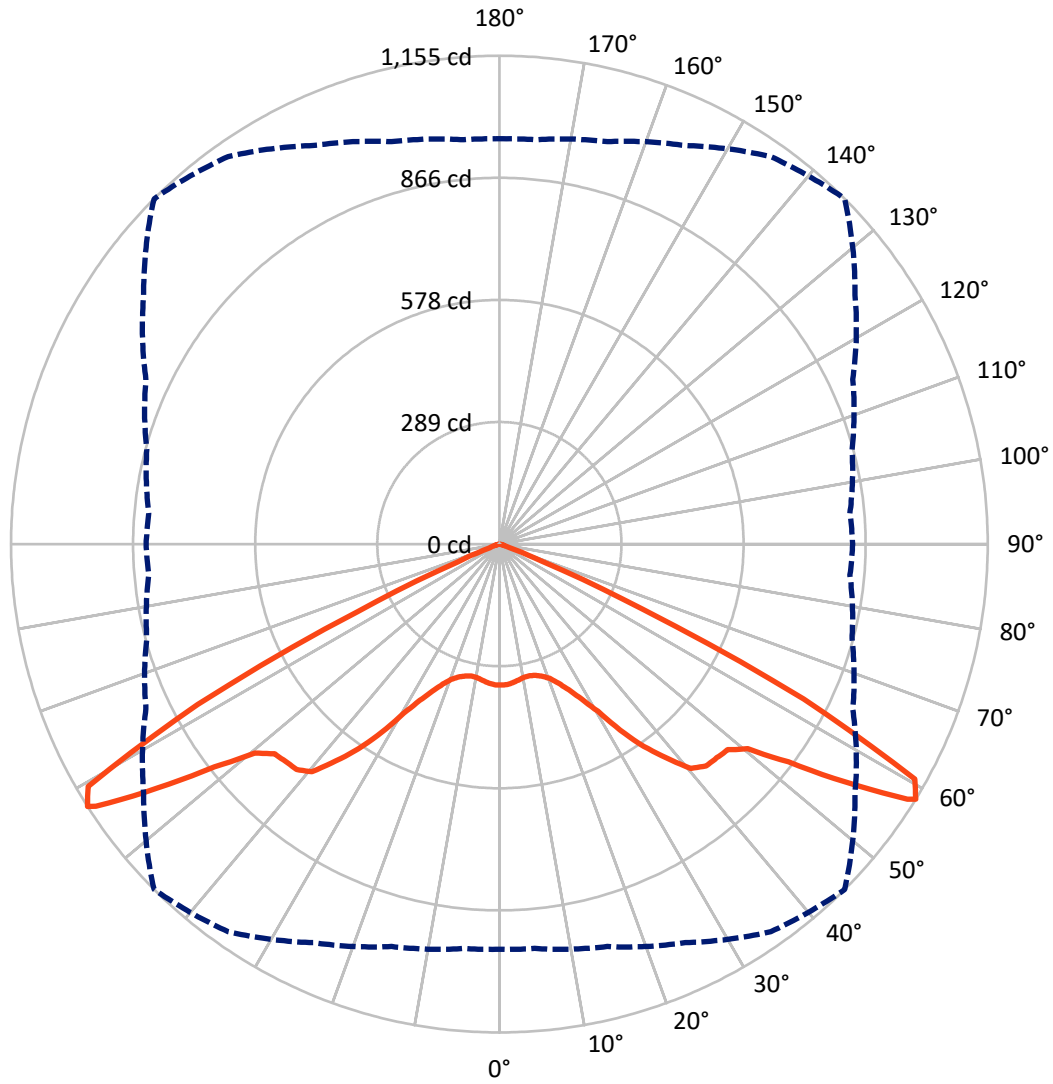
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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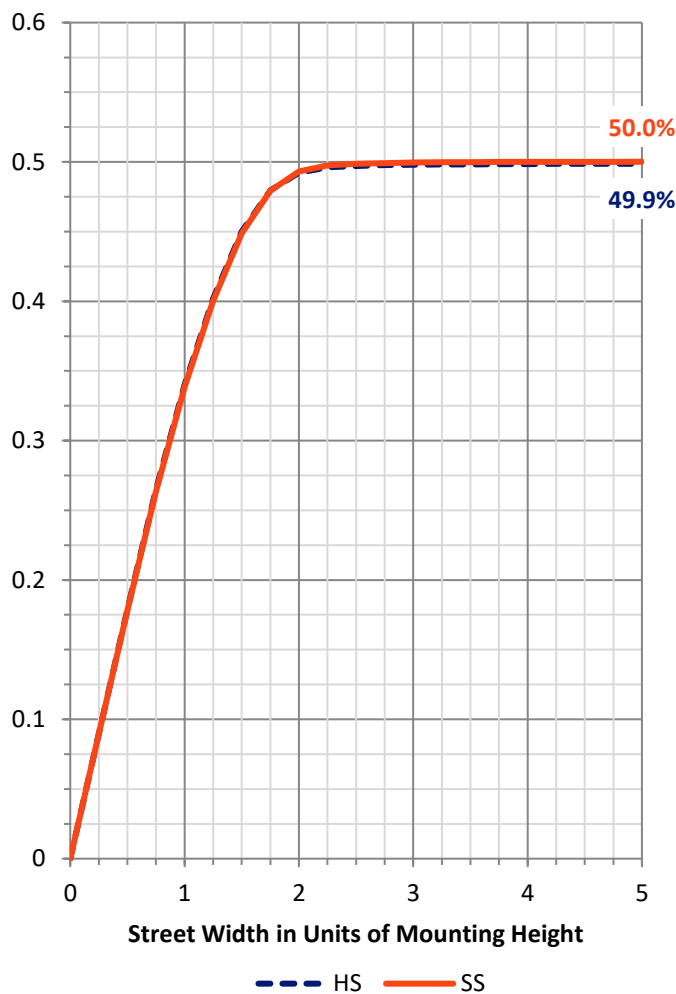
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1175.2	0.0	1175.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1175.2	0.0	1175.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2350.5	0.0	2350.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.1	1.3
10°-20°	92.0	3.9
20°-30°	174.0	7.4
30°-40°	343.3	14.6
40°-50°	543.2	23.1
50°-60°	798.5	34.0
60°-70°	356.4	15.2
70°-80°	11.9	0.5
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°	2350.5	100.0
0°-180°	2350.5	100.0

**Coefficient of Utilization**



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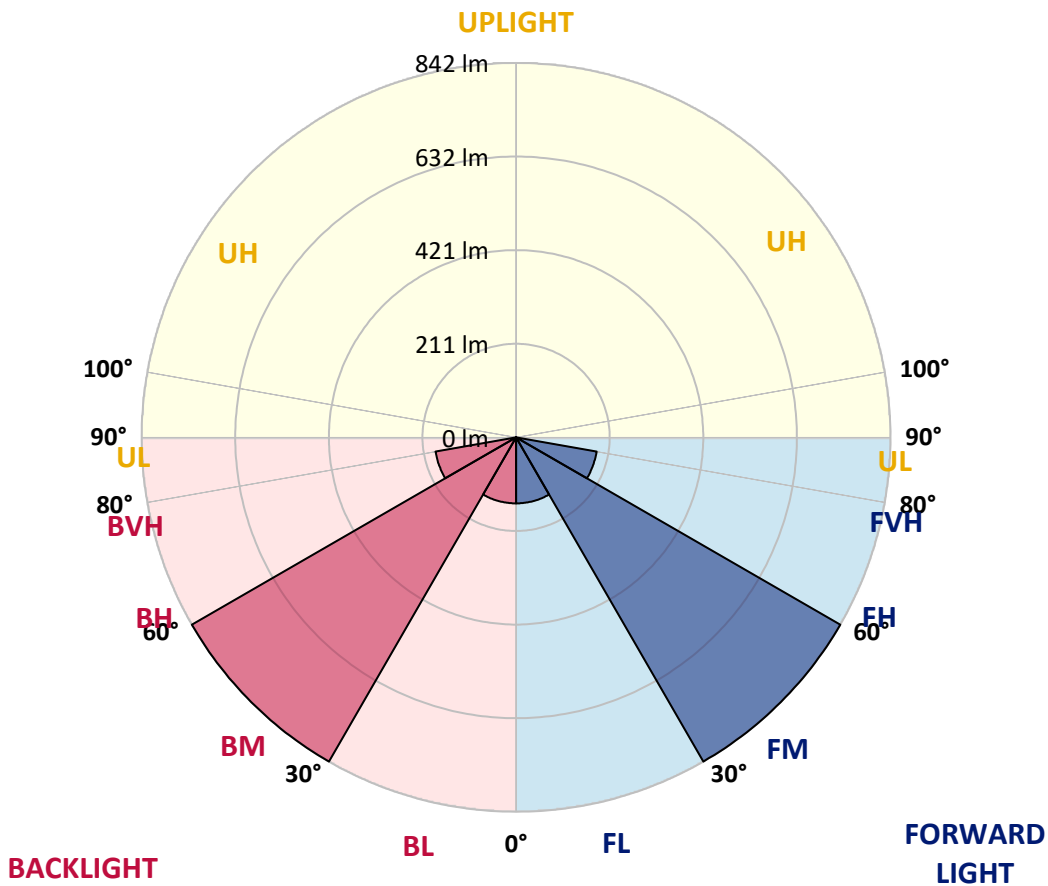
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.6	6.3			
FM (30°-60°)	842.5	35.8			
FH (60°-80°)	184.2	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	148.6	6.3	B1/500		
BM (30°-60°)	842.5	35.8	B1/1000		
BH (60°-80°)	184.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	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°	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3	333.3
2.5°	330.1	330.8	331.4	331.7	332.1	333.0	333.3	332.4	332.4	330.5	332.7
5°	328.5	329.2	329.8	329.5	329.5	329.5	329.2	327.9	327.6	325.6	327.9
7.5°	325.6	326.3	326.3	325.3	324.7	324.7	324.4	322.8	322.4	320.5	322.8
10°	323.4	323.7	323.4	321.5	320.2	320.2	319.9	319.2	319.6	318.3	320.2
12.5°	324.7	325.0	323.7	321.2	319.6	319.2	318.3	317.3	318.3	318.0	319.9
15°	328.8	329.2	326.9	323.7	322.4	322.4	319.9	317.3	318.6	318.9	321.2
17.5°	334.0	334.0	331.1	328.2	328.5	328.5	324.4	319.9	320.2	321.5	323.7
20°	340.1	340.1	337.2	336.5	338.8	339.1	334.0	326.9	325.3	326.3	328.8
22.5°	350.9	350.9	348.7	350.3	355.4	357.0	349.3	339.4	335.6	336.2	338.8
25°	367.9	367.9	367.3	371.1	378.5	382.0	371.8	358.6	352.2	351.3	354.1
27.5°	396.4	396.7	395.8	401.5	410.8	415.0	400.9	383.6	375.9	374.3	377.2
30°	433.2	433.2	433.6	441.6	453.7	459.2	440.6	420.4	411.5	406.3	410.2
32.5°	474.2	474.9	478.1	491.5	513.0	524.2	497.0	468.8	454.4	448.9	453.1
35°	541.8	535.7	531.9	541.8	572.8	587.6	552.7	519.7	508.8	508.2	518.7
37.5°	608.7	605.2	597.2	607.4	635.3	642.0	603.6	576.0	568.4	572.5	583.1
40°	661.9	655.5	644.9	654.5	691.0	697.7	650.3	623.1	620.2	629.5	643.9
42.5°	703.8	694.8	680.8	683.0	712.5	717.3	675.3	654.8	656.7	668.3	684.6
45°	722.7	715.7	703.2	702.2	720.8	721.1	688.1	677.6	682.7	691.6	704.4
47.5°	730.7	727.5	720.5	718.9	729.4	726.9	706.4	701.9	706.7	709.3	716.6
50°	750.6	750.6	751.5	752.8	763.7	761.1	746.7	741.6	735.5	726.5	728.8
52.5°	806.3	808.5	817.8	828.0	847.9	856.2	832.9	803.1	773.9	754.4	754.4
55°	906.8	909.1	919.9	937.2	973.7	993.6	939.2	873.5	833.5	806.9	810.4
57.5°	962.2	964.8	987.2	1033.9	1104.7	1138.3	1021.5	924.1	868.1	837.7	840.2
58°	958.7	960.3	985.6	1040.3	1119.1	1155.3	1027.2	922.5	863.6	832.5	835.7
60°	851.7	849.5	889.8	968.0	1079.1	1129.0	969.9	842.1	773.6	741.9	743.5
62.5°	556.8	558.1	593.0	674.7	761.1	808.2	677.6	582.5	527.4	508.2	503.4
65°	232.5	228.3	249.8	295.2	347.1	373.4	320.8	271.5	237.6	224.8	228.3
67.5°	59.9	58.3	59.6	74.6	91.3	107.9	90.6	69.2	60.2	60.8	60.8
70°	33.9	32.0	25.9	24.0	23.4	23.4	23.4	23.4	26.9	31.7	32.7
72.5°	25.6	24.0	18.9	16.3	14.4	13.4	14.1	16.3	19.5	23.7	24.3
75°	12.8	12.8	11.5	10.9	9.6	9.0	9.3	10.2	11.8	13.4	13.1
77.5°	2.6	2.9	3.2	3.8	3.2	3.2	3.2	3.8	3.8	4.2	3.8
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)