

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: P629603

Luminaire Tested: GWS-SA1C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629603  
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-SA1C-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**

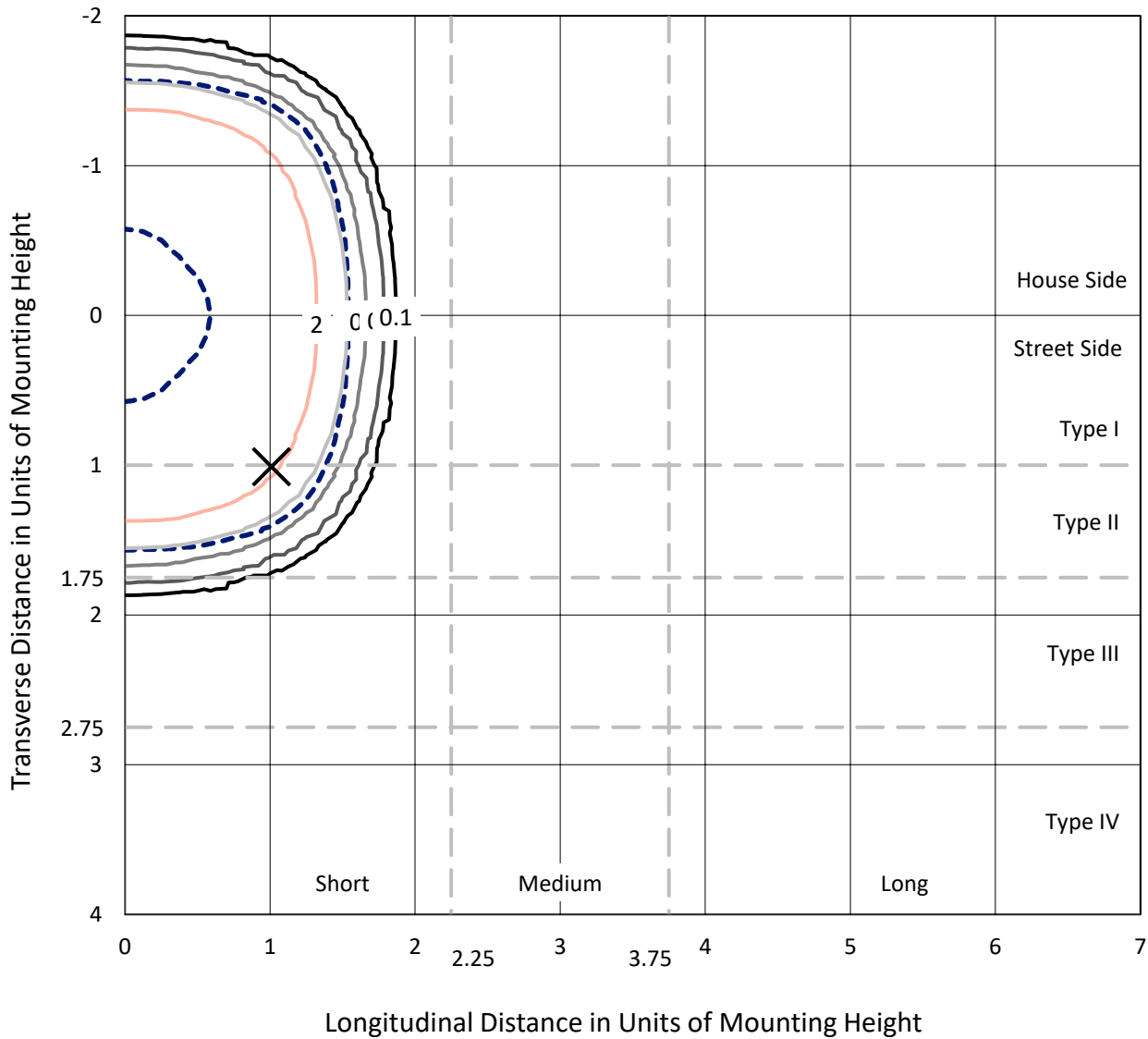
Lumens per Lamp: N/A  
Luminaire Lumens: 2491.4 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

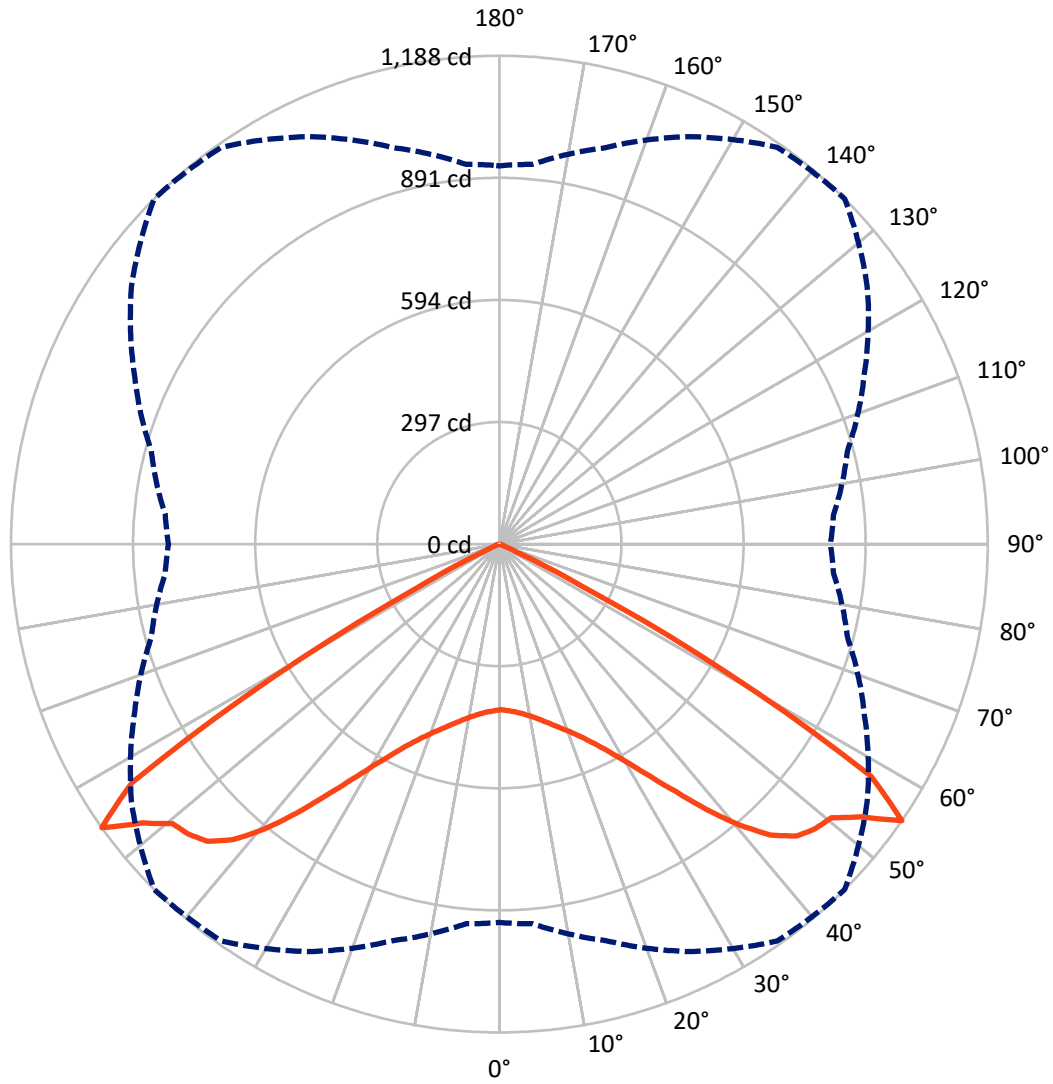
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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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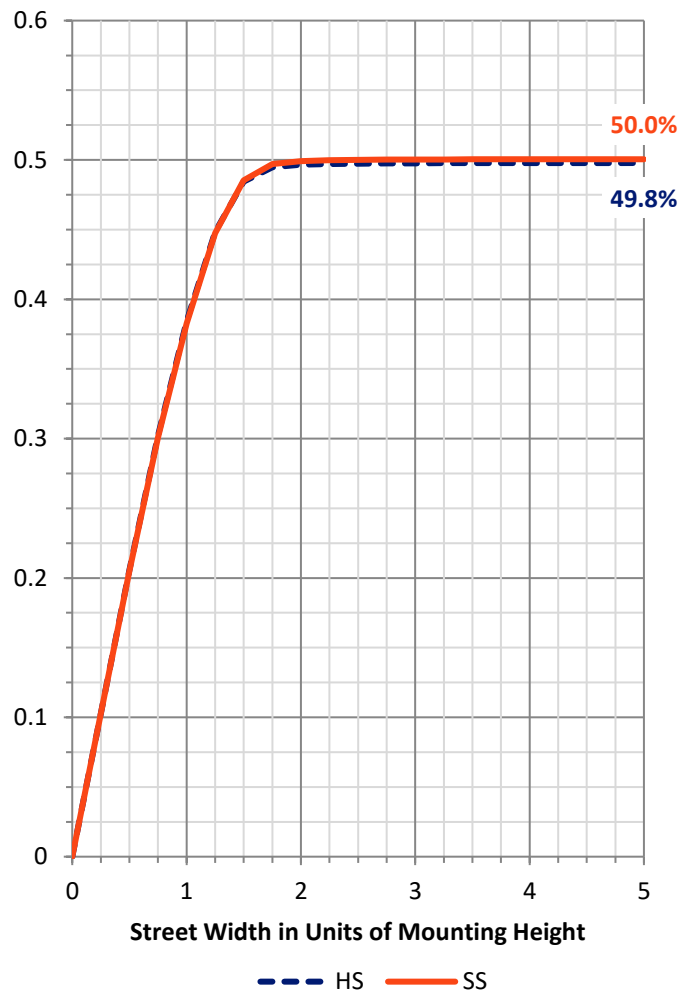
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1245.7	0.0	1245.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1245.7	0.0	1245.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2491.4	0.0	2491.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	1.6
10°-20°	127.9	5.1
20°-30°	247.8	9.9
30°-40°	443.9	17.8
40°-50°	744.2	29.9
50°-60°	796.6	32.0
60°-70°	87.5	3.5
70°-80°	3.9	0.2
80°-90°	0.2	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°	2491.4	100.0
0°-180°	2491.4	100.0

**Coefficient of Utilization**



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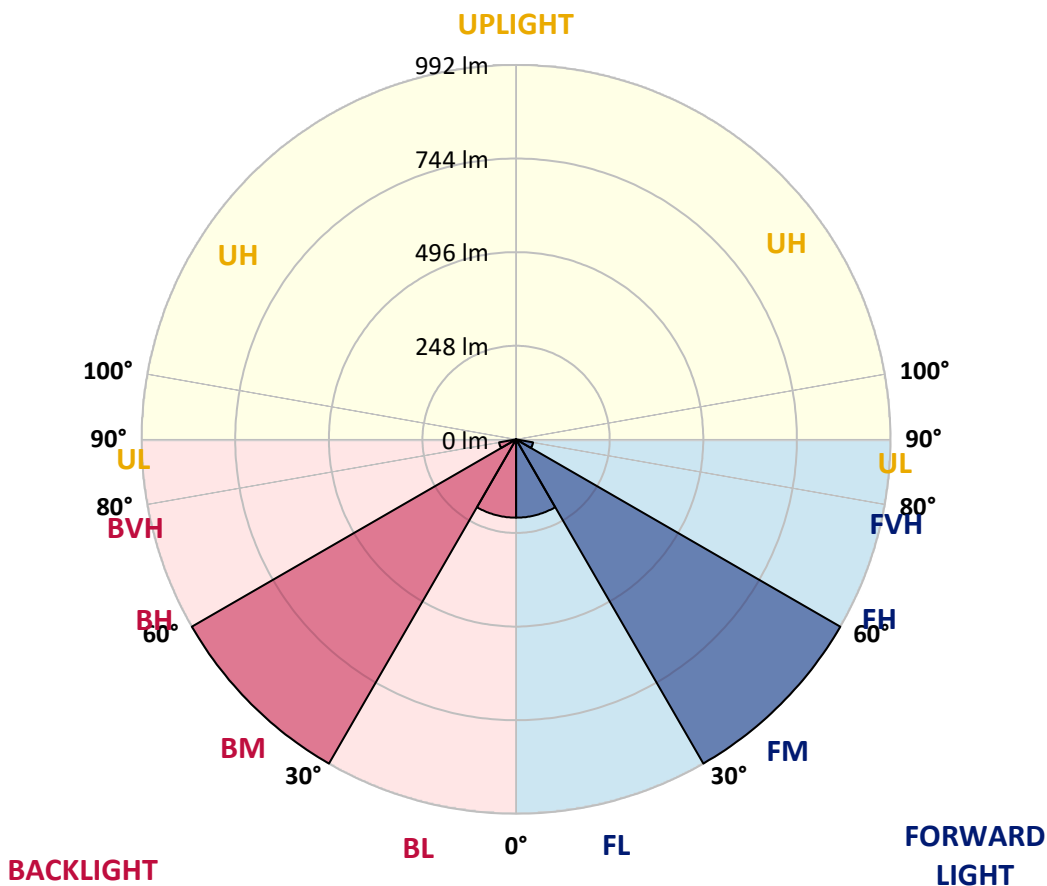
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.6	8.3			
FM (30°-60°)	992.3	39.8			
FH (60°-80°)	45.7	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	207.6	8.3	B1/500		
BM (30°-60°)	992.3	39.8	B1/1000		
BH (60°-80°)	45.7	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°	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8
2.5°	402.0	402.0	403.1	403.8	403.8	405.9	405.1	404.3	404.3	403.3	405.3
5°	407.9	407.6	408.6	409.2	408.1	410.2	408.9	408.1	407.6	406.6	408.6
7.5°	414.2	414.5	414.7	415.8	415.2	417.3	416.3	414.7	414.2	412.7	414.7
10°	421.8	421.8	422.4	423.6	423.9	426.4	425.4	423.6	422.1	420.6	422.6
12.5°	431.5	431.7	432.5	434.3	435.3	438.1	436.6	433.0	430.7	429.0	431.2
15°	445.5	445.2	446.2	448.8	450.0	452.1	449.8	444.9	442.2	440.1	441.6
17.5°	460.7	460.7	461.2	463.7	465.5	468.6	465.8	459.9	457.4	454.6	456.1
20°	477.4	478.2	478.7	480.5	483.5	486.6	484.3	478.4	475.7	472.1	473.9
22.5°	499.5	498.8	499.0	502.1	506.4	509.4	507.6	500.8	496.0	493.2	494.2
25°	524.1	523.9	524.6	529.2	534.0	537.3	534.8	525.9	521.1	516.3	518.3
27.5°	554.3	554.6	555.1	560.7	568.3	573.1	566.8	557.9	551.3	545.0	546.5
30°	590.1	589.6	591.1	598.8	609.9	617.5	610.2	597.7	588.4	582.3	583.0
32.5°	628.2	628.7	632.8	645.0	659.7	673.1	658.2	641.7	629.5	618.1	619.6
35°	669.3	670.6	679.7	697.7	721.9	739.9	719.1	691.9	674.7	659.9	660.4
37.5°	717.8	720.8	733.5	760.4	795.0	819.1	788.6	752.6	730.2	712.0	710.7
40°	781.5	785.1	802.3	834.3	876.2	898.3	863.0	825.9	798.3	778.5	775.4
42.5°	854.6	859.2	878.0	910.7	952.6	967.6	933.0	901.8	876.9	853.6	852.6
45°	937.1	939.6	954.9	980.0	1010.2	1013.8	987.9	970.6	945.5	923.6	921.9
47.5°	1014.5	1017.1	1027.5	1040.4	1047.5	1034.8	1030.3	1022.6	990.1	963.2	957.7
50°	1073.4	1075.4	1088.4	1093.5	1073.7	1046.8	1055.6	1039.4	1004.1	973.9	965.3
52.5°	1069.3	1074.4	1107.7	1136.6	1124.2	1102.3	1078.5	1043.5	988.6	947.3	936.6
55°	920.6	927.5	998.8	1094.0	1179.0	1188.4	1092.9	980.0	876.9	816.3	805.4
57.5°	591.7	593.4	680.5	814.0	1005.6	1066.0	906.4	738.9	610.7	543.9	539.4
60°	217.5	214.0	279.7	390.4	579.2	643.2	533.5	373.6	266.5	219.3	215.5
62.5°	52.3	52.8	65.5	98.2	181.7	224.9	177.7	99.2	63.2	53.0	52.5
65°	26.4	25.9	26.1	28.2	38.8	46.4	38.1	26.9	25.9	26.1	25.9
67.5°	17.0	16.8	17.3	17.5	17.3	16.2	16.0	16.5	16.5	16.8	16.2
70°	10.4	10.2	10.7	11.4	10.9	9.6	10.2	10.7	10.2	9.9	9.9
72.5°	5.6	5.6	6.1	6.6	6.1	5.6	5.6	5.8	5.6	5.6	5.6
75°	2.5	2.5	2.8	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.0	1.0
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)