

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: P629601

Luminaire Tested: GWS-SA1C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

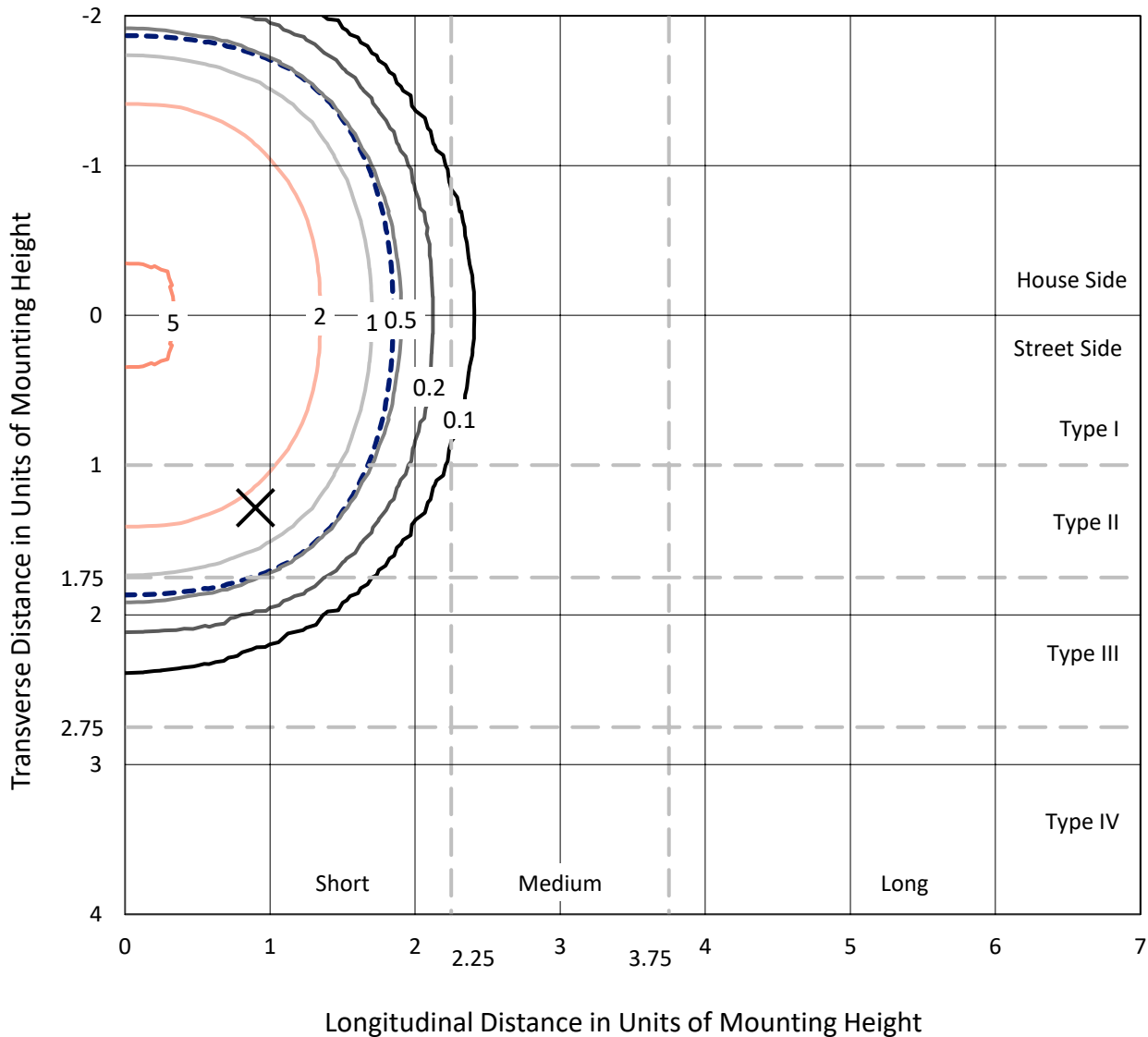
Lumens per Lamp: N/A  
Luminaire Lumens: 3100 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

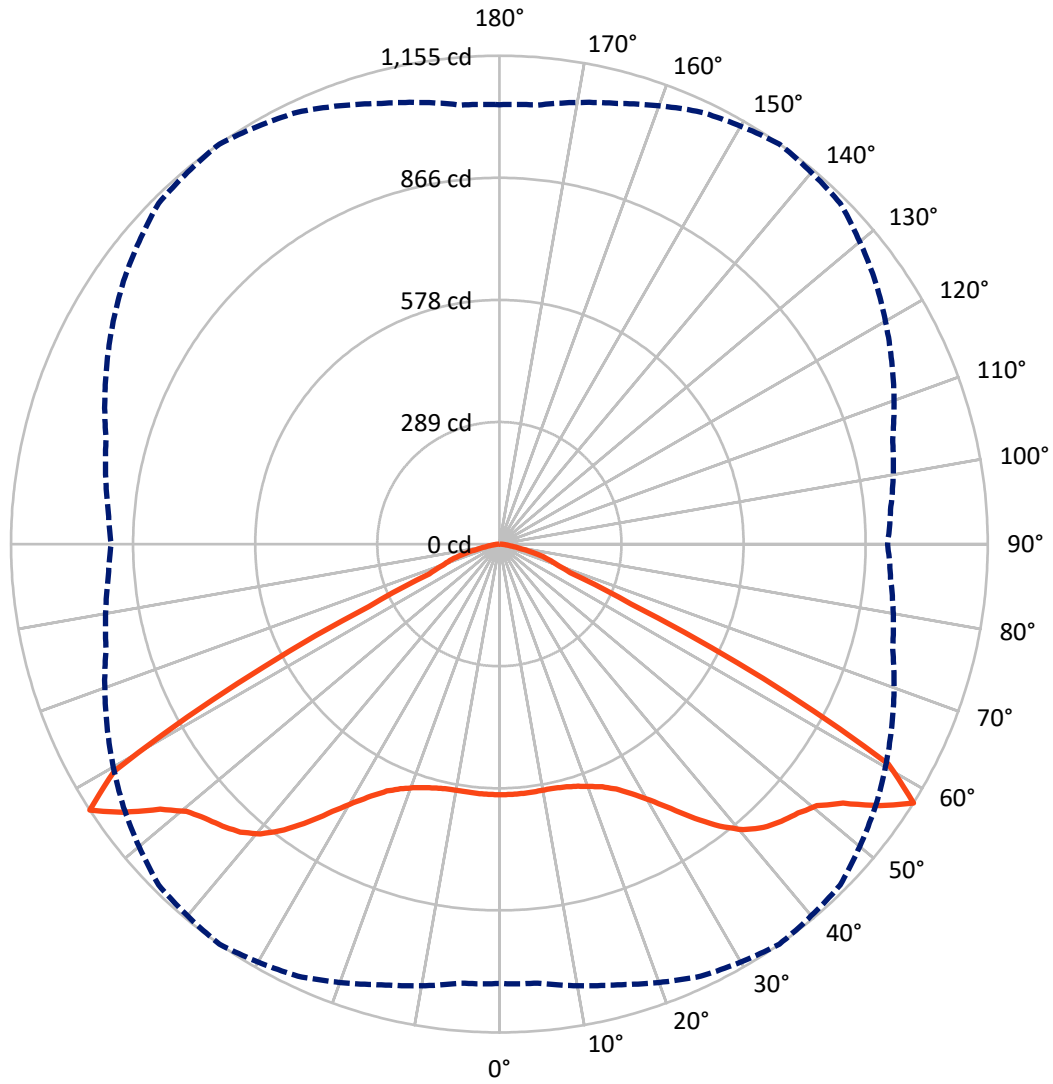
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1550.0	0.0	1550.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1550.0	0.0	1550.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3100.0	0.0	3100.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	1.8
10°-20°	168.4	5.4
20°-30°	293.7	9.5
30°-40°	481.7	15.5
40°-50°	709.4	22.9
50°-60°	905.3	29.2
60°-70°	381.5	12.3
70°-80°	91.1	2.9
80°-90°	12.4	0.4
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°	3100.0	100.0
0°-180°	3100.0	100.0

**Coefficient of Utilization**



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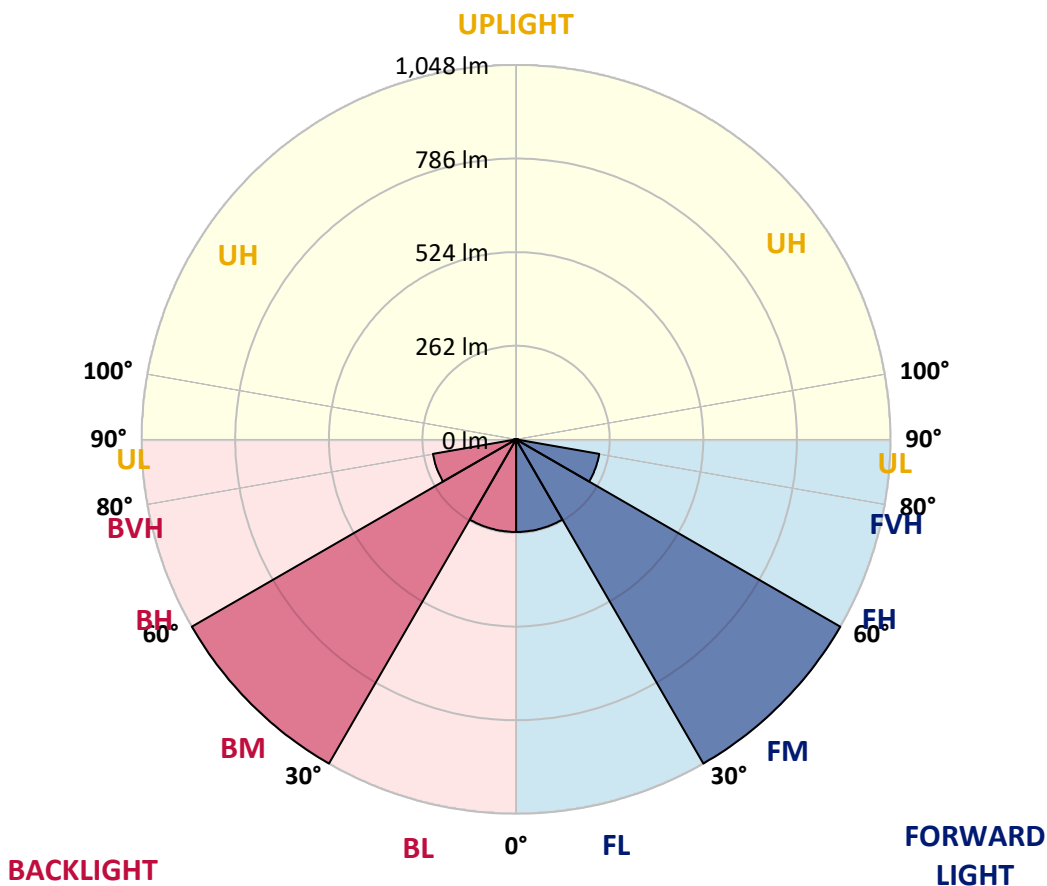
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.3	8.4			
FM (30°-60°)	1048.2	33.8			
FH (60°-80°)	236.3	7.6			G0/660
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	259.3	8.4	B1/500		
BM (30°-60°)	1048.2	33.8	B2/2500		
BH (60°-80°)	236.3	7.6	B1/500		G0/660
BVH (80°-90°)	6.2	0.2			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°	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1
2.5°	589.6	589.6	590.9	592.1	592.6	594.9	594.7	593.9	593.4	591.9	593.9
5°	590.9	590.9	591.9	592.6	592.4	594.2	593.4	592.1	591.4	589.9	592.1
7.5°	590.6	590.6	591.4	592.1	591.6	593.1	591.9	590.1	588.8	587.3	589.3
10°	587.3	587.8	588.6	590.4	591.1	593.4	591.6	588.8	586.8	585.0	587.1
12.5°	586.8	587.3	588.3	590.6	591.9	595.2	592.9	588.3	585.3	583.0	585.0
15°	589.1	589.6	591.1	593.9	595.9	599.5	596.2	589.9	585.5	582.5	584.3
17.5°	591.9	592.6	594.9	599.0	602.3	606.1	602.0	594.4	588.3	584.3	585.8
20°	594.9	595.9	599.5	605.6	611.7	616.5	611.4	601.3	593.9	588.6	590.1
22.5°	600.3	601.5	606.1	614.7	623.9	631.0	624.6	610.9	601.3	594.4	595.7
25°	611.2	612.7	618.5	628.9	641.9	650.5	641.6	626.1	612.7	604.3	605.6
27.5°	630.5	631.2	638.8	652.5	668.5	678.4	667.8	649.5	634.5	624.9	625.9
30°	655.8	658.1	665.7	683.8	702.8	716.0	702.0	680.5	663.2	651.5	652.5
32.5°	686.8	688.3	699.7	718.5	745.9	761.2	742.1	716.5	695.7	681.5	682.5
35°	727.4	728.7	739.6	763.5	796.7	810.9	789.1	759.6	735.5	722.1	725.9
37.5°	775.9	778.2	786.0	809.6	846.7	860.7	835.5	808.1	783.0	770.6	773.4
40°	827.9	827.7	834.0	854.8	888.6	897.2	874.6	852.8	831.2	823.1	827.7
42.5°	872.6	871.3	875.9	893.2	916.5	917.3	902.3	890.1	874.9	869.3	873.6
45°	903.8	904.3	911.2	923.1	935.0	928.7	924.1	922.1	910.2	902.5	903.3
47.5°	928.4	930.5	941.4	949.5	951.0	940.4	946.7	949.7	939.9	928.2	924.9
50°	950.3	953.6	967.8	976.4	973.1	959.6	972.1	976.7	954.8	932.5	925.9
52.5°	989.9	993.7	1010.9	1022.1	1018.3	1004.8	1016.5	1000.3	963.5	936.0	927.7
55°	1053.0	1054.8	1075.9	1094.2	1092.4	1075.9	1066.5	1030.5	985.8	957.4	949.5
57.5°	1039.6	1042.6	1079.2	1127.9	1155.3	1140.4	1085.3	1023.9	963.2	928.9	918.3
60°	818.0	825.4	870.8	956.6	1057.1	1056.9	954.6	859.1	786.0	740.6	736.0
62.5°	477.7	482.7	524.1	610.9	701.0	706.6	634.8	569.3	505.3	474.6	459.9
65°	226.1	225.9	242.4	281.5	342.4	347.2	325.6	289.8	252.0	241.6	238.8
67.5°	167.0	167.0	165.7	168.5	180.2	182.7	180.2	174.4	170.8	173.1	171.6
70°	144.9	145.2	143.7	142.9	142.9	142.1	143.1	145.4	147.0	150.0	148.5
72.5°	117.5	117.8	117.8	118.0	118.3	117.3	118.8	120.1	120.3	121.3	120.3
75°	83.5	84.0	85.5	86.8	87.8	87.8	88.3	88.6	87.6	88.8	86.8
77.5°	45.9	46.4	49.2	51.5	53.8	54.1	54.8	55.3	54.8	55.8	54.3
80°	25.4	25.9	27.2	28.2	29.9	31.5	32.5	33.0	33.0	33.8	33.0
82.5°	14.5	15.0	15.7	16.2	17.8	19.0	20.1	20.8	20.8	21.1	20.6
85°	6.9	6.9	7.4	7.9	8.6	9.1	10.4	11.2	11.2	11.7	11.2
87.5°	1.0	1.3	1.5	1.5	2.0	2.5	3.0	3.3	3.8	4.1	4.1
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)