

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: P641975

Luminaire Tested: GWS-SA6C-722-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

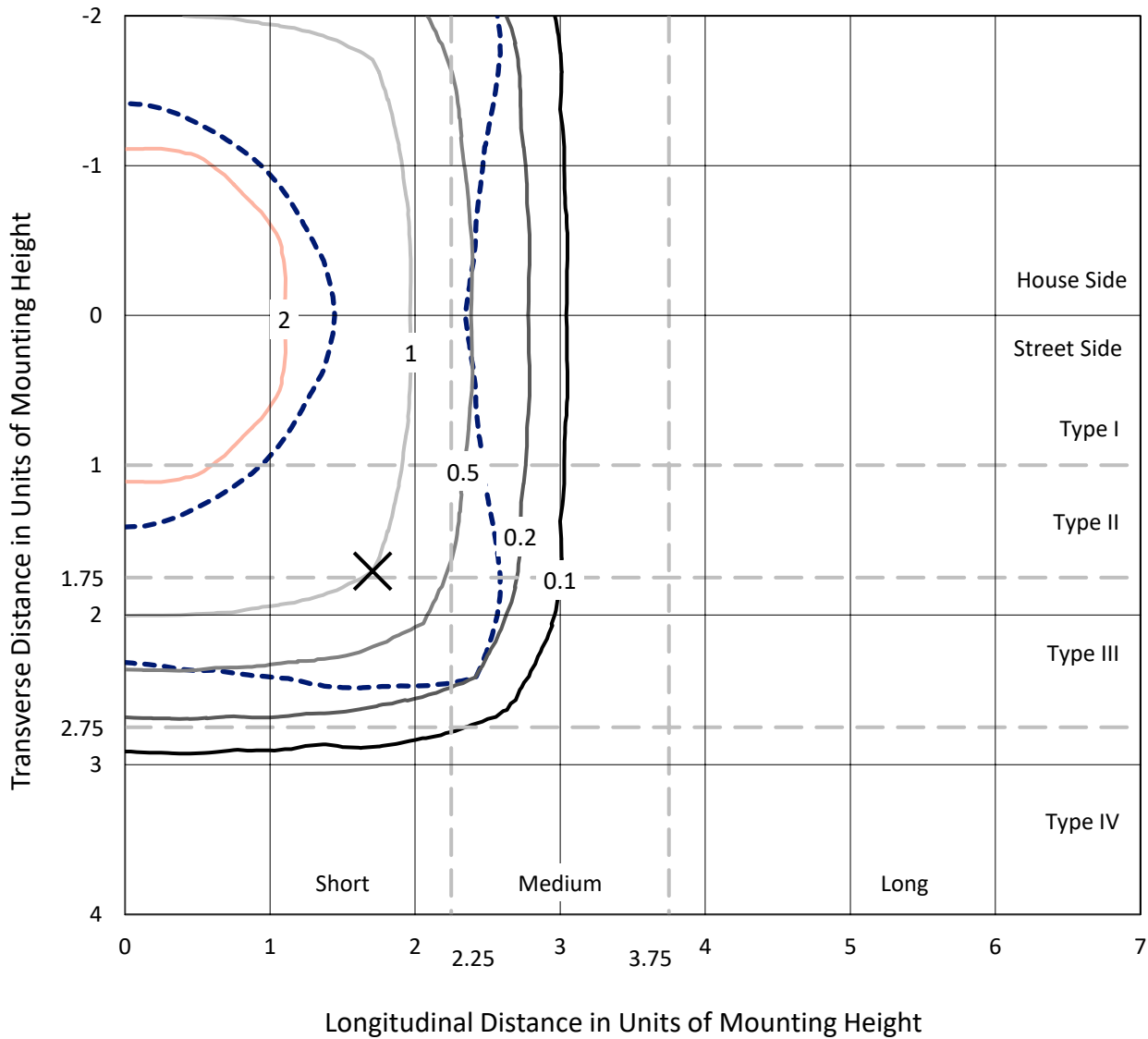
Lumens per Lamp: N/A  
Luminaire Lumens: 21659.8 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

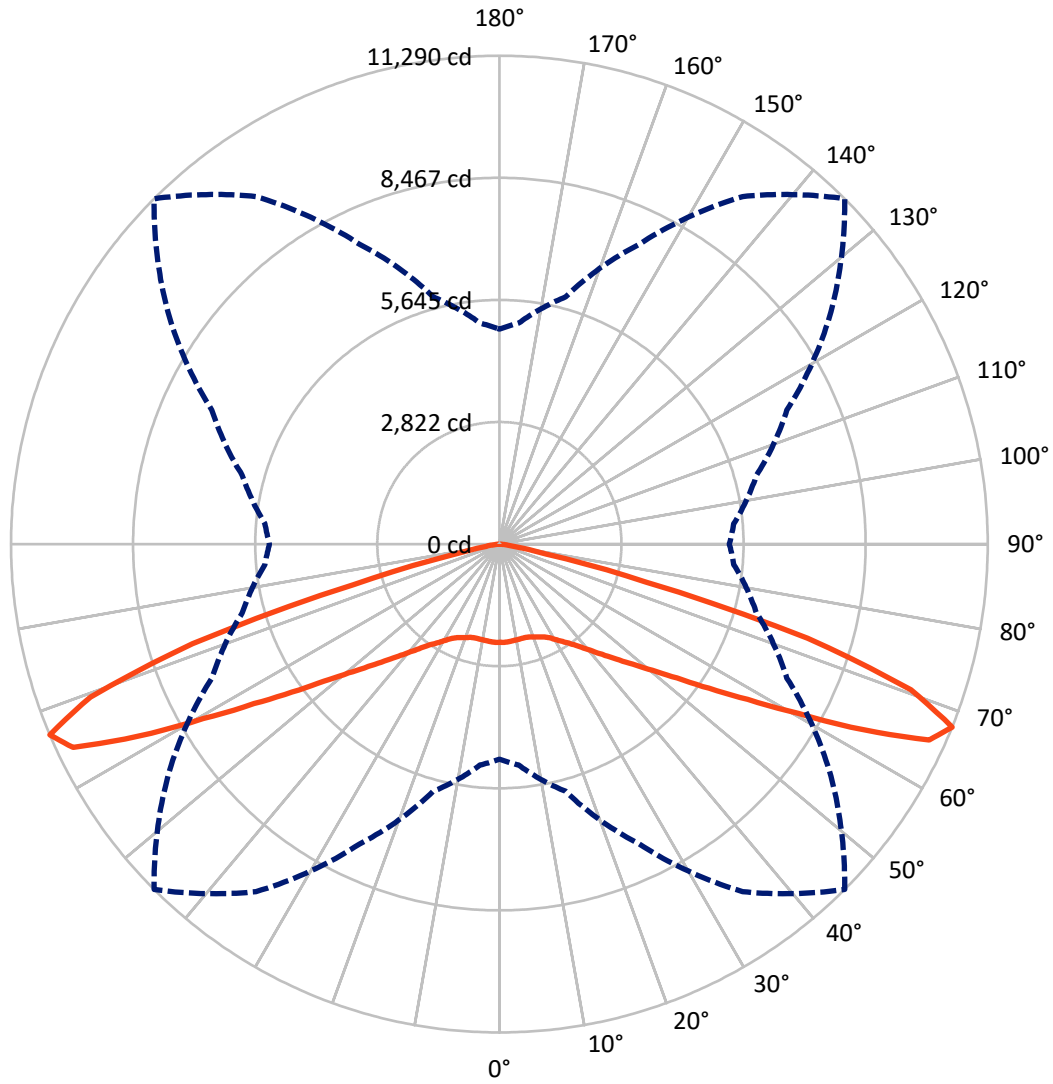
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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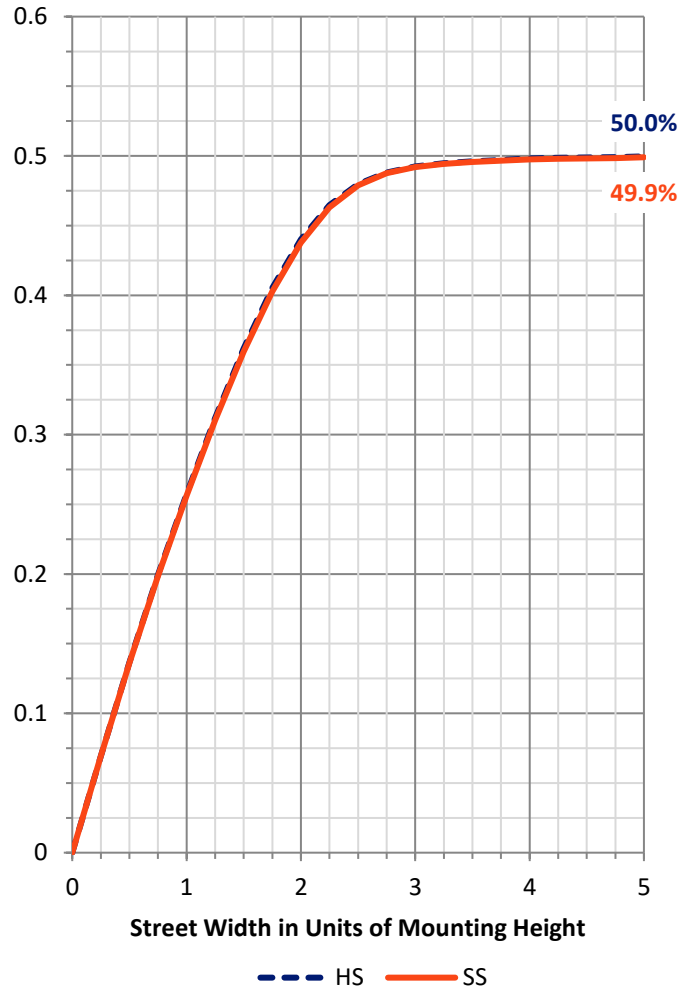
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10829.9	0.0	10829.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10829.9	0.0	10829.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21659.8	0.0	21659.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.7	1.0
10°-20°	630.6	2.9
20°-30°	1087.6	5.0
30°-40°	1768.5	8.2
40°-50°	2977.8	13.7
50°-60°	5276.1	24.4
60°-70°	7541.8	34.8
70°-80°	2069.9	9.6
80°-90°	92.7	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°	21659.8	100.0
0°-180°	21659.8	100.0

**Coefficient of Utilization**



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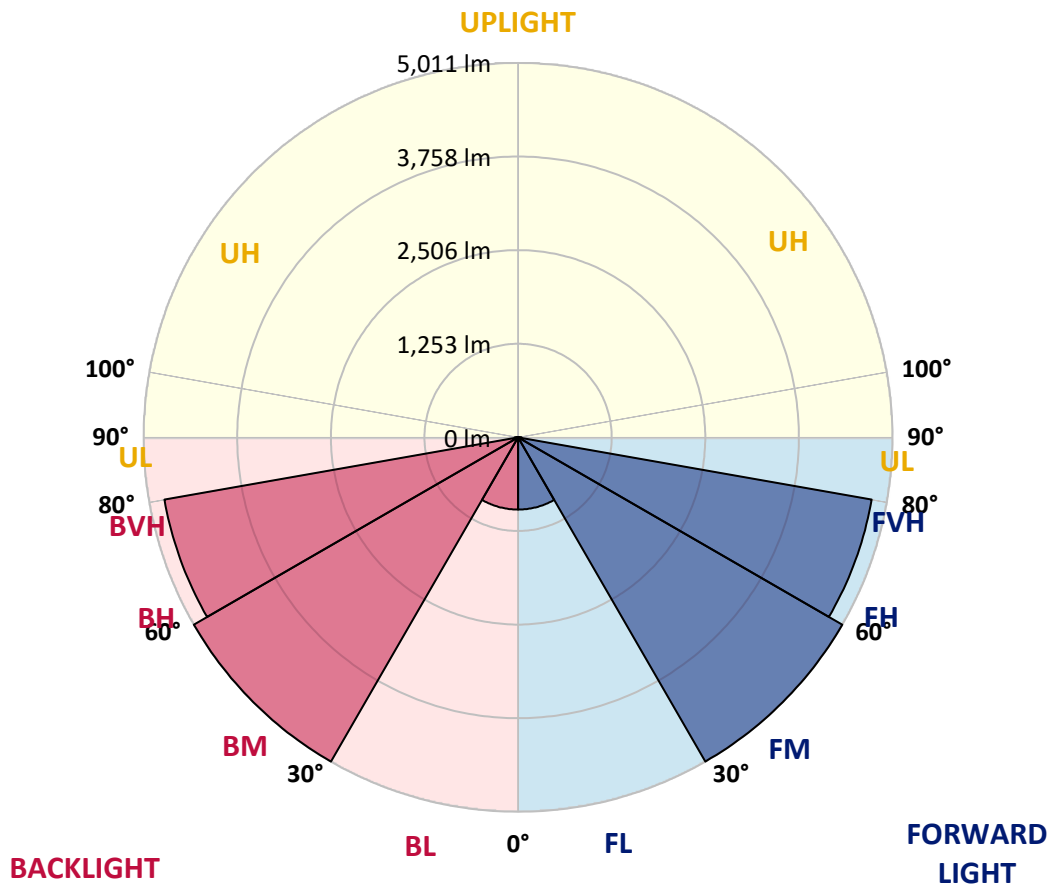
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.5	4.5			
FM (30°-60°)	5011.2	23.1			
FH (60°-80°)	4805.9	22.2			G2/5000
FVH (80°-90°)	46.4	0.2			G1/100
BL (0°-30°)	966.5	4.5	B2/1000		
BM (30°-60°)	5011.2	23.1	B4/8500		
BH (60°-80°)	4805.9	22.2	B4/5000		G2/5000
BVH (80°-90°)	46.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5	2268.5
2.5°	2253.5	2252.0	2259.5	2264.0	2262.5	2273.0	2271.5	2268.5	2268.5	2264.0	2276.0
5°	2253.5	2252.0	2258.0	2259.5	2256.5	2265.5	2262.5	2259.5	2259.5	2253.5	2264.0
7.5°	2241.5	2243.0	2247.5	2250.5	2247.5	2255.0	2250.5	2244.5	2243.0	2237.0	2247.5
10°	2219.0	2220.5	2225.0	2232.5	2234.0	2247.5	2240.0	2229.5	2225.0	2219.0	2229.5
12.5°	2205.5	2207.0	2211.5	2220.5	2223.5	2241.5	2234.0	2217.5	2210.0	2204.0	2214.5
15°	2202.5	2204.0	2210.0	2219.0	2223.5	2241.5	2234.0	2214.5	2204.0	2196.5	2205.5
17.5°	2202.5	2205.5	2214.5	2228.0	2237.0	2255.0	2246.0	2223.5	2208.5	2195.0	2204.0
20°	2204.0	2208.5	2222.0	2241.5	2264.0	2289.5	2277.5	2247.5	2226.5	2210.0	2216.0
22.5°	2217.5	2225.0	2241.5	2267.0	2300.0	2330.0	2319.5	2279.0	2249.0	2226.5	2232.5
25°	2264.0	2267.0	2288.0	2321.0	2352.4	2377.9	2367.4	2330.0	2292.5	2265.5	2273.0
27.5°	2346.4	2353.9	2371.9	2406.4	2433.4	2446.9	2445.4	2419.9	2382.4	2358.4	2364.4
30°	2445.4	2452.9	2476.9	2515.9	2542.9	2557.9	2553.4	2533.9	2499.4	2466.4	2472.4
32.5°	2560.9	2563.8	2592.3	2635.8	2664.3	2686.8	2671.8	2650.8	2607.3	2568.3	2571.3
35°	2707.8	2712.3	2742.3	2782.8	2805.2	2823.2	2820.2	2799.2	2752.8	2710.8	2721.3
37.5°	2892.2	2895.2	2922.2	2973.2	2991.2	3004.7	3007.7	2997.2	2949.2	2895.2	2905.7
40°	3121.6	3123.1	3153.1	3198.1	3217.6	3226.6	3228.1	3229.6	3180.1	3139.6	3136.6
42.5°	3388.5	3396.0	3438.0	3481.4	3490.4	3485.9	3500.9	3515.9	3467.9	3412.5	3417.0
45°	3707.8	3712.3	3769.3	3817.3	3800.8	3785.8	3814.3	3844.3	3800.8	3728.8	3707.8
47.5°	4085.7	4094.7	4156.1	4204.1	4177.1	4150.1	4196.6	4228.1	4157.6	4081.2	4061.7
50°	4513.0	4519.0	4605.9	4665.9	4634.4	4584.9	4643.4	4676.4	4581.9	4487.5	4445.5
52.5°	5018.2	5006.3	5121.7	5226.7	5207.2	5142.7	5190.7	5196.7	5055.7	4922.3	4880.3
55°	5634.5	5622.5	5737.9	5853.4	5901.4	5884.9	5862.4	5826.4	5618.0	5475.5	5436.6
57.5°	6352.7	6315.2	6477.1	6633.0	6738.0	6768.0	6672.0	6588.0	6423.1	6247.7	6202.7
60°	7019.9	7018.4	7274.7	7544.6	7832.5	7952.4	7709.5	7481.6	7111.3	6792.0	6727.5
62.5°	7207.3	7238.8	7658.6	8327.3	9037.9	9462.3	8822.0	8067.9	7352.7	6871.4	6786.0
65°	6745.5	6823.4	7420.2	8475.7	9879.1	10916.6	9471.3	8081.4	7084.3	6484.6	6394.6
67.5°	4971.8	5127.7	5917.8	7648.1	9807.1	11289.9	9355.8	7333.2	6153.2	5439.6	5315.1
70°	2452.9	2601.3	3228.1	5031.7	8069.4	10092.0	8094.9	5526.5	4156.1	3469.4	3355.5
72.5°	902.6	962.6	1208.5	2153.0	4453.0	7454.7	5535.5	3087.1	2013.6	1602.8	1526.3
75°	442.3	452.8	490.3	722.7	1643.3	3508.4	2601.3	1184.5	740.7	644.7	623.7
77.5°	281.9	286.4	304.4	344.8	527.8	1105.0	788.6	467.8	362.8	347.8	347.8
80°	157.4	161.9	185.9	214.4	247.4	379.3	283.4	280.4	238.4	208.4	203.9
82.5°	75.0	82.5	118.4	116.9	130.4	190.4	166.4	151.4	152.9	115.4	109.5
85°	34.5	34.5	46.5	55.5	58.5	64.5	76.5	87.0	85.5	58.5	63.0
87.5°	16.5	16.5	16.5	15.0	13.5	12.0	16.5	27.0	39.0	27.0	25.5
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)