

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: P641483

Luminaire Tested: GWS-SA6B-722-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

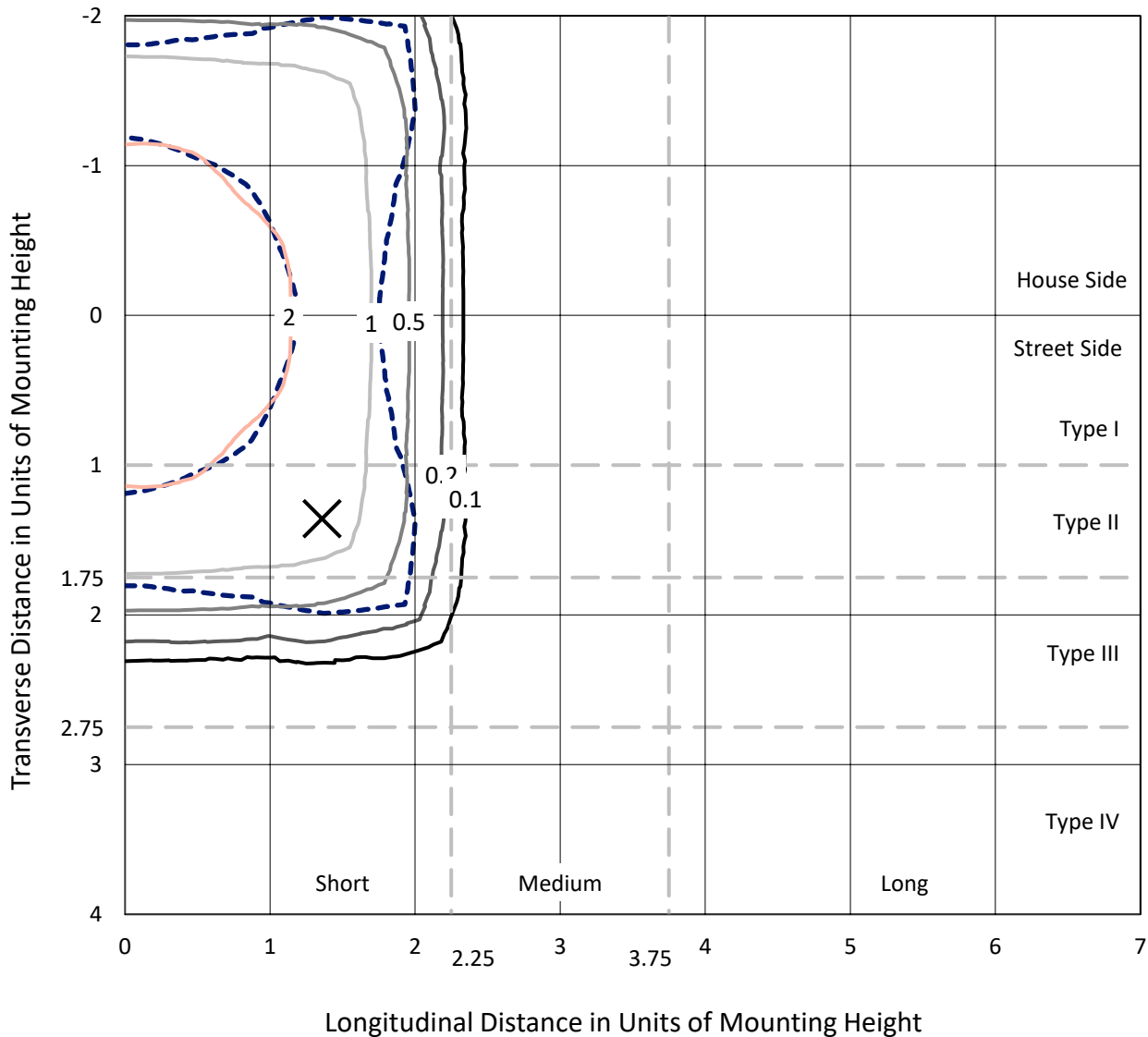
Lumens per Lamp: N/A  
Luminaire Lumens: 16300.5 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

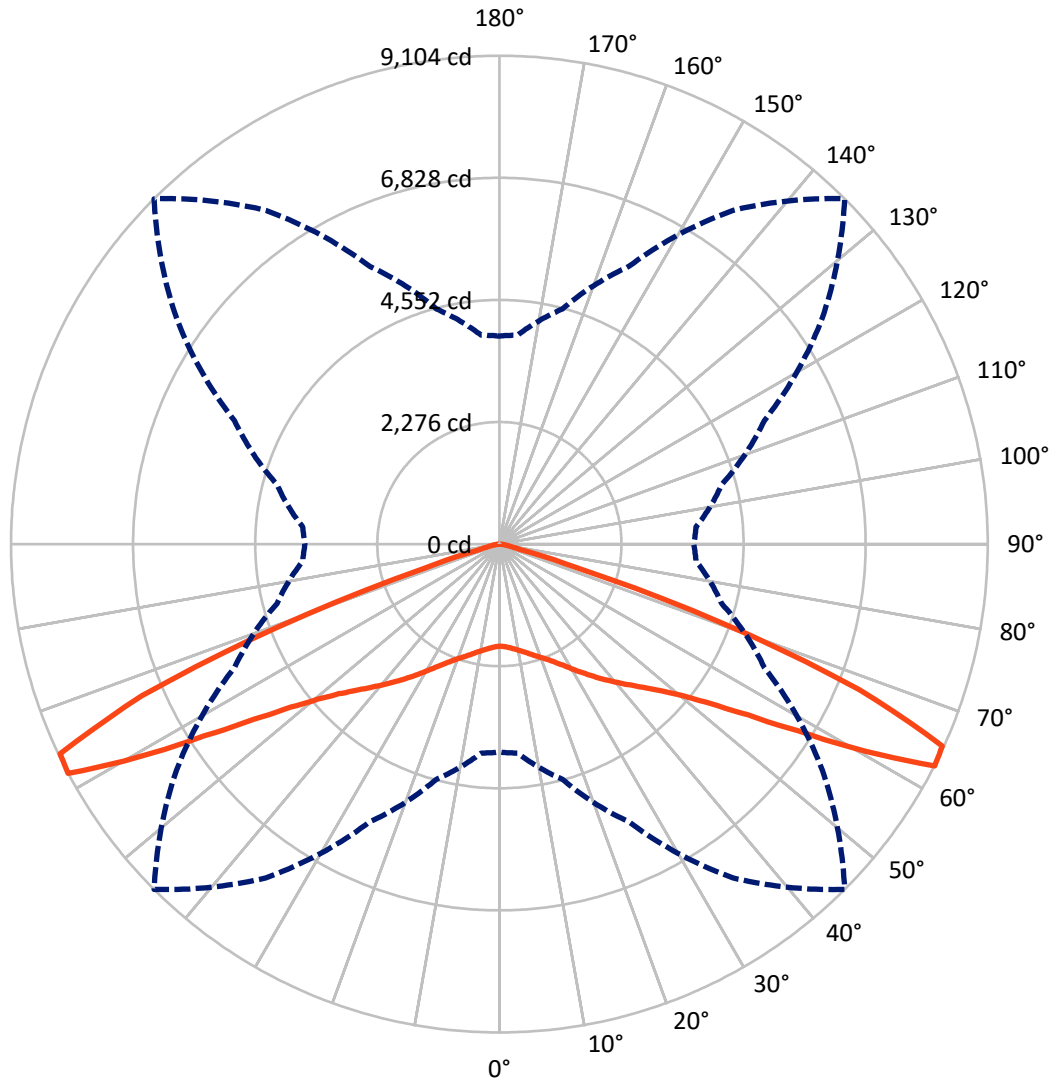
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8150.3	0.0	8150.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8150.3	0.0	8150.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16300.5	0.0	16300.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.6	1.1
10°-20°	601.7	3.7
20°-30°	1138.3	7.0
30°-40°	1916.0	11.8
40°-50°	3061.2	18.8
50°-60°	4934.4	30.3
60°-70°	4025.9	24.7
70°-80°	390.9	2.4
80°-90°	45.5	0.3
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°	16300.5	100.0
0°-180°	16300.5	100.0

**Coefficient of Utilization**



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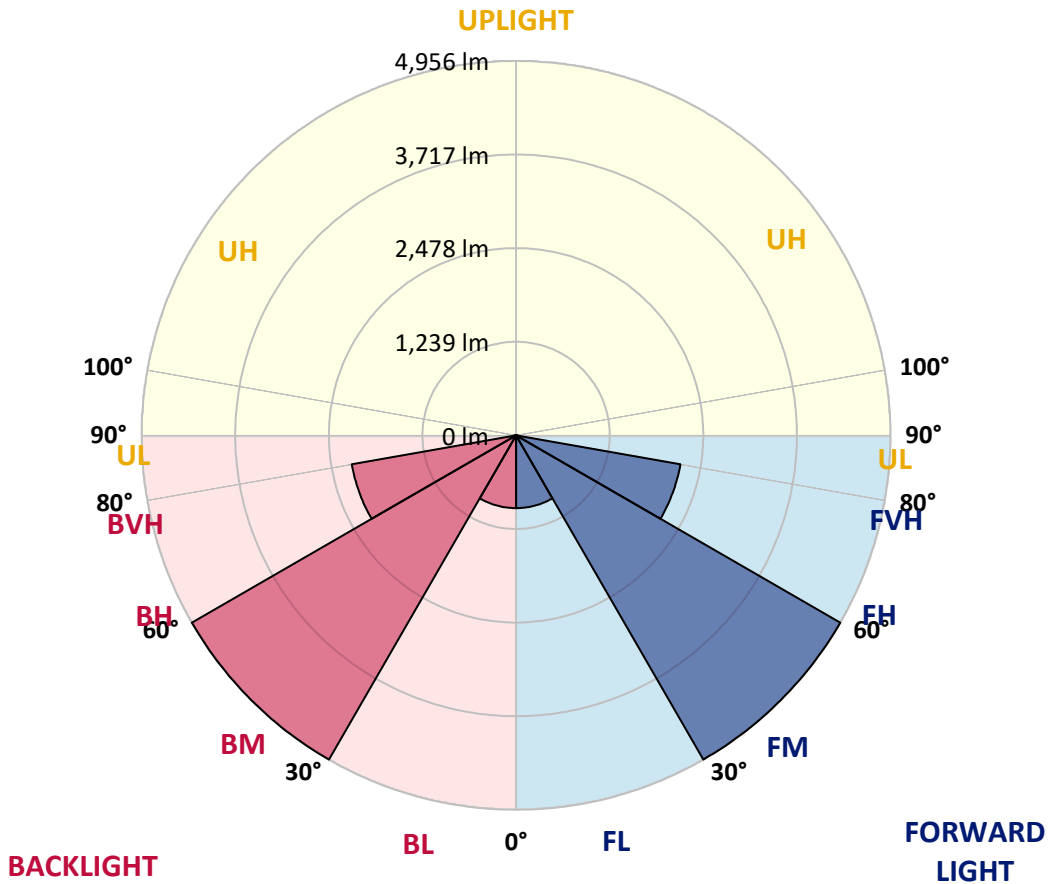
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.3	5.9			
FM (30°-60°)	4955.8	30.4			
FH (60°-80°)	2208.4	13.5			G2/5000
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	963.3	5.9	B2/1000		
BM (30°-60°)	4955.8	30.4	B3/5000		
BH (60°-80°)	2208.4	13.5	B3/2500		G2/5000
BVH (80°-90°)	22.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7	1901.7
2.5°	1899.4	1899.4	1903.9	1907.3	1905.0	1914.0	1912.9	1910.6	1909.5	1906.1	1916.2
5°	1925.2	1925.2	1928.5	1931.9	1926.3	1937.4	1933.0	1930.7	1929.6	1925.2	1934.1
7.5°	1954.2	1957.6	1958.7	1964.3	1960.9	1973.2	1969.9	1965.4	1963.2	1957.6	1965.4
10°	1986.6	1988.9	1990.0	2000.1	2001.2	2015.7	2012.4	2006.8	2002.3	1996.7	2007.9
12.5°	2030.2	2031.4	2034.7	2047.0	2050.4	2061.5	2060.4	2052.6	2047.0	2039.2	2051.5
15°	2086.1	2087.3	2092.8	2105.1	2110.7	2124.1	2119.7	2107.4	2099.6	2090.6	2100.7
17.5°	2144.3	2148.7	2154.3	2166.6	2174.5	2190.1	2184.5	2171.1	2164.4	2155.5	2162.2
20°	2219.2	2220.3	2223.6	2237.1	2242.7	2260.5	2261.7	2248.2	2244.9	2235.9	2246.0
22.5°	2301.9	2303.0	2306.4	2320.9	2331.0	2342.2	2348.9	2341.0	2335.4	2324.3	2336.6
25°	2393.6	2404.8	2408.1	2426.0	2437.2	2443.9	2451.7	2448.4	2440.5	2427.1	2432.7
27.5°	2522.1	2524.4	2530.0	2550.1	2556.8	2563.5	2571.3	2572.5	2561.3	2545.6	2553.5
30°	2668.6	2667.5	2679.8	2695.4	2701.0	2706.6	2717.8	2724.5	2710.0	2693.2	2701.0
32.5°	2818.4	2831.8	2847.5	2862.0	2858.7	2860.9	2878.8	2891.1	2871.0	2840.8	2847.5
35°	2987.2	2996.2	3016.3	3037.5	3033.1	3029.7	3040.9	3053.2	3025.2	2986.1	2996.2
37.5°	3160.5	3173.9	3204.1	3229.8	3223.1	3207.5	3219.8	3233.2	3206.3	3161.6	3157.2
40°	3353.9	3375.2	3418.8	3440.0	3422.1	3391.9	3413.2	3445.6	3418.8	3367.3	3355.0
42.5°	3580.9	3606.6	3650.2	3682.6	3643.5	3594.3	3630.1	3677.0	3670.3	3602.1	3580.9
45°	3861.5	3878.3	3931.9	3947.6	3889.4	3821.2	3886.1	3957.6	3940.9	3867.1	3839.1
47.5°	4166.7	4192.4	4239.4	4268.4	4174.5	4089.5	4180.1	4276.2	4258.4	4189.0	4156.6
50°	4555.7	4589.3	4650.8	4675.4	4545.7	4448.4	4564.7	4686.5	4651.9	4559.1	4516.6
52.5°	4979.5	5006.3	5111.4	5160.6	5038.7	4933.6	5035.4	5155.0	5081.2	4958.2	4901.2
55°	5352.9	5379.7	5534.0	5697.2	5691.6	5618.9	5670.4	5672.6	5472.5	5269.0	5208.6
57.5°	5433.4	5460.2	5754.2	6181.3	6483.1	6567.0	6416.1	6098.5	5594.3	5237.7	5169.5
60°	5004.0	5034.2	5501.5	6281.9	7274.7	7834.8	7139.4	6089.6	5217.6	4734.6	4669.8
62.5°	3877.1	3909.6	4537.9	5709.5	7594.4	9103.7	7349.6	5449.0	4291.9	3680.4	3623.4
65°	1851.4	1851.4	2649.6	4095.1	6957.1	9073.5	6741.4	4031.4	2583.6	1984.4	1935.2
67.5°	458.4	460.6	682.0	1594.2	4732.4	7241.1	4809.5	1935.2	910.0	644.0	627.2
70°	286.2	285.1	316.4	431.5	1655.7	4394.8	1966.5	583.6	370.0	326.4	324.2
72.5°	222.5	222.5	238.1	276.1	433.8	1497.0	573.5	324.2	268.3	241.5	241.5
75°	175.5	175.5	186.7	206.8	256.0	385.7	305.2	240.4	207.9	190.1	187.8
77.5°	130.8	133.0	142.0	155.4	174.4	216.9	193.4	181.1	162.1	148.7	144.2
80°	85.0	88.3	99.5	107.3	114.0	143.1	126.3	131.9	123.0	107.3	105.1
82.5°	45.8	47.0	60.4	62.6	64.8	78.3	80.5	83.8	87.2	68.2	63.7
85°	16.8	16.8	20.1	23.5	25.7	27.9	38.0	47.0	49.2	39.1	38.0
87.5°	3.4	3.4	3.4	2.2	2.2	2.2	6.7	12.3	20.1	15.7	15.7
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)