

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: P641481

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641481  
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-SA6B-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

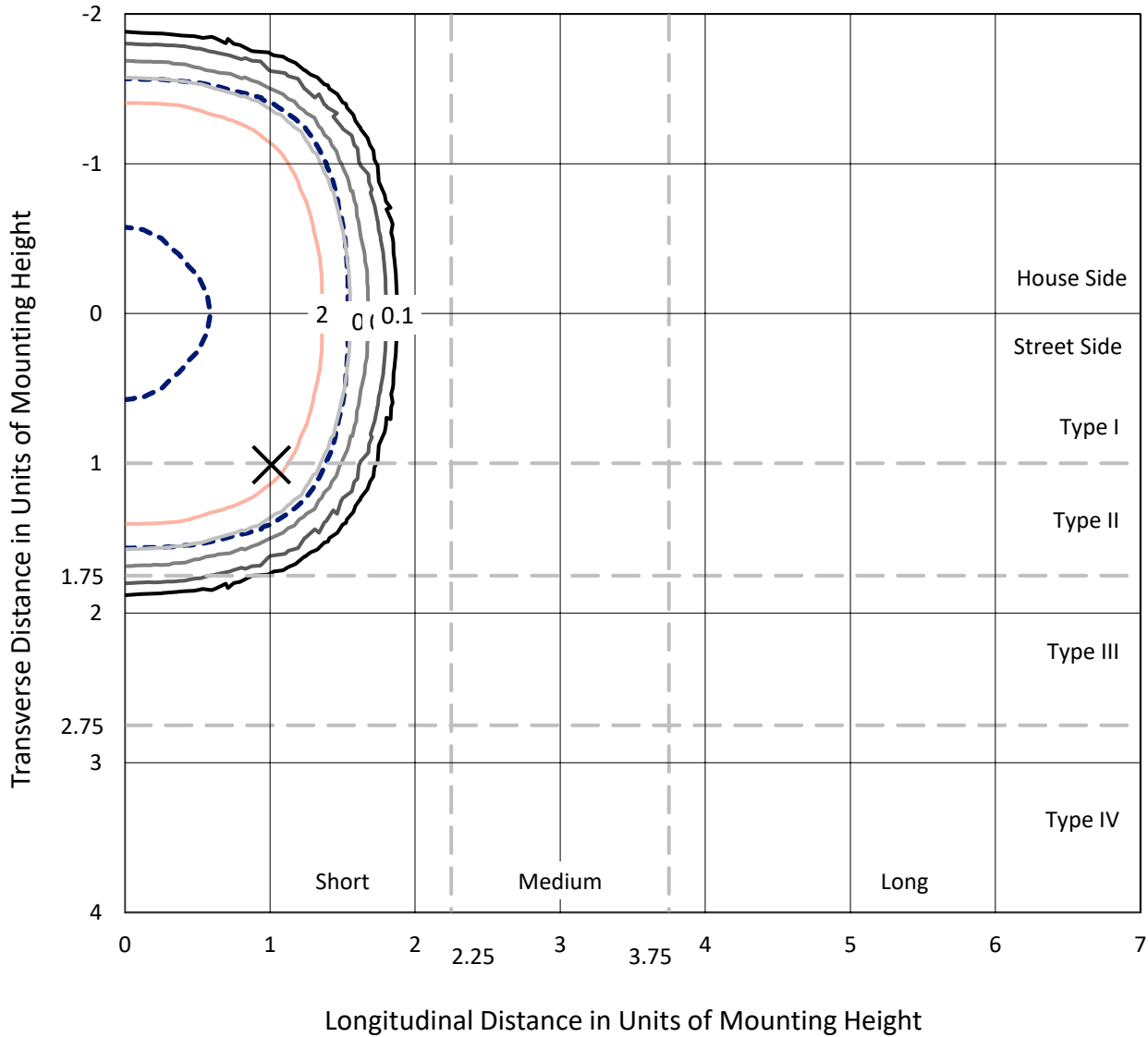
Lumens per Lamp: N/A  
Luminaire Lumens: 10974.3 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

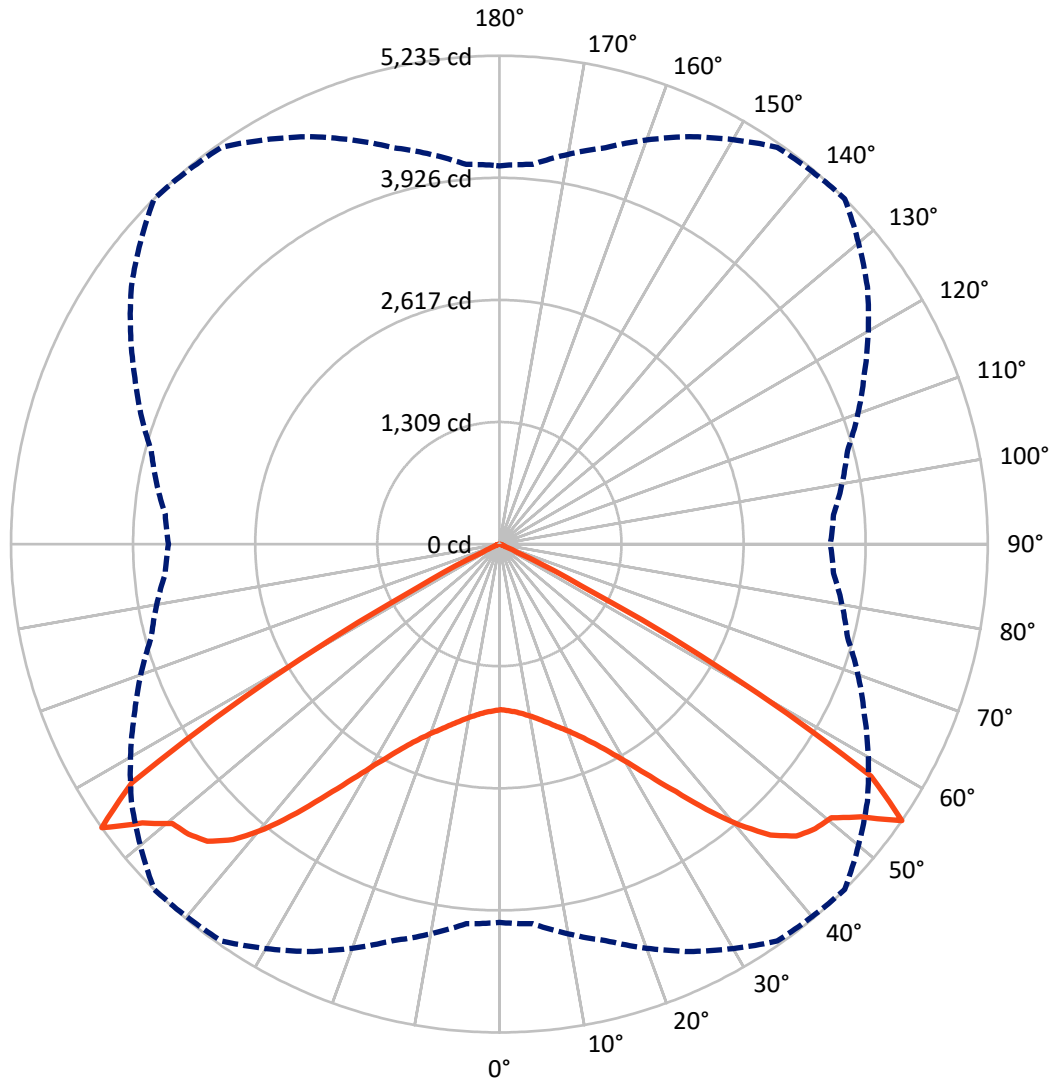
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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	5487.2	0.0	5487.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5487.2	0.0	5487.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10974.3	0.0	10974.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.8	1.6
10°-20°	563.5	5.1
20°-30°	1091.4	9.9
30°-40°	1955.2	17.8
40°-50°	3278.0	29.9
50°-60°	3509.0	32.0
60°-70°	385.6	3.5
70°-80°	17.0	0.2
80°-90°	0.8	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°	10974.3	100.0
0°-180°	10974.3	100.0

**Coefficient of Utilization**



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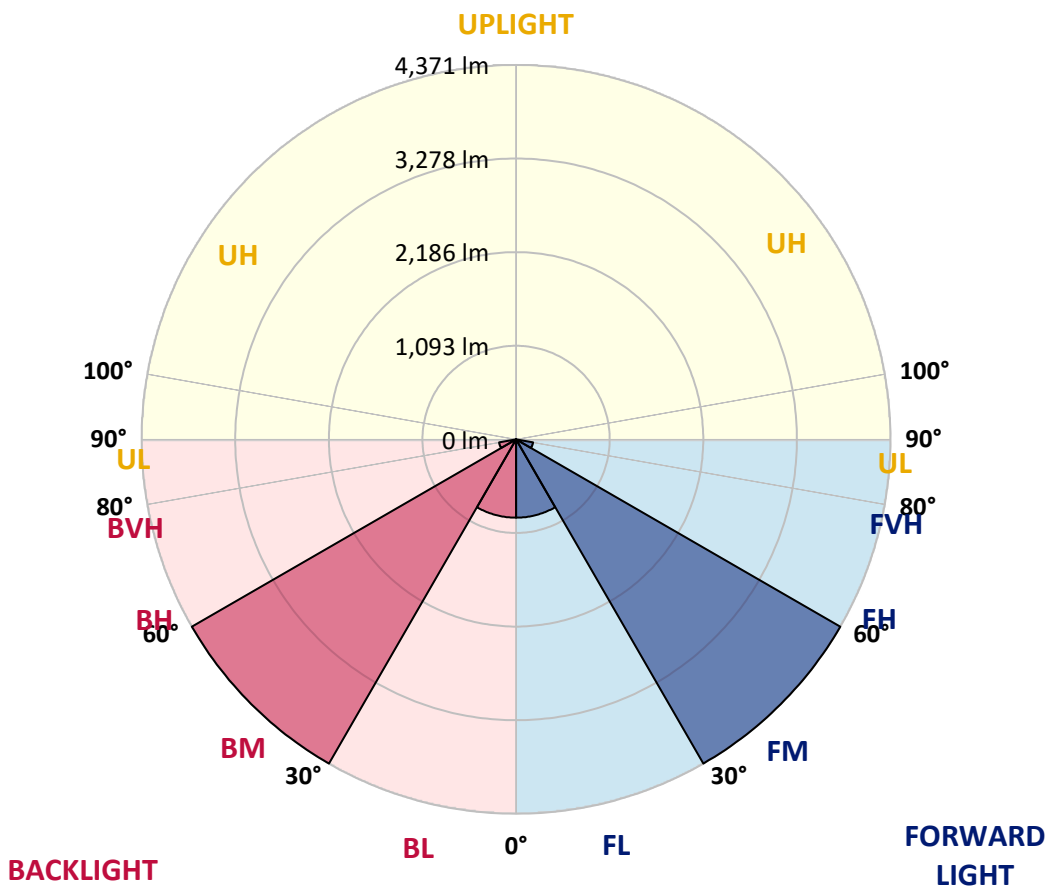
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	914.4	8.3			
FM (30°-60°)	4371.1	39.8			
FH (60°-80°)	201.3	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	914.4	8.3	B2/1000		
BM (30°-60°)	4371.1	39.8	B3/5000		
BH (60°-80°)	201.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3	1774.3
2.5°	1771.0	1771.0	1775.5	1778.8	1778.8	1787.7	1784.4	1781.0	1781.0	1776.6	1785.5
5°	1796.7	1795.6	1800.0	1802.3	1797.8	1806.8	1801.2	1797.8	1795.6	1791.1	1800.0
7.5°	1824.6	1825.8	1826.9	1831.4	1829.1	1838.1	1833.6	1826.9	1824.6	1817.9	1826.9
10°	1858.2	1858.2	1860.4	1866.0	1867.1	1878.3	1873.8	1866.0	1859.3	1852.6	1861.5
12.5°	1900.7	1901.8	1905.1	1913.0	1917.4	1929.7	1923.0	1907.4	1897.3	1889.5	1899.6
15°	1962.2	1961.0	1965.5	1976.7	1982.3	1991.2	1981.2	1959.9	1947.6	1938.7	1945.4
17.5°	2029.2	2029.2	2031.5	2042.7	2050.5	2063.9	2051.6	2025.9	2014.7	2002.4	2009.1
20°	2103.0	2106.4	2108.6	2116.5	2129.9	2143.3	2133.2	2107.5	2095.2	2079.6	2087.4
22.5°	2200.3	2197.0	2198.1	2211.5	2230.5	2243.9	2236.1	2205.9	2184.7	2172.4	2176.8
25°	2308.8	2307.6	2311.0	2331.1	2352.4	2366.9	2355.7	2316.6	2295.3	2274.1	2283.0
27.5°	2441.8	2442.9	2445.2	2469.8	2503.3	2524.5	2496.6	2457.5	2428.4	2400.4	2407.1
30°	2599.4	2597.2	2603.9	2637.5	2686.7	2720.2	2687.8	2633.0	2591.6	2564.8	2568.1
32.5°	2767.2	2769.4	2787.3	2840.9	2905.8	2965.0	2899.1	2826.4	2772.7	2722.4	2729.1
35°	2948.3	2953.9	2994.1	3073.5	3179.7	3259.1	3167.4	3047.8	2971.8	2906.9	2909.1
37.5°	3161.8	3175.2	3231.1	3349.7	3501.7	3607.9	3473.8	3315.0	3216.6	3136.1	3130.5
40°	3442.5	3458.1	3534.1	3675.0	3859.5	3956.8	3801.3	3638.1	3516.2	3429.0	3415.6
42.5°	3764.4	3784.6	3867.3	4011.5	4196.0	4262.0	4109.9	3972.4	3862.8	3760.0	3755.5
45°	4127.8	4139.0	4206.1	4316.8	4449.8	4465.5	4351.4	4275.4	4164.7	4068.6	4060.7
47.5°	4468.8	4480.0	4525.8	4582.9	4614.2	4558.3	4538.1	4504.6	4361.5	4243.0	4218.4
50°	4728.2	4737.1	4794.2	4816.5	4729.3	4610.8	4649.9	4578.4	4423.0	4289.9	4251.9
52.5°	4710.3	4732.7	4879.1	5006.6	4951.8	4855.7	4750.6	4596.3	4354.8	4172.5	4125.6
55°	4055.1	4085.3	4399.5	4818.8	5193.3	5234.7	4814.3	4316.8	3862.8	3595.6	3547.5
57.5°	2606.2	2614.0	2997.5	3585.6	4429.7	4695.8	3992.5	3254.6	2690.0	2396.0	2375.8
60°	958.2	942.5	1232.1	1719.5	2551.4	2833.1	2350.1	1645.8	1173.9	966.0	949.2
62.5°	230.3	232.6	288.5	432.7	800.5	990.6	782.6	437.2	278.4	233.7	231.4
65°	116.3	114.0	115.2	124.1	171.1	204.6	167.7	118.5	114.0	115.2	114.0
67.5°	74.9	73.8	76.0	77.1	76.0	71.6	70.4	72.7	72.7	73.8	71.6
70°	45.8	44.7	47.0	50.3	48.1	42.5	44.7	47.0	44.7	43.6	43.6
72.5°	24.6	24.6	26.8	29.1	26.8	24.6	24.6	25.7	24.6	24.6	24.6
75°	11.2	11.2	12.3	13.4	11.2	11.2	11.2	11.2	11.2	11.2	11.2
77.5°	3.4	3.4	4.5	4.5	3.4	3.4	3.4	3.4	4.5	4.5	4.5
80°	1.1	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)