

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: P636529

Luminaire Tested: GWS-SA4B-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636529  
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-SA4B-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9335.2 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
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

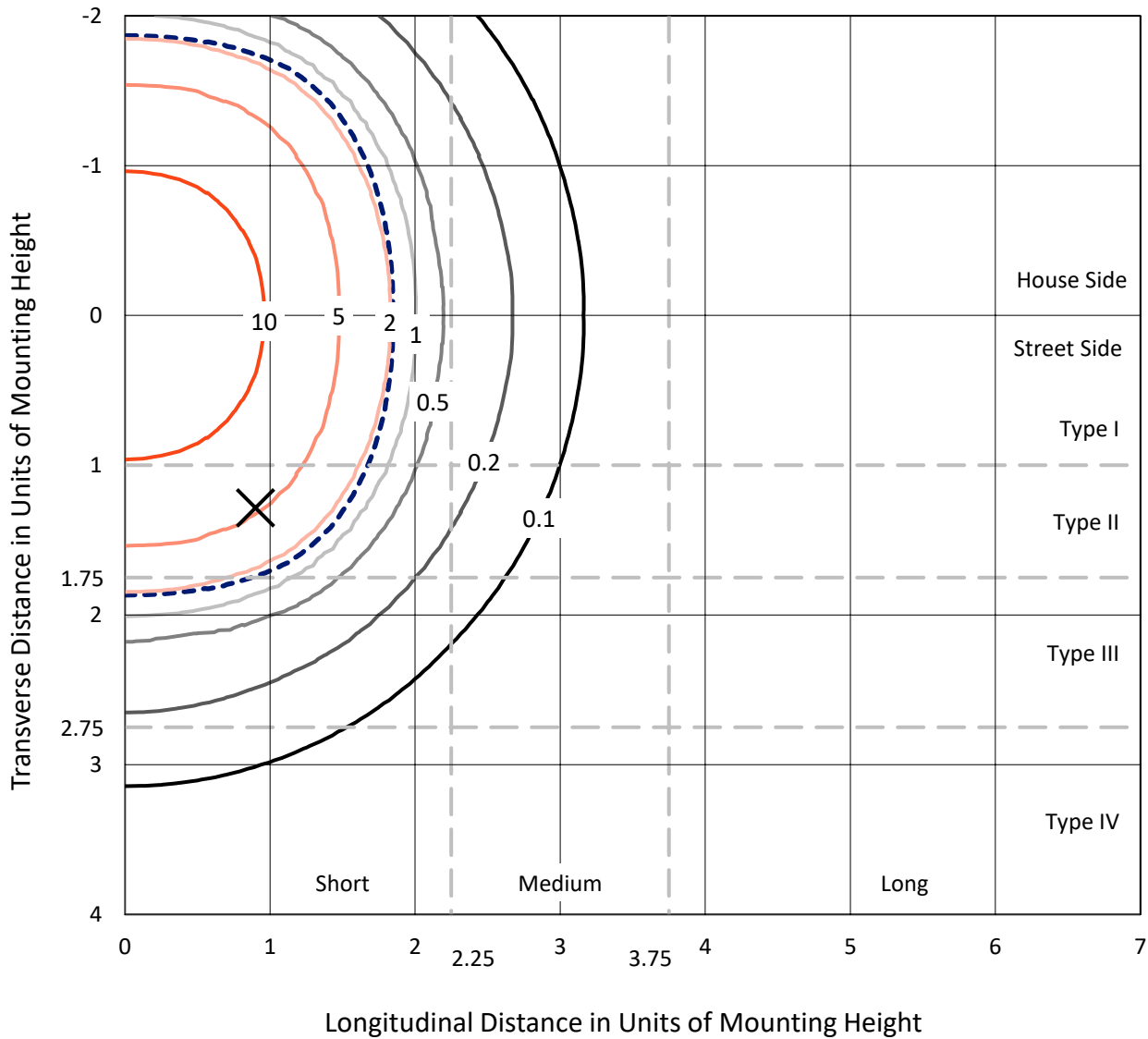


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### Iso-Footcandle Lines of Horizontal Illumination

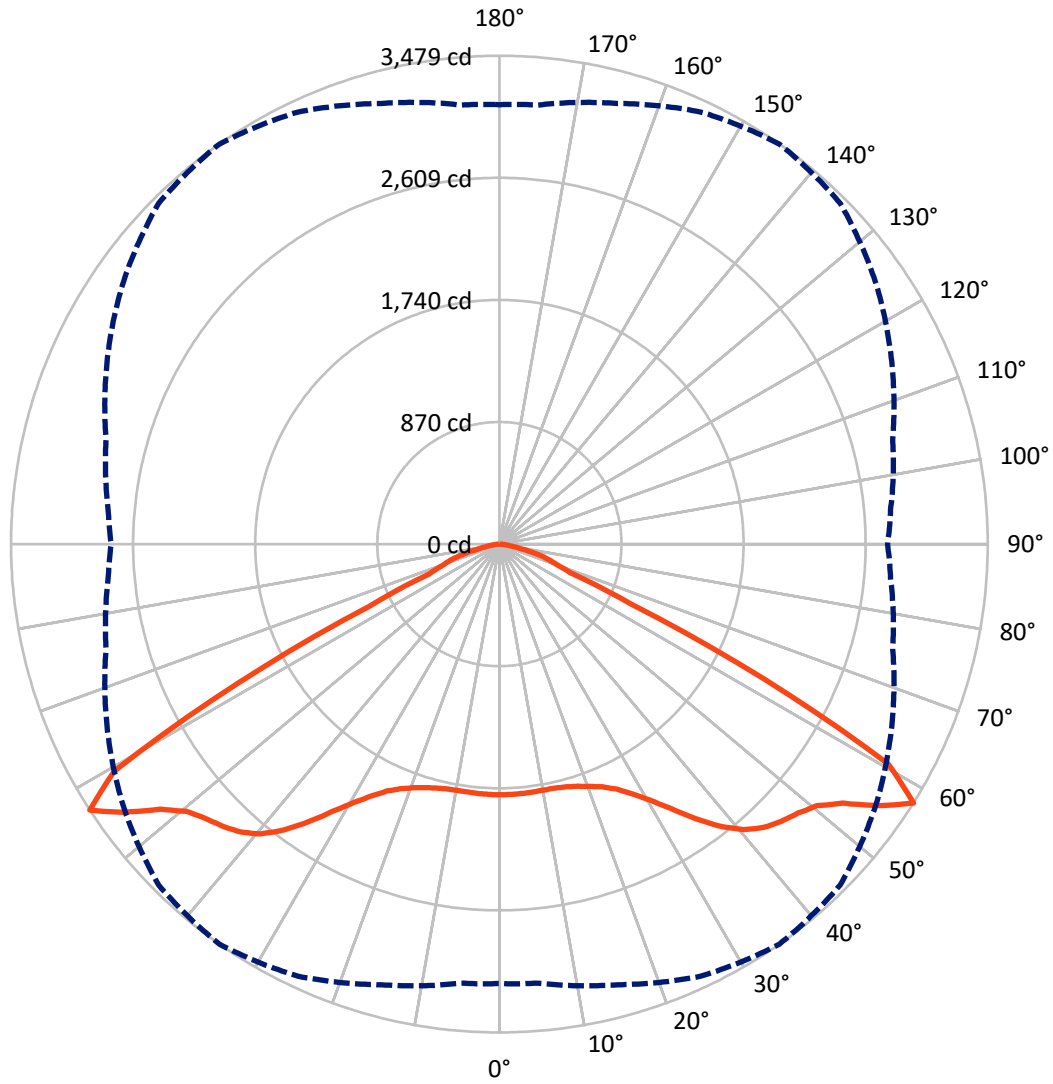
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 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	4667.6	0.0	4667.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4667.6	0.0	4667.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9335.2	0.0	9335.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.9	1.8
10°-20°	507.0	5.4
20°-30°	884.6	9.5
30°-40°	1450.5	15.5
40°-50°	2136.2	22.9
50°-60°	2726.2	29.2
60°-70°	1148.9	12.3
70°-80°	274.5	2.9
80°-90°	37.4	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°	9335.2	100.0
0°-180°	9335.2	100.0

**Coefficient of Utilization**



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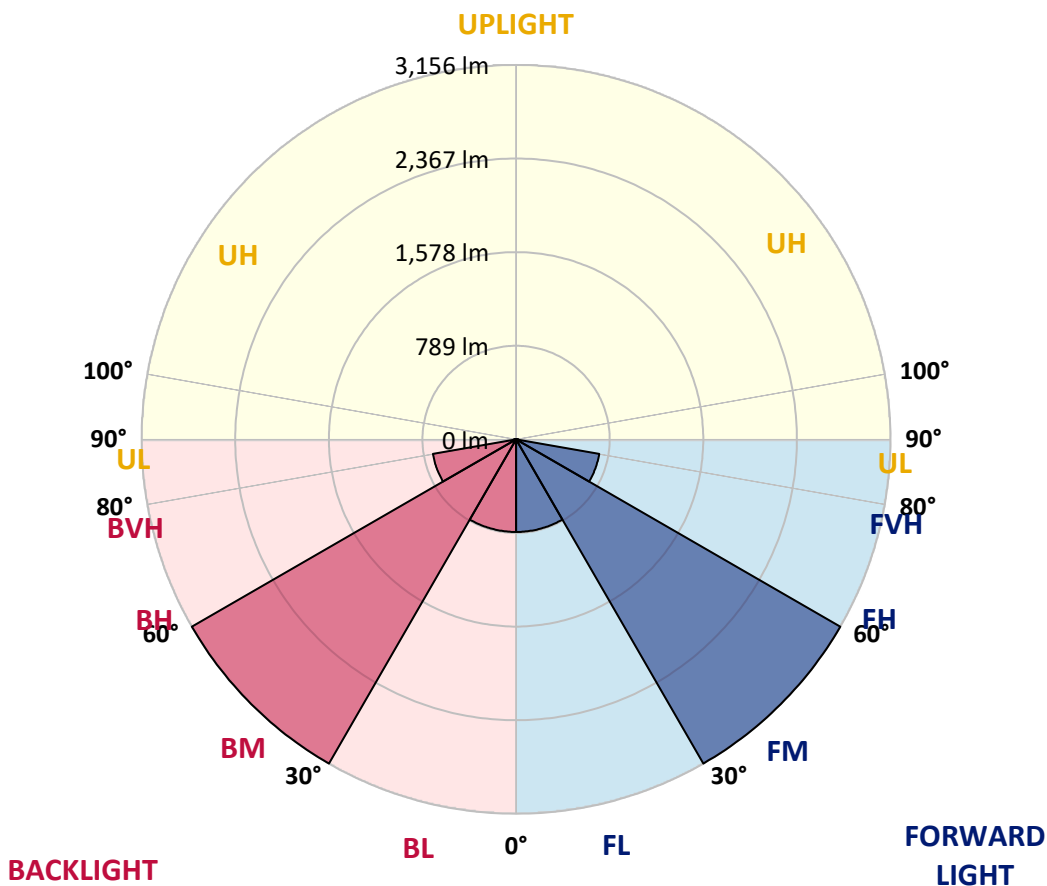
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	780.7	8.4			
FM (30°-60°)	3156.5	33.8			
FH (60°-80°)	711.7	7.6			G1/1800
FVH (80°-90°)	18.7	0.2			G1/100
BL (0°-30°)	780.7	8.4	B2/1000		
BM (30°-60°)	3156.5	33.8	B3/5000		
BH (60°-80°)	711.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	18.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2	1786.2
2.5°	1775.5	1775.5	1779.3	1783.1	1784.7	1791.5	1790.8	1788.5	1786.9	1782.4	1788.5
5°	1779.3	1779.3	1782.4	1784.7	1783.9	1789.2	1786.9	1783.1	1780.8	1776.2	1783.1
7.5°	1778.5	1778.5	1780.8	1783.1	1781.6	1786.2	1782.4	1777.0	1773.2	1768.6	1774.7
10°	1768.6	1770.1	1772.4	1777.8	1780.1	1786.9	1781.6	1773.2	1767.1	1761.7	1767.8
12.5°	1767.1	1768.6	1771.7	1778.5	1782.4	1792.3	1785.4	1771.7	1762.5	1755.6	1761.7
15°	1774.0	1775.5	1780.1	1788.5	1794.6	1805.3	1795.4	1776.2	1763.3	1754.1	1759.4
17.5°	1782.4	1784.7	1791.5	1803.8	1813.7	1825.2	1812.9	1790.0	1771.7	1759.4	1764.0
20°	1791.5	1794.6	1805.3	1823.6	1842.0	1856.5	1841.2	1810.6	1788.5	1772.4	1777.0
22.5°	1807.6	1811.4	1825.2	1851.1	1878.7	1900.1	1881.0	1839.7	1810.6	1790.0	1793.8
25°	1840.4	1845.0	1862.6	1894.0	1932.9	1958.9	1932.2	1885.5	1845.0	1819.8	1823.6
27.5°	1898.5	1900.8	1923.8	1965.0	2013.2	2043.0	2010.9	1955.9	1910.8	1881.7	1884.8
30°	1975.0	1981.8	2004.8	2059.0	2116.4	2156.1	2114.1	2049.1	1997.1	1962.0	1965.0
32.5°	2068.2	2072.8	2107.2	2163.8	2246.3	2292.2	2234.8	2157.6	2095.0	2052.2	2055.2
35°	2190.5	2194.3	2227.2	2299.0	2399.2	2442.0	2376.2	2287.6	2215.0	2174.5	2185.9
37.5°	2336.5	2343.4	2367.1	2438.1	2549.7	2591.8	2516.1	2433.6	2357.9	2320.4	2328.8
40°	2493.2	2492.4	2511.5	2574.2	2675.8	2701.8	2633.8	2568.1	2503.1	2478.6	2492.4
42.5°	2627.7	2623.9	2637.6	2689.6	2759.9	2762.2	2717.1	2680.4	2634.6	2617.7	2630.7
45°	2721.7	2723.2	2743.9	2779.8	2815.7	2796.6	2782.8	2776.7	2740.8	2717.9	2720.2
47.5°	2795.8	2801.9	2834.8	2859.3	2863.9	2831.8	2850.9	2860.0	2830.2	2795.1	2785.1
50°	2861.6	2871.5	2914.3	2940.3	2930.4	2889.8	2927.3	2941.1	2875.3	2808.1	2788.2
52.5°	2980.8	2992.3	3044.2	3077.9	3066.4	3025.9	3061.0	3012.1	2901.3	2818.8	2793.5
55°	3171.1	3176.5	3239.9	3294.9	3289.6	3239.9	3211.6	3103.1	2968.6	2883.0	2859.3
57.5°	3130.6	3139.8	3249.8	3396.6	3479.1	3434.0	3268.2	3083.2	2900.5	2797.4	2765.3
60°	2463.4	2485.5	2622.3	2880.7	3183.3	3182.6	2874.6	2587.2	2367.1	2230.2	2216.5
62.5°	1438.4	1453.7	1578.3	1839.7	2111.0	2127.8	1911.5	1714.3	1521.7	1429.3	1384.9
65°	681.0	680.2	729.9	847.6	1031.0	1045.6	980.6	872.8	759.0	727.6	719.2
67.5°	502.9	502.9	499.1	507.5	542.7	550.3	542.7	525.1	514.4	521.3	516.7
70°	436.4	437.2	432.6	430.3	430.3	428.0	431.1	437.9	442.5	451.7	447.1
72.5°	353.9	354.6	354.6	355.4	356.2	353.1	357.7	361.5	362.3	365.3	362.3
75°	251.5	253.0	257.6	261.4	264.4	264.4	266.0	266.7	263.7	267.5	261.4
77.5°	138.3	139.9	148.3	155.2	162.0	162.8	165.1	166.6	165.1	168.1	163.6
80°	76.4	78.0	81.8	84.8	90.2	94.8	97.8	99.4	99.4	101.7	99.4
82.5°	43.6	45.1	47.4	48.9	53.5	57.3	60.4	62.7	62.7	63.4	61.9
85°	20.6	20.6	22.2	23.7	26.0	27.5	31.3	33.6	33.6	35.2	33.6
87.5°	3.1	3.8	4.6	4.6	6.1	7.6	9.2	9.9	11.5	12.2	12.2
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)