

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: P633067

Luminaire Tested: GWS-SA2E-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

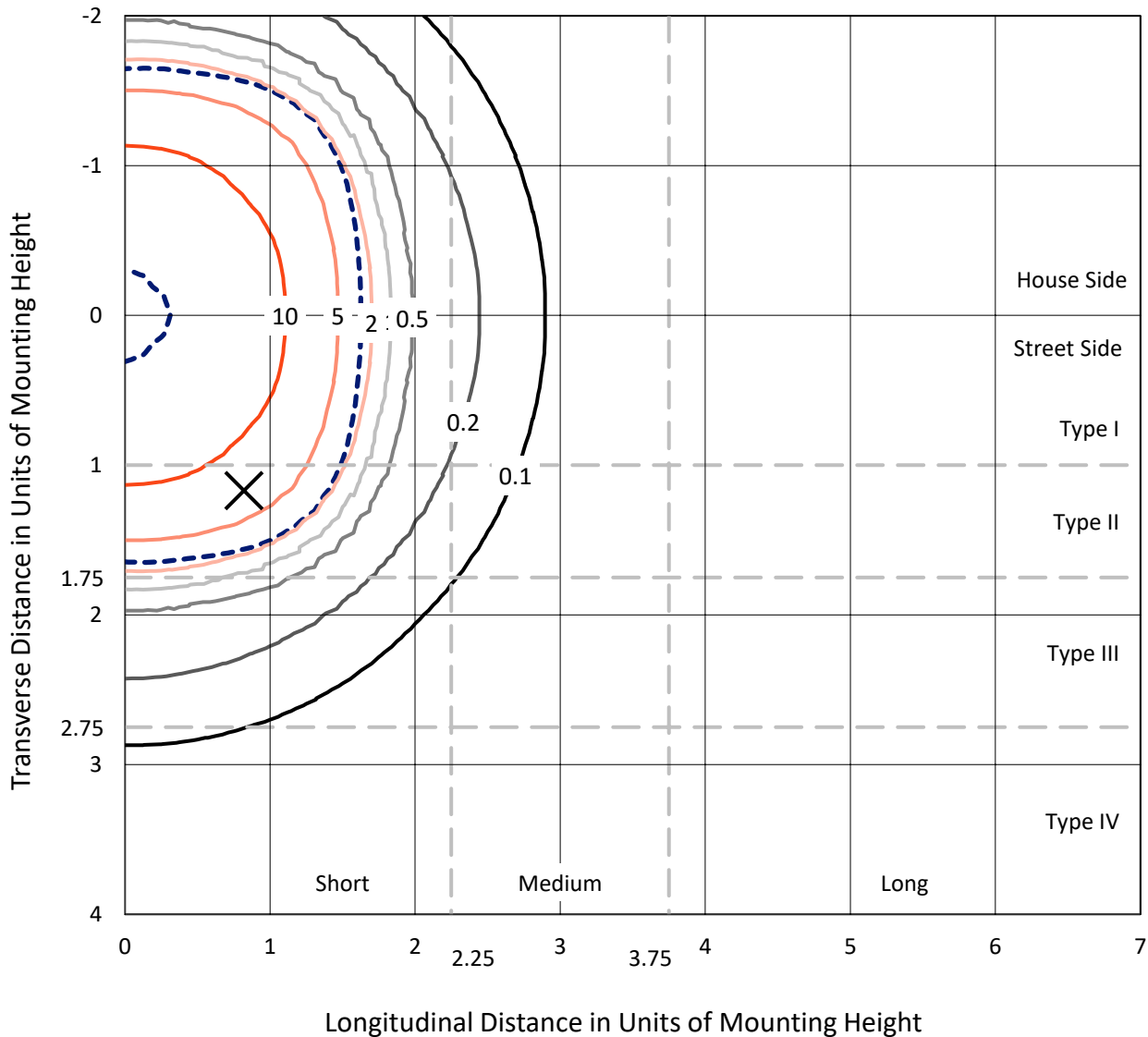
Lumens per Lamp: N/A  
Luminaire Lumens: 9743.4 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

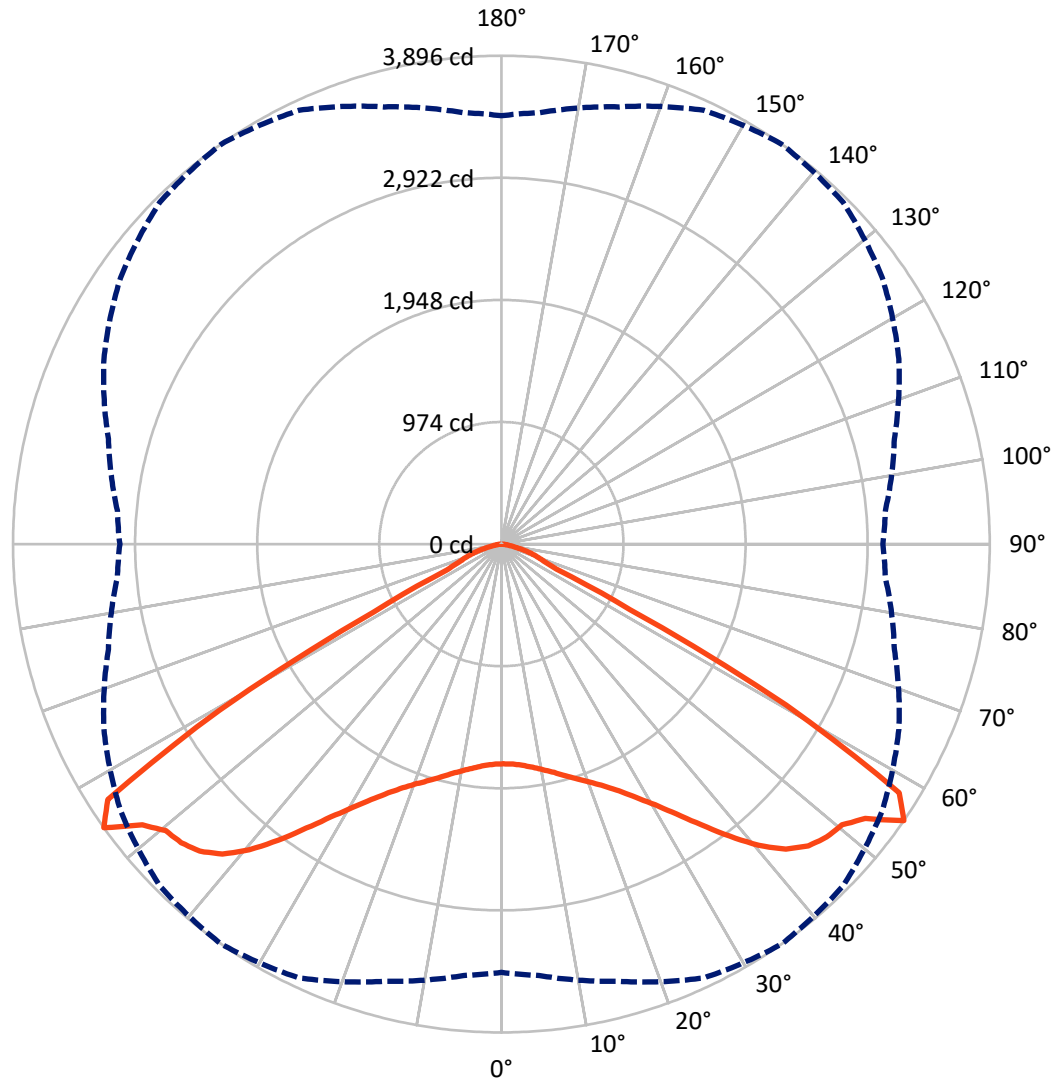
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4871.7	0.0	4871.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4871.7	0.0	4871.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9743.4	0.0	9743.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.0	1.8
10°-20°	544.3	5.6
20°-30°	1007.4	10.3
30°-40°	1685.3	17.3
40°-50°	2568.1	26.4
50°-60°	2876.8	29.5
60°-70°	680.7	7.0
70°-80°	183.5	1.9
80°-90°	26.4	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°	9743.4	100.0
0°-180°	9743.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633067

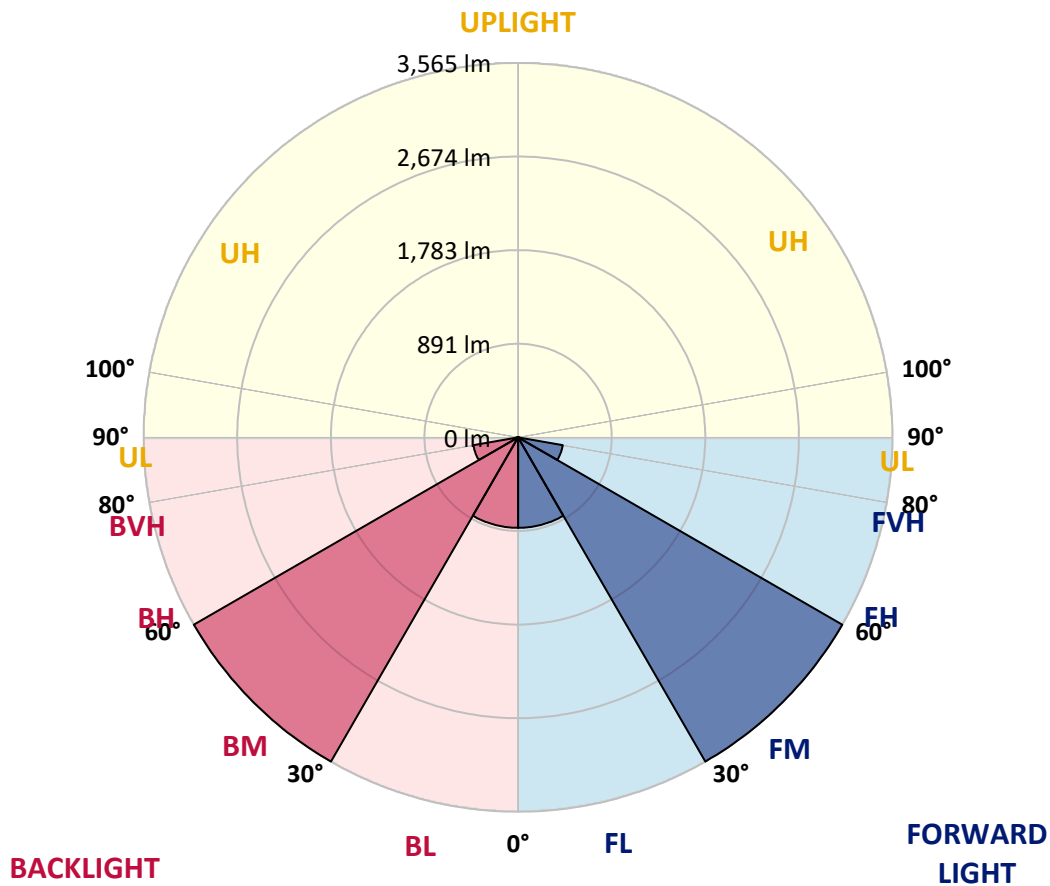
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	861.4	8.8			
FM (30°-60°)	3565.0	36.6			
FH (60°-80°)	432.1	4.4			G0/660
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	861.4	8.8	B2/1000		
BM (30°-60°)	3565.0	36.6	B3/5000		
BH (60°-80°)	432.1	4.4	B1/500		G0/660
BVH (80°-90°)	13.2	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9	1752.9
2.5°	1749.0	1749.0	1752.1	1755.9	1756.7	1764.4	1762.9	1759.8	1758.3	1755.2	1762.1
5°	1768.3	1769.0	1771.4	1773.7	1772.1	1778.3	1776.0	1772.1	1769.8	1766.0	1772.9
7.5°	1793.7	1793.7	1796.0	1799.1	1797.6	1806.8	1802.2	1796.8	1792.9	1788.3	1794.5
10°	1816.8	1818.4	1820.7	1826.8	1829.9	1839.9	1836.8	1829.1	1823.0	1817.6	1824.5
12.5°	1851.5	1853.0	1855.3	1863.8	1869.2	1879.2	1874.6	1863.8	1854.6	1846.9	1854.6
15°	1896.2	1894.6	1900.8	1911.6	1918.5	1927.8	1922.4	1903.9	1891.6	1881.5	1889.2
17.5°	1941.6	1940.9	1947.0	1960.9	1970.9	1983.2	1974.0	1952.4	1939.3	1927.0	1934.7
20°	1990.9	1993.3	1999.4	2012.5	2027.2	2043.3	2035.6	2012.5	1997.9	1984.0	1990.2
22.5°	2051.8	2052.6	2059.5	2076.5	2095.7	2111.1	2106.5	2078.0	2059.5	2044.9	2052.6
25°	2125.0	2124.2	2133.5	2153.5	2180.5	2195.9	2185.9	2154.3	2134.3	2117.3	2123.5
27.5°	2209.0	2208.2	2222.1	2248.3	2286.8	2308.4	2287.6	2248.3	2220.6	2196.7	2202.1
30°	2314.6	2312.2	2327.6	2363.1	2413.2	2449.4	2418.6	2363.9	2327.6	2302.2	2307.6
32.5°	2431.7	2434.7	2454.0	2501.8	2565.0	2612.0	2565.7	2504.9	2456.3	2419.3	2425.5
35°	2560.3	2560.3	2599.6	2659.0	2749.1	2811.5	2739.9	2652.0	2587.3	2536.5	2538.0
37.5°	2703.6	2705.2	2756.8	2838.5	2956.4	3029.6	2932.5	2823.8	2745.3	2690.5	2687.5
40°	2878.5	2883.2	2936.3	3027.3	3159.8	3226.8	3122.8	3016.5	2936.3	2871.6	2865.5
42.5°	3075.8	3077.3	3133.6	3215.3	3327.0	3367.0	3285.4	3198.3	3132.8	3074.3	3068.1
45°	3263.8	3259.9	3308.5	3369.4	3434.1	3437.9	3392.5	3357.0	3300.0	3249.9	3240.7
47.5°	3410.2	3407.1	3451.0	3484.2	3491.9	3454.1	3468.7	3474.1	3407.9	3340.1	3322.4
50°	3499.6	3505.7	3547.3	3565.8	3520.4	3458.7	3514.2	3500.3	3405.6	3317.0	3288.4
52.5°	3553.5	3562.7	3635.2	3682.2	3635.2	3576.6	3584.3	3502.6	3366.3	3249.2	3212.2
55°	3417.1	3454.1	3610.5	3818.5	3895.6	3854.8	3708.4	3498.0	3245.3	3075.0	3043.4
57.5°	2532.6	2591.2	2823.1	3273.8	3742.3	3891.0	3463.4	2932.5	2549.6	2330.7	2312.2
60°	1292.9	1358.4	1544.1	2007.1	2609.6	2819.2	2412.4	1877.7	1492.4	1315.2	1295.2
62.5°	527.8	538.6	599.4	778.2	1153.4	1330.6	1168.8	820.6	616.4	567.9	568.6
65°	415.3	417.6	414.5	425.3	483.1	536.3	495.4	435.3	424.5	429.9	426.1
67.5°	362.1	362.9	360.6	360.6	362.9	360.6	365.2	367.5	369.1	375.2	371.4
70°	302.8	303.6	303.6	305.1	304.3	300.5	307.4	310.5	311.3	315.1	312.8
72.5°	234.2	236.5	238.1	238.9	238.1	235.8	239.6	245.0	244.2	248.1	244.2
75°	158.7	161.8	163.3	166.4	165.7	165.7	170.3	172.6	170.3	173.4	170.3
77.5°	90.1	92.5	97.1	100.2	103.2	105.6	108.6	110.2	109.4	111.0	109.4
80°	52.4	53.2	57.0	58.6	62.4	66.3	69.3	70.9	71.7	72.4	71.7
82.5°	30.0	30.8	32.4	33.9	37.0	40.1	43.1	45.5	45.5	46.2	45.5
85°	14.6	14.6	15.4	16.2	17.7	20.0	22.3	24.7	25.4	25.4	25.4
87.5°	2.3	2.3	3.1	3.1	3.9	4.6	6.2	7.7	8.5	8.5	8.5
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)