

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: P636969

Luminaire Tested: GWS-SA4B-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636969  
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-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

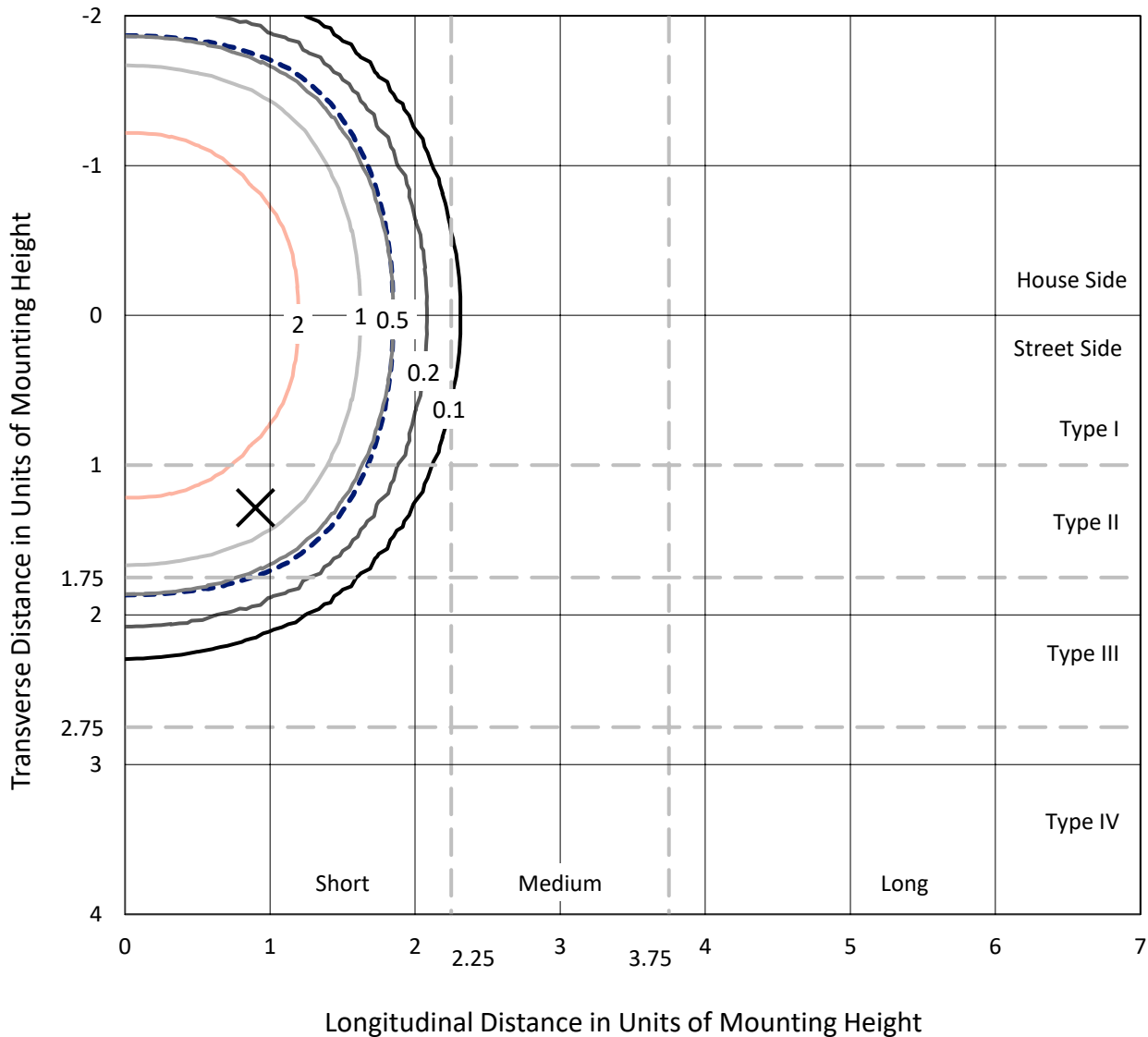
Lumens per Lamp: N/A  
Luminaire Lumens: 10067.7 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

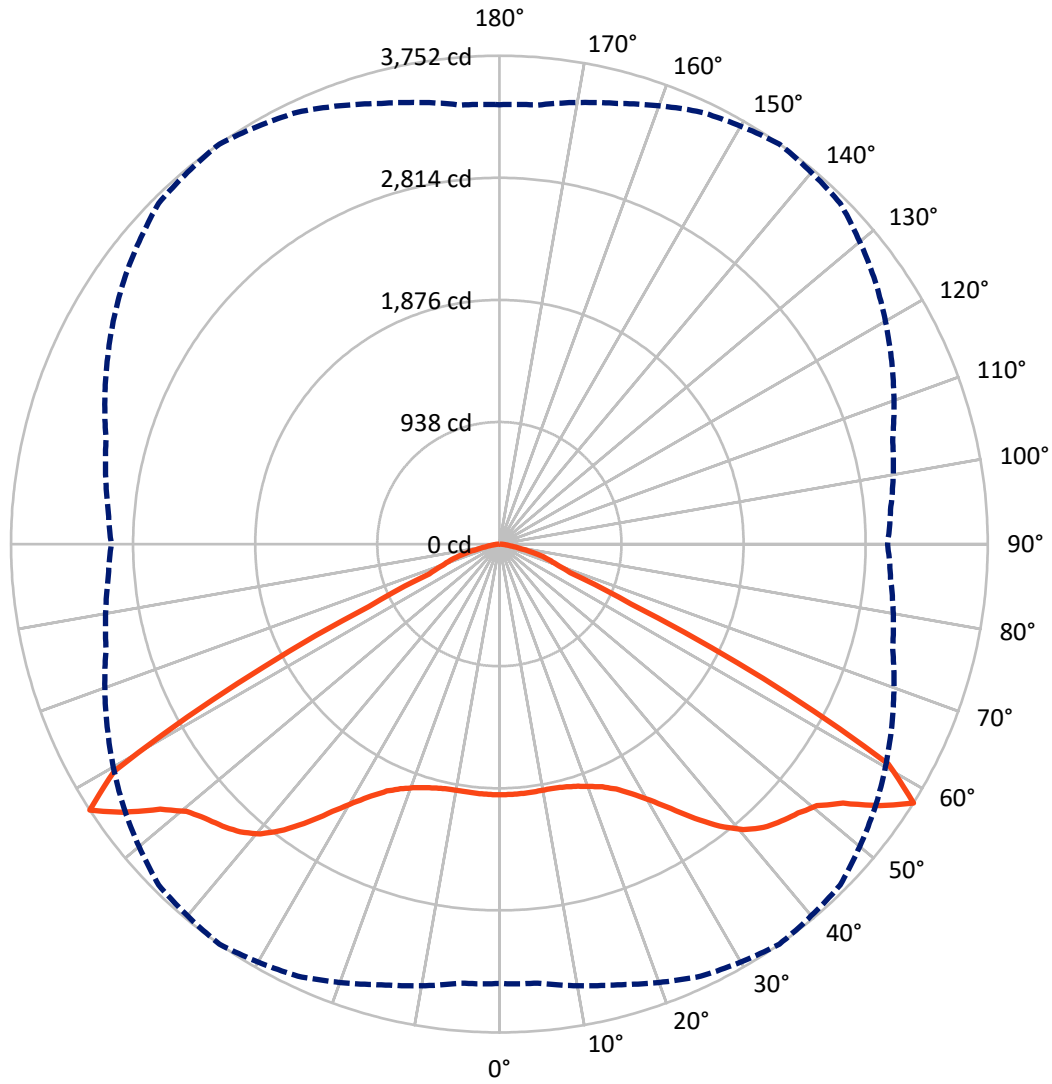
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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	5033.8	0.0	5033.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5033.8	0.0	5033.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10067.7	0.0	10067.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.3	1.8
10°-20°	546.8	5.4
20°-30°	954.0	9.5
30°-40°	1564.3	15.5
40°-50°	2303.9	22.9
50°-60°	2940.1	29.2
60°-70°	1239.1	12.3
70°-80°	296.0	2.9
80°-90°	40.3	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°	10067.7	100.0
0°-180°	10067.7	100.0

**Coefficient of Utilization**



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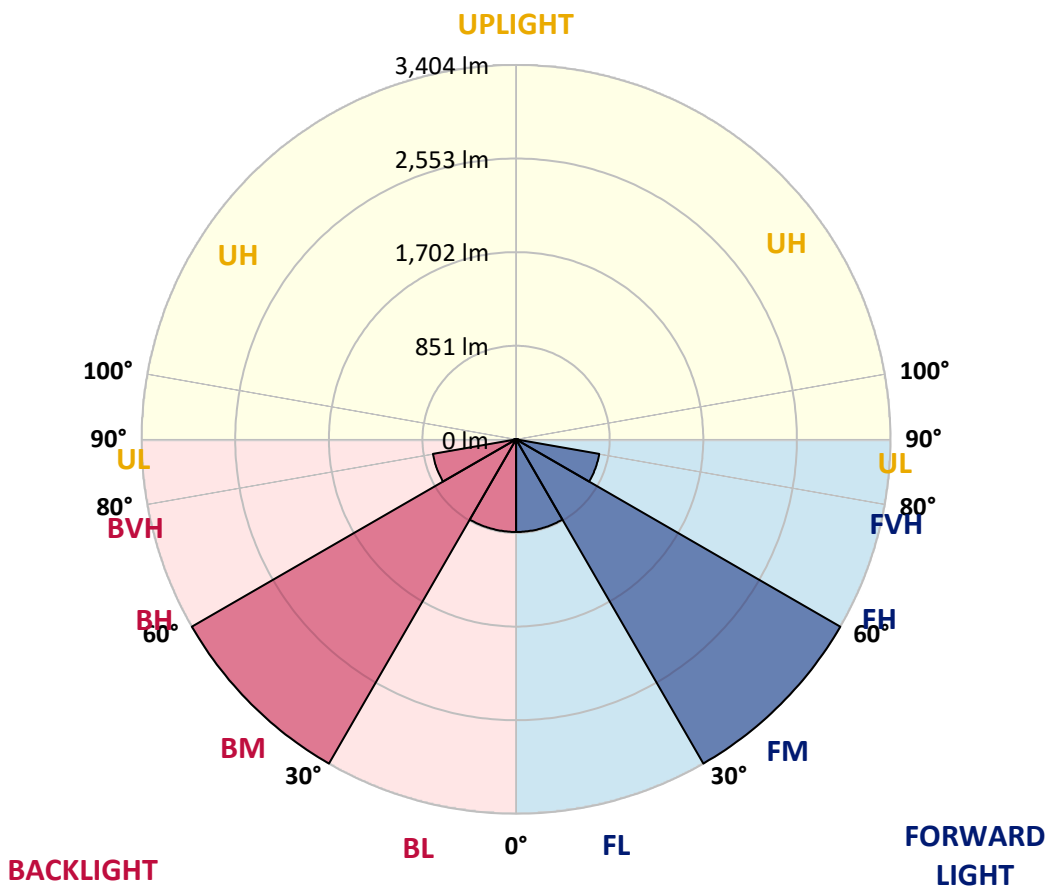
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.0	8.4			
FM (30°-60°)	3404.2	33.8			
FH (60°-80°)	767.5	7.6			G1/1800
FVH (80°-90°)	20.1	0.2			G1/100
BL (0°-30°)	842.0	8.4	B2/1000		
BM (30°-60°)	3404.2	33.8	B3/5000		
BH (60°-80°)	767.5	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.1	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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	1914.8	1914.8	1918.9	1923.0	1924.7	1932.1	1931.3	1928.8	1927.2	1922.2	1928.8
5°	1918.9	1918.9	1922.2	1924.7	1923.9	1929.6	1927.2	1923.0	1920.6	1915.6	1923.0
7.5°	1918.1	1918.1	1920.6	1923.0	1921.4	1926.3	1922.2	1916.4	1912.3	1907.4	1914.0
10°	1907.4	1909.0	1911.5	1917.3	1919.7	1927.2	1921.4	1912.3	1905.7	1900.0	1906.6
12.5°	1905.7	1907.4	1910.7	1918.1	1922.2	1932.9	1925.5	1910.7	1900.8	1893.4	1900.0
15°	1913.2	1914.8	1919.7	1928.8	1935.4	1946.9	1936.2	1915.6	1901.6	1891.7	1897.5
17.5°	1922.2	1924.7	1932.1	1945.3	1956.0	1968.4	1955.2	1930.5	1910.7	1897.5	1902.4
20°	1932.1	1935.4	1946.9	1966.7	1986.5	2002.2	1985.7	1952.7	1928.8	1911.5	1916.4
22.5°	1949.4	1953.5	1968.4	1996.4	2026.1	2049.2	2028.5	1984.0	1952.7	1930.5	1934.6
25°	1984.9	1989.8	2008.8	2042.6	2084.6	2112.6	2083.8	2033.5	1989.8	1962.6	1966.7
27.5°	2047.5	2050.0	2074.7	2119.2	2171.1	2203.3	2168.7	2109.3	2060.7	2029.4	2032.7
30°	2129.9	2137.4	2162.1	2220.6	2282.4	2325.3	2280.0	2209.9	2153.8	2115.9	2119.2
32.5°	2230.5	2235.4	2272.5	2333.5	2422.6	2472.0	2410.2	2326.9	2259.3	2213.2	2216.5
35°	2362.4	2366.5	2401.9	2479.4	2587.4	2633.6	2562.7	2467.1	2388.8	2345.1	2357.4
37.5°	2519.8	2527.2	2552.8	2629.4	2749.8	2795.1	2713.5	2624.5	2542.9	2502.5	2511.6
40°	2688.8	2688.0	2708.6	2776.2	2885.8	2913.8	2840.5	2769.6	2699.5	2673.1	2688.0
42.5°	2833.9	2829.7	2844.6	2900.6	2976.5	2978.9	2930.3	2890.7	2841.3	2823.2	2837.2
45°	2935.3	2936.9	2959.2	2997.9	3036.6	3016.0	3001.2	2994.6	2955.9	2931.1	2933.6
47.5°	3015.2	3021.8	3057.2	3083.6	3088.6	3054.0	3074.6	3084.5	3052.3	3014.4	3003.7
50°	3086.1	3096.8	3143.0	3171.0	3160.3	3116.6	3157.0	3171.8	3100.9	3028.4	3007.0
52.5°	3214.7	3227.1	3283.1	3319.4	3307.0	3263.3	3301.2	3248.5	3129.0	3039.9	3012.7
55°	3419.9	3425.7	3494.1	3553.5	3547.7	3494.1	3463.6	3346.6	3201.5	3109.2	3083.6
57.5°	3376.2	3386.1	3504.8	3663.1	3752.1	3703.5	3524.6	3325.1	3128.1	3016.9	2982.2
60°	2656.7	2680.6	2828.1	3106.7	3433.1	3432.3	3100.1	2790.2	2552.8	2405.2	2390.4
62.5°	1551.3	1567.8	1702.1	1984.0	2276.7	2294.8	2061.5	1848.9	1641.1	1541.4	1493.6
65°	734.4	733.6	787.2	914.1	1112.0	1127.6	1057.5	941.3	818.5	784.7	775.6
67.5°	542.4	542.4	538.3	547.3	585.2	593.5	585.2	566.3	554.7	562.2	557.2
70°	470.7	471.5	466.5	464.1	464.1	461.6	464.9	472.3	477.3	487.1	482.2
72.5°	381.6	382.5	382.5	383.3	384.1	380.8	385.8	389.9	390.7	394.0	390.7
75°	271.2	272.8	277.8	281.9	285.2	285.2	286.8	287.7	284.4	288.5	281.9
77.5°	149.2	150.8	159.9	167.3	174.7	175.6	178.0	179.7	178.0	181.3	176.4
80°	82.4	84.1	88.2	91.5	97.3	102.2	105.5	107.2	107.2	109.6	107.2
82.5°	47.0	48.6	51.1	52.8	57.7	61.8	65.1	67.6	67.6	68.4	66.8
85°	22.3	22.3	23.9	25.6	28.0	29.7	33.8	36.3	36.3	37.9	36.3
87.5°	3.3	4.1	4.9	4.9	6.6	8.2	9.9	10.7	12.4	13.2	13.2
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)