

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: P632734

Luminaire Tested: GWS-SA2D-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632734  
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-SA2D-735-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

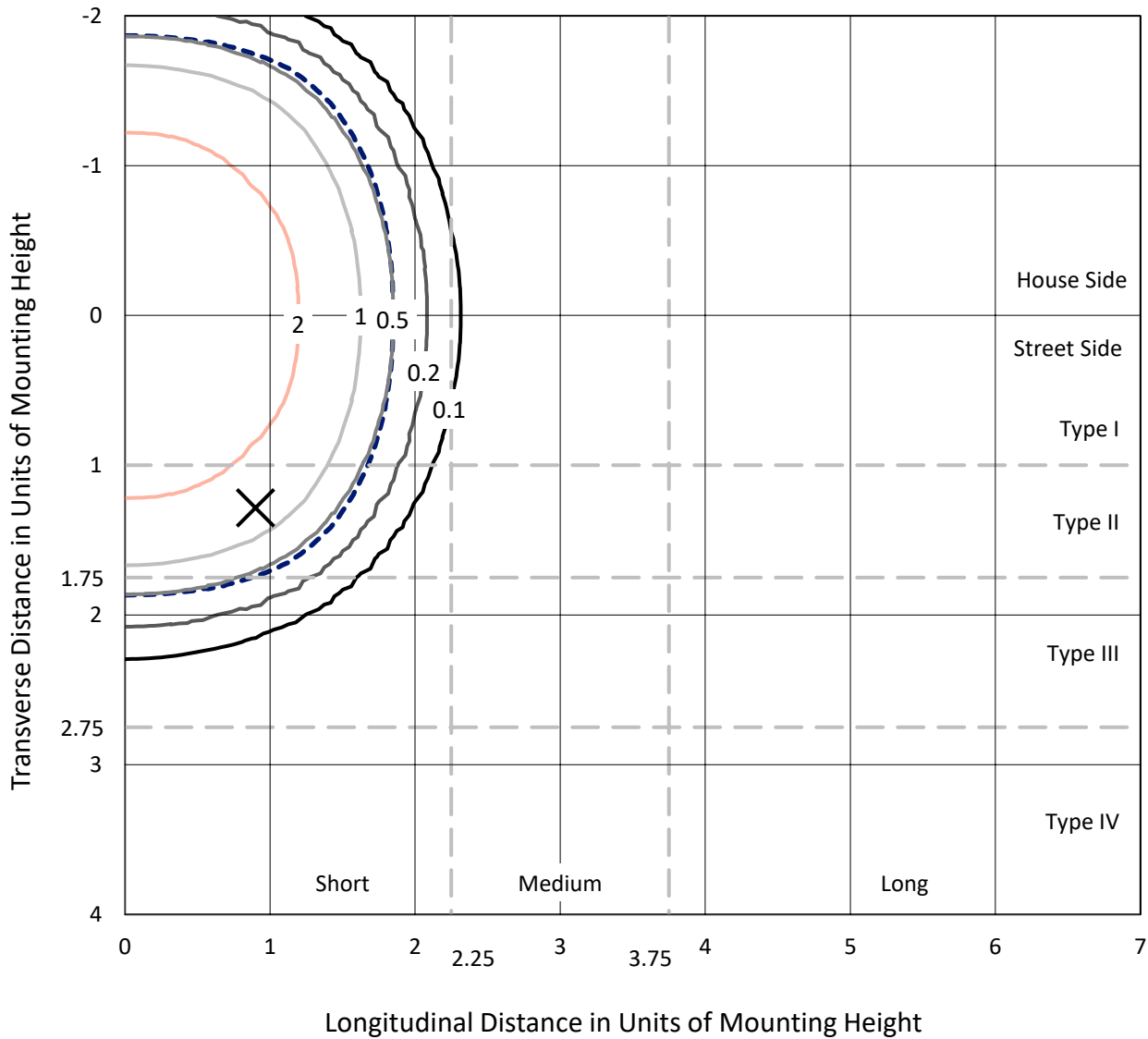
Lumens per Lamp: N/A  
Luminaire Lumens: 10083.3 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

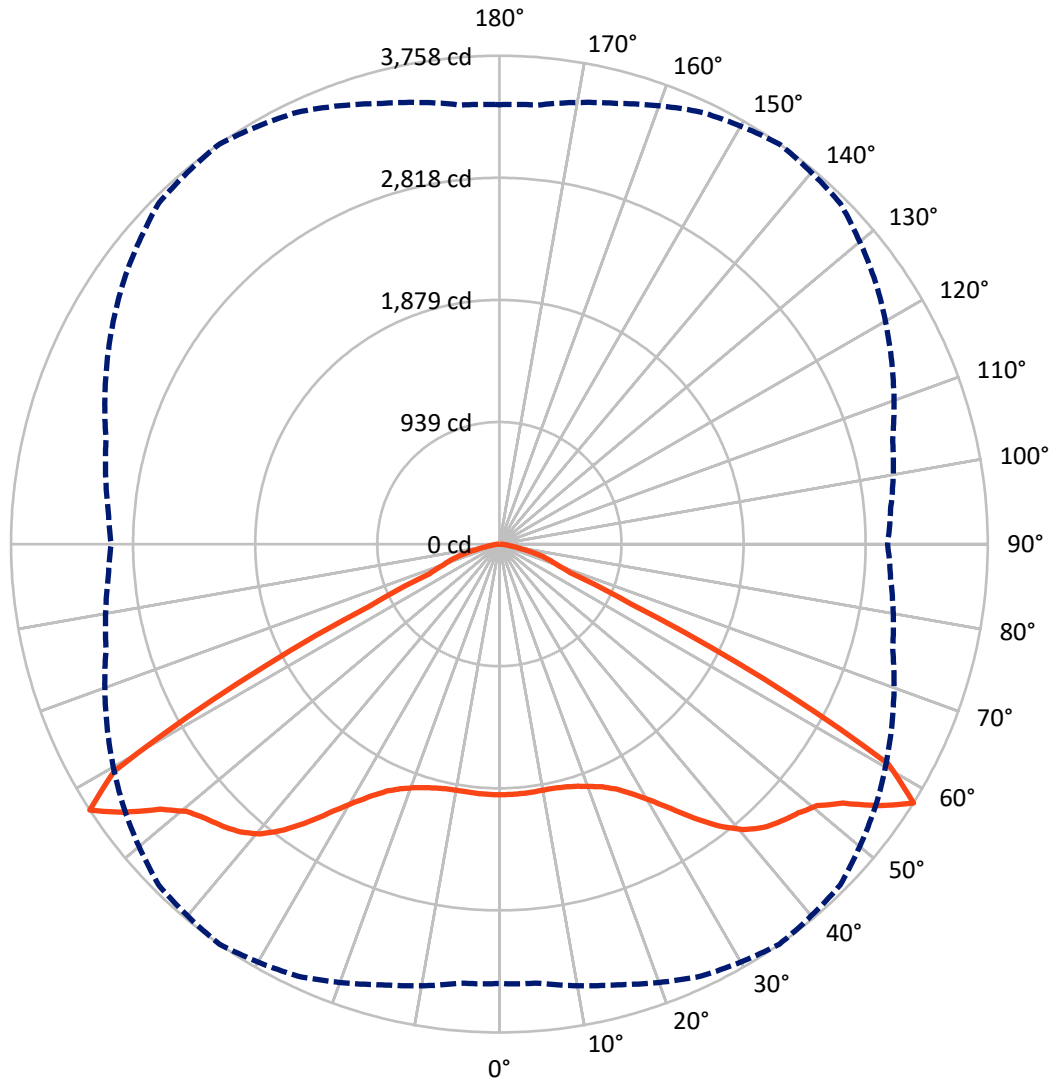
✕ Max cd  
 - - - 1/2 Max cd



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	5041.6	0.0	5041.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5041.6	0.0	5041.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10083.3	0.0	10083.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	1.8
10°-20°	547.6	5.4
20°-30°	955.5	9.5
30°-40°	1566.7	15.5
40°-50°	2307.4	22.9
50°-60°	2944.7	29.2
60°-70°	1241.0	12.3
70°-80°	296.5	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°	10083.3	100.0
0°-180°	10083.3	100.0

**Coefficient of Utilization**



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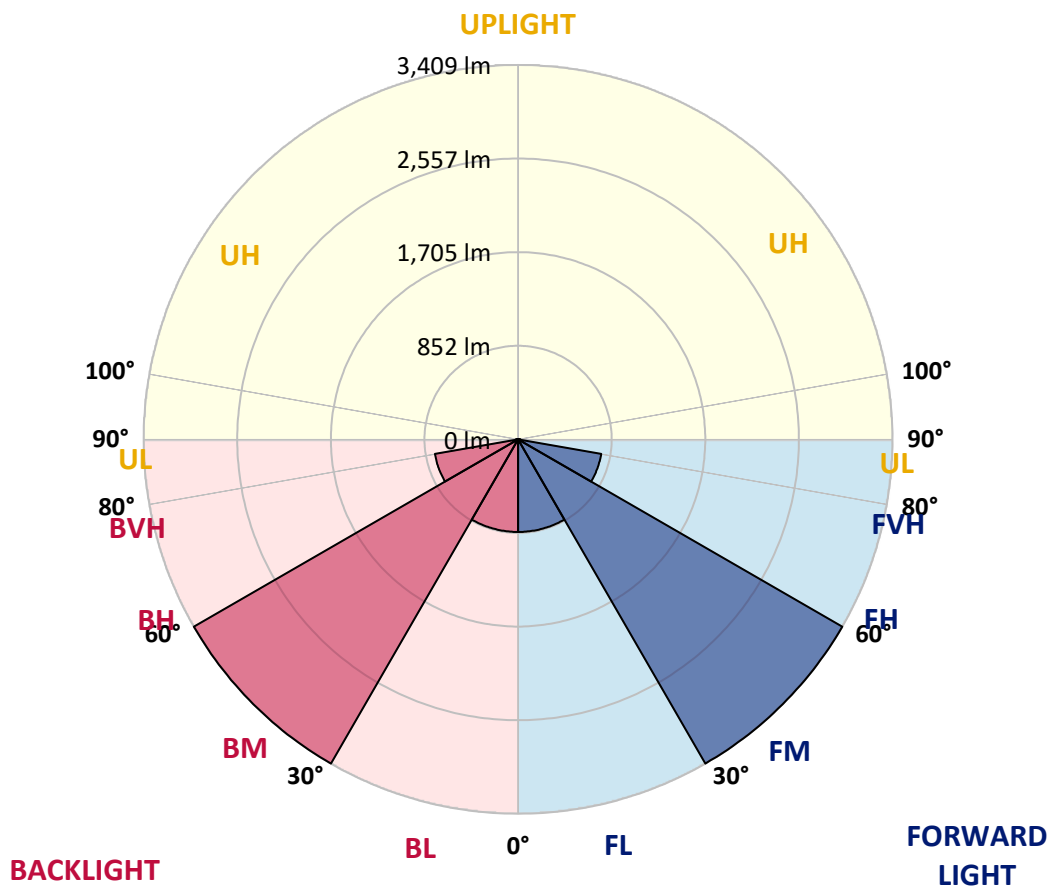
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.3	8.4			
FM (30°-60°)	3409.4	33.8			
FH (60°-80°)	768.7	7.6			G1/1800
FVH (80°-90°)	20.2	0.2			G1/100
BL (0°-30°)	843.3	8.4	B2/1000		
BM (30°-60°)	3409.4	33.8	B3/5000		
BH (60°-80°)	768.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.2	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°	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3
2.5°	1917.8	1917.8	1921.9	1926.0	1927.7	1935.1	1934.3	1931.8	1930.1	1925.2	1931.8
5°	1921.9	1921.9	1925.2	1927.7	1926.8	1932.6	1930.1	1926.0	1923.5	1918.6	1926.0
7.5°	1921.1	1921.1	1923.5	1926.0	1924.4	1929.3	1925.2	1919.4	1915.3	1910.3	1916.9
10°	1910.3	1912.0	1914.5	1920.2	1922.7	1930.1	1924.4	1915.3	1908.7	1902.9	1909.5
12.5°	1908.7	1910.3	1913.6	1921.1	1925.2	1935.9	1928.5	1913.6	1903.7	1896.3	1902.9
15°	1916.1	1917.8	1922.7	1931.8	1938.4	1950.0	1939.2	1918.6	1904.6	1894.7	1900.4
17.5°	1925.2	1927.7	1935.1	1948.3	1959.0	1971.4	1958.2	1933.5	1913.6	1900.4	1905.4
20°	1935.1	1938.4	1950.0	1969.8	1989.6	2005.3	1988.8	1955.7	1931.8	1914.5	1919.4
22.5°	1952.4	1956.6	1971.4	1999.5	2029.2	2052.3	2031.7	1987.1	1955.7	1933.5	1937.6
25°	1987.9	1992.9	2011.9	2045.7	2087.8	2115.9	2087.0	2036.6	1992.9	1965.6	1969.8
27.5°	2050.7	2053.2	2077.9	2122.5	2174.5	2206.7	2172.0	2112.6	2063.9	2032.5	2035.8
30°	2133.2	2140.7	2165.4	2224.0	2286.0	2328.9	2283.5	2213.3	2157.2	2119.2	2122.5
32.5°	2234.0	2238.9	2276.1	2337.1	2426.3	2475.8	2413.9	2330.5	2262.8	2216.6	2219.9
35°	2366.0	2370.2	2405.7	2483.3	2591.4	2637.7	2566.7	2470.9	2392.5	2348.7	2361.1
37.5°	2523.7	2531.2	2556.7	2633.5	2754.1	2799.5	2717.7	2628.6	2546.8	2506.4	2515.5
40°	2693.0	2692.1	2712.8	2780.5	2890.3	2918.3	2844.9	2773.9	2703.7	2677.3	2692.1
42.5°	2838.3	2834.1	2849.0	2905.1	2981.1	2983.6	2934.9	2895.2	2845.7	2827.5	2841.6
45°	2939.8	2941.5	2963.7	3002.5	3041.3	3020.7	3005.8	2999.2	2960.4	2935.7	2938.2
47.5°	3019.9	3026.5	3062.0	3088.4	3093.4	3058.7	3079.3	3089.2	3057.0	3019.1	3008.3
50°	3090.9	3101.6	3147.8	3175.9	3165.2	3121.4	3161.9	3176.7	3105.7	3033.1	3011.6
52.5°	3219.7	3232.1	3288.2	3324.5	3312.1	3268.4	3306.4	3253.5	3133.8	3044.7	3017.4
55°	3425.2	3431.0	3499.5	3559.0	3553.2	3499.5	3469.0	3351.8	3206.5	3114.0	3088.4
57.5°	3381.5	3391.4	3510.3	3668.8	3757.9	3709.2	3530.1	3330.3	3133.0	3021.5	2986.9
60°	2660.8	2684.7	2832.5	3111.5	3438.4	3437.6	3104.9	2794.5	2556.7	2409.0	2394.1
62.5°	1553.7	1570.2	1704.8	1987.1	2280.2	2298.3	2064.7	1851.7	1643.7	1543.8	1495.9
65°	735.6	734.7	788.4	915.5	1113.7	1129.4	1059.2	942.8	819.8	785.9	776.8
67.5°	543.2	543.2	539.1	548.2	586.1	594.4	586.1	567.2	555.6	563.0	558.1
70°	471.4	472.2	467.3	464.8	464.8	462.3	465.6	473.0	478.0	487.9	483.0
72.5°	382.2	383.1	383.1	383.9	384.7	381.4	386.4	390.5	391.3	394.6	391.3
75°	271.6	273.3	278.2	282.3	285.6	285.6	287.3	288.1	284.8	288.9	282.3
77.5°	149.4	151.1	160.2	167.6	175.0	175.8	178.3	180.0	178.3	181.6	176.7
80°	82.6	84.2	88.3	91.6	97.4	102.4	105.7	107.3	107.3	109.8	107.3
82.5°	47.1	48.7	51.2	52.8	57.8	61.9	65.2	67.7	67.7	68.5	66.9
85°	22.3	22.3	23.9	25.6	28.1	29.7	33.8	36.3	36.3	38.0	36.3
87.5°	3.3	4.1	5.0	5.0	6.6	8.3	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)