

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: P634005

Luminaire Tested: GWS-SA2F-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-830-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

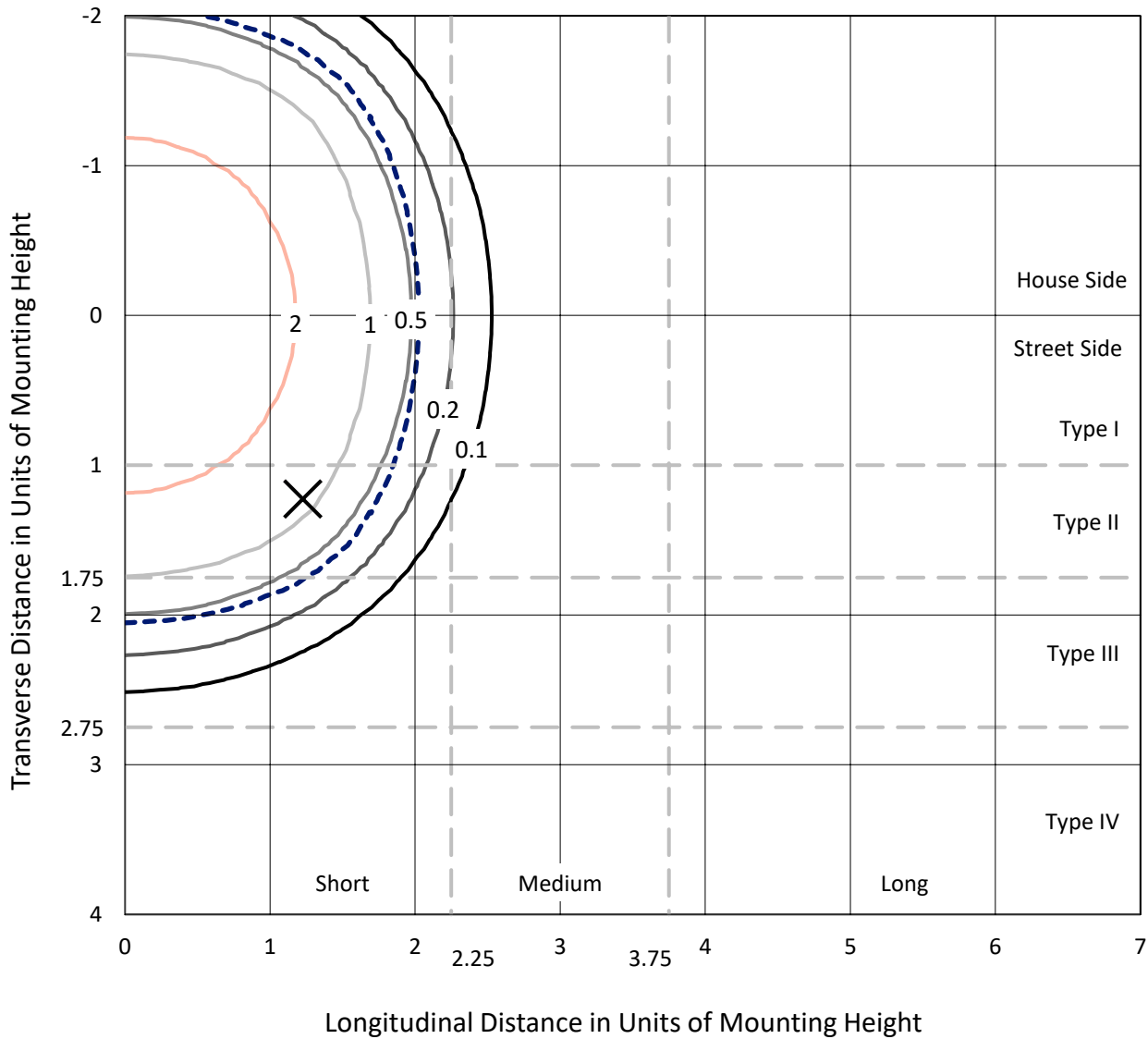
Lumens per Lamp: N/A  
Luminaire Lumens: 10883.7 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

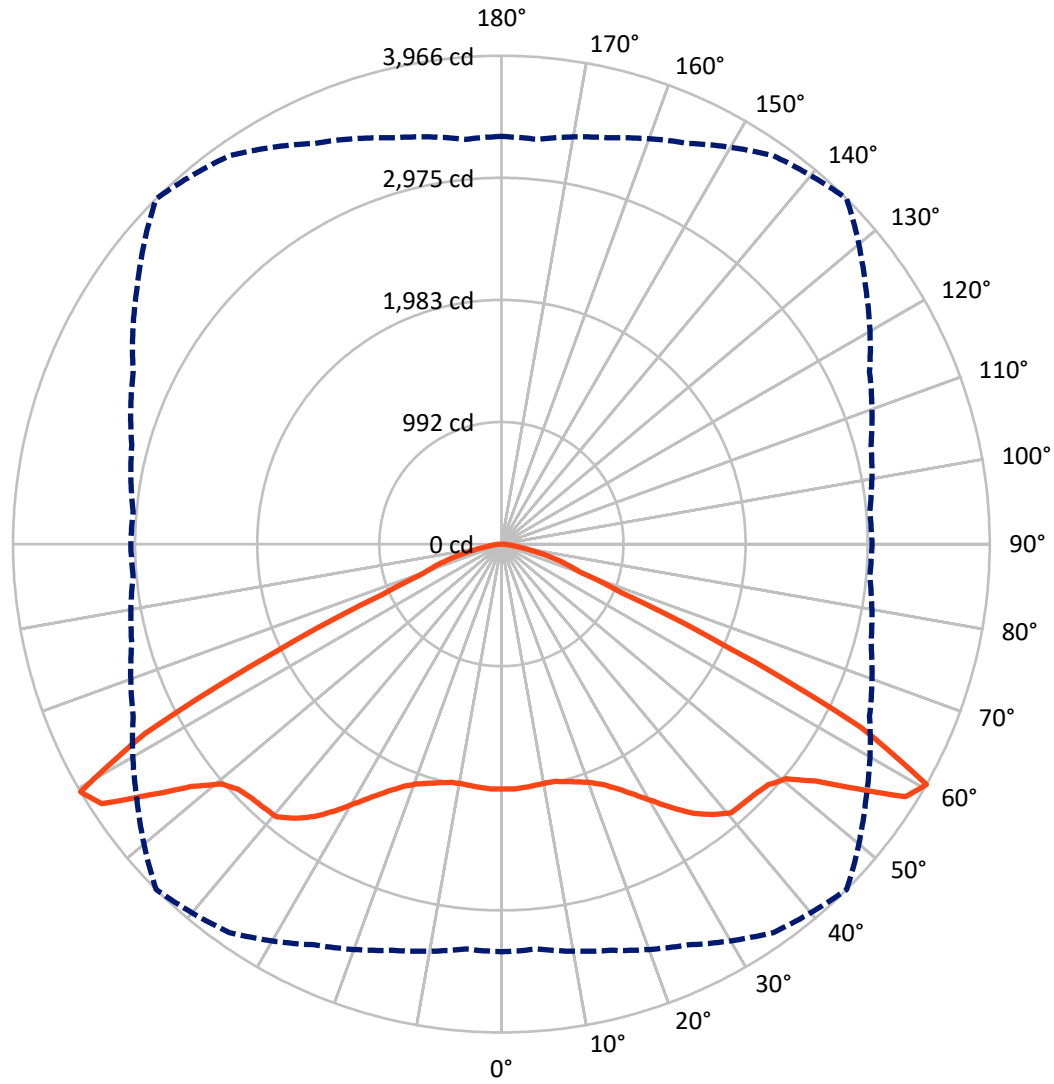
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5441.9	0.0	5441.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5441.9	0.0	5441.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10883.7	0.0	10883.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.6	1.7
10°-20°	567.4	5.2
20°-30°	1003.8	9.2
30°-40°	1616.1	14.8
40°-50°	2221.3	20.4
50°-60°	2960.0	27.2
60°-70°	1844.8	17.0
70°-80°	424.2	3.9
80°-90°	57.6	0.5
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°	10883.7	100.0
0°-180°	10883.7	100.0

**Coefficient of Utilization**



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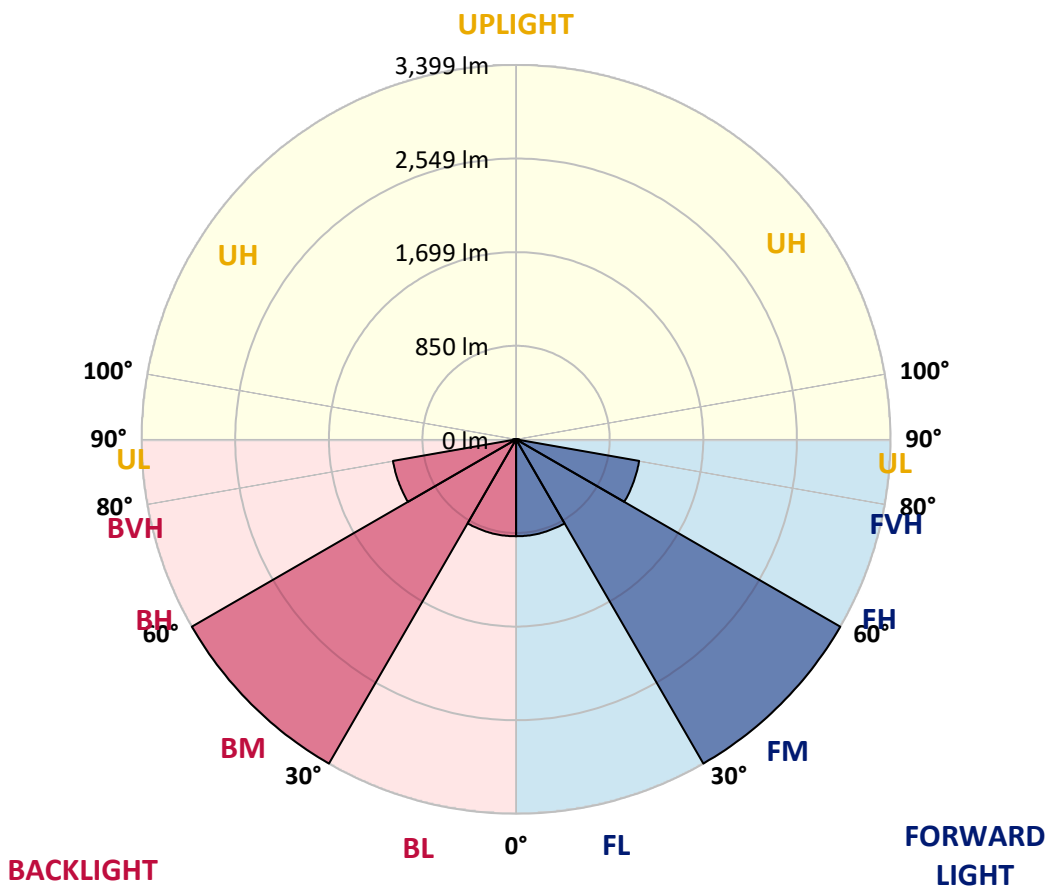
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.9	8.1			
FM (30°-60°)	3398.7	31.2			
FH (60°-80°)	1134.5	10.4			G1/1800
FVH (80°-90°)	28.8	0.3			G1/100
BL (0°-30°)	879.9	8.1	B2/1000		
BM (30°-60°)	3398.7	31.2	B3/5000		
BH (60°-80°)	1134.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	28.8	0.3			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°	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0	1989.0
2.5°	1975.1	1977.0	1980.7	1983.4	1987.1	1990.8	1992.7	1989.0	1987.1	1979.7	1988.1
5°	1977.0	1978.8	1981.6	1981.6	1982.5	1985.3	1985.3	1980.7	1976.0	1967.7	1977.0
7.5°	1974.2	1976.0	1977.0	1976.0	1977.0	1977.9	1976.0	1970.5	1965.9	1958.5	1965.9
10°	1969.6	1971.4	1973.3	1971.4	1969.6	1972.4	1972.4	1968.7	1965.9	1958.5	1966.8
12.5°	1979.7	1982.5	1983.4	1978.8	1977.0	1977.9	1977.9	1974.2	1974.2	1967.7	1977.0
15°	2003.8	2005.6	2002.8	1997.3	1998.2	2001.0	1994.5	1985.3	1983.4	1980.7	1988.1
17.5°	2022.2	2024.1	2021.3	2017.6	2024.1	2030.6	2018.5	2001.0	1995.4	1993.6	2001.9
20°	2042.6	2045.3	2041.6	2046.3	2059.2	2066.6	2051.8	2027.8	2016.7	2013.9	2024.1
22.5°	2075.8	2079.5	2079.5	2089.7	2109.1	2121.1	2102.6	2070.3	2053.6	2049.0	2059.2
25°	2128.5	2131.2	2134.0	2154.3	2185.8	2202.4	2172.8	2128.5	2105.4	2098.0	2103.5
27.5°	2201.5	2206.1	2210.7	2240.3	2279.1	2303.1	2260.6	2205.2	2176.5	2161.7	2172.8
30°	2288.3	2294.8	2305.9	2339.1	2393.6	2420.4	2365.9	2298.5	2266.1	2250.4	2265.2
32.5°	2406.5	2407.5	2415.8	2452.7	2524.8	2555.3	2486.9	2412.1	2378.8	2360.4	2368.7
35°	2547.0	2547.9	2535.0	2572.8	2650.4	2684.6	2604.2	2528.5	2500.8	2495.2	2516.5
37.5°	2691.1	2682.8	2669.8	2686.5	2765.0	2787.2	2702.2	2637.5	2625.5	2635.7	2667.1
40°	2793.6	2779.8	2753.9	2765.9	2845.4	2871.2	2780.7	2719.7	2716.0	2741.0	2778.8
42.5°	2860.1	2845.4	2814.9	2814.9	2869.4	2880.5	2810.3	2777.9	2786.2	2814.9	2850.9
45°	2892.5	2884.2	2866.6	2857.4	2887.9	2892.5	2838.9	2826.0	2841.7	2855.5	2883.2
47.5°	2917.4	2917.4	2911.9	2902.6	2916.5	2919.3	2879.5	2875.8	2896.2	2896.2	2914.6
50°	2961.8	2966.4	2973.8	2971.9	2986.7	2995.9	2966.4	2960.8	2969.2	2942.4	2951.6
52.5°	3078.2	3090.2	3111.4	3128.0	3165.9	3194.6	3141.9	3097.6	3054.1	2995.0	2996.9
55°	3286.9	3292.5	3334.1	3383.0	3446.8	3505.0	3396.9	3259.2	3165.0	3095.7	3096.6
57.5°	3463.4	3471.7	3532.7	3635.2	3778.4	3869.0	3629.7	3399.7	3266.6	3181.6	3184.4
60°	3311.0	3299.9	3415.4	3590.9	3850.5	3966.0	3613.1	3299.0	3107.7	3002.4	3009.8
62.5°	2561.7	2540.5	2668.9	2852.8	3164.1	3279.6	2954.4	2653.2	2472.1	2389.9	2377.9
65°	1559.4	1540.0	1632.4	1745.1	1955.7	2028.7	1880.0	1720.1	1562.2	1512.3	1498.4
67.5°	849.0	846.2	871.2	926.6	1019.0	1053.2	1024.5	948.8	908.1	873.0	873.0
70°	673.5	667.9	663.3	664.2	672.5	677.2	678.1	674.4	679.0	679.9	676.2
72.5°	558.0	556.1	546.9	547.8	544.1	542.3	548.7	552.4	559.8	560.8	560.8
75°	404.6	400.0	404.6	405.6	401.9	401.9	406.5	405.6	409.3	411.1	400.9
77.5°	230.0	230.0	236.5	243.9	249.4	249.4	254.1	254.1	258.7	257.7	255.9
80°	126.6	126.6	130.3	134.9	140.4	146.0	150.6	151.5	154.3	153.4	150.6
82.5°	72.1	73.0	74.8	77.6	83.1	87.8	92.4	93.3	96.1	96.1	93.3
85°	34.2	33.3	34.2	36.0	38.8	42.5	47.1	49.9	51.7	51.7	49.9
87.5°	6.5	7.4	6.5	7.4	8.3	11.1	12.9	14.8	17.6	18.5	16.6
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)