

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: P633999

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633999
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-SA2F-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11283.7 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

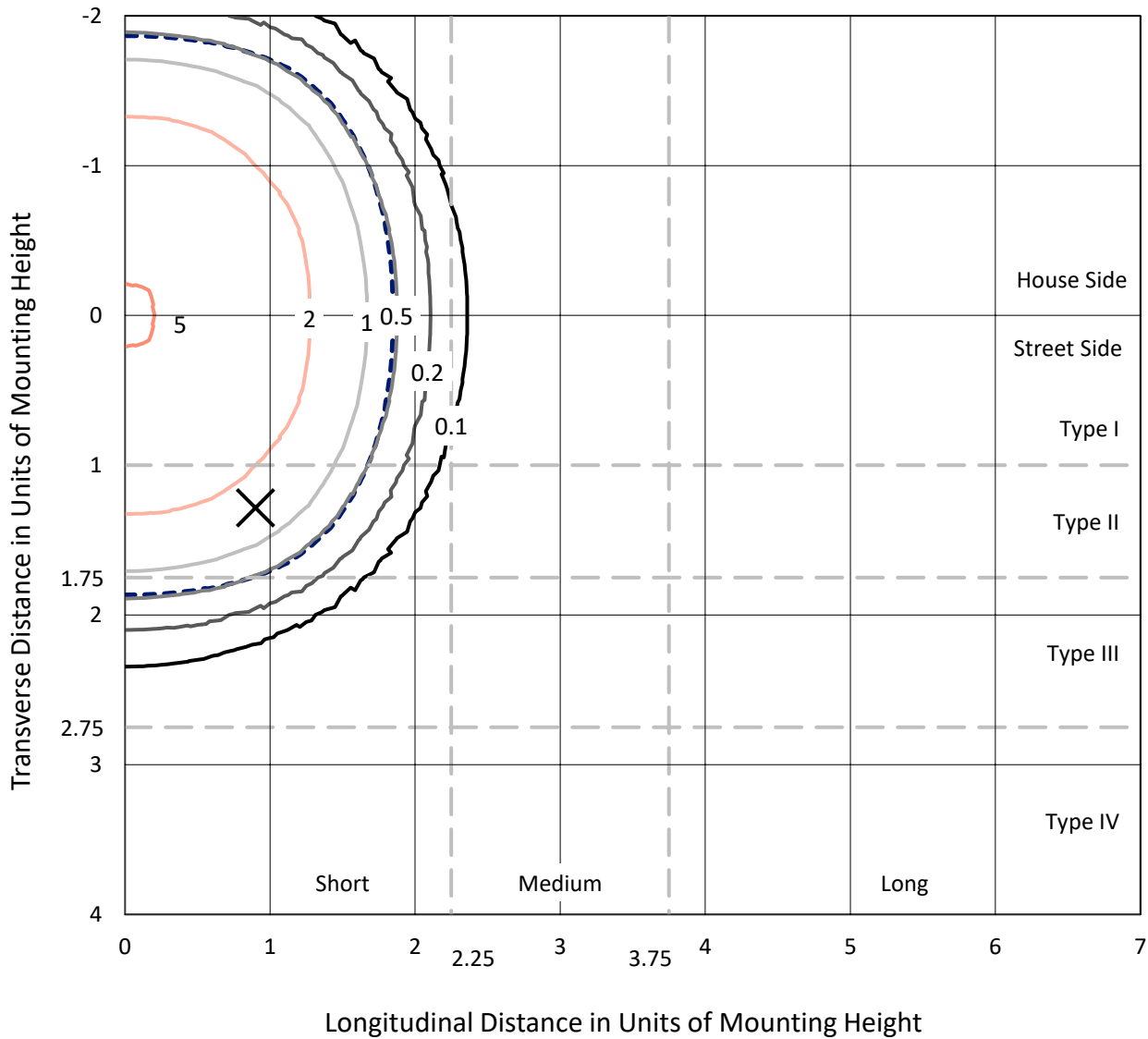
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

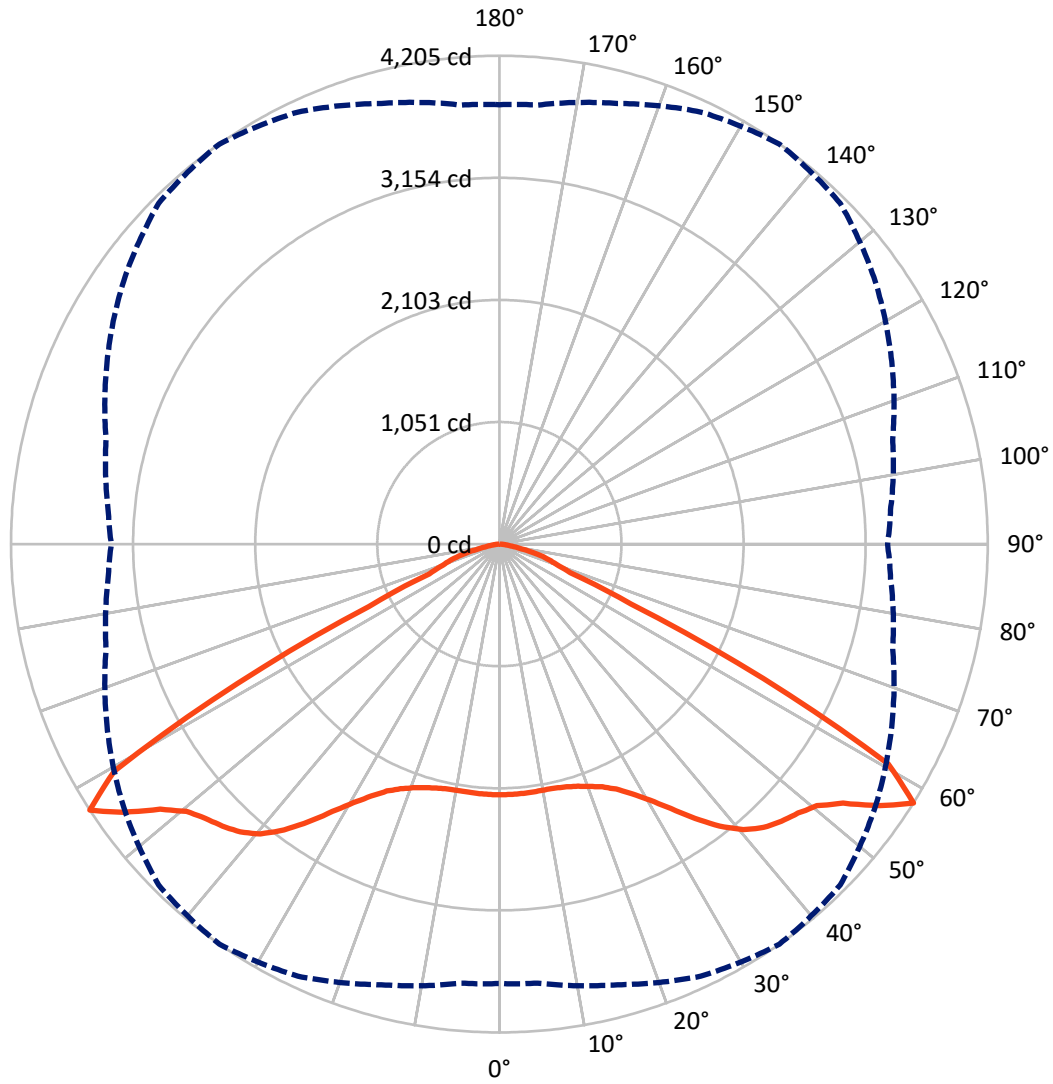
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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
House Side	Lumens	5641.9	0.0	5641.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5641.9	0.0	5641.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11283.7	0.0	11283.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.4	1.8
10°-20°	612.8	5.4
20°-30°	1069.2	9.5
30°-40°	1753.3	15.5
40°-50°	2582.1	22.9
50°-60°	3295.3	29.2
60°-70°	1388.8	12.3
70°-80°	331.7	2.9
80°-90°	45.2	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°	11283.7	100.0
0°-180°	11283.7	100.0

Coefficient of Utilization



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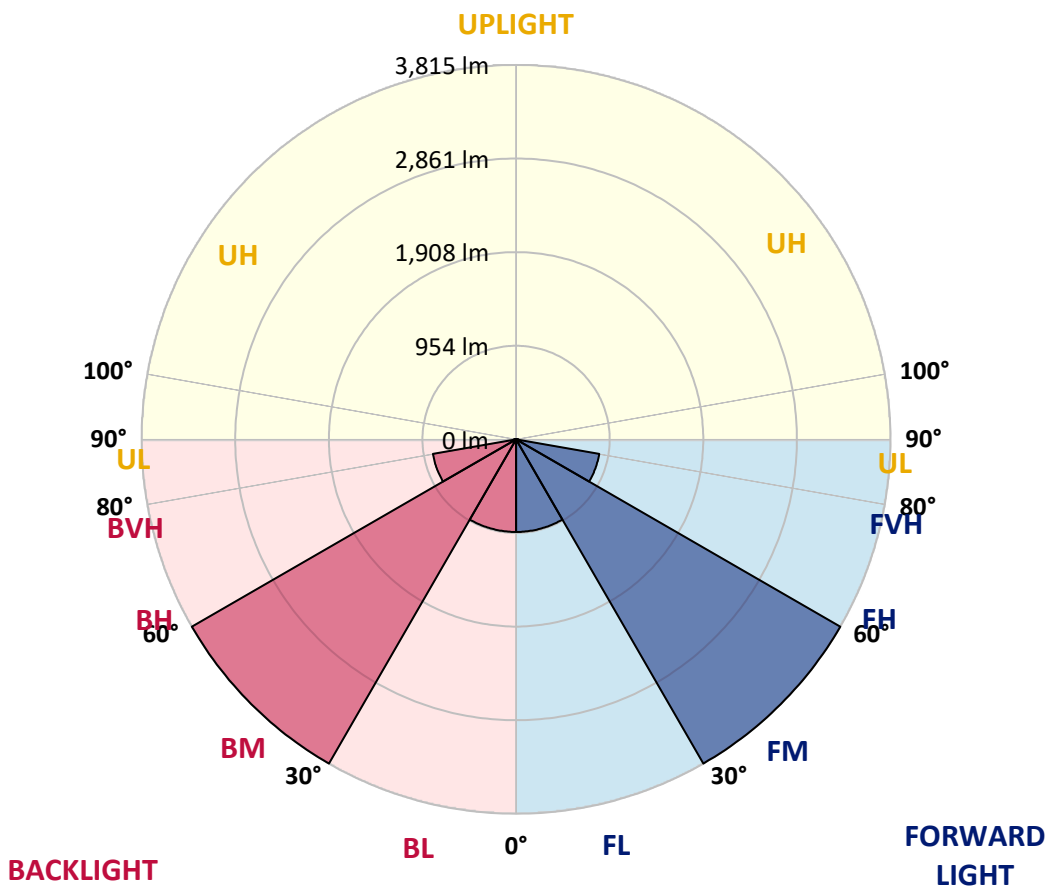
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.7	8.4			
FM (30°-60°)	3815.3	33.8			
FH (60°-80°)	860.3	7.6			G1/1800
FVH (80°-90°)	22.6	0.2			G1/100
BL (0°-30°)	943.7	8.4	B2/1000		
BM (30°-60°)	3815.3	33.8	B3/5000		
BH (60°-80°)	860.3	7.6	B2/1000		G1/1800
BVH (80°-90°)	22.6	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°	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0	2159.0
2.5°	2146.1	2146.1	2150.7	2155.3	2157.2	2165.5	2164.5	2161.8	2159.9	2154.4	2161.8
5°	2150.7	2150.7	2154.4	2157.2	2156.2	2162.7	2159.9	2155.3	2152.5	2147.0	2155.3
7.5°	2149.8	2149.8	2152.5	2155.3	2153.5	2159.0	2154.4	2147.9	2143.3	2137.8	2145.1
10°	2137.8	2139.6	2142.4	2148.8	2151.6	2159.9	2153.5	2143.3	2135.9	2129.4	2136.8
12.5°	2135.9	2137.8	2141.5	2149.8	2154.4	2166.4	2158.1	2141.5	2130.4	2122.1	2129.4
15°	2144.2	2146.1	2151.6	2161.8	2169.2	2182.1	2170.1	2147.0	2131.3	2120.2	2126.7
17.5°	2154.4	2157.2	2165.5	2180.3	2192.3	2206.1	2191.3	2163.6	2141.5	2126.7	2132.2
20°	2165.5	2169.2	2182.1	2204.3	2226.4	2244.0	2225.5	2188.6	2161.8	2142.4	2147.9
22.5°	2184.9	2189.5	2206.1	2237.5	2270.8	2296.7	2273.6	2223.7	2188.6	2163.6	2168.2
25°	2224.6	2230.1	2251.4	2289.3	2336.4	2367.8	2335.5	2279.1	2230.1	2199.7	2204.3
27.5°	2294.8	2297.6	2325.3	2375.2	2433.4	2469.4	2430.6	2364.1	2309.6	2274.5	2278.2
30°	2387.2	2395.5	2423.2	2488.8	2558.1	2606.1	2555.3	2476.8	2414.0	2371.5	2375.2
32.5°	2499.9	2505.4	2547.0	2615.4	2715.2	2770.6	2701.3	2608.0	2532.2	2480.5	2484.2
35°	2647.7	2652.3	2692.1	2778.9	2899.9	2951.7	2872.2	2765.0	2677.3	2628.3	2642.2
37.5°	2824.2	2832.5	2861.1	2947.0	3081.9	3132.7	3041.3	2941.5	2850.0	2804.8	2814.9
40°	3013.6	3012.6	3035.7	3111.5	3234.4	3265.8	3183.5	3104.1	3025.6	2996.0	3012.6
42.5°	3176.2	3171.5	3188.2	3251.0	3336.0	3338.7	3284.2	3239.9	3184.5	3164.1	3179.8
45°	3289.8	3291.6	3316.6	3360.0	3403.4	3380.3	3363.7	3356.3	3312.9	3285.2	3287.9
47.5°	3379.4	3386.8	3426.5	3456.1	3461.6	3422.8	3445.9	3457.0	3421.0	3378.5	3366.5
50°	3458.8	3470.9	3522.6	3554.0	3542.0	3493.0	3538.3	3554.9	3475.5	3394.2	3370.2
52.5°	3603.0	3616.8	3679.6	3720.3	3706.4	3657.5	3700.0	3640.8	3506.9	3407.1	3376.6
55°	3833.0	3839.5	3916.1	3982.7	3976.2	3916.1	3882.0	3750.8	3588.2	3484.7	3456.1
57.5°	3784.0	3795.1	3928.2	4105.5	4205.3	4150.8	3950.3	3726.8	3506.0	3381.2	3342.4
60°	2977.5	3004.3	3169.7	3481.9	3847.8	3846.9	3474.6	3127.2	2861.1	2695.8	2679.1
62.5°	1738.7	1757.1	1907.7	2223.7	2551.6	2572.0	2310.5	2072.2	1839.4	1727.6	1674.0
65°	823.1	822.2	882.3	1024.5	1246.3	1263.8	1185.3	1055.0	917.4	879.5	869.3
67.5°	607.9	607.9	603.3	613.4	655.9	665.2	655.9	634.7	621.7	630.1	624.5
70°	527.5	528.4	522.9	520.1	520.1	517.3	521.0	529.4	534.9	546.0	540.4
72.5°	427.7	428.7	428.7	429.6	430.5	426.8	432.4	437.0	437.9	441.6	437.9
75°	303.9	305.8	311.3	316.0	319.6	319.6	321.5	322.4	318.7	323.3	316.0
77.5°	167.2	169.1	179.2	187.5	195.9	196.8	199.5	201.4	199.5	203.2	197.7
80°	92.4	94.2	98.9	102.5	109.0	114.6	118.3	120.1	120.1	122.9	120.1
82.5°	52.7	54.5	57.3	59.1	64.7	69.3	73.0	75.8	75.8	76.7	74.8
85°	24.9	24.9	26.8	28.6	31.4	33.3	37.9	40.6	40.6	42.5	40.6
87.5°	3.7	4.6	5.5	5.5	7.4	9.2	11.1	12.0	13.9	14.8	14.8
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)