

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: P637030

Luminaire Tested: GWS-SA4C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637030
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-SA4C-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12075.8 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

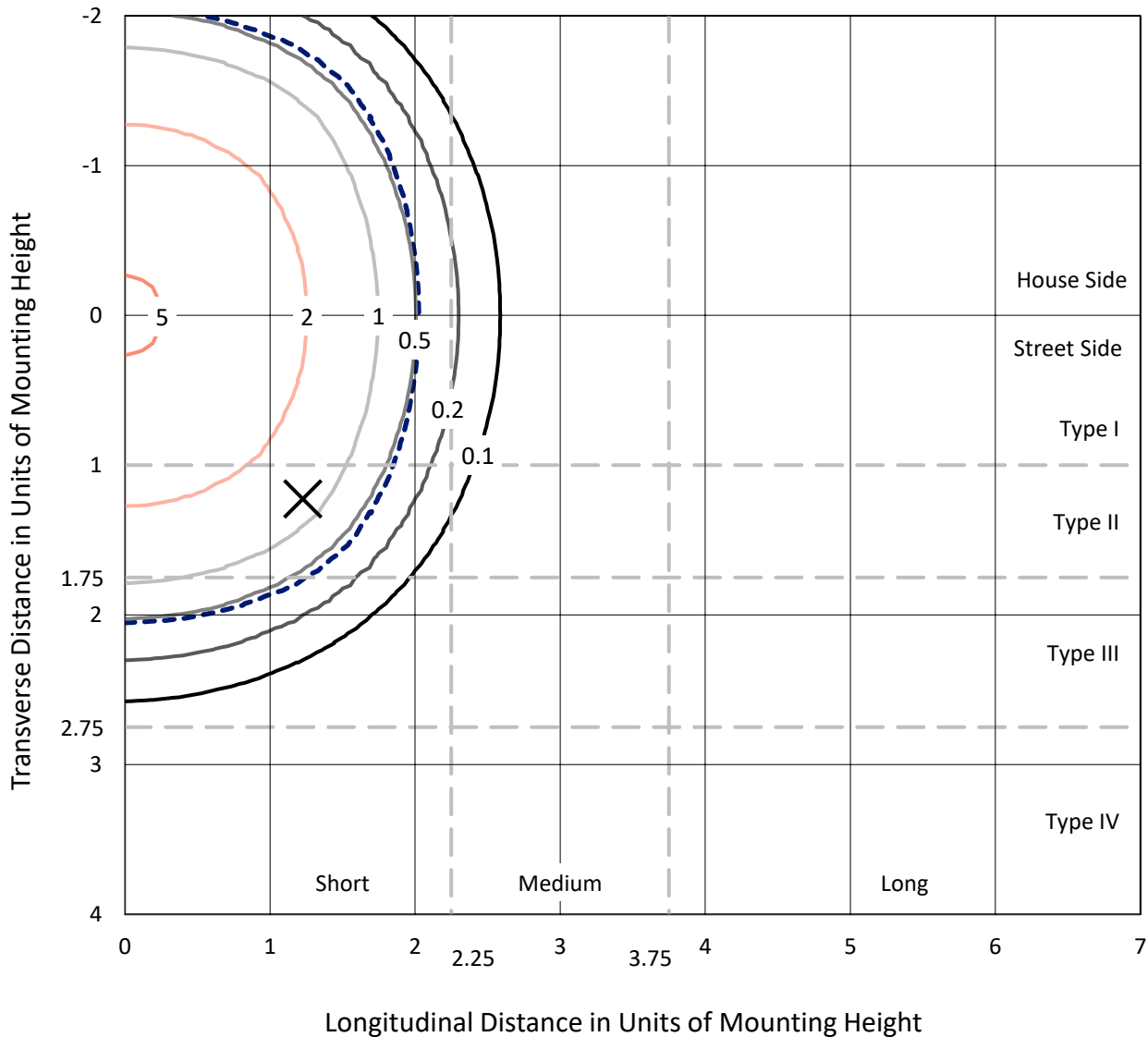
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

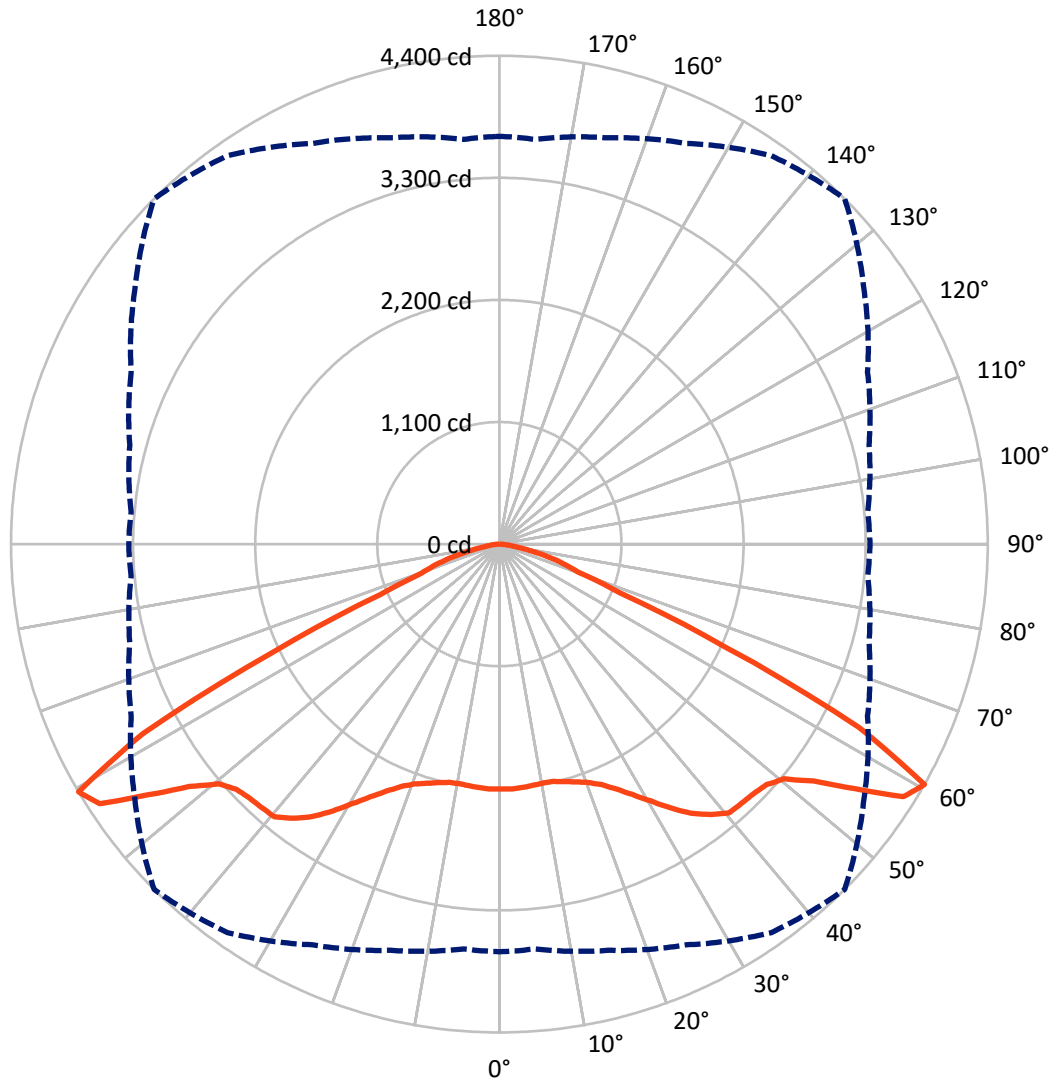
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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
House Side	Lumens	6037.9	0.0	6037.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6037.9	0.0	6037.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12075.8	0.0	12075.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	1.7
10°-20°	629.5	5.2
20°-30°	1113.7	9.2
30°-40°	1793.1	14.8
40°-50°	2464.5	20.4
50°-60°	3284.2	27.2
60°-70°	2046.9	17.0
70°-80°	470.7	3.9
80°-90°	63.9	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°	12075.8	100.0
0°-180°	12075.8	100.0

Coefficient of Utilization



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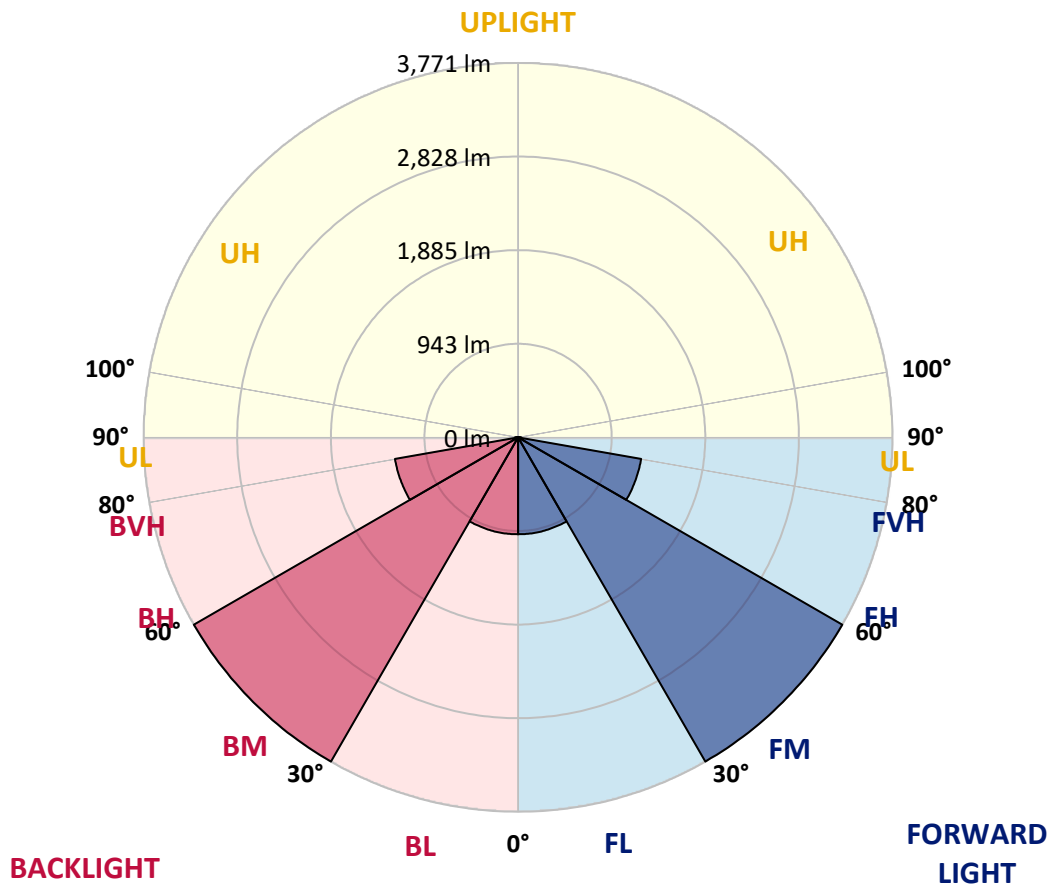
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.2	8.1			
FM (30°-60°)	3770.9	31.2			
FH (60°-80°)	1258.8	10.4			G1/1800
FVH (80°-90°)	31.9	0.3			G1/100
BL (0°-30°)	976.2	8.1	B2/1000		
BM (30°-60°)	3770.9	31.2	B3/5000		
BH (60°-80°)	1258.8	10.4	B3/2500		G1/1800
BVH (80°-90°)	31.9	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°	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8	2206.8
2.5°	2191.5	2193.5	2197.6	2200.7	2204.8	2208.9	2210.9	2206.8	2204.8	2196.6	2205.8
5°	2193.5	2195.6	2198.6	2198.6	2199.7	2202.7	2202.7	2197.6	2192.5	2183.3	2193.5
7.5°	2190.4	2192.5	2193.5	2192.5	2193.5	2194.5	2192.5	2186.3	2181.2	2173.0	2181.2
10°	2185.3	2187.4	2189.4	2187.4	2185.3	2188.4	2188.4	2184.3	2181.2	2173.0	2182.2
12.5°	2196.6	2199.7	2200.7	2195.6	2193.5	2194.5	2194.5	2190.4	2190.4	2183.3	2193.5
15°	2223.2	2225.3	2222.2	2216.1	2217.1	2220.2	2213.0	2202.7	2200.7	2197.6	2205.8
17.5°	2243.7	2245.8	2242.7	2238.6	2245.8	2253.0	2239.6	2220.2	2214.0	2212.0	2221.2
20°	2266.3	2269.4	2265.3	2270.4	2284.7	2292.9	2276.5	2249.9	2237.6	2234.5	2245.8
22.5°	2303.2	2307.3	2307.3	2318.6	2340.1	2353.4	2332.9	2297.0	2278.6	2273.5	2284.7
25°	2361.6	2364.7	2367.8	2390.3	2425.2	2443.6	2410.8	2361.6	2336.0	2327.8	2333.9
27.5°	2442.6	2447.7	2452.8	2485.6	2528.7	2555.3	2508.2	2446.7	2414.9	2398.5	2410.8
30°	2538.9	2546.1	2558.4	2595.3	2655.8	2685.5	2625.0	2550.2	2514.3	2496.9	2513.3
32.5°	2670.1	2671.2	2680.4	2721.4	2801.3	2835.2	2759.3	2676.3	2639.4	2618.9	2628.1
35°	2825.9	2827.0	2812.6	2854.6	2940.7	2978.7	2889.5	2805.4	2774.7	2768.5	2792.1
37.5°	2985.8	2976.6	2962.3	2980.7	3067.8	3092.4	2998.1	2926.4	2913.1	2924.3	2959.2
40°	3099.6	3084.2	3055.5	3068.9	3157.0	3185.7	3085.3	3017.6	3013.5	3041.2	3083.2
42.5°	3173.4	3157.0	3123.2	3123.2	3183.7	3196.0	3118.1	3082.2	3091.4	3123.2	3163.2
45°	3209.3	3200.1	3180.6	3170.3	3204.2	3209.3	3149.8	3135.5	3152.9	3168.3	3199.0
47.5°	3237.0	3237.0	3230.8	3220.6	3235.9	3239.0	3194.9	3190.8	3213.4	3213.4	3233.9
50°	3286.2	3291.3	3299.5	3297.4	3313.8	3324.1	3291.3	3285.1	3294.4	3264.6	3274.9
52.5°	3415.3	3428.6	3452.2	3470.7	3512.7	3544.5	3486.0	3436.8	3388.7	3323.1	3325.1
55°	3647.0	3653.1	3699.2	3753.6	3824.3	3888.9	3768.9	3616.2	3511.7	3434.8	3435.8
57.5°	3842.7	3852.0	3919.6	4033.4	4192.3	4292.7	4027.2	3772.0	3624.4	3530.1	3533.2
60°	3673.6	3661.3	3789.4	3984.2	4272.2	4400.3	4008.8	3660.3	3448.1	3331.3	3339.5
62.5°	2842.3	2818.8	2961.2	3165.2	3510.6	3638.8	3278.0	2943.8	2742.9	2651.7	2638.4
65°	1730.2	1708.7	1811.2	1936.2	2169.9	2250.9	2085.9	1908.6	1733.3	1677.9	1662.6
67.5°	942.0	938.9	966.6	1028.1	1130.6	1168.5	1136.7	1052.7	1007.6	968.6	968.6
70°	747.2	741.1	736.0	737.0	746.2	751.3	752.4	748.3	753.4	754.4	750.3
72.5°	619.1	617.1	606.8	607.8	603.7	601.7	608.9	613.0	621.2	622.2	622.2
75°	449.0	443.8	449.0	450.0	445.9	445.9	451.0	450.0	454.1	456.1	444.9
77.5°	255.2	255.2	262.4	270.6	276.8	276.8	281.9	281.9	287.0	286.0	283.9
80°	140.4	140.4	144.5	149.7	155.8	162.0	167.1	168.1	171.2	170.2	167.1
82.5°	80.0	81.0	83.0	86.1	92.3	97.4	102.5	103.5	106.6	106.6	103.5
85°	37.9	36.9	37.9	40.0	43.1	47.2	52.3	55.4	57.4	57.4	55.4
87.5°	7.2	8.2	7.2	8.2	9.2	12.3	14.4	16.4	19.5	20.5	18.5
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)