

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: P636865

Luminaire Tested: GWS-SA4B-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636865
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-SA4B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12333 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

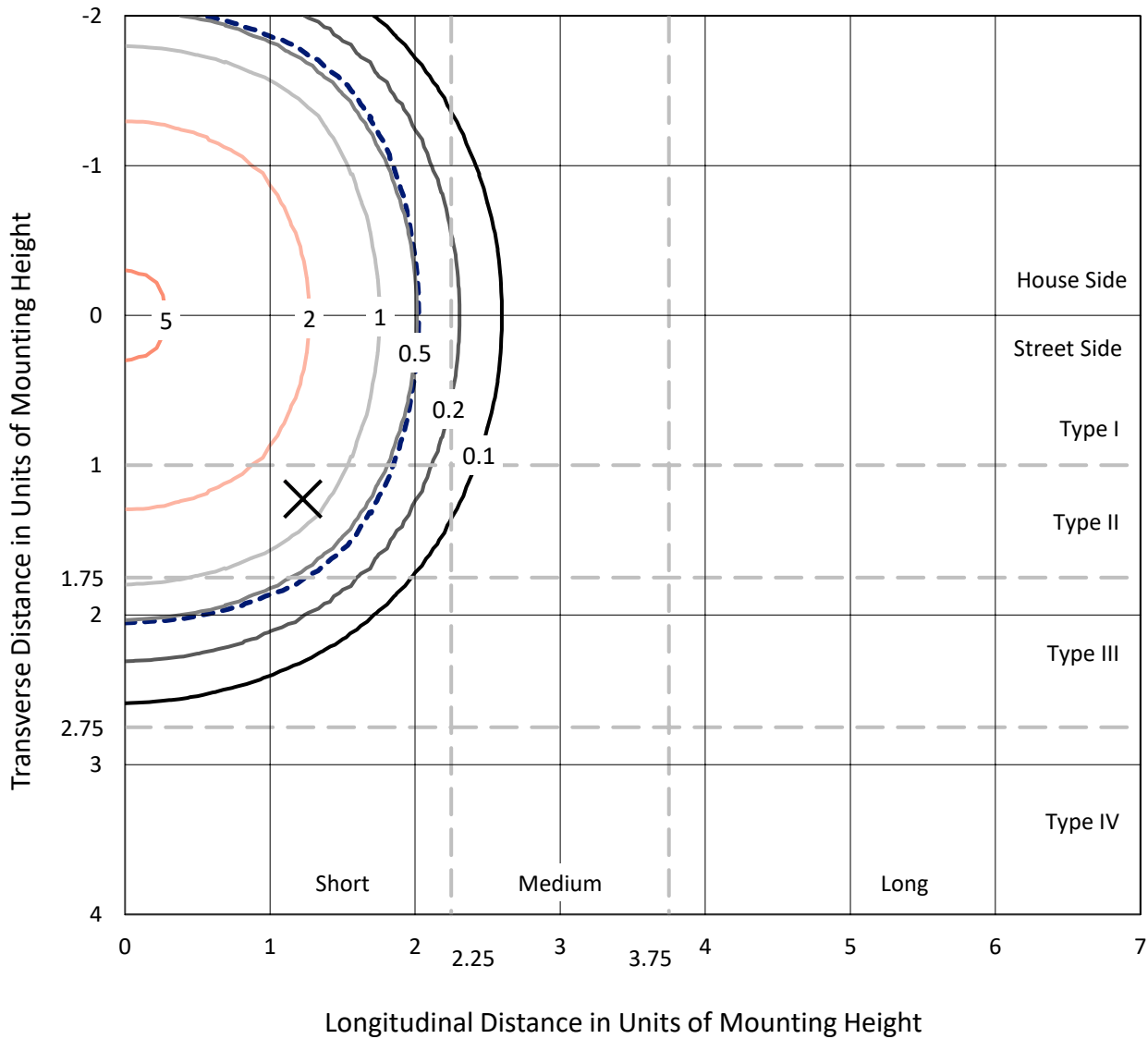
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

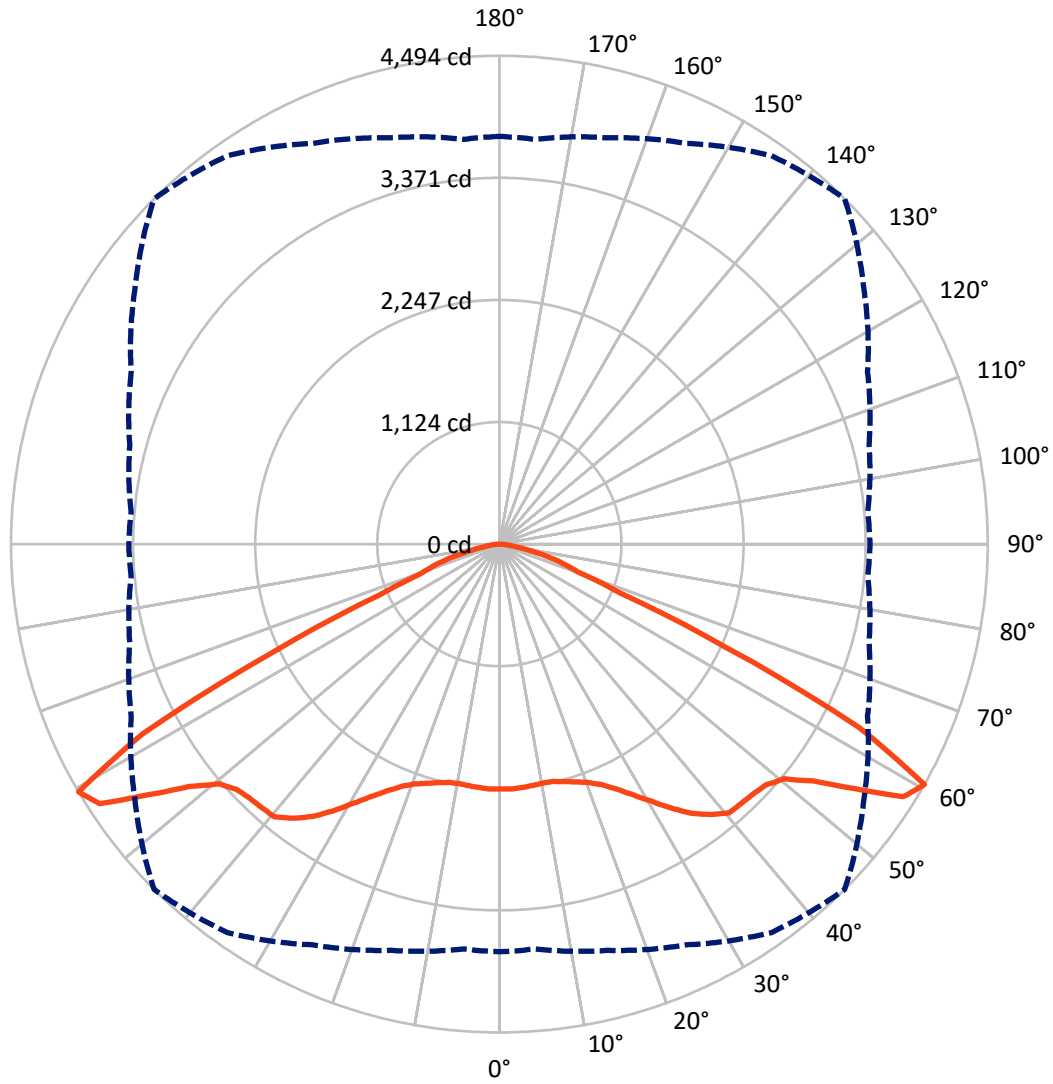
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	6166.5	0.0	6166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6166.5	0.0	6166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12333.0	0.0	12333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	1.7
10°-20°	642.9	5.2
20°-30°	1137.4	9.2
30°-40°	1831.3	14.8
40°-50°	2517.0	20.4
50°-60°	3354.2	27.2
60°-70°	2090.5	17.0
70°-80°	480.7	3.9
80°-90°	65.2	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°	12333.0	100.0
0°-180°	12333.0	100.0

Coefficient of Utilization



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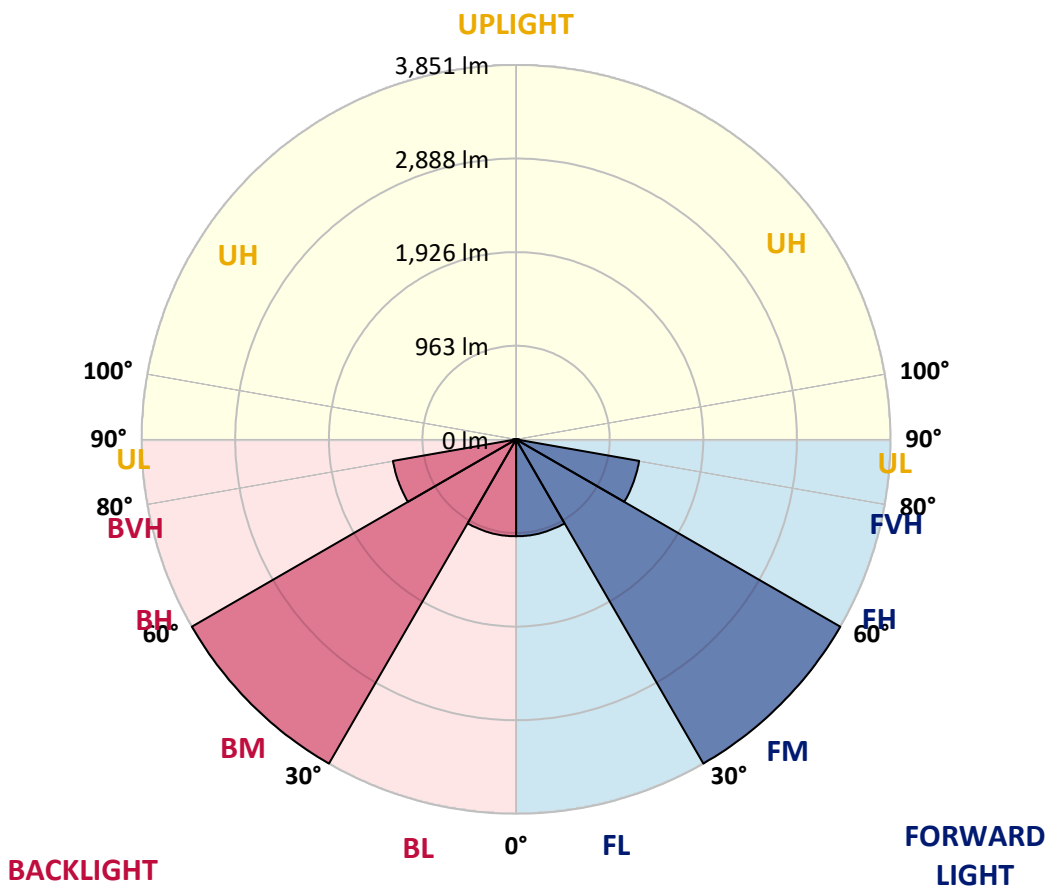
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	997.0	8.1			
FM (30°-60°)	3851.3	31.2			
FH (60°-80°)	1285.6	10.4			G1/1800
FVH (80°-90°)	32.6	0.3			G1/100
BL (0°-30°)	997.0	8.1	B2/1000		
BM (30°-60°)	3851.3	31.2	B3/5000		
BH (60°-80°)	1285.6	10.4	B3/2500		G1/1800
BVH (80°-90°)	32.6	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°	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8	2253.8
2.5°	2238.1	2240.2	2244.4	2247.6	2251.7	2255.9	2258.0	2253.8	2251.7	2243.4	2252.8
5°	2240.2	2242.3	2245.5	2245.5	2246.5	2249.7	2249.7	2244.4	2239.2	2229.8	2240.2
7.5°	2237.1	2239.2	2240.2	2239.2	2240.2	2241.3	2239.2	2232.9	2227.7	2219.3	2227.7
10°	2231.9	2233.9	2236.0	2233.9	2231.9	2235.0	2235.0	2230.8	2227.7	2219.3	2228.7
12.5°	2243.4	2246.5	2247.6	2242.3	2240.2	2241.3	2241.3	2237.1	2237.1	2229.8	2240.2
15°	2270.6	2272.7	2269.5	2263.3	2264.3	2267.4	2260.1	2249.7	2247.6	2244.4	2252.8
17.5°	2291.5	2293.6	2290.5	2286.3	2293.6	2300.9	2287.3	2267.4	2261.2	2259.1	2268.5
20°	2314.6	2317.7	2313.5	2318.7	2333.4	2341.8	2325.0	2297.8	2285.2	2282.1	2293.6
22.5°	2352.2	2356.4	2356.4	2367.9	2389.9	2403.5	2382.6	2346.0	2327.1	2321.9	2333.4
25°	2411.9	2415.1	2418.2	2441.2	2476.8	2495.7	2462.2	2411.9	2385.7	2377.4	2383.6
27.5°	2494.6	2499.8	2505.1	2538.6	2582.5	2609.8	2561.6	2498.8	2466.3	2449.6	2462.2
30°	2593.0	2600.3	2612.9	2650.6	2712.4	2742.7	2680.9	2604.5	2567.9	2550.1	2566.8
32.5°	2727.0	2728.1	2737.5	2779.3	2861.0	2895.5	2818.1	2733.3	2695.6	2674.7	2684.1
35°	2886.1	2887.2	2872.5	2915.4	3003.4	3042.1	2951.0	2865.2	2833.8	2827.5	2851.6
37.5°	3049.4	3040.0	3025.4	3044.2	3133.2	3158.3	3062.0	2988.7	2975.1	2986.6	3022.2
40°	3165.6	3149.9	3120.6	3134.2	3224.3	3253.6	3151.0	3081.9	3077.7	3106.0	3148.9
42.5°	3241.0	3224.3	3189.7	3189.7	3251.5	3264.0	3184.5	3147.8	3157.3	3189.7	3230.5
45°	3277.6	3268.2	3248.3	3237.9	3272.4	3277.6	3216.9	3202.3	3220.1	3235.8	3267.2
47.5°	3305.9	3305.9	3299.6	3289.2	3304.9	3308.0	3263.0	3258.8	3281.8	3281.8	3302.8
50°	3356.2	3361.4	3369.8	3367.7	3384.4	3394.9	3361.4	3355.1	3364.5	3334.2	3344.6
52.5°	3488.1	3501.7	3525.7	3544.6	3587.5	3620.0	3560.3	3510.0	3460.8	3393.8	3395.9
55°	3724.6	3730.9	3778.0	3833.5	3905.7	3971.7	3849.2	3693.2	3586.5	3507.9	3509.0
57.5°	3924.6	3934.0	4003.1	4119.3	4281.6	4384.1	4113.0	3852.4	3701.6	3605.3	3608.4
60°	3751.9	3739.3	3870.2	4069.1	4363.2	4494.1	4094.2	3738.3	3521.6	3402.2	3410.6
62.5°	2902.9	2878.8	3024.3	3232.6	3585.4	3716.3	3347.8	3006.5	2801.3	2708.2	2694.6
65°	1767.1	1745.1	1849.8	1977.5	2216.2	2298.9	2130.3	1949.2	1770.2	1713.7	1698.0
67.5°	962.0	958.9	987.2	1050.0	1154.7	1193.4	1160.9	1075.1	1029.0	989.3	989.3
70°	763.1	756.9	751.6	752.7	762.1	767.3	768.4	764.2	769.4	770.5	766.3
72.5°	632.3	630.2	619.7	620.8	616.6	614.5	621.8	626.0	634.4	635.4	635.4
75°	458.5	453.3	458.5	459.6	455.4	455.4	460.6	459.6	463.7	465.8	454.3
77.5°	260.7	260.7	268.0	276.4	282.6	282.6	287.9	287.9	293.1	292.1	290.0
80°	143.4	143.4	147.6	152.8	159.1	165.4	170.6	171.7	174.8	173.8	170.6
82.5°	81.7	82.7	84.8	87.9	94.2	99.4	104.7	105.7	108.9	108.9	105.7
85°	38.7	37.7	38.7	40.8	44.0	48.2	53.4	56.5	58.6	58.6	56.5
87.5°	7.3	8.4	7.3	8.4	9.4	12.6	14.7	16.7	19.9	20.9	18.8
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)