

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: P636810

Luminaire Tested: GWS-SA4B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636810
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12504.3 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

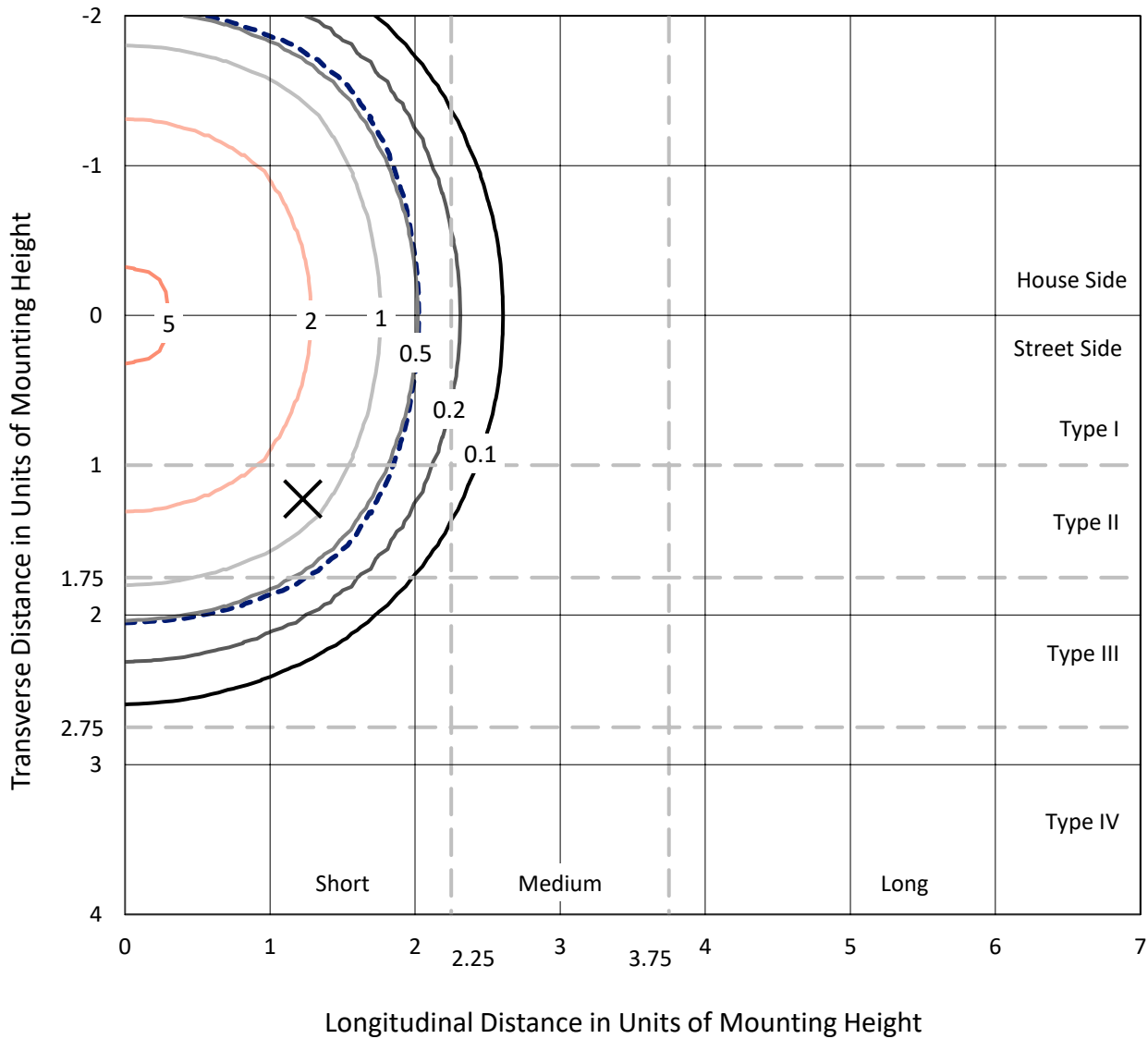
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

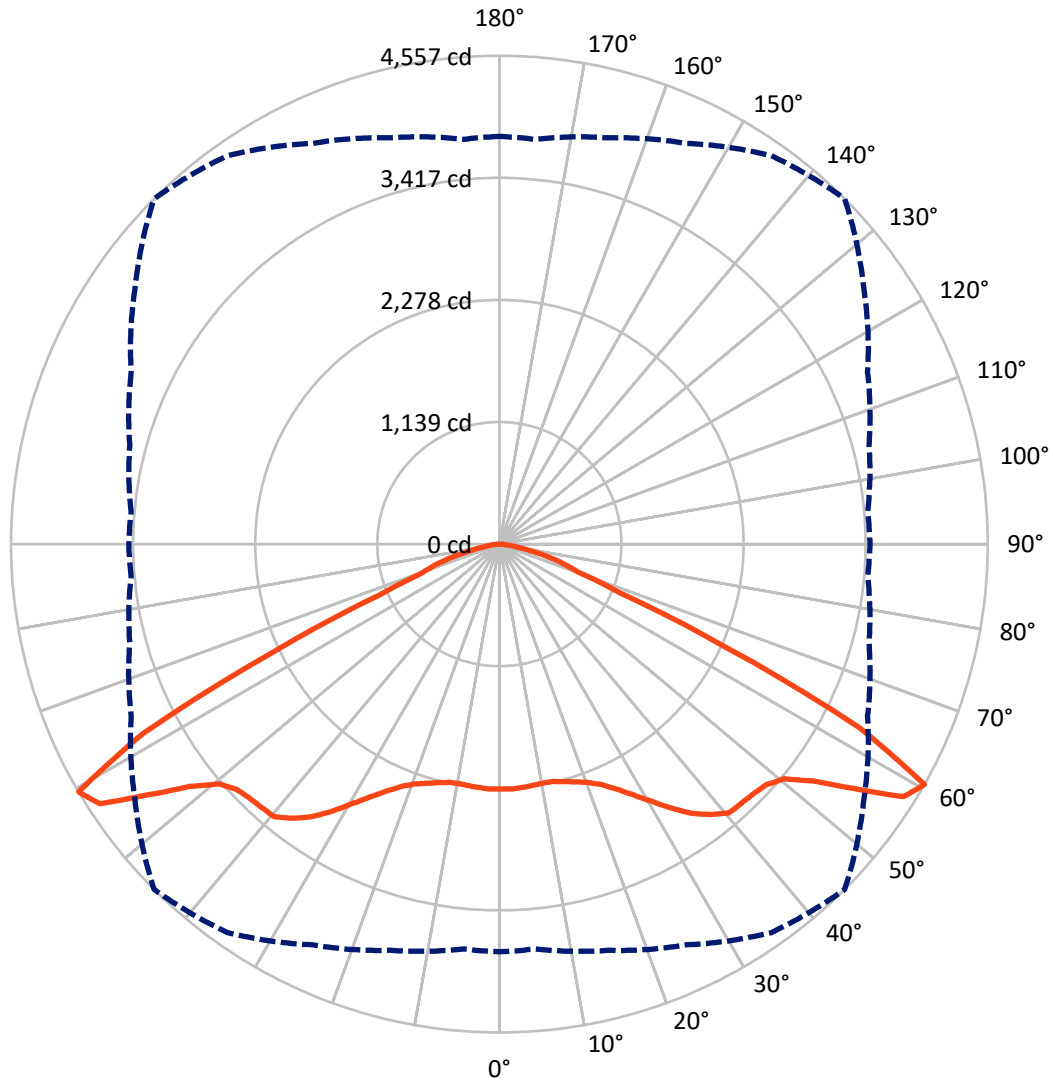
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	6252.2	0.0	6252.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6252.2	0.0	6252.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12504.3	0.0	12504.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.7	1.7
10°-20°	651.8	5.2
20°-30°	1153.2	9.2
30°-40°	1856.7	14.8
40°-50°	2552.0	20.4
50°-60°	3400.8	27.2
60°-70°	2119.5	17.0
70°-80°	487.4	3.9
80°-90°	66.1	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°	12504.3	100.0
0°-180°	12504.3	100.0

Coefficient of Utilization



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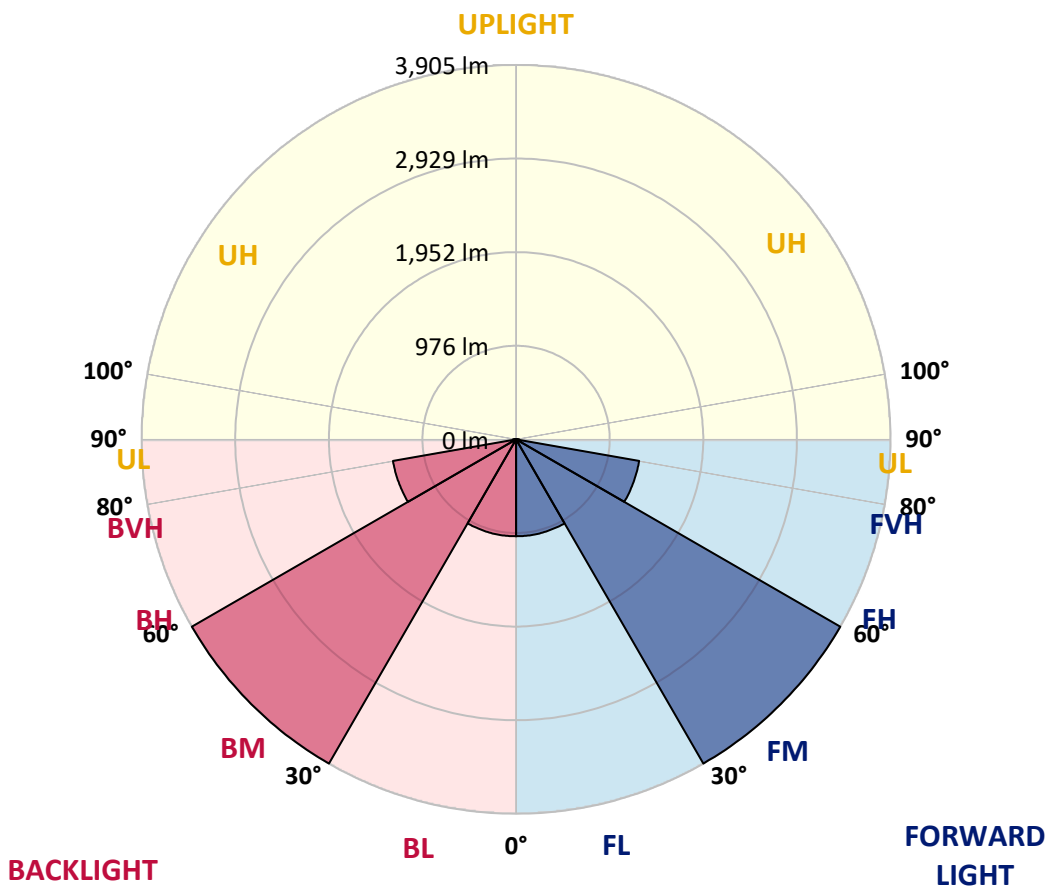
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.9	8.1			
FM (30°-60°)	3904.7	31.2			
FH (60°-80°)	1303.5	10.4			G1/1800
FVH (80°-90°)	33.1	0.3			G1/100
BL (0°-30°)	1010.9	8.1	B3/2500		
BM (30°-60°)	3904.7	31.2	B3/5000		
BH (60°-80°)	1303.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	33.1	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°	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1	2285.1
2.5°	2269.2	2271.3	2275.6	2278.8	2283.0	2287.3	2289.4	2285.1	2283.0	2274.5	2284.1
5°	2271.3	2273.5	2276.7	2276.7	2277.7	2280.9	2280.9	2275.6	2270.3	2260.7	2271.3
7.5°	2268.2	2270.3	2271.3	2270.3	2271.3	2272.4	2270.3	2263.9	2258.6	2250.1	2258.6
10°	2262.9	2265.0	2267.1	2265.0	2262.9	2266.0	2266.0	2261.8	2258.6	2250.1	2259.7
12.5°	2274.5	2277.7	2278.8	2273.5	2271.3	2272.4	2272.4	2268.2	2268.2	2260.7	2271.3
15°	2302.1	2304.2	2301.1	2294.7	2295.8	2298.9	2291.5	2280.9	2278.8	2275.6	2284.1
17.5°	2323.4	2325.5	2322.3	2318.0	2325.5	2332.9	2319.1	2298.9	2292.6	2290.4	2300.0
20°	2346.7	2349.9	2345.6	2350.9	2365.8	2374.3	2357.3	2329.7	2317.0	2313.8	2325.5
22.5°	2384.9	2389.2	2389.2	2400.8	2423.1	2436.9	2415.7	2378.5	2359.4	2354.1	2365.8
25°	2445.4	2448.6	2451.8	2475.1	2511.2	2530.3	2496.4	2445.4	2418.9	2410.4	2416.8
27.5°	2529.3	2534.6	2539.9	2573.8	2618.4	2646.0	2597.2	2533.5	2500.6	2483.6	2496.4
30°	2629.0	2636.5	2649.2	2687.4	2750.0	2780.8	2718.2	2640.7	2603.6	2585.5	2602.5
32.5°	2764.9	2765.9	2775.5	2818.0	2900.7	2935.8	2857.2	2771.3	2733.0	2711.8	2721.4
35°	2926.2	2927.3	2912.4	2955.9	3045.1	3084.4	2992.0	2905.0	2873.1	2866.8	2891.2
37.5°	3091.8	3082.2	3067.4	3086.5	3176.7	3202.2	3104.5	3030.2	3016.4	3028.1	3064.2
40°	3209.6	3193.7	3164.0	3177.8	3269.0	3298.8	3194.7	3124.7	3120.4	3149.1	3192.6
42.5°	3286.0	3269.0	3234.0	3234.0	3296.6	3309.4	3228.7	3191.6	3201.1	3234.0	3275.4
45°	3323.2	3313.6	3293.5	3282.8	3317.9	3323.2	3261.6	3246.7	3264.8	3280.7	3312.6
47.5°	3351.8	3351.8	3345.5	3334.8	3350.8	3353.9	3308.3	3304.1	3327.4	3327.4	3348.6
50°	3402.8	3408.1	3416.6	3414.4	3431.4	3442.0	3408.1	3401.7	3411.3	3380.5	3391.1
52.5°	3536.5	3550.3	3574.7	3593.8	3637.3	3670.2	3609.7	3558.8	3508.9	3441.0	3443.1
55°	3776.4	3782.7	3830.5	3886.8	3960.0	4026.9	3902.7	3744.5	3636.3	3556.7	3557.7
57.5°	3979.1	3988.7	4058.7	4176.5	4341.0	4445.0	4170.1	3905.9	3753.0	3655.4	3658.6
60°	3804.0	3791.2	3923.9	4125.6	4423.8	4556.5	4151.0	3790.2	3570.5	3449.5	3458.0
62.5°	2943.2	2918.8	3066.3	3277.5	3635.2	3767.9	3394.3	3048.3	2840.2	2745.8	2732.0
65°	1791.6	1769.3	1875.5	2004.9	2246.9	2330.8	2159.9	1976.3	1794.8	1737.5	1721.6
67.5°	975.4	972.2	1000.9	1064.6	1170.7	1210.0	1177.1	1090.0	1043.3	1003.0	1003.0
70°	773.7	767.4	762.1	763.1	772.7	778.0	779.1	774.8	780.1	781.2	776.9
72.5°	641.1	638.9	628.3	629.4	625.2	623.0	630.5	634.7	643.2	644.3	644.3
75°	464.9	459.6	464.9	465.9	461.7	461.7	467.0	465.9	470.2	472.3	460.6
77.5°	264.3	264.3	271.7	280.2	286.6	286.6	291.9	291.9	297.2	296.1	294.0
80°	145.4	145.4	149.7	155.0	161.3	167.7	173.0	174.1	177.2	176.2	173.0
82.5°	82.8	83.8	86.0	89.2	95.5	100.8	106.1	107.2	110.4	110.4	107.2
85°	39.3	38.2	39.3	41.4	44.6	48.8	54.1	57.3	59.4	59.4	57.3
87.5°	7.4	8.5	7.4	8.5	9.6	12.7	14.9	17.0	20.2	21.2	19.1
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)