

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: P637193

Luminaire Tested: GWS-SA4C-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20010.9 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

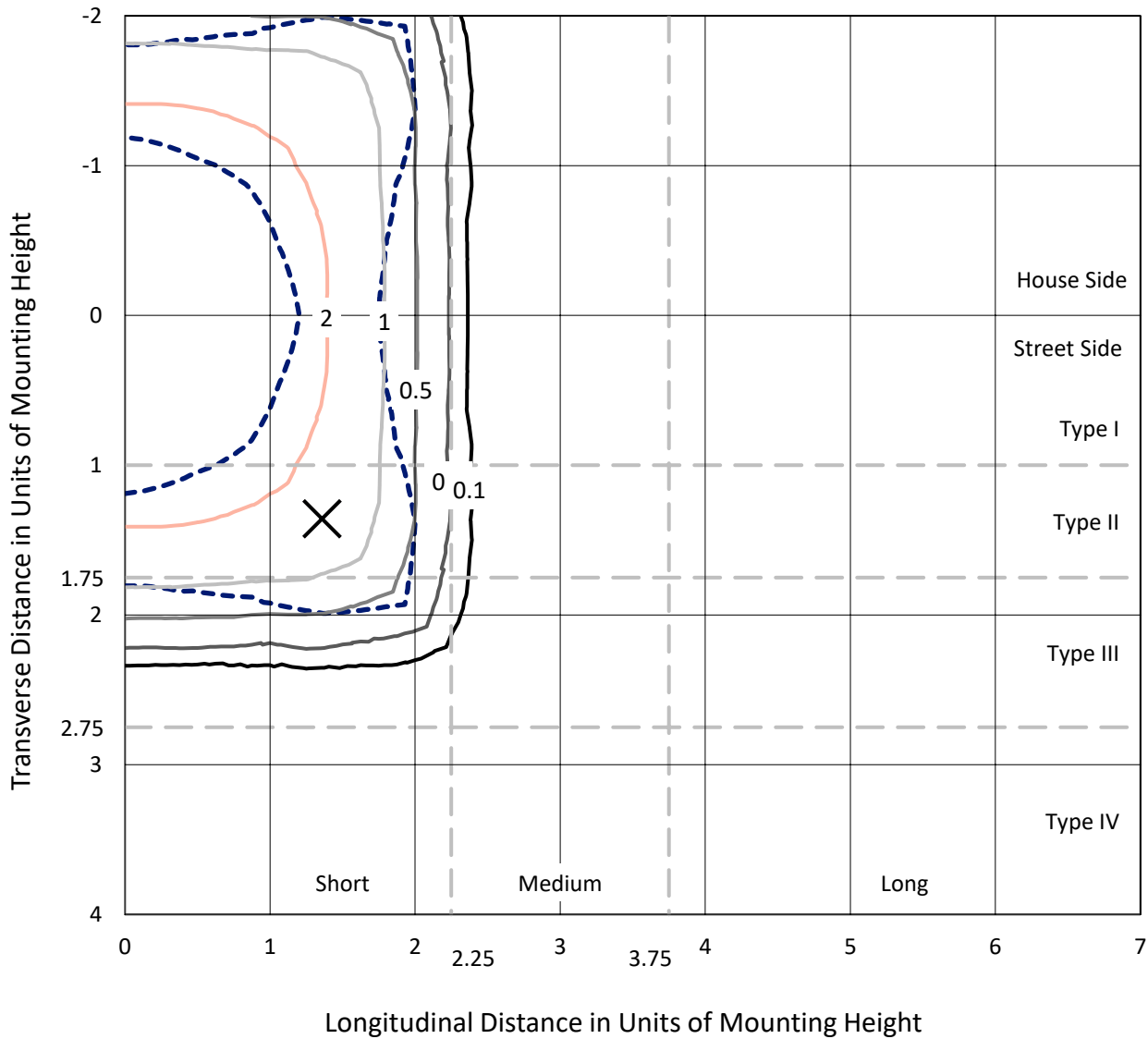
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

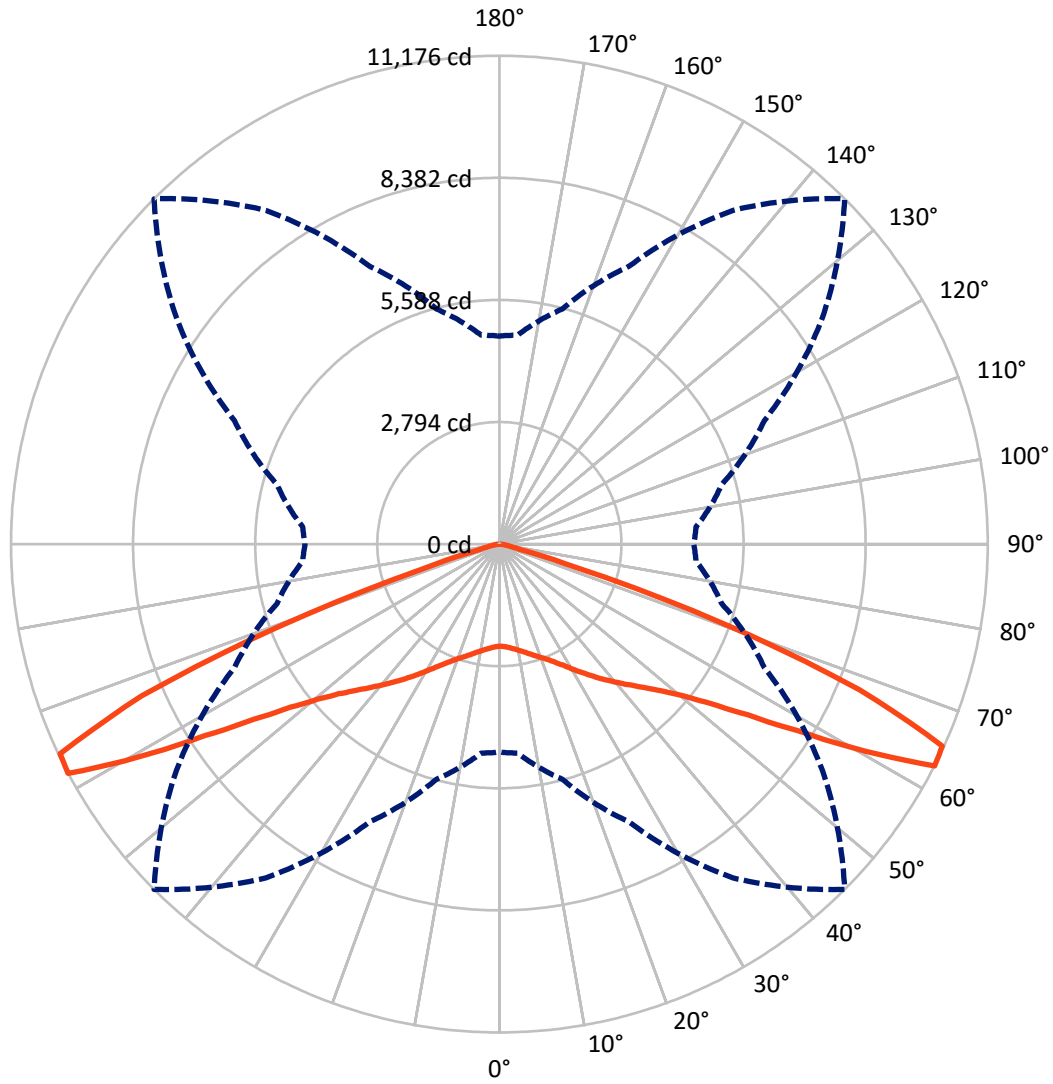
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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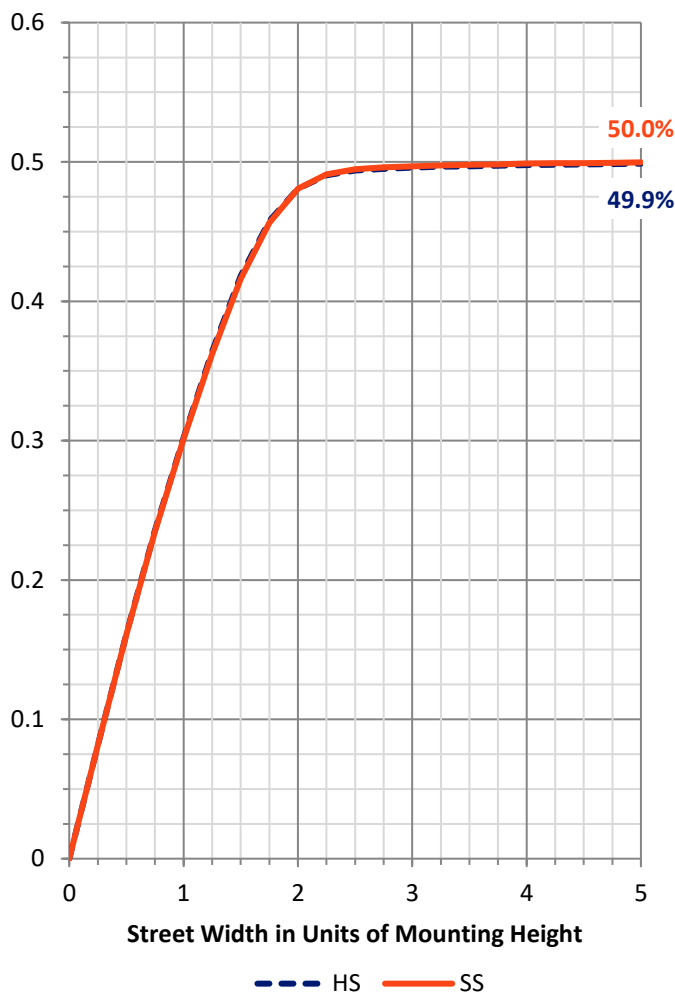
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10005.4	0.0	10005.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10005.4	0.0	10005.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	20010.9	0.0	20010.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	1.1
10°-20°	738.7	3.7
20°-30°	1397.4	7.0
30°-40°	2352.1	11.8
40°-50°	3757.9	18.8
50°-60°	6057.6	30.3
60°-70°	4942.3	24.7
70°-80°	479.9	2.4
80°-90°	55.8	0.3
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°	20010.9	100.0
0°-180°	20010.9	100.0

Coefficient of Utilization



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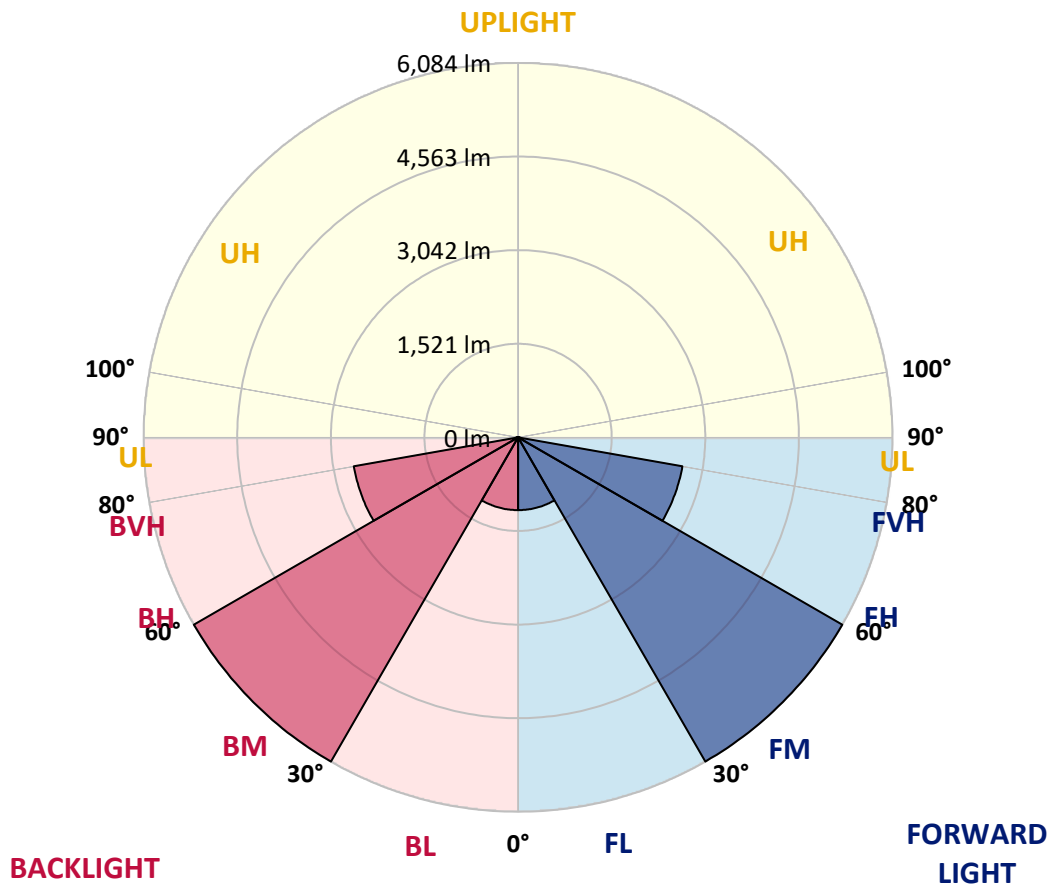
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.6	5.9			
FM (30°-60°)	6083.8	30.4			
FH (60°-80°)	2711.1	13.5			G2/5000
FVH (80°-90°)	27.9	0.1			G1/100
BL (0°-30°)	1182.6	5.9	B3/2500		
BM (30°-60°)	6083.8	30.4	B4/8500		
BH (60°-80°)	2711.1	13.5	B4/5000		G2/5000
BVH (80°-90°)	27.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5	2334.5
2.5°	2331.8	2331.8	2337.3	2341.4	2338.7	2349.6	2348.3	2345.5	2344.1	2340.0	2352.4
5°	2363.4	2363.4	2367.5	2371.6	2364.7	2378.5	2373.0	2370.2	2368.9	2363.4	2374.3
7.5°	2399.0	2403.2	2404.5	2411.4	2407.3	2422.4	2418.3	2412.8	2410.0	2403.2	2412.8
10°	2438.8	2441.6	2443.0	2455.3	2456.7	2474.5	2470.4	2463.6	2458.1	2451.2	2464.9
12.5°	2492.4	2493.7	2497.9	2513.0	2517.1	2530.8	2529.4	2519.8	2513.0	2503.4	2518.4
15°	2561.0	2562.4	2569.2	2584.3	2591.2	2607.7	2602.2	2587.1	2577.5	2566.5	2578.8
17.5°	2632.4	2637.9	2644.7	2659.8	2669.4	2688.6	2681.8	2665.3	2657.1	2646.1	2654.3
20°	2724.3	2725.7	2729.8	2746.3	2753.1	2775.1	2776.5	2760.0	2755.9	2744.9	2757.3
22.5°	2825.9	2827.3	2831.4	2849.2	2861.6	2875.3	2883.5	2873.9	2867.1	2853.3	2868.4
25°	2938.4	2952.1	2956.3	2978.2	2991.9	3000.2	3009.8	3005.7	2996.1	2979.6	2986.5
27.5°	3096.3	3099.0	3105.9	3130.6	3138.8	3147.0	3156.6	3158.0	3144.3	3125.1	3134.7
30°	3276.0	3274.7	3289.8	3309.0	3315.8	3322.7	3336.4	3344.7	3326.8	3306.2	3315.8
32.5°	3460.0	3476.4	3495.6	3513.5	3509.4	3512.1	3534.1	3549.2	3524.5	3487.4	3495.6
35°	3667.2	3678.2	3702.9	3729.0	3723.5	3719.3	3733.1	3748.2	3713.9	3665.8	3678.2
37.5°	3879.9	3896.4	3933.4	3965.0	3956.8	3937.6	3952.7	3969.1	3936.2	3881.3	3875.8
40°	4117.4	4143.4	4197.0	4223.0	4201.1	4164.0	4190.1	4229.9	4197.0	4133.8	4118.7
42.5°	4396.0	4427.5	4481.1	4520.9	4472.8	4412.4	4456.4	4514.0	4505.8	4422.0	4396.0
45°	4740.5	4761.0	4826.9	4846.1	4774.8	4691.0	4770.6	4858.5	4837.9	4747.3	4713.0
47.5°	5115.1	5146.7	5204.3	5240.0	5124.7	5020.4	5131.6	5249.6	5227.7	5142.6	5102.8
50°	5592.7	5633.9	5709.4	5739.6	5580.4	5461.0	5603.7	5753.3	5710.8	5596.9	5544.7
52.5°	6112.9	6145.8	6274.9	6335.2	6185.6	6056.6	6181.5	6328.4	6237.8	6086.8	6016.8
55°	6571.3	6604.2	6793.6	6994.0	6987.2	6897.9	6961.1	6963.8	6718.2	6468.4	6394.3
57.5°	6670.1	6703.1	7064.0	7588.3	7958.9	8061.8	7876.5	7486.7	6867.8	6429.9	6346.2
60°	6143.1	6180.2	6753.8	7711.8	8930.5	9618.1	8764.5	7475.7	6405.2	5812.3	5732.7
62.5°	4759.7	4799.5	5570.8	7009.1	9323.1	11175.9	9022.5	6689.3	5268.8	4518.1	4448.1
65°	2272.8	2272.8	3252.7	5027.3	8540.8	11138.8	8275.9	4949.1	3171.7	2436.1	2375.7
67.5°	562.7	565.5	837.2	1957.1	5809.6	8889.4	5904.3	2375.7	1117.2	790.5	769.9
70°	351.3	350.0	388.4	529.8	2032.6	5395.1	2414.1	716.4	454.3	400.8	398.0
72.5°	273.1	273.1	292.3	339.0	532.5	1837.7	704.1	398.0	329.4	296.4	296.4
75°	215.5	215.5	229.2	253.9	314.3	473.5	374.7	295.1	255.3	233.3	230.6
77.5°	160.6	163.3	174.3	190.8	214.1	266.3	237.4	222.3	199.0	182.5	177.0
80°	104.3	108.4	122.1	131.8	140.0	175.7	155.1	161.9	151.0	131.8	129.0
82.5°	56.3	57.6	74.1	76.9	79.6	96.1	98.8	102.9	107.1	83.7	78.2
85°	20.6	20.6	24.7	28.8	31.6	34.3	46.7	57.6	60.4	48.0	46.7
87.5°	4.1	4.1	4.1	2.7	2.7	2.7	8.2	15.1	24.7	19.2	19.2
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)