

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: P637303

Luminaire Tested: GWS-SA4C-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637303
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-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20753.9 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

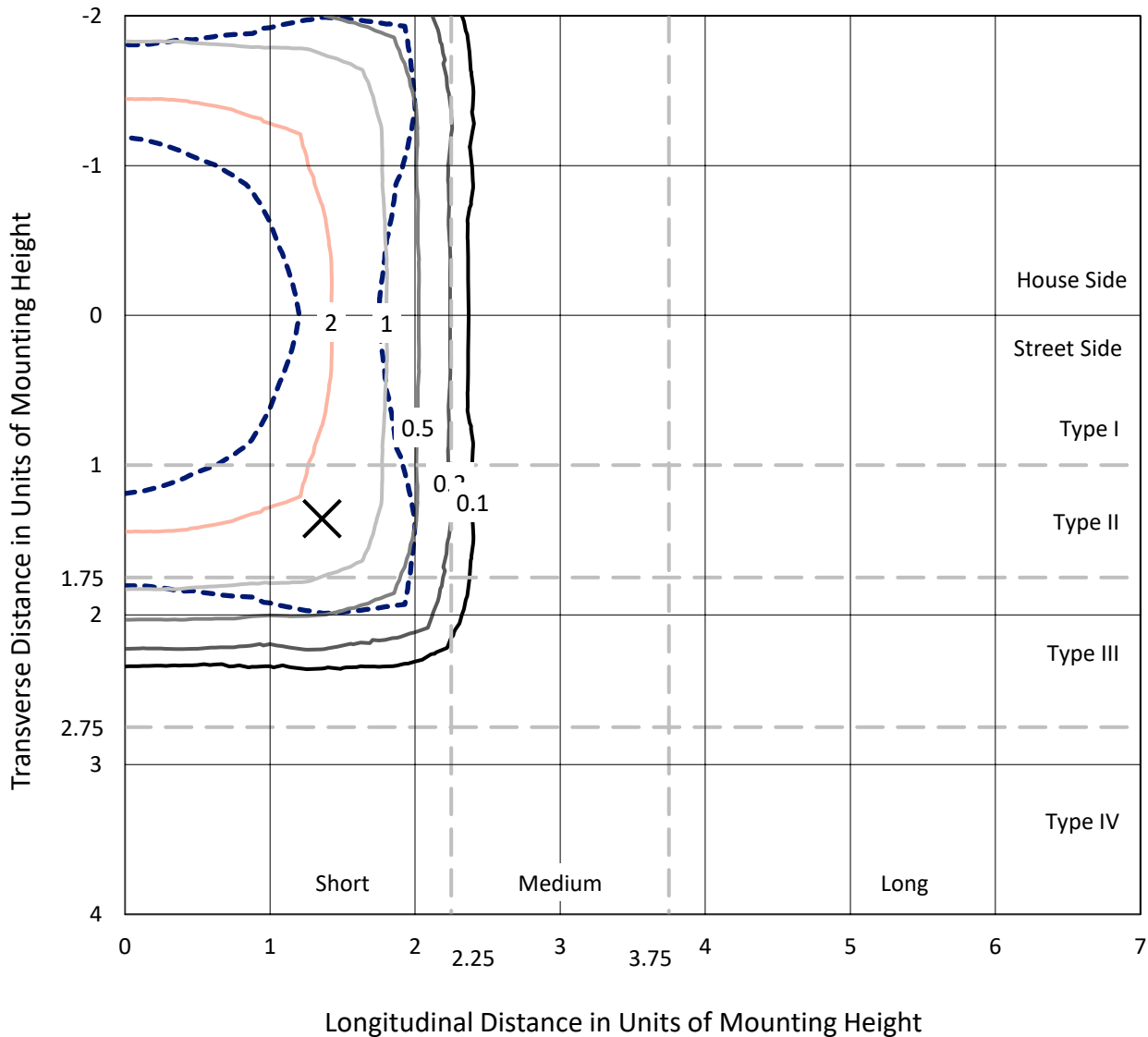
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

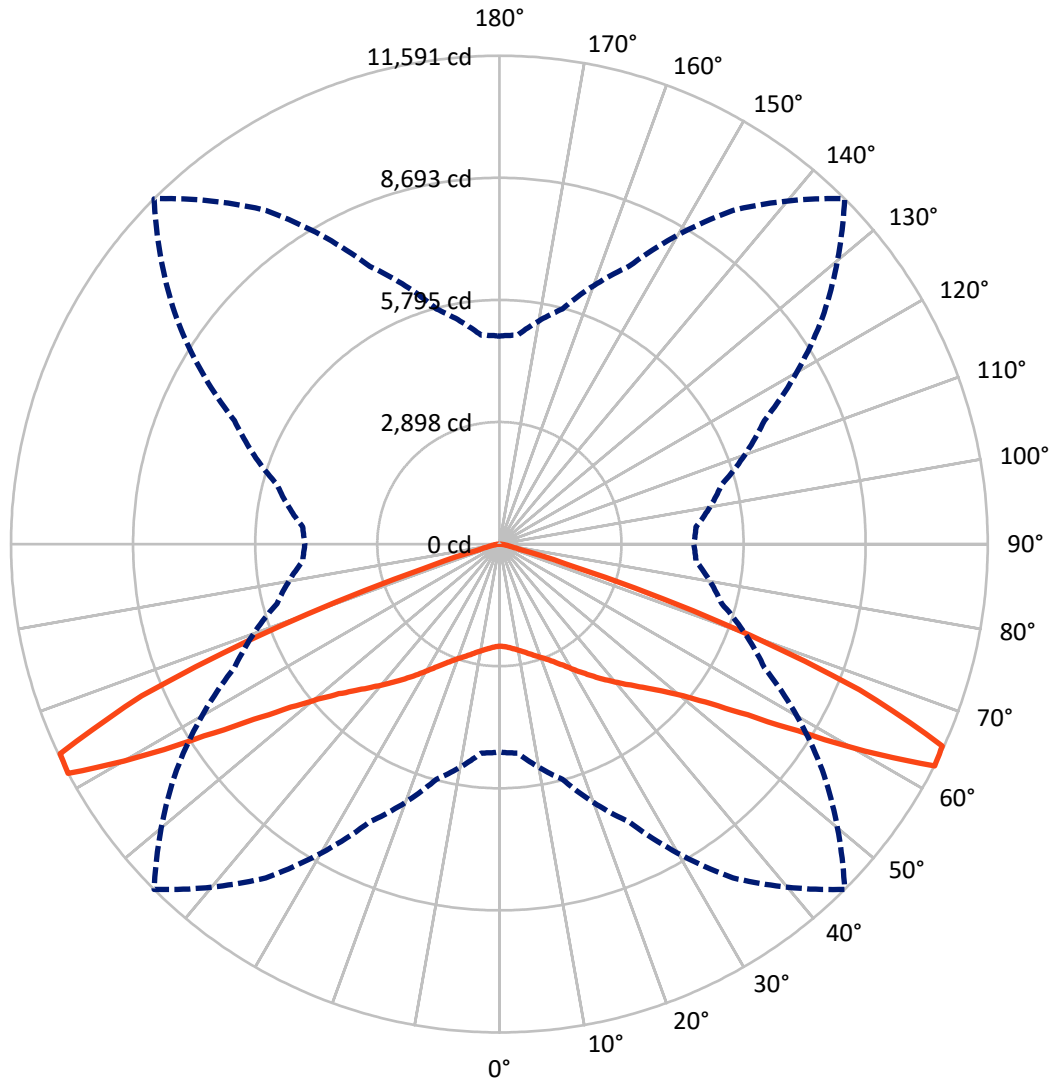
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	10376.9	0.0	10376.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10376.9	0.0	10376.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	20753.9	0.0	20753.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.6	1.1
10°-20°	766.1	3.7
20°-30°	1449.3	7.0
30°-40°	2439.4	11.8
40°-50°	3897.5	18.8
50°-60°	6282.5	30.3
60°-70°	5125.8	24.7
70°-80°	497.8	2.4
80°-90°	57.9	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°	20753.9	100.0
0°-180°	20753.9	100.0

Coefficient of Utilization



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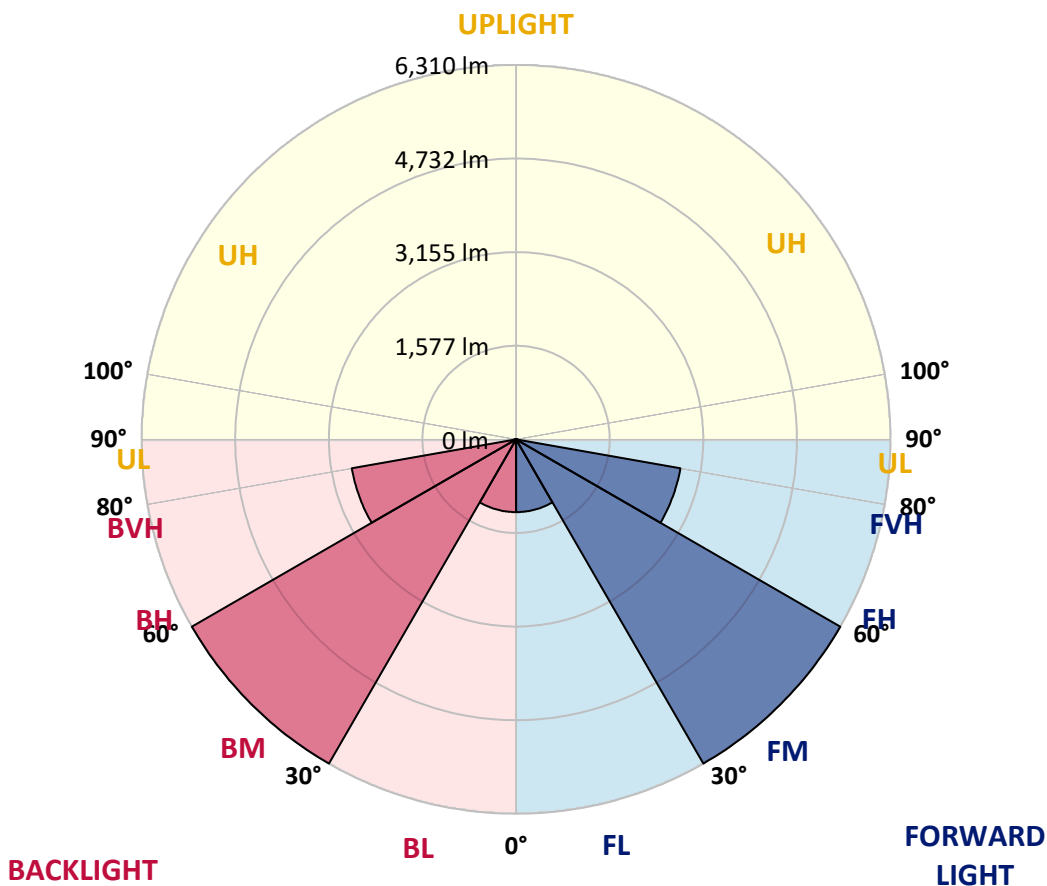
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.5	5.9			
FM (30°-60°)	6309.7	30.4			
FH (60°-80°)	2811.8	13.5			G2/5000
FVH (80°-90°)	29.0	0.1			G1/100
BL (0°-30°)	1226.5	5.9	B3/2500		
BM (30°-60°)	6309.7	30.4	B4/8500		
BH (60°-80°)	2811.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	29.0	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°	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2	2421.2
2.5°	2418.4	2418.4	2424.1	2428.3	2425.5	2436.9	2435.5	2432.6	2431.2	2426.9	2439.7
5°	2451.1	2451.1	2455.4	2459.7	2452.5	2466.8	2461.1	2458.2	2456.8	2451.1	2462.5
7.5°	2488.1	2492.4	2493.8	2500.9	2496.7	2512.3	2508.1	2502.4	2499.5	2492.4	2502.4
10°	2529.4	2532.2	2533.7	2546.5	2547.9	2566.4	2562.1	2555.0	2549.3	2542.2	2556.4
12.5°	2584.9	2586.3	2590.6	2606.3	2610.5	2624.8	2623.3	2613.4	2606.3	2596.3	2612.0
15°	2656.1	2657.5	2664.6	2680.3	2687.4	2704.5	2698.8	2683.1	2673.2	2661.8	2674.6
17.5°	2730.1	2735.8	2742.9	2758.6	2768.5	2788.5	2781.3	2764.3	2755.7	2744.3	2752.9
20°	2825.5	2826.9	2831.2	2848.2	2855.4	2878.1	2879.6	2862.5	2858.2	2846.8	2859.6
22.5°	2930.8	2932.2	2936.5	2955.0	2967.8	2982.0	2990.6	2980.6	2973.5	2959.3	2974.9
25°	3047.5	3061.8	3066.0	3088.8	3103.0	3111.6	3121.5	3117.3	3107.3	3090.2	3097.3
27.5°	3211.2	3214.1	3221.2	3246.8	3255.3	3263.9	3273.8	3275.3	3261.0	3241.1	3251.1
30°	3397.7	3396.3	3411.9	3431.8	3439.0	3446.1	3460.3	3468.9	3450.3	3429.0	3439.0
32.5°	3588.4	3605.5	3625.4	3643.9	3639.7	3642.5	3665.3	3680.9	3655.3	3616.9	3625.4
35°	3803.4	3814.7	3840.4	3867.4	3861.7	3857.4	3871.7	3887.3	3851.8	3801.9	3814.7
37.5°	4024.0	4041.1	4079.5	4112.2	4103.7	4083.8	4099.4	4116.5	4082.3	4025.4	4019.7
40°	4270.2	4297.3	4352.8	4379.8	4357.1	4318.6	4345.7	4387.0	4352.8	4287.3	4271.7
42.5°	4559.2	4591.9	4647.4	4688.7	4638.9	4576.3	4621.8	4681.6	4673.1	4586.2	4559.2
45°	4916.5	4937.8	5006.1	5026.1	4952.0	4865.2	4947.8	5038.9	5017.5	4923.6	4888.0
47.5°	5305.1	5337.8	5397.6	5434.6	5315.0	5206.8	5322.1	5444.5	5421.8	5333.5	5292.2
50°	5800.4	5843.1	5921.4	5952.7	5787.6	5663.8	5811.8	5966.9	5922.8	5804.7	5750.6
52.5°	6339.9	6374.0	6507.8	6570.5	6415.3	6281.5	6411.0	6563.3	6469.4	6312.8	6240.2
55°	6815.3	6849.5	7045.9	7253.7	7246.6	7154.1	7219.5	7222.4	6967.6	6708.5	6631.7
57.5°	6917.8	6951.9	7326.3	7870.0	8254.4	8361.1	8169.0	7764.7	7122.7	6668.7	6581.9
60°	6371.2	6409.6	7004.6	7998.1	9262.1	9975.3	9089.9	7753.3	6643.1	6028.1	5945.6
62.5°	4936.4	4977.7	5777.6	7269.4	9669.2	11590.8	9357.5	6937.7	5464.5	4685.9	4613.3
65°	2357.2	2357.2	3373.5	5214.0	8857.9	11552.4	8583.2	5132.8	3289.5	2526.6	2463.9
67.5°	583.6	586.4	868.3	2029.8	6025.3	9219.4	6123.5	2463.9	1158.7	819.9	798.5
70°	364.4	363.0	402.8	549.4	2108.1	5595.4	2503.8	743.0	471.1	415.6	412.8
72.5°	283.3	283.3	303.2	351.6	552.3	1905.9	730.2	412.8	341.6	307.5	307.5
75°	223.5	223.5	237.7	263.3	326.0	491.1	388.6	306.0	264.8	242.0	239.1
77.5°	166.5	169.4	180.8	197.9	222.1	276.1	246.3	230.6	206.4	189.3	183.6
80°	108.2	112.4	126.7	136.6	145.2	182.2	160.8	168.0	156.6	136.6	133.8
82.5°	58.4	59.8	76.9	79.7	82.6	99.6	102.5	106.8	111.0	86.8	81.1
85°	21.4	21.4	25.6	29.9	32.7	35.6	48.4	59.8	62.6	49.8	48.4
87.5°	4.3	4.3	4.3	2.8	2.8	2.8	8.5	15.7	25.6	19.9	19.9
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)