

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: P637358

Luminaire Tested: GWS-SA4C-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637358
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20469.5 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

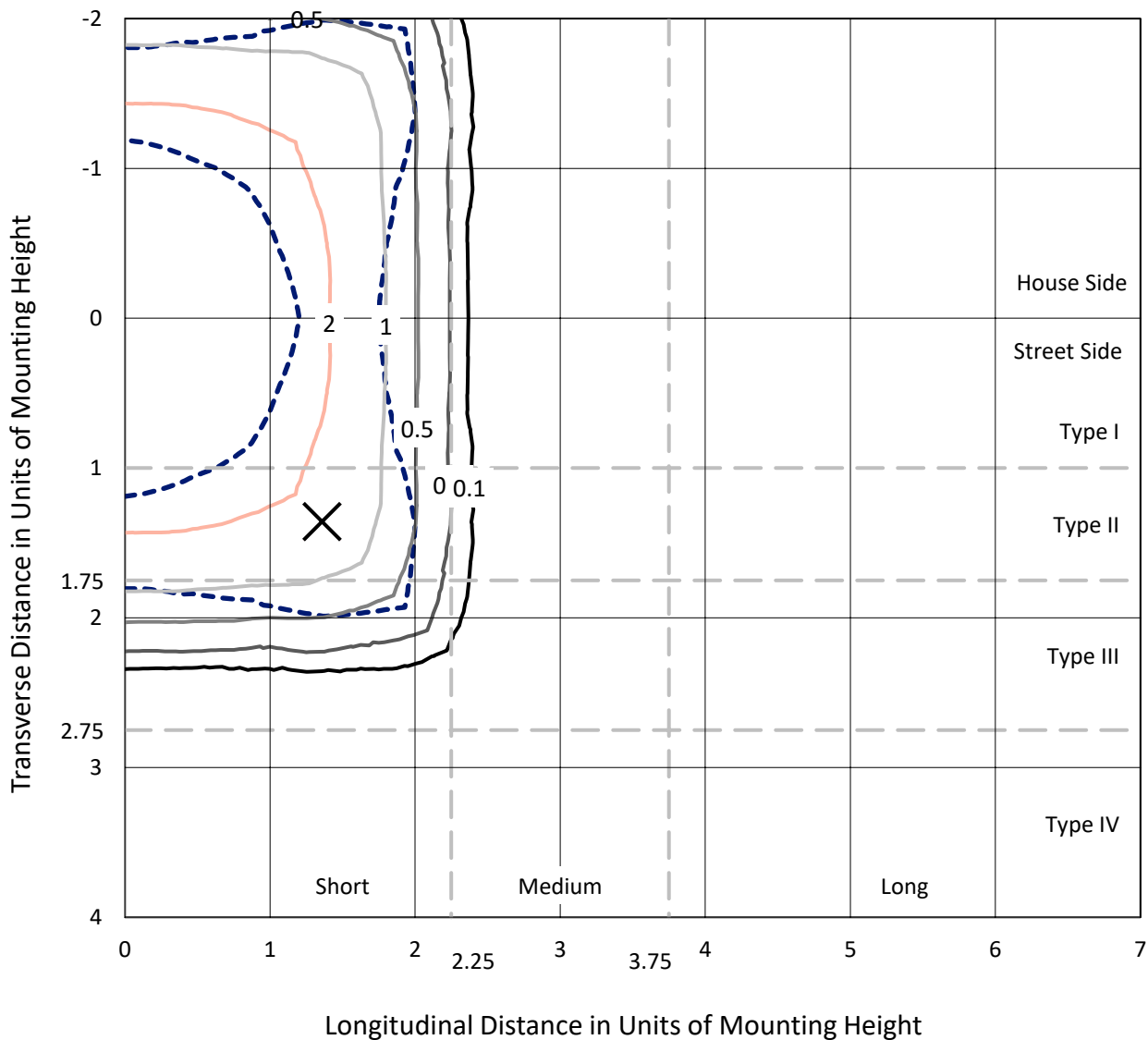
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

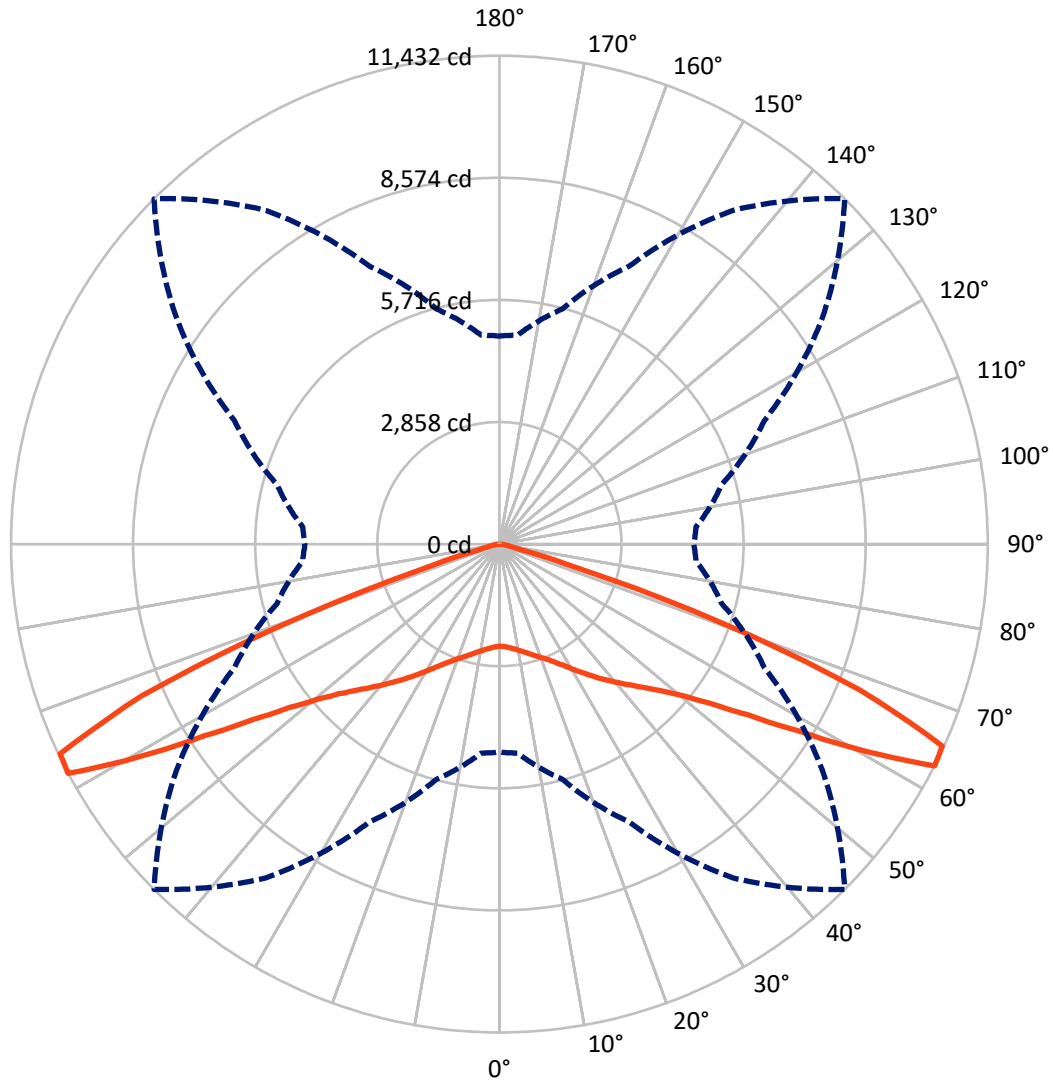
✕ Max cd
 - - - 1/2 Max cd



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	10234.7	0.0	10234.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10234.7	0.0	10234.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20469.5	0.0	20469.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	1.1
10°-20°	755.6	3.7
20°-30°	1429.5	7.0
30°-40°	2406.0	11.8
40°-50°	3844.1	18.8
50°-60°	6196.4	30.3
60°-70°	5055.6	24.7
70°-80°	490.9	2.4
80°-90°	57.1	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°	20469.5	100.0
0°-180°	20469.5	100.0

Coefficient of Utilization



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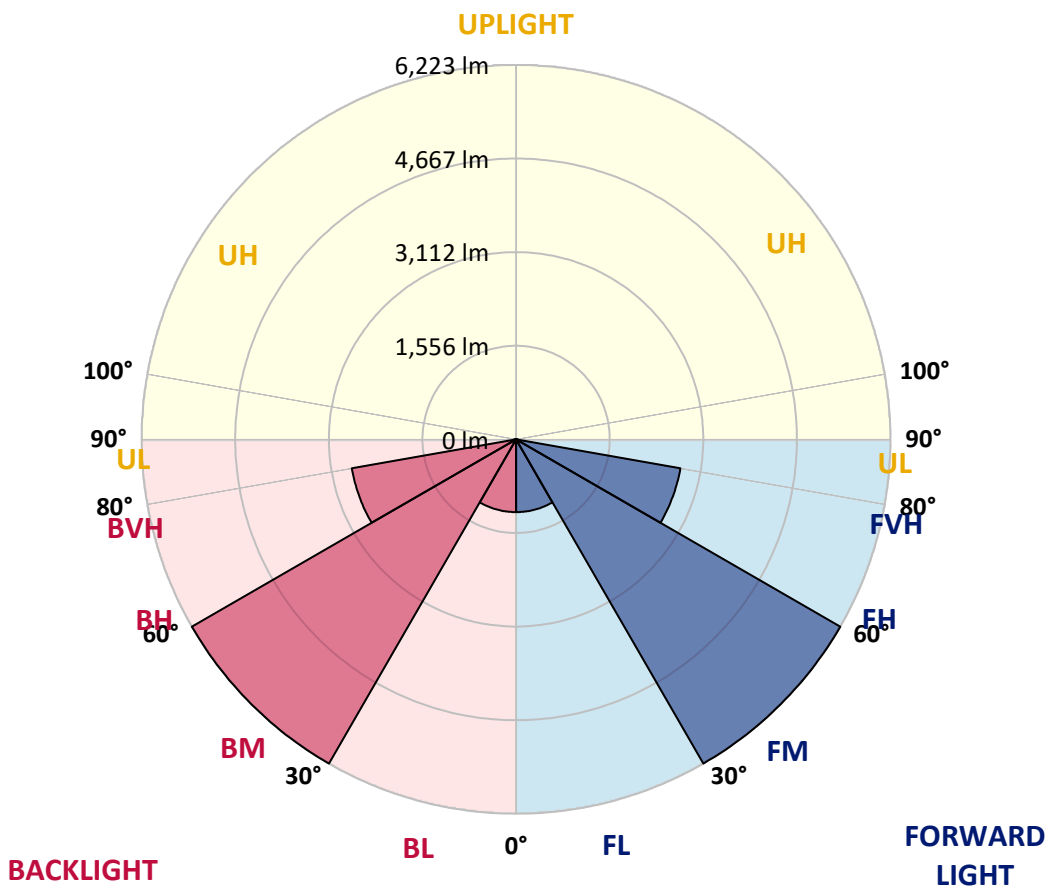
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.7	5.9			
FM (30°-60°)	6223.2	30.4			
FH (60°-80°)	2773.3	13.5			G2/5000
FVH (80°-90°)	28.6	0.1			G1/100
BL (0°-30°)	1209.7	5.9	B3/2500		
BM (30°-60°)	6223.2	30.4	B4/8500		
BH (60°-80°)	2773.3	13.5	B4/5000		G2/5000
BVH (80°-90°)	28.6	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°	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0	2388.0
2.5°	2385.2	2385.2	2390.9	2395.1	2392.3	2403.5	2402.1	2399.3	2397.9	2393.7	2406.3
5°	2417.5	2417.5	2421.7	2425.9	2418.9	2433.0	2427.4	2424.5	2423.1	2417.5	2428.8
7.5°	2454.0	2458.2	2459.6	2466.7	2462.5	2477.9	2473.7	2468.1	2465.3	2458.2	2468.1
10°	2494.7	2497.5	2499.0	2511.6	2513.0	2531.2	2527.0	2520.0	2514.4	2507.4	2521.4
12.5°	2549.5	2550.9	2555.1	2570.6	2574.8	2588.8	2587.4	2577.6	2570.6	2560.7	2576.2
15°	2619.7	2621.1	2628.1	2643.6	2650.6	2667.4	2661.8	2646.4	2636.5	2625.3	2637.9
17.5°	2692.7	2698.3	2705.3	2720.8	2730.6	2750.3	2743.2	2726.4	2718.0	2706.7	2715.2
20°	2786.8	2788.2	2792.4	2809.2	2816.2	2838.7	2840.1	2823.3	2819.0	2807.8	2820.4
22.5°	2890.6	2892.0	2896.3	2914.5	2927.1	2941.2	2949.6	2939.8	2932.8	2918.7	2934.2
25°	3005.8	3019.8	3024.0	3046.5	3060.5	3068.9	3078.8	3074.6	3064.7	3047.9	3054.9
27.5°	3167.2	3170.0	3177.0	3202.3	3210.7	3219.2	3229.0	3230.4	3216.3	3196.7	3206.5
30°	3351.1	3349.7	3365.2	3384.8	3391.8	3398.9	3412.9	3421.3	3403.1	3382.0	3391.8
32.5°	3539.2	3556.1	3575.7	3594.0	3589.8	3592.6	3615.1	3630.5	3605.2	3567.3	3575.7
35°	3751.2	3762.5	3787.7	3814.4	3808.8	3804.6	3818.6	3834.1	3799.0	3749.8	3762.5
37.5°	3968.8	3985.7	4023.6	4055.9	4047.5	4027.8	4043.2	4060.1	4026.4	3970.2	3964.6
40°	4211.7	4238.4	4293.1	4319.8	4297.4	4259.4	4286.1	4326.8	4293.1	4228.6	4213.1
42.5°	4496.7	4529.0	4583.8	4624.5	4575.3	4513.6	4558.5	4617.4	4609.0	4523.4	4496.7
45°	4849.1	4870.1	4937.5	4957.2	4884.2	4798.5	4880.0	4969.8	4948.8	4856.1	4821.0
47.5°	5232.4	5264.6	5323.6	5360.1	5242.2	5135.5	5249.2	5369.9	5347.5	5260.4	5219.7
50°	5720.9	5763.0	5840.2	5871.1	5708.3	5586.1	5732.1	5885.2	5841.7	5725.1	5671.8
52.5°	6253.0	6286.7	6418.7	6480.4	6327.4	6195.4	6323.2	6473.4	6380.8	6226.3	6154.7
55°	6721.9	6755.6	6949.3	7154.3	7147.3	7056.0	7120.6	7123.4	6872.1	6616.6	6540.8
57.5°	6823.0	6856.7	7225.9	7762.2	8141.2	8246.5	8057.0	7658.3	7025.1	6577.3	6491.7
60°	6283.9	6321.8	6908.6	7888.5	9135.2	9838.6	8965.3	7647.1	6552.0	5945.5	5864.1
62.5°	4868.7	4909.5	5698.5	7169.7	9536.7	11432.0	9229.3	6842.6	5389.6	4621.7	4550.1
65°	2324.9	2324.9	3327.3	5142.5	8736.5	11394.1	8465.5	5062.5	3244.4	2491.9	2430.2
67.5°	575.6	578.4	856.4	2002.0	5942.7	9093.1	6039.6	2430.2	1142.8	808.6	787.6
70°	359.4	358.0	397.3	541.9	2079.2	5518.8	2469.5	732.8	464.7	409.9	407.1
72.5°	279.4	279.4	299.0	346.8	544.7	1879.8	720.2	407.1	336.9	303.2	303.2
75°	220.4	220.4	234.5	259.7	321.5	484.3	383.3	301.8	261.1	238.7	235.9
77.5°	164.3	167.1	178.3	195.1	219.0	272.4	242.9	227.4	203.6	186.7	181.1
80°	106.7	110.9	124.9	134.8	143.2	179.7	158.6	165.7	154.4	134.8	132.0
82.5°	57.6	59.0	75.8	78.6	81.4	98.3	101.1	105.3	109.5	85.6	80.0
85°	21.1	21.1	25.3	29.5	32.3	35.1	47.7	59.0	61.8	49.1	47.7
87.5°	4.2	4.2	4.2	2.8	2.8	2.8	8.4	15.4	25.3	19.7	19.7
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)