

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: P637248

Luminaire Tested: GWS-SA4C-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637248
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20289 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

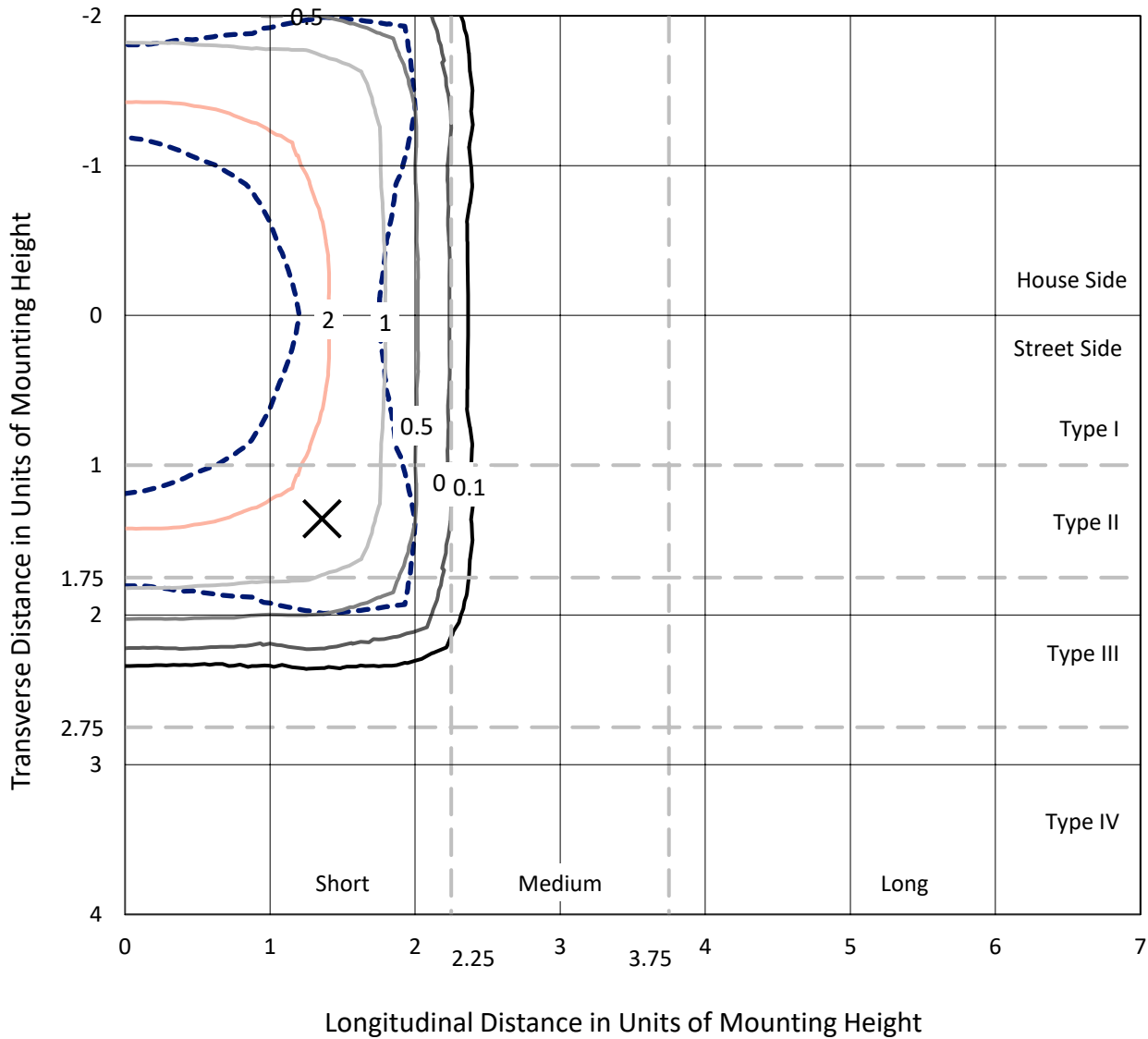
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

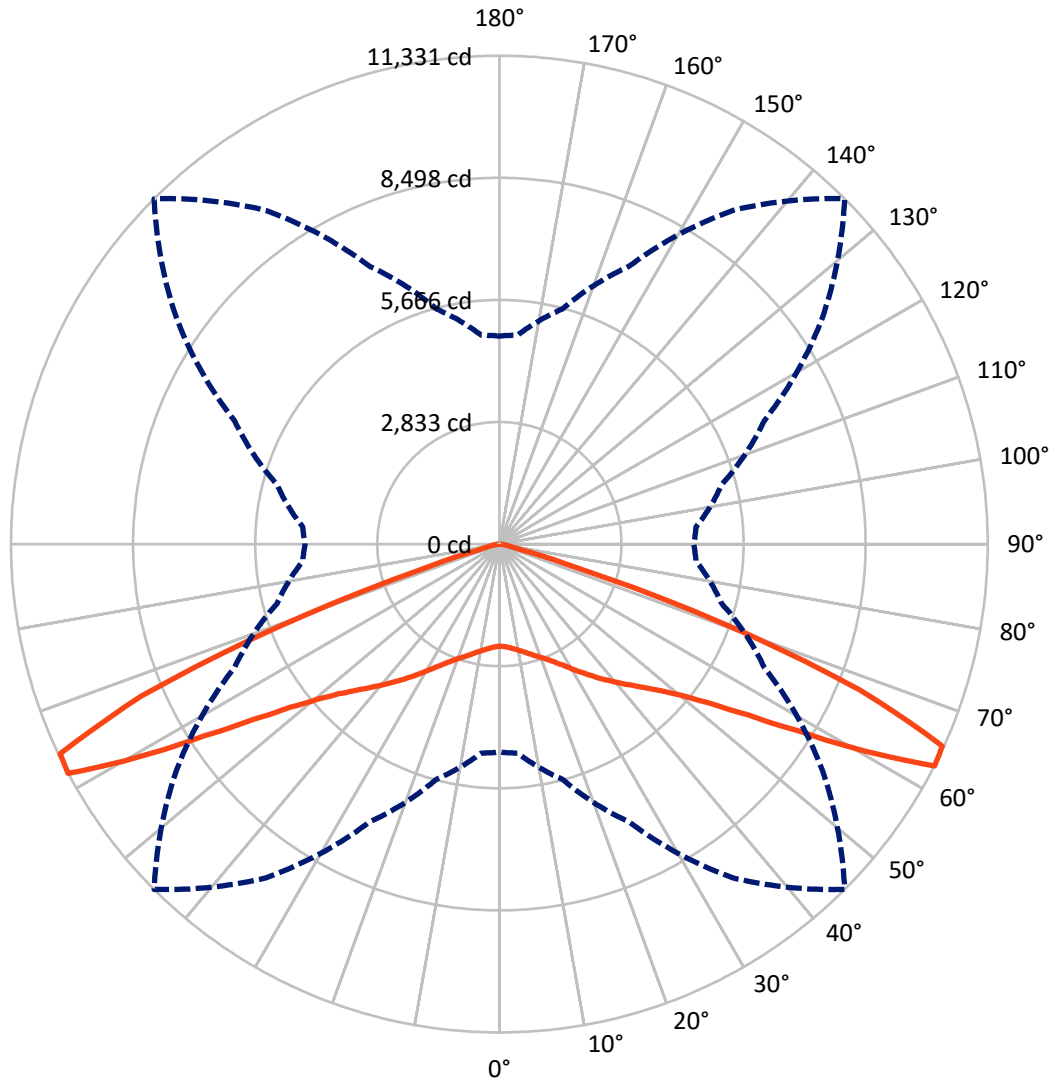
✕ Max cd
 - - - 1/2 Max cd



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	10144.5	0.0	10144.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10144.5	0.0	10144.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20289.0	0.0	20289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	1.1
10°-20°	748.9	3.7
20°-30°	1416.9	7.0
30°-40°	2384.8	11.8
40°-50°	3810.2	18.8
50°-60°	6141.8	30.3
60°-70°	5011.0	24.7
70°-80°	486.6	2.4
80°-90°	56.6	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°	20289.0	100.0
0°-180°	20289.0	100.0

Coefficient of Utilization



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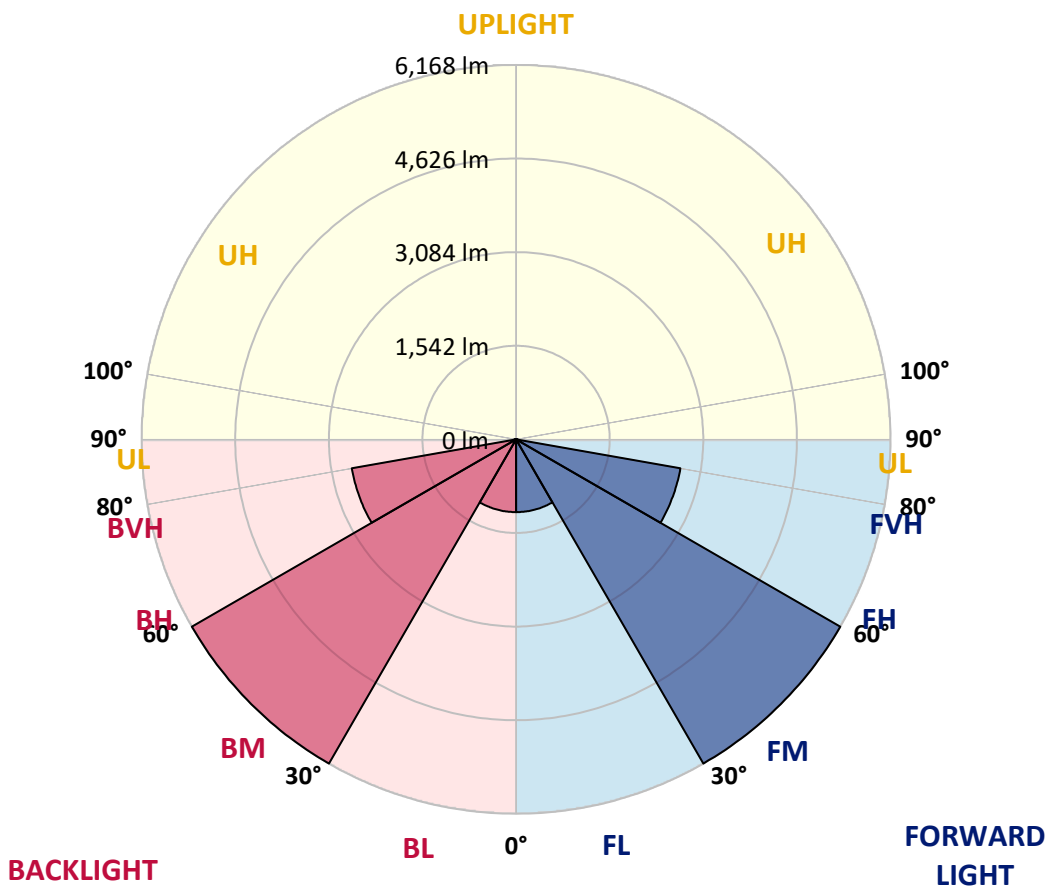
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1199.0	5.9			
FM (30°-60°)	6168.4	30.4			
FH (60°-80°)	2748.8	13.5			G2/5000
FVH (80°-90°)	28.3	0.1			G1/100
BL (0°-30°)	1199.0	5.9	B3/2500		
BM (30°-60°)	6168.4	30.4	B4/8500		
BH (60°-80°)	2748.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	28.3	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°	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0	2367.0
2.5°	2364.2	2364.2	2369.8	2373.9	2371.2	2382.3	2380.9	2378.1	2376.7	2372.6	2385.1
5°	2396.2	2396.2	2400.4	2404.6	2397.6	2411.5	2405.9	2403.2	2401.8	2396.2	2407.3
7.5°	2432.4	2436.6	2438.0	2444.9	2440.7	2456.0	2451.9	2446.3	2443.5	2436.6	2446.3
10°	2472.7	2475.5	2476.9	2489.4	2490.8	2508.9	2504.7	2497.8	2492.2	2485.3	2499.2
12.5°	2527.0	2528.4	2532.6	2547.9	2552.1	2566.0	2564.6	2554.8	2547.9	2538.1	2553.4
15°	2596.6	2598.0	2604.9	2620.2	2627.2	2643.9	2638.3	2623.0	2613.3	2602.2	2614.7
17.5°	2668.9	2674.5	2681.5	2696.8	2706.5	2726.0	2719.0	2702.3	2694.0	2682.9	2691.2
20°	2762.2	2763.6	2767.7	2784.4	2791.4	2813.7	2815.1	2798.4	2794.2	2783.1	2795.6
22.5°	2865.2	2866.5	2870.7	2888.8	2901.3	2915.2	2923.6	2913.9	2906.9	2893.0	2908.3
25°	2979.3	2993.2	2997.3	3019.6	3033.5	3041.9	3051.6	3047.4	3037.7	3021.0	3028.0
27.5°	3139.3	3142.1	3149.0	3174.1	3182.4	3190.8	3200.5	3201.9	3188.0	3168.5	3178.2
30°	3321.6	3320.2	3335.5	3355.0	3361.9	3368.9	3382.8	3391.1	3373.1	3352.2	3361.9
32.5°	3508.0	3524.7	3544.2	3562.3	3558.1	3560.9	3583.2	3598.5	3573.4	3535.9	3544.2
35°	3718.2	3729.3	3754.3	3780.8	3775.2	3771.0	3785.0	3800.3	3765.5	3716.8	3729.3
37.5°	3933.8	3950.5	3988.1	4020.1	4011.8	3992.3	4007.6	4024.3	3990.9	3935.2	3929.7
40°	4174.6	4201.0	4255.3	4281.7	4259.5	4221.9	4248.3	4288.7	4255.3	4191.3	4176.0
42.5°	4457.1	4489.1	4543.3	4583.7	4535.0	4473.8	4518.3	4576.7	4568.4	4483.5	4457.1
45°	4806.3	4827.2	4894.0	4913.5	4841.1	4756.2	4836.9	4926.0	4905.1	4813.3	4778.5
47.5°	5186.2	5218.2	5276.7	5312.8	5196.0	5090.2	5202.9	5322.6	5300.3	5214.0	5173.7
50°	5670.5	5712.2	5788.7	5819.4	5657.9	5536.9	5681.6	5833.3	5790.1	5674.6	5621.8
52.5°	6197.9	6231.3	6362.1	6423.3	6271.6	6140.8	6267.4	6416.3	6324.5	6171.4	6100.4
55°	6662.6	6696.0	6888.1	7091.2	7084.3	6993.8	7057.8	7060.6	6811.5	6558.3	6483.1
57.5°	6762.8	6796.2	7162.2	7693.7	8069.5	8173.8	7986.0	7590.8	6963.2	6519.3	6434.4
60°	6228.5	6266.0	6847.7	7819.0	9054.7	9751.8	8886.3	7579.6	6494.3	5893.1	5812.4
62.5°	4825.8	4866.2	5648.2	7106.5	9452.6	11331.2	9147.9	6782.3	5342.1	4580.9	4509.9
65°	2304.4	2304.4	3297.9	5097.2	8659.5	11293.6	8390.9	5017.8	3215.8	2470.0	2408.7
67.5°	570.5	573.3	848.8	1984.3	5890.3	9012.9	5986.3	2408.7	1132.7	801.5	780.6
70°	356.2	354.8	393.8	537.1	2060.8	5470.1	2447.7	726.4	460.6	406.3	403.5
72.5°	276.9	276.9	296.4	343.7	539.9	1863.3	713.9	403.5	334.0	300.6	300.6
75°	218.5	218.5	232.4	257.4	318.7	480.1	379.9	299.2	258.8	236.6	233.8
77.5°	162.8	165.6	176.7	193.4	217.1	270.0	240.7	225.4	201.8	185.1	179.5
80°	105.8	109.9	123.8	133.6	141.9	178.1	157.2	164.2	153.1	133.6	130.8
82.5°	57.1	58.4	75.1	77.9	80.7	97.4	100.2	104.4	108.5	84.9	79.3
85°	20.9	20.9	25.0	29.2	32.0	34.8	47.3	58.4	61.2	48.7	47.3
87.5°	4.2	4.2	4.2	2.8	2.8	2.8	8.3	15.3	25.0	19.5	19.5
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)