

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: P636862

Luminaire Tested: GWS-SA4B-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13238.5 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

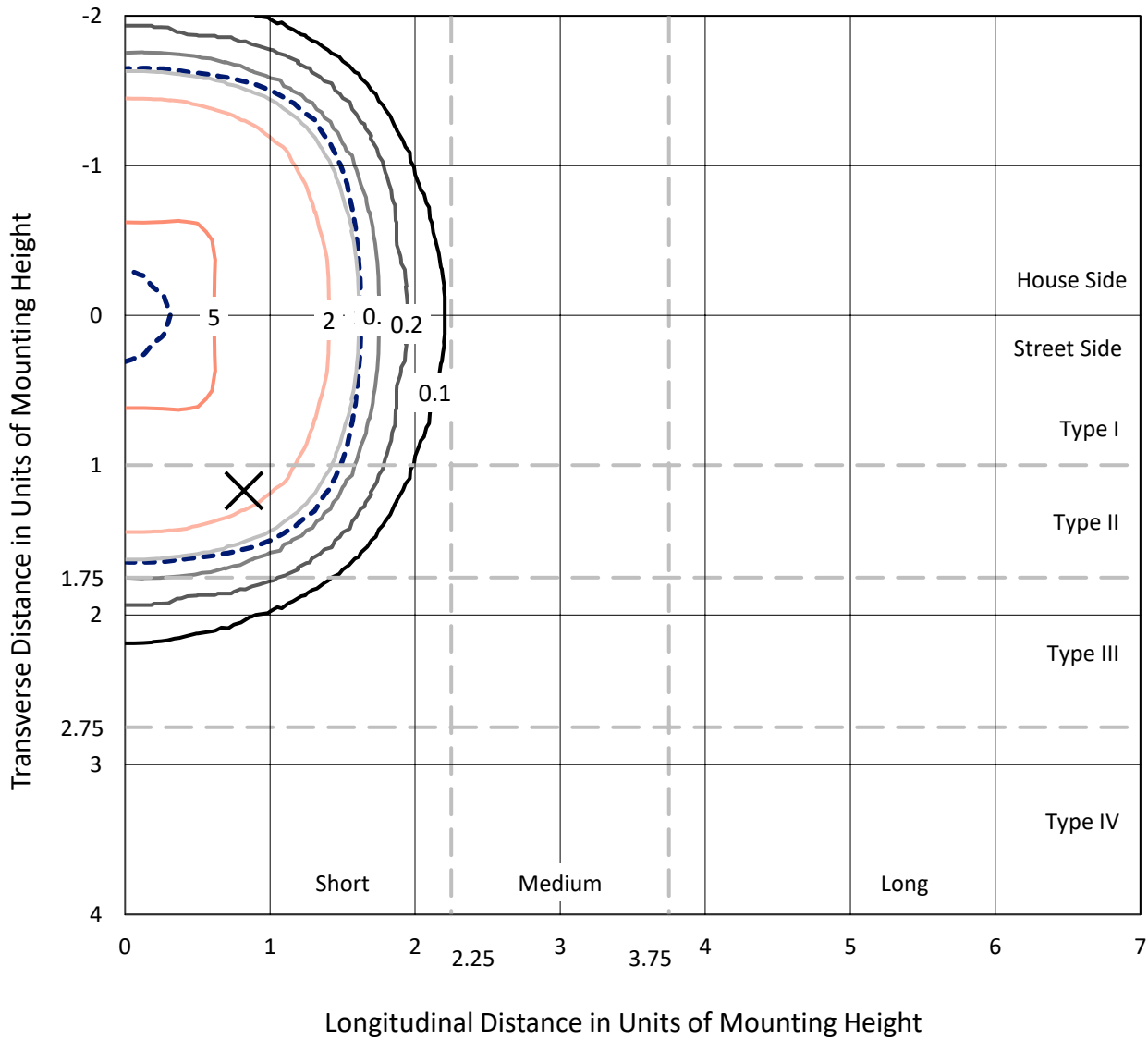
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

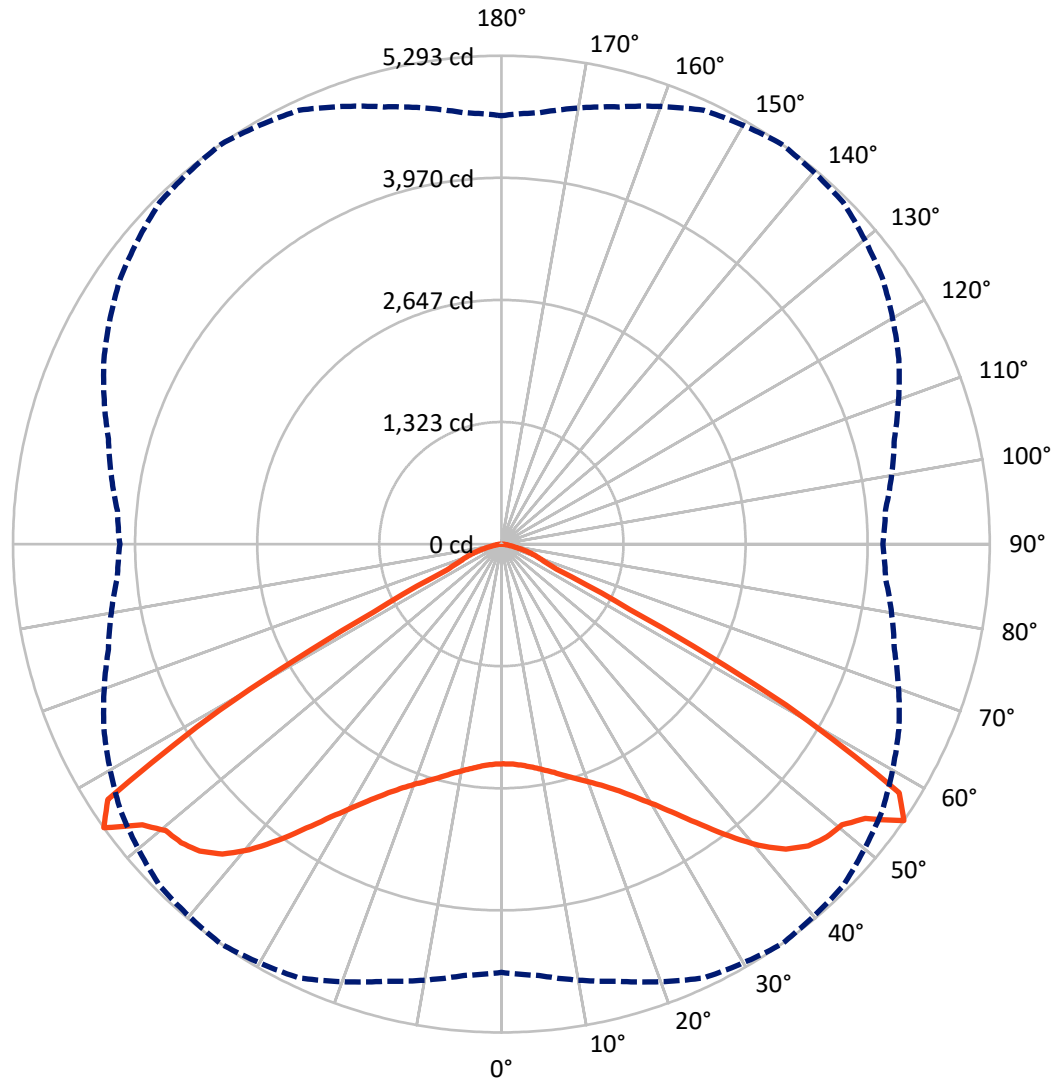
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6619.3	0.0	6619.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6619.3	0.0	6619.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13238.5	0.0	13238.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	1.8
10°-20°	739.6	5.6
20°-30°	1368.8	10.3
30°-40°	2289.8	17.3
40°-50°	3489.2	26.4
50°-60°	3908.7	29.5
60°-70°	924.8	7.0
70°-80°	249.3	1.9
80°-90°	35.9	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°	13238.5	100.0
0°-180°	13238.5	100.0

Coefficient of Utilization



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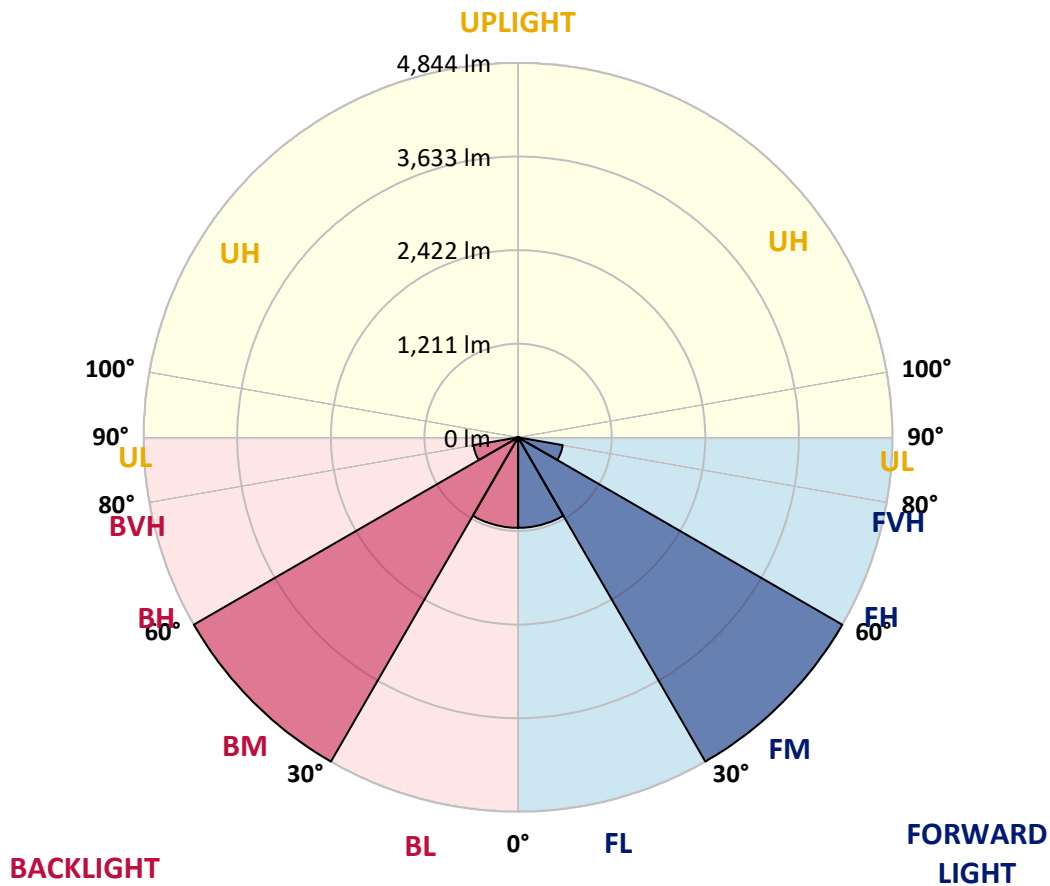
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1170.4	8.8			
FM (30°-60°)	4843.9	36.6			
FH (60°-80°)	587.1	4.4			G0/660
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	1170.4	8.8	B3/2500		
BM (30°-60°)	4843.9	36.6	B3/5000		
BH (60°-80°)	587.1	4.4	B2/1000		G0/660
BVH (80°-90°)	17.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6	2381.6
2.5°	2376.4	2376.4	2380.6	2385.8	2386.9	2397.3	2395.3	2391.1	2389.0	2384.8	2394.2
5°	2402.6	2403.6	2406.8	2409.9	2407.8	2416.2	2413.0	2407.8	2404.7	2399.4	2408.9
7.5°	2437.1	2437.1	2440.3	2444.5	2442.4	2454.9	2448.6	2441.3	2436.1	2429.8	2438.2
10°	2468.5	2470.6	2473.8	2482.1	2486.3	2499.9	2495.8	2485.3	2476.9	2469.6	2479.0
12.5°	2515.6	2517.7	2520.9	2532.4	2539.7	2553.3	2547.0	2532.4	2519.8	2509.4	2519.8
15°	2576.4	2574.3	2582.6	2597.3	2606.7	2619.3	2612.0	2586.8	2570.1	2556.5	2566.9
17.5°	2638.1	2637.1	2645.5	2664.3	2677.9	2694.7	2682.1	2652.8	2635.0	2618.2	2628.7
20°	2705.1	2708.3	2716.6	2734.4	2754.3	2776.3	2765.8	2734.4	2714.5	2695.7	2704.1
22.5°	2787.8	2788.9	2798.3	2821.3	2847.5	2868.4	2862.2	2823.4	2798.3	2778.4	2788.9
25°	2887.3	2886.2	2898.8	2926.0	2962.7	2983.6	2970.0	2927.1	2899.8	2876.8	2885.2
27.5°	3001.4	3000.3	3019.2	3054.8	3107.1	3136.4	3108.2	3054.8	3017.1	2984.6	2992.0
30°	3144.8	3141.7	3162.6	3210.8	3278.8	3328.0	3286.1	3211.8	3162.6	3128.1	3135.4
32.5°	3303.9	3308.1	3334.3	3399.2	3485.0	3548.9	3486.1	3403.4	3337.4	3287.2	3295.6
35°	3478.8	3478.8	3532.2	3612.8	3735.3	3820.0	3722.7	3603.3	3515.4	3446.3	3448.4
37.5°	3673.5	3675.6	3745.7	3856.7	4016.9	4116.3	3984.4	3836.8	3730.0	3655.7	3651.5
40°	3911.1	3917.4	3989.6	4113.2	4293.2	4384.3	4243.0	4098.5	3989.6	3901.7	3893.3
42.5°	4179.1	4181.2	4257.6	4368.6	4520.4	4574.8	4463.9	4345.6	4256.6	4177.0	4168.7
45°	4434.6	4429.3	4495.3	4578.0	4665.9	4671.2	4609.4	4561.2	4483.8	4415.7	4403.2
47.5°	4633.5	4629.3	4689.0	4734.0	4744.4	4693.1	4713.0	4720.4	4630.3	4538.2	4514.1
50°	4754.9	4763.3	4819.8	4844.9	4783.2	4699.4	4774.8	4756.0	4627.2	4506.8	4468.1
52.5°	4828.2	4840.8	4939.2	5003.0	4939.2	4859.6	4870.1	4759.1	4573.8	4414.7	4364.4
55°	4642.9	4693.1	4905.7	5188.3	5293.0	5237.5	5038.6	4752.8	4409.4	4178.1	4135.2
57.5°	3441.1	3520.6	3835.8	4448.2	5084.7	5286.7	4705.7	3984.4	3464.1	3166.8	3141.7
60°	1756.7	1845.6	2097.9	2727.1	3545.8	3830.5	3277.8	2551.2	2027.8	1787.0	1759.8
62.5°	717.1	731.8	814.5	1057.3	1567.2	1808.0	1588.1	1114.9	837.5	771.5	772.6
65°	564.3	567.4	563.2	577.9	656.4	728.6	673.1	591.5	576.8	584.2	578.9
67.5°	492.0	493.1	489.9	489.9	493.1	489.9	496.2	499.4	501.5	509.8	504.6
70°	411.4	412.5	412.5	414.6	413.5	408.3	417.7	421.9	422.9	428.2	425.0
72.5°	318.3	321.4	323.5	324.5	323.5	320.3	325.6	332.9	331.9	337.1	331.9
75°	215.7	219.8	221.9	226.1	225.1	225.1	231.4	234.5	231.4	235.5	231.4
77.5°	122.5	125.6	131.9	136.1	140.3	143.4	147.6	149.7	148.7	150.8	148.7
80°	71.2	72.2	77.5	79.6	84.8	90.0	94.2	96.3	97.4	98.4	97.4
82.5°	40.8	41.9	44.0	46.1	50.3	54.4	58.6	61.8	61.8	62.8	61.8
85°	19.9	19.9	20.9	22.0	24.1	27.2	30.4	33.5	34.5	34.5	34.5
87.5°	3.1	3.1	4.2	4.2	5.2	6.3	8.4	10.5	11.5	11.5	11.5
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)