

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: P636859

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 12786.3 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

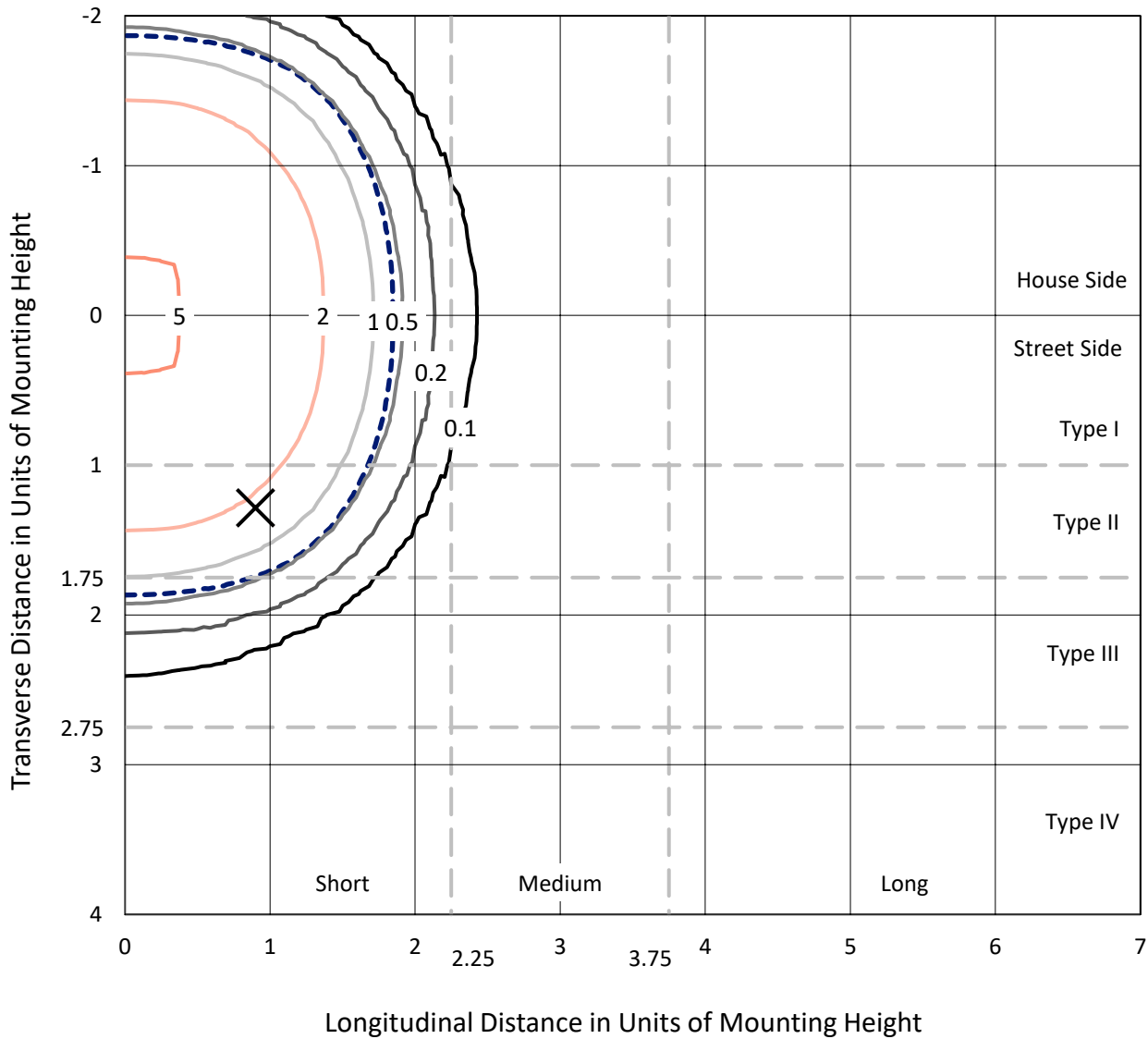
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

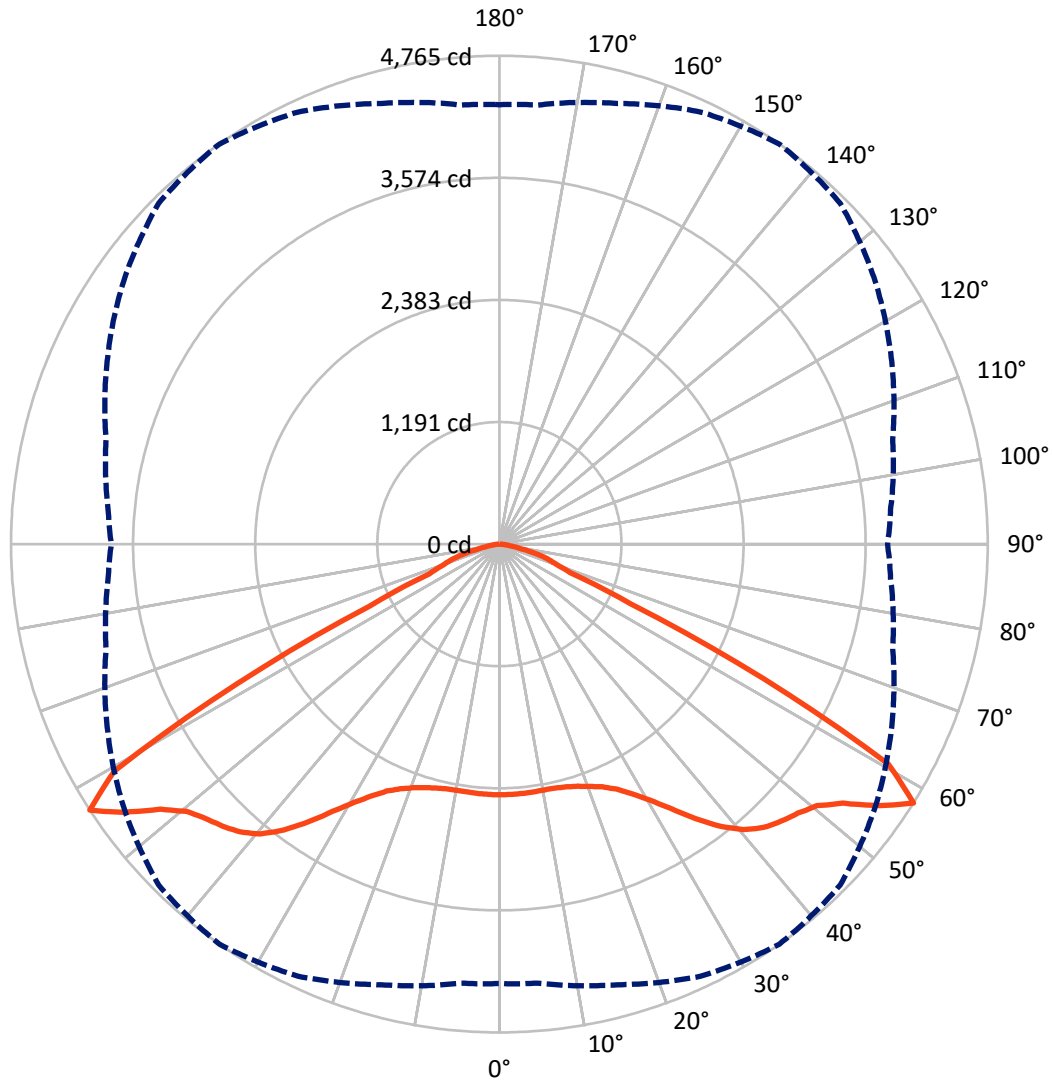
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6393.1	0.0	6393.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6393.1	0.0	6393.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12786.3	0.0	12786.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.7	1.8
10°-20°	694.4	5.4
20°-30°	1211.6	9.5
30°-40°	1986.7	15.5
40°-50°	2926.0	22.9
50°-60°	3734.1	29.2
60°-70°	1573.7	12.3
70°-80°	375.9	2.9
80°-90°	51.2	0.4
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°	12786.3	100.0
0°-180°	12786.3	100.0

Coefficient of Utilization



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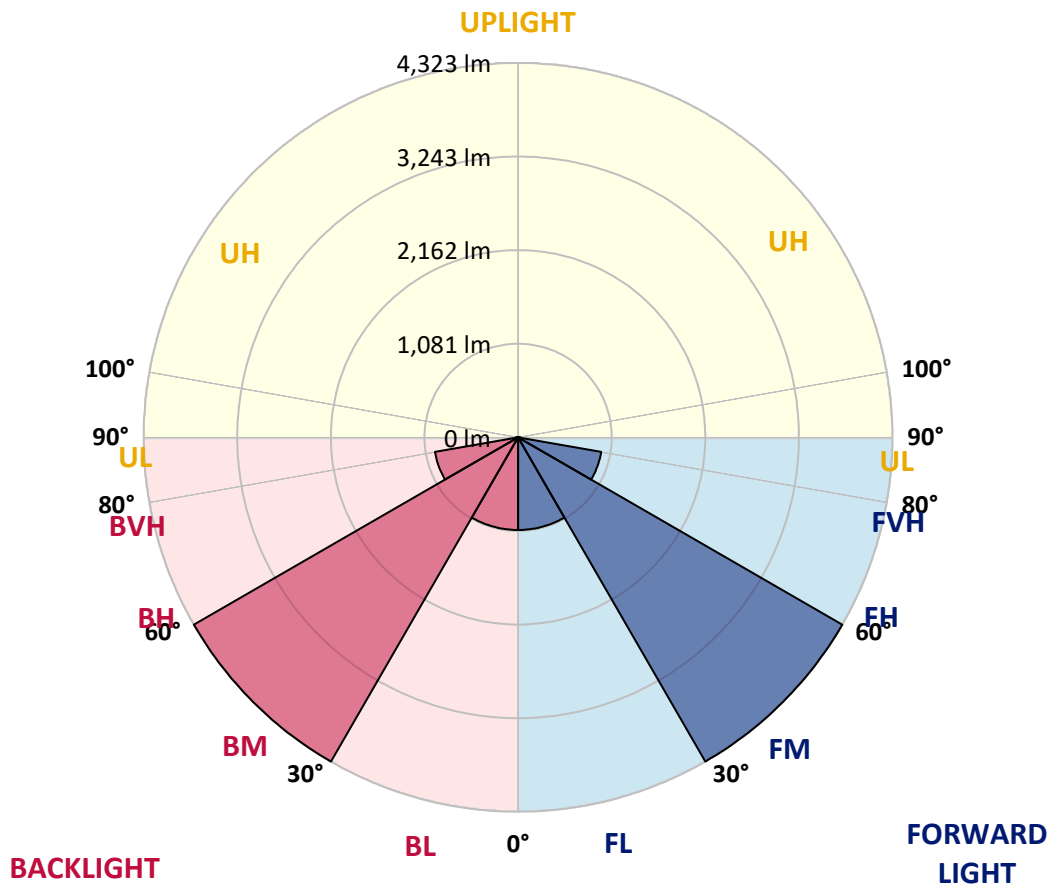
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1069.4	8.4			
FM (30°-60°)	4323.4	33.8			
FH (60°-80°)	974.8	7.6			G1/1800
FVH (80°-90°)	25.6	0.2			G1/100
BL (0°-30°)	1069.4	8.4	B3/2500		
BM (30°-60°)	4323.4	33.8	B3/5000		
BH (60°-80°)	974.8	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.6	0.2			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°	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5	2446.5
2.5°	2431.9	2431.9	2437.1	2442.3	2444.4	2453.8	2452.8	2449.7	2447.6	2441.3	2449.7
5°	2437.1	2437.1	2441.3	2444.4	2443.4	2450.7	2447.6	2442.3	2439.2	2432.9	2442.3
7.5°	2436.0	2436.0	2439.2	2442.3	2440.2	2446.5	2441.3	2433.9	2428.7	2422.4	2430.8
10°	2422.4	2424.5	2427.7	2435.0	2438.1	2447.6	2440.2	2428.7	2420.3	2413.0	2421.4
12.5°	2420.3	2422.4	2426.6	2436.0	2441.3	2454.9	2445.5	2426.6	2414.1	2404.6	2413.0
15°	2429.8	2431.9	2438.1	2449.7	2458.0	2472.7	2459.1	2432.9	2415.1	2402.5	2409.9
17.5°	2441.3	2444.4	2453.8	2470.6	2484.2	2499.9	2483.2	2451.7	2426.6	2409.9	2416.2
20°	2453.8	2458.0	2472.7	2497.8	2522.9	2542.8	2521.9	2480.0	2449.7	2427.7	2433.9
22.5°	2475.8	2481.1	2499.9	2535.5	2573.2	2602.5	2576.3	2519.8	2480.0	2451.7	2457.0
25°	2520.8	2527.1	2551.2	2594.1	2647.5	2683.1	2646.5	2582.6	2527.1	2492.6	2497.8
27.5°	2600.4	2603.5	2634.9	2691.5	2757.4	2798.3	2754.3	2678.9	2617.2	2577.4	2581.6
30°	2705.1	2714.5	2745.9	2820.2	2898.8	2953.2	2895.6	2806.6	2735.4	2687.3	2691.5
32.5°	2832.8	2839.1	2886.2	2963.7	3076.7	3139.5	3061.0	2955.3	2869.4	2810.8	2815.0
35°	3000.3	3005.5	3050.6	3149.0	3286.1	3344.7	3254.7	3133.3	3033.8	2978.3	2994.0
37.5°	3200.3	3209.7	3242.1	3339.5	3492.3	3549.9	3446.3	3333.2	3229.6	3178.3	3189.8
40°	3414.9	3413.8	3440.0	3525.8	3665.1	3700.7	3607.5	3517.5	3428.5	3395.0	3413.8
42.5°	3599.1	3593.9	3612.7	3683.9	3780.2	3783.4	3721.6	3671.3	3608.5	3585.5	3603.3
45°	3727.9	3730.0	3758.2	3807.4	3856.6	3830.5	3811.6	3803.2	3754.0	3722.6	3725.8
47.5°	3829.4	3837.8	3882.8	3916.3	3922.6	3878.6	3904.8	3917.4	3876.5	3828.4	3814.8
50°	3919.4	3933.1	3991.7	4027.3	4013.7	3958.2	4009.5	4028.3	3938.3	3846.2	3818.9
52.5°	4082.8	4098.5	4169.6	4215.7	4200.0	4144.5	4192.7	4125.7	3973.9	3860.8	3826.3
55°	4343.4	4350.8	4437.6	4513.0	4505.7	4437.6	4398.9	4250.3	4066.0	3948.8	3916.3
57.5°	4287.9	4300.5	4451.2	4652.2	4765.3	4703.5	4476.4	4223.0	3972.8	3831.5	3787.5
60°	3374.0	3404.4	3591.8	3945.6	4360.2	4359.1	3937.2	3543.6	3242.1	3054.7	3035.9
62.5°	1970.2	1991.1	2161.8	2519.8	2891.4	2914.5	2618.2	2348.1	2084.3	1957.6	1896.9
65°	932.8	931.7	999.8	1161.0	1412.2	1432.1	1343.1	1195.5	1039.5	996.6	985.1
67.5°	688.8	688.8	683.6	695.1	743.3	753.7	743.3	719.2	704.5	714.0	707.7
70°	597.8	598.8	592.5	589.4	589.4	586.2	590.4	599.9	606.1	618.7	612.4
72.5°	484.7	485.7	485.7	486.8	487.8	483.6	489.9	495.2	496.2	500.4	496.2
75°	344.4	346.5	352.8	358.0	362.2	362.2	364.3	365.4	361.2	366.4	358.0
77.5°	189.5	191.6	203.1	212.5	221.9	223.0	226.1	228.2	226.1	230.3	224.0
80°	104.7	106.8	112.0	116.2	123.5	129.8	134.0	136.1	136.1	139.2	136.1
82.5°	59.7	61.8	64.9	67.0	73.3	78.5	82.7	85.8	85.8	86.9	84.8
85°	28.3	28.3	30.4	32.5	35.6	37.7	42.9	46.1	46.1	48.2	46.1
87.5°	4.2	5.2	6.3	6.3	8.4	10.5	12.6	13.6	15.7	16.7	16.7
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)