

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: P633394

Luminaire Tested: GWS-SA2E-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633394
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-SA2E-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12889.4 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

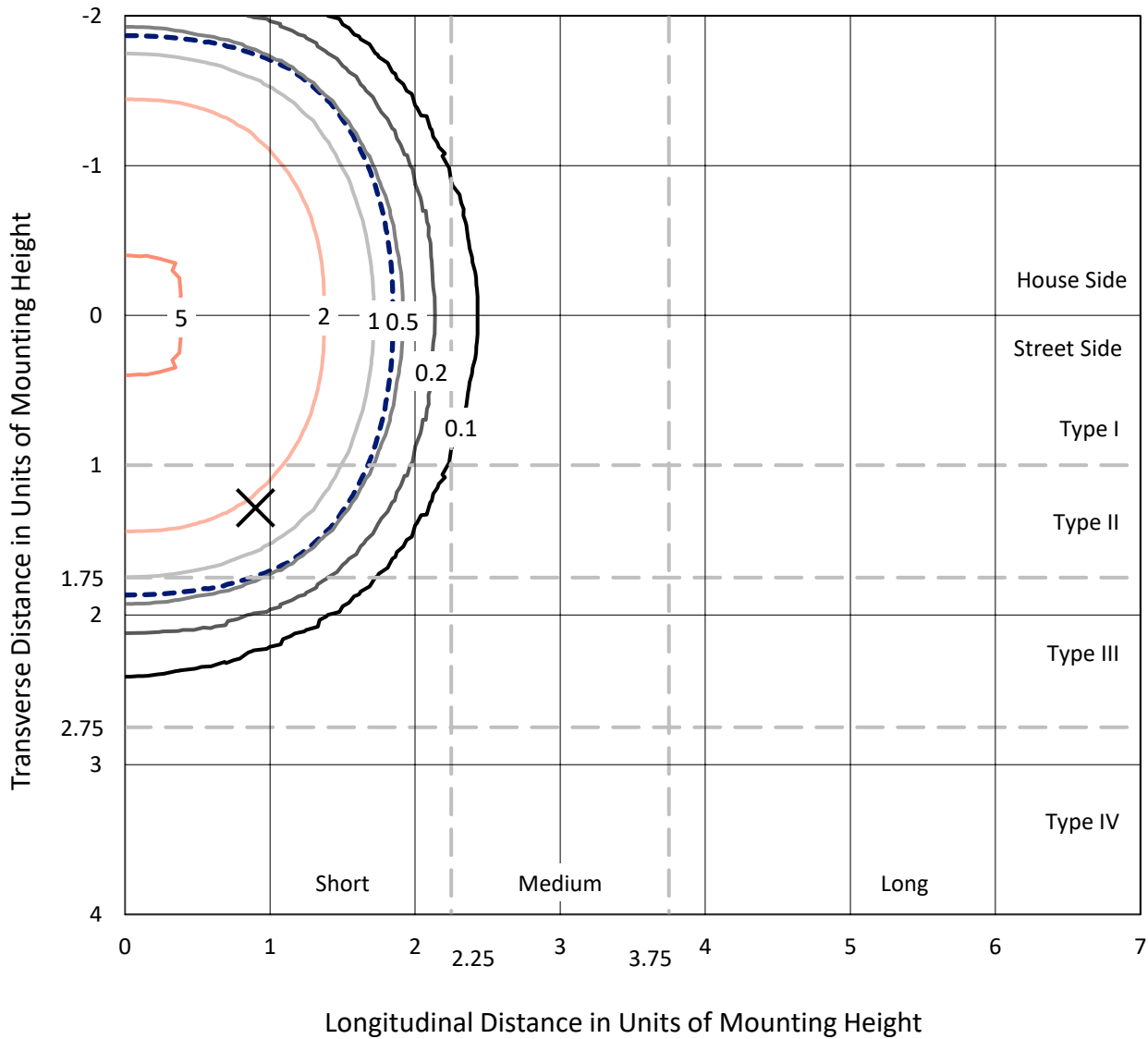
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

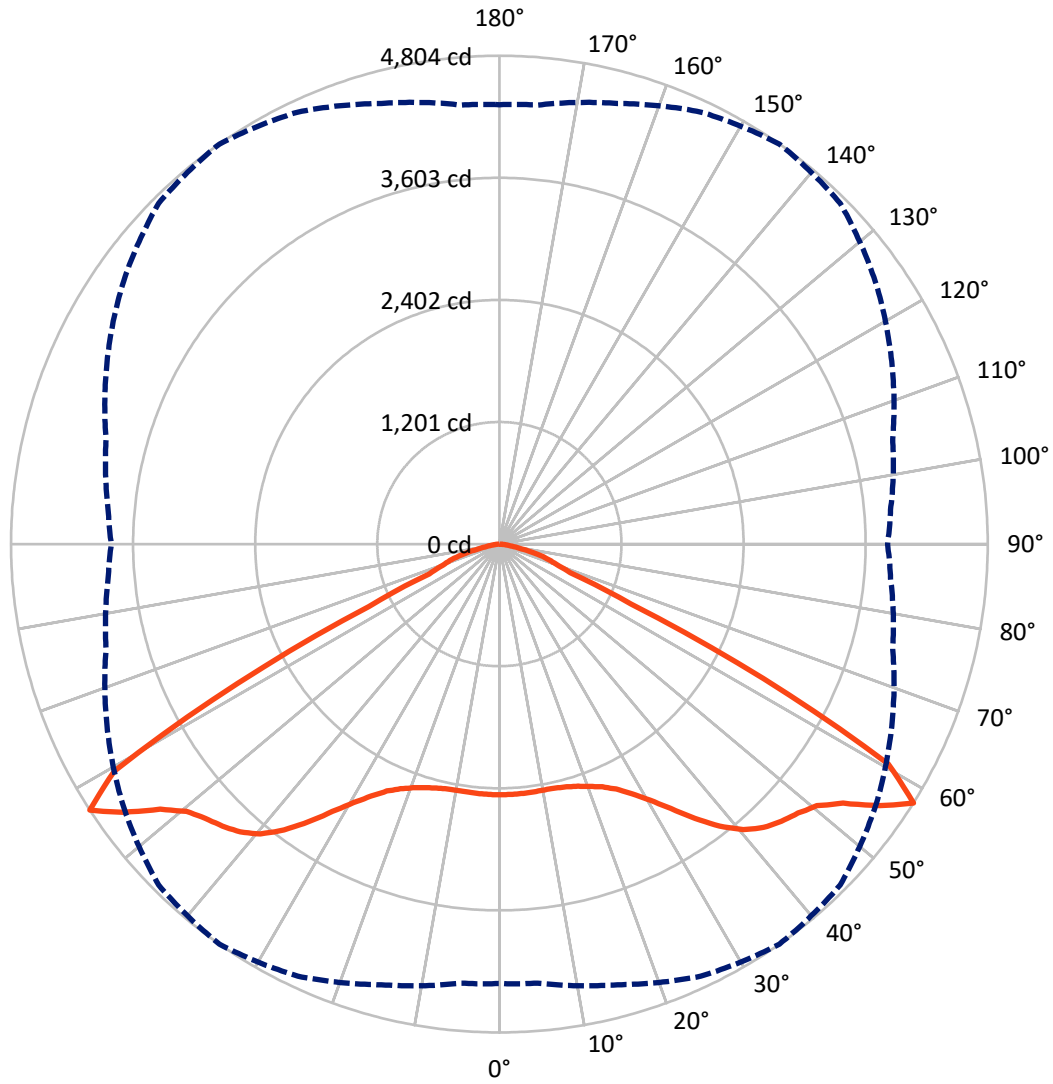
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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	6444.7	0.0	6444.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6444.7	0.0	6444.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12889.4	0.0	12889.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	1.8
10°-20°	700.0	5.4
20°-30°	1221.4	9.5
30°-40°	2002.8	15.5
40°-50°	2949.6	22.9
50°-60°	3764.2	29.2
60°-70°	1586.4	12.3
70°-80°	379.0	2.9
80°-90°	51.6	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°	12889.4	100.0
0°-180°	12889.4	100.0

Coefficient of Utilization



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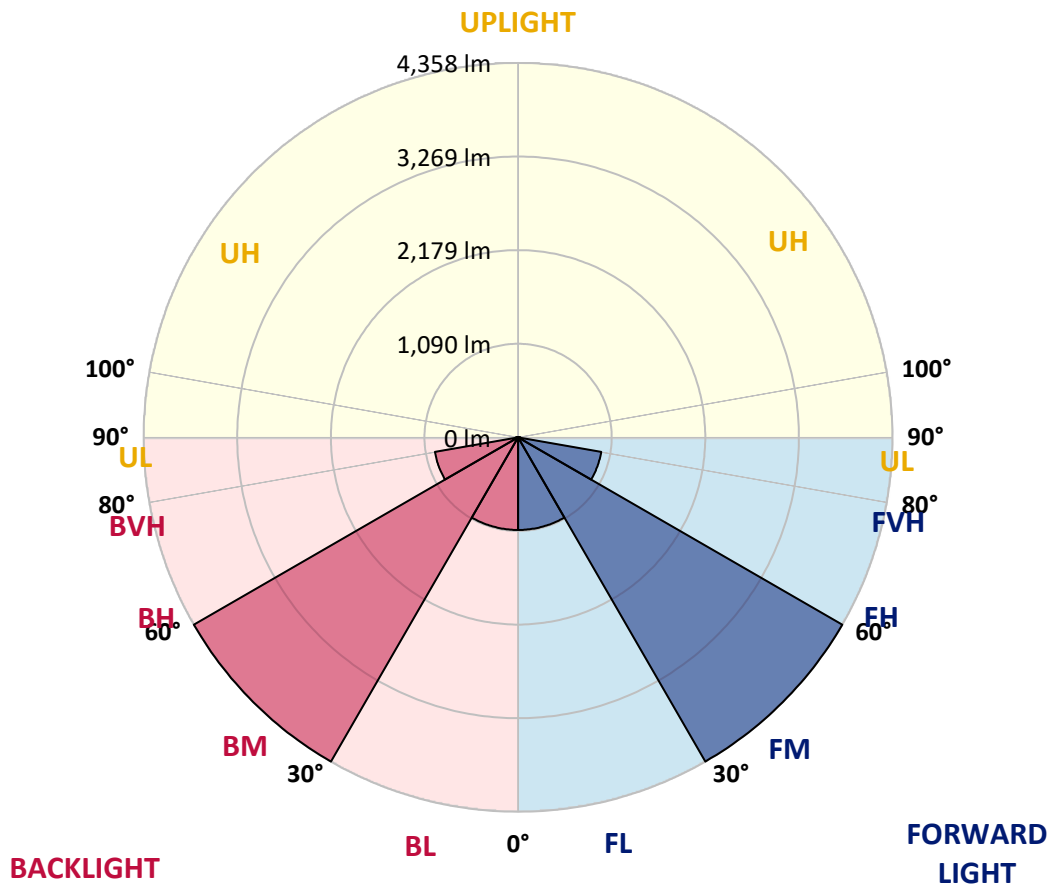
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.0	8.4			
FM (30°-60°)	4358.3	33.8			
FH (60°-80°)	982.7	7.6			G1/1800
FVH (80°-90°)	25.8	0.2			G1/100
BL (0°-30°)	1078.0	8.4	B3/2500		
BM (30°-60°)	4358.3	33.8	B3/5000		
BH (60°-80°)	982.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.8	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°	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2
2.5°	2451.5	2451.5	2456.7	2462.0	2464.1	2473.6	2472.6	2469.4	2467.3	2461.0	2469.4
5°	2456.7	2456.7	2461.0	2464.1	2463.1	2470.5	2467.3	2462.0	2458.9	2452.5	2462.0
7.5°	2455.7	2455.7	2458.9	2462.0	2459.9	2466.2	2461.0	2453.6	2448.3	2442.0	2450.4
10°	2442.0	2444.1	2447.2	2454.6	2457.8	2467.3	2459.9	2448.3	2439.9	2432.5	2440.9
12.5°	2439.9	2442.0	2446.2	2455.7	2461.0	2474.7	2465.2	2446.2	2433.5	2424.0	2432.5
15°	2449.4	2451.5	2457.8	2469.4	2477.8	2492.6	2478.9	2452.5	2434.6	2421.9	2429.3
17.5°	2461.0	2464.1	2473.6	2490.5	2504.2	2520.1	2503.2	2471.5	2446.2	2429.3	2435.6
20°	2473.6	2477.8	2492.6	2517.9	2543.3	2563.3	2542.2	2500.0	2469.4	2447.2	2453.6
22.5°	2495.8	2501.1	2520.1	2555.9	2593.9	2623.5	2597.1	2540.1	2500.0	2471.5	2476.8
25°	2541.2	2547.5	2571.8	2615.0	2668.9	2704.7	2667.8	2603.4	2547.5	2512.7	2517.9
27.5°	2621.4	2624.5	2656.2	2713.2	2779.7	2820.8	2776.5	2700.5	2638.3	2598.2	2602.4
30°	2726.9	2736.4	2768.1	2843.0	2922.1	2977.0	2919.0	2829.3	2757.5	2709.0	2713.2
32.5°	2855.6	2862.0	2909.5	2987.6	3101.5	3164.8	3085.7	2979.1	2892.6	2833.5	2837.7
35°	3024.5	3029.8	3075.1	3174.3	3312.6	3371.7	3280.9	3158.5	3058.3	3002.3	3018.2
37.5°	3226.1	3235.6	3268.3	3366.4	3520.5	3578.5	3474.1	3360.1	3255.6	3203.9	3215.5
40°	3442.4	3441.3	3467.7	3554.3	3694.6	3730.5	3636.6	3545.8	3456.1	3422.3	3441.3
42.5°	3628.1	3622.8	3641.8	3713.6	3810.7	3813.9	3751.6	3700.9	3637.6	3614.4	3632.3
45°	3757.9	3760.0	3788.5	3838.1	3887.7	3861.3	3842.4	3833.9	3784.3	3752.7	3755.8
47.5°	3860.3	3868.7	3914.1	3947.9	3954.2	3909.9	3936.3	3948.9	3907.8	3859.2	3845.5
50°	3951.0	3964.8	4023.9	4059.7	4046.0	3990.1	4041.8	4060.8	3970.0	3877.2	3849.7
52.5°	4115.7	4131.5	4203.3	4249.7	4233.9	4177.9	4226.5	4158.9	4005.9	3892.0	3857.1
55°	4378.4	4385.8	4473.4	4549.4	4542.0	4473.4	4434.4	4284.5	4098.8	3980.6	3947.9
57.5°	4322.5	4335.2	4487.1	4689.8	4803.7	4741.5	4512.5	4257.1	4004.9	3862.4	3818.1
60°	3401.2	3431.8	3620.7	3977.4	4395.3	4394.3	3969.0	3572.2	3268.3	3079.4	3060.4
62.5°	1986.1	2007.2	2179.2	2540.1	2914.7	2938.0	2639.3	2367.0	2101.1	1973.4	1912.2
65°	940.3	939.2	1007.8	1170.3	1423.6	1443.7	1354.0	1205.2	1047.9	1004.6	993.0
67.5°	694.4	694.4	689.1	700.7	749.3	759.8	749.3	725.0	710.2	719.7	713.4
70°	602.6	603.6	597.3	594.1	594.1	591.0	595.2	604.7	611.0	623.7	617.4
72.5°	488.6	489.7	489.7	490.7	491.8	487.5	493.9	499.2	500.2	504.4	500.2
75°	347.2	349.3	355.6	360.9	365.1	365.1	367.2	368.3	364.1	369.4	360.9
77.5°	191.0	193.1	204.7	214.2	223.7	224.8	227.9	230.1	227.9	232.2	225.8
80°	105.5	107.6	112.9	117.1	124.5	130.9	135.1	137.2	137.2	140.4	137.2
82.5°	60.2	62.3	65.4	67.5	73.9	79.1	83.4	86.5	86.5	87.6	85.5
85°	28.5	28.5	30.6	32.7	35.9	38.0	43.3	46.4	46.4	48.5	46.4
87.5°	4.2	5.3	6.3	6.3	8.4	10.6	12.7	13.7	15.8	16.9	16.9
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)