

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: P633229

Luminaire Tested: GWS-SA2E-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633229
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12600.6 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

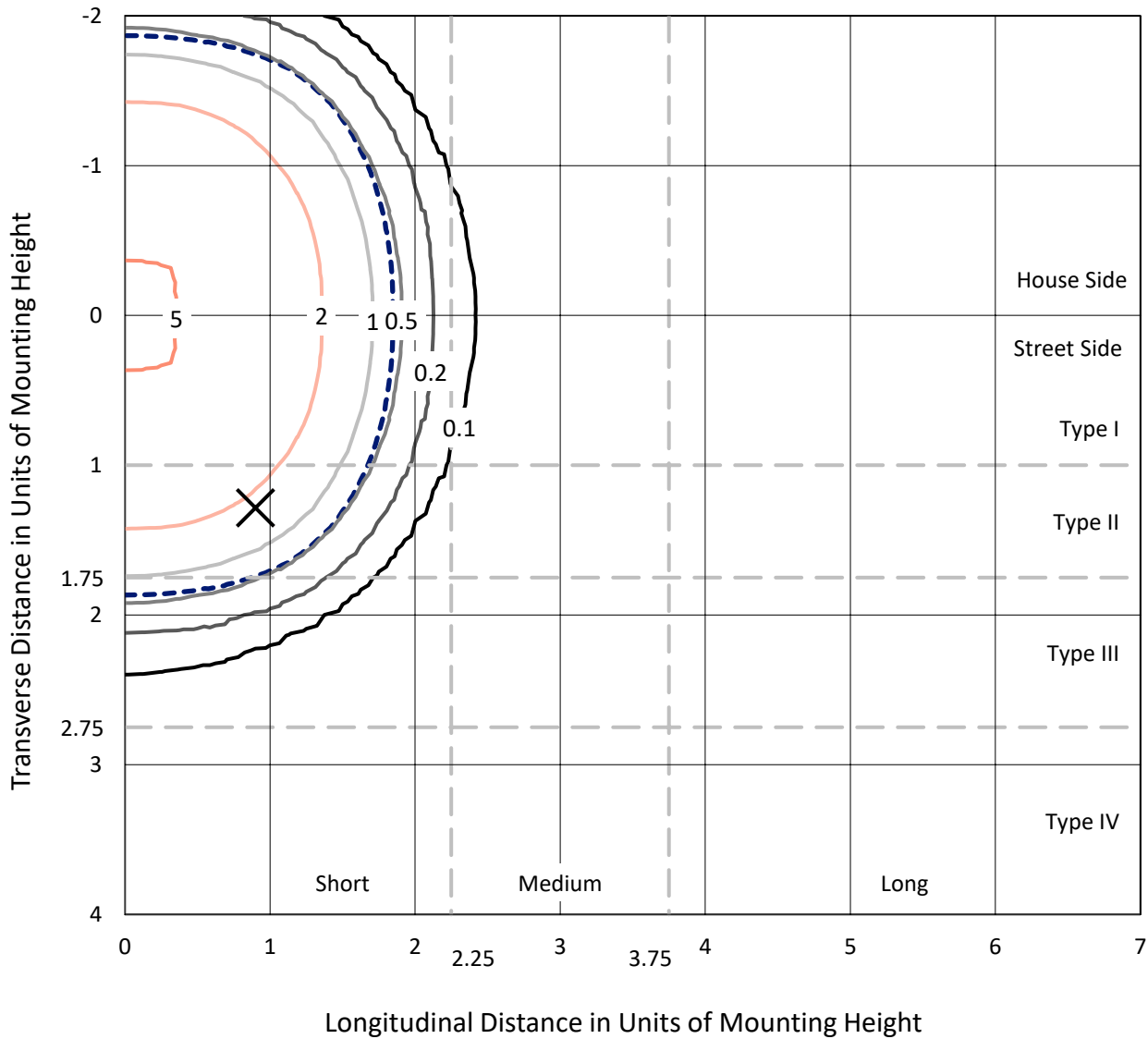
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

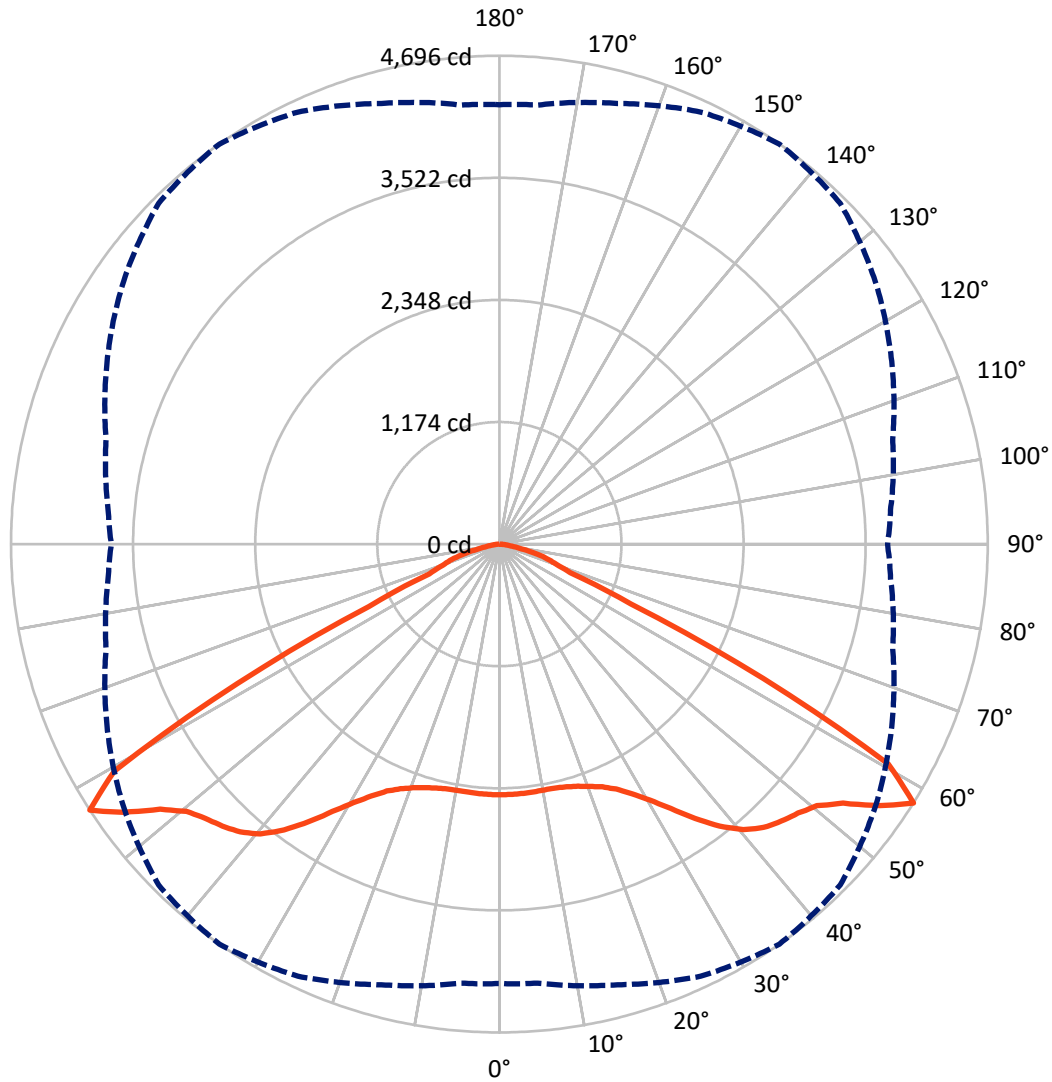
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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	6300.3	0.0	6300.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6300.3	0.0	6300.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12600.6	0.0	12600.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.4	1.8
10°-20°	684.3	5.4
20°-30°	1194.0	9.5
30°-40°	1957.9	15.5
40°-50°	2883.5	22.9
50°-60°	3679.8	29.2
60°-70°	1550.8	12.3
70°-80°	370.5	2.9
80°-90°	50.4	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°	12600.6	100.0
0°-180°	12600.6	100.0

Coefficient of Utilization



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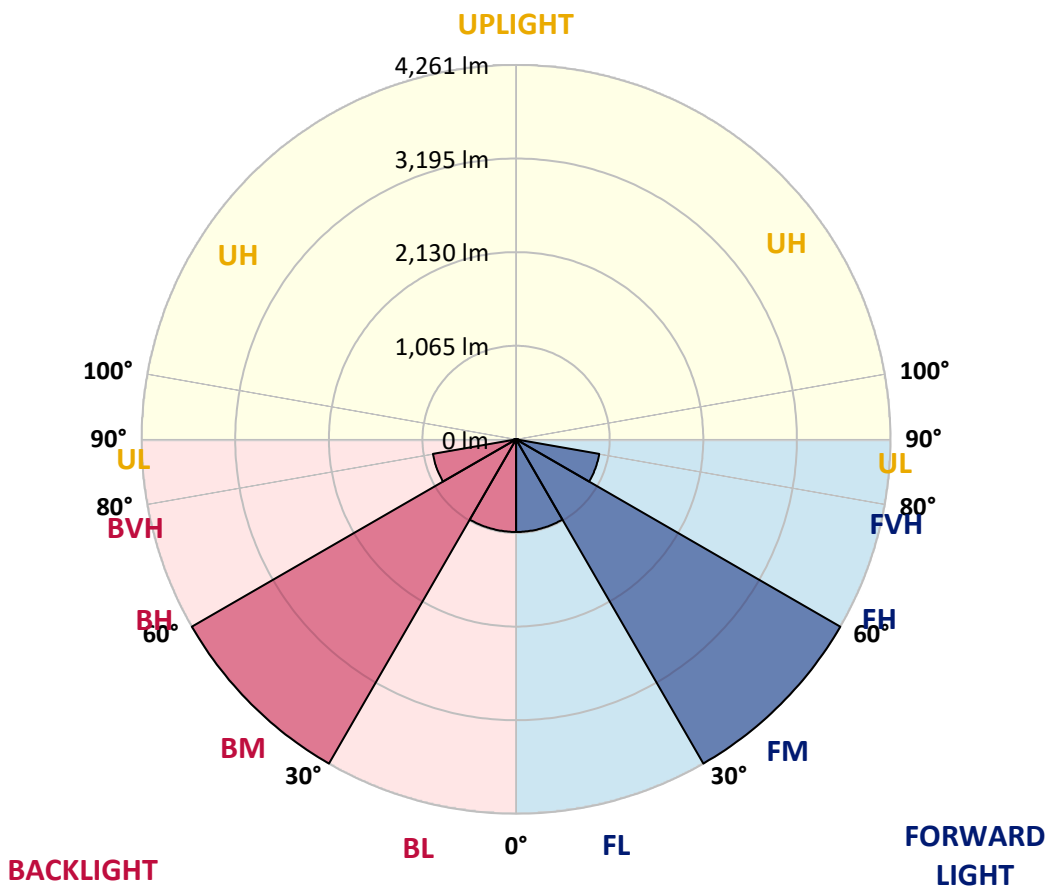
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.8	8.4			
FM (30°-60°)	4260.6	33.8			
FH (60°-80°)	960.7	7.6			G1/1800
FVH (80°-90°)	25.2	0.2			G1/100
BL (0°-30°)	1053.8	8.4	B3/2500		
BM (30°-60°)	4260.6	33.8	B3/5000		
BH (60°-80°)	960.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.2	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°	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0	2411.0
2.5°	2396.5	2396.5	2401.7	2406.9	2408.9	2418.2	2417.2	2414.1	2412.0	2405.8	2414.1
5°	2401.7	2401.7	2405.8	2408.9	2407.9	2415.1	2412.0	2406.9	2403.8	2397.6	2406.9
7.5°	2400.7	2400.7	2403.8	2406.9	2404.8	2411.0	2405.8	2398.6	2393.4	2387.3	2395.5
10°	2387.3	2389.3	2392.4	2399.6	2402.7	2412.0	2404.8	2393.4	2385.2	2378.0	2386.2
12.5°	2385.2	2387.3	2391.4	2400.7	2405.8	2419.2	2409.9	2391.4	2379.0	2369.7	2378.0
15°	2394.5	2396.5	2402.7	2414.1	2422.3	2436.8	2423.4	2397.6	2380.0	2367.7	2374.9
17.5°	2405.8	2408.9	2418.2	2434.7	2448.1	2463.6	2447.1	2416.1	2391.4	2374.9	2381.1
20°	2418.2	2422.3	2436.8	2461.5	2486.3	2505.9	2485.3	2444.0	2414.1	2392.4	2398.6
22.5°	2439.9	2445.0	2463.6	2498.7	2535.8	2564.7	2538.9	2483.2	2444.0	2416.1	2421.3
25°	2484.2	2490.4	2514.1	2556.4	2609.1	2644.1	2608.0	2545.1	2490.4	2456.4	2461.5
27.5°	2562.6	2565.7	2596.7	2652.4	2717.4	2757.6	2714.3	2640.0	2579.1	2539.9	2544.1
30°	2665.8	2675.1	2706.0	2779.3	2856.7	2910.3	2853.6	2765.9	2695.7	2648.3	2652.4
32.5°	2791.7	2797.9	2844.3	2920.6	3032.0	3093.9	3016.6	2912.4	2827.8	2770.0	2774.1
35°	2956.7	2961.9	3006.2	3103.2	3238.4	3296.1	3207.4	3087.7	2989.7	2935.1	2950.5
37.5°	3153.8	3163.1	3195.0	3291.0	3441.6	3498.3	3396.2	3284.8	3182.7	3132.1	3143.5
40°	3365.3	3364.2	3390.0	3474.6	3611.8	3646.9	3555.1	3466.4	3378.7	3345.7	3364.2
42.5°	3546.8	3541.7	3560.2	3630.4	3725.3	3728.4	3667.5	3618.0	3556.1	3533.4	3551.0
45°	3673.7	3675.8	3703.6	3752.1	3800.6	3774.8	3756.3	3748.0	3699.5	3668.6	3671.7
47.5°	3773.8	3782.1	3826.4	3859.4	3865.6	3822.3	3848.1	3860.5	3820.2	3772.8	3759.4
50°	3862.5	3875.9	3933.7	3968.8	3955.4	3900.7	3951.2	3969.8	3881.1	3790.3	3763.5
52.5°	4023.5	4038.9	4109.1	4154.5	4139.0	4084.3	4131.8	4065.8	3916.2	3804.7	3770.7
55°	4280.3	4287.6	4373.2	4447.5	4440.2	4373.2	4335.0	4188.5	4007.0	3891.4	3859.4
57.5°	4225.7	4238.0	4386.6	4584.7	4696.1	4635.2	4411.4	4161.7	3915.1	3775.9	3732.5
60°	3325.0	3354.9	3539.6	3888.3	4296.8	4295.8	3880.1	3492.2	3195.0	3010.4	2991.8
62.5°	1941.6	1962.2	2130.4	2483.2	2849.4	2872.1	2580.2	2314.0	2054.0	1929.2	1869.4
65°	919.2	918.2	985.2	1144.1	1391.7	1411.3	1323.6	1178.2	1024.4	982.1	970.8
67.5°	678.8	678.8	673.7	685.0	732.5	742.8	732.5	708.7	694.3	703.6	697.4
70°	589.1	590.1	583.9	580.8	580.8	577.7	581.9	591.1	597.3	609.7	603.5
72.5°	477.7	478.7	478.7	479.7	480.8	476.6	482.8	488.0	489.0	493.1	489.0
75°	339.4	341.5	347.7	352.8	357.0	357.0	359.0	360.0	355.9	361.1	352.8
77.5°	186.7	188.8	200.1	209.4	218.7	219.7	222.8	224.9	222.8	227.0	220.8
80°	103.2	105.2	110.4	114.5	121.7	127.9	132.1	134.1	134.1	137.2	134.1
82.5°	58.8	60.9	64.0	66.0	72.2	77.4	81.5	84.6	84.6	85.6	83.6
85°	27.9	27.9	29.9	32.0	35.1	37.1	42.3	45.4	45.4	47.5	45.4
87.5°	4.1	5.2	6.2	6.2	8.3	10.3	12.4	13.4	15.5	16.5	16.5
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)