

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: P636200

Luminaire Tested: GWS-SA3F-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24973.8 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

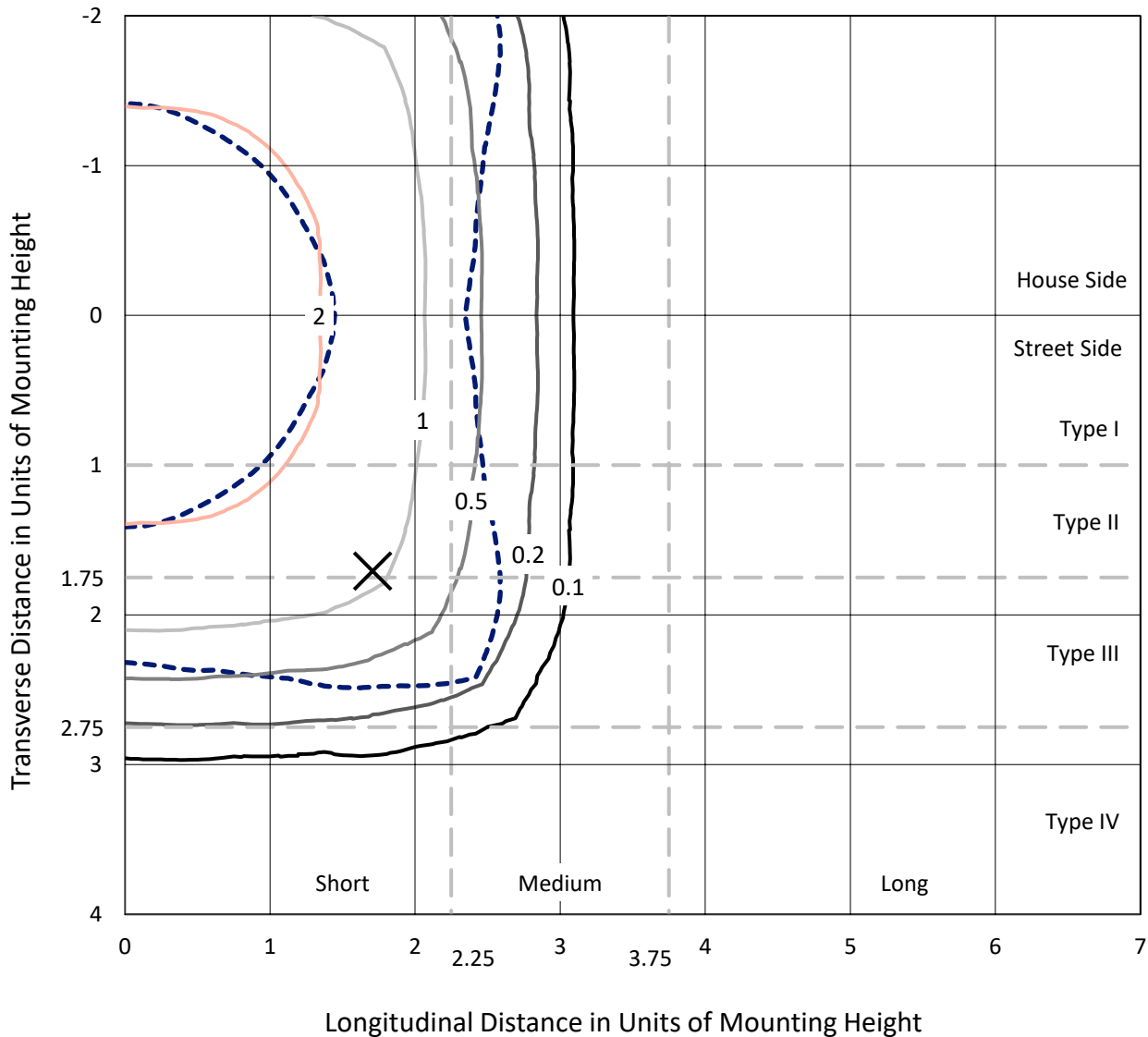
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

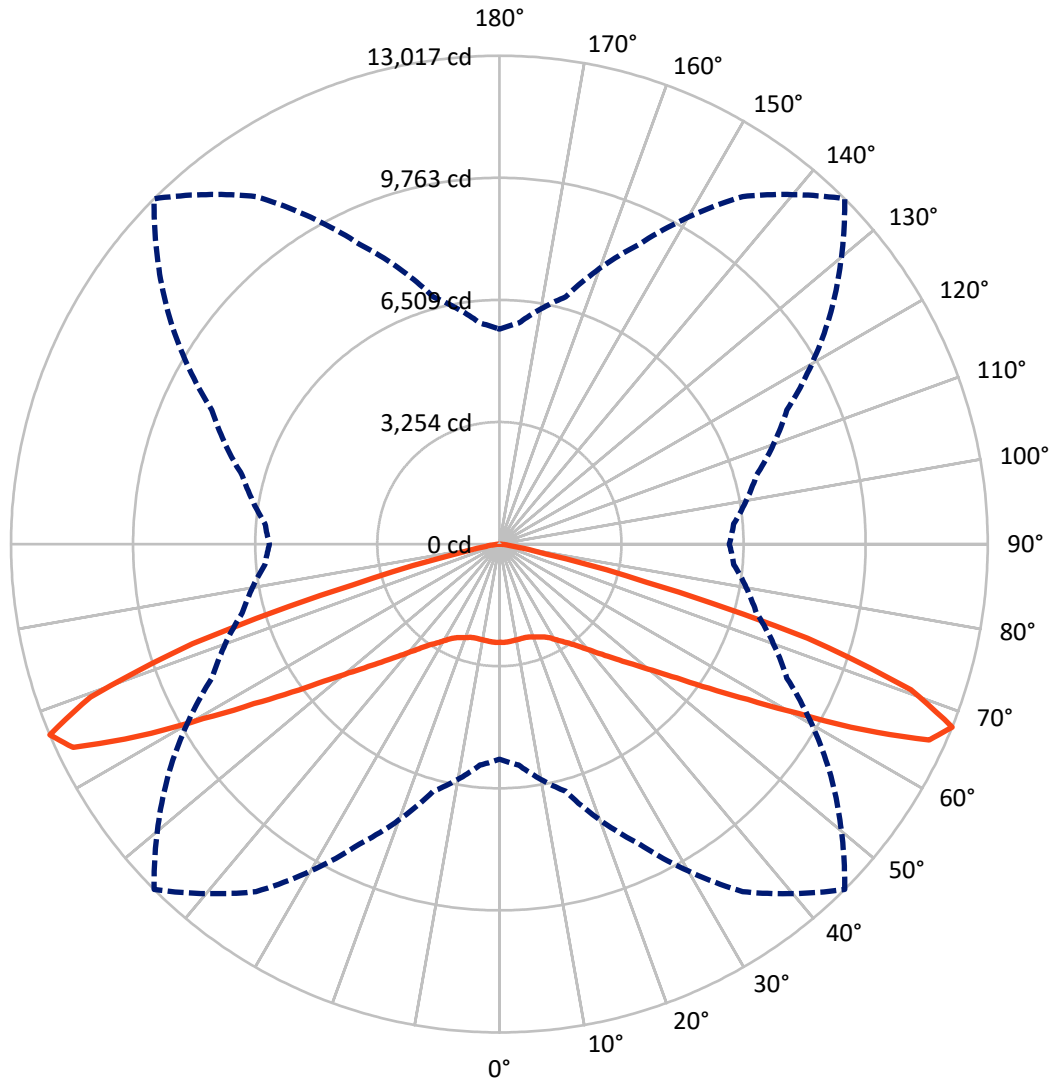
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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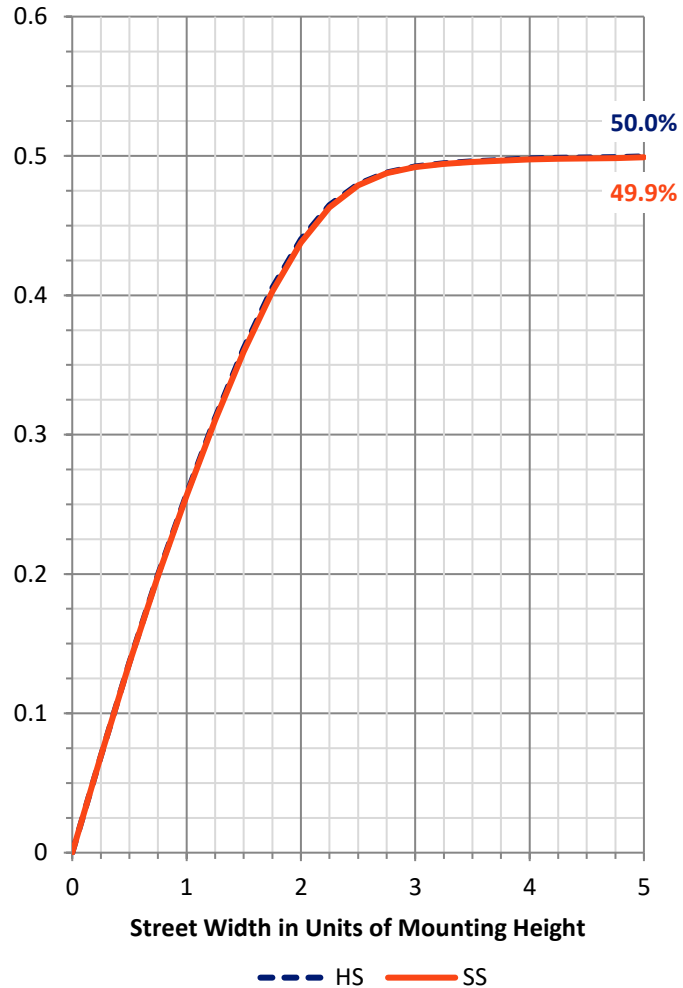
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12486.9	0.0	12486.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12486.9	0.0	12486.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	24973.8	0.0	24973.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.6	1.0
10°-20°	727.1	2.9
20°-30°	1254.0	5.0
30°-40°	2039.1	8.2
40°-50°	3433.4	13.7
50°-60°	6083.4	24.4
60°-70°	8695.7	34.8
70°-80°	2386.6	9.6
80°-90°	106.9	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°	24973.8	100.0
0°-180°	24973.8	100.0

Coefficient of Utilization



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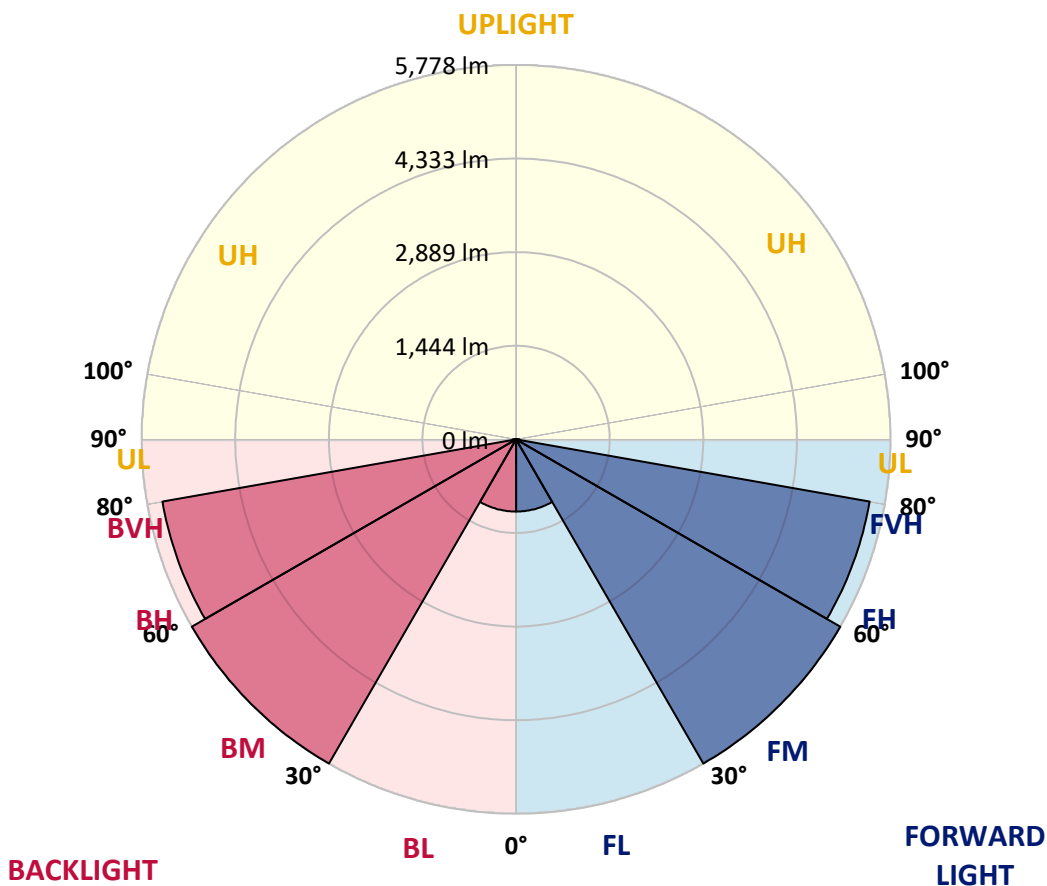
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1114.3	4.5			
FM (30°-60°)	5777.9	23.1			
FH (60°-80°)	5541.2	22.2			G3/7500
FVH (80°-90°)	53.5	0.2			G1/100
BL (0°-30°)	1114.3	4.5	B3/2500		
BM (30°-60°)	5777.9	23.1	B4/8500		
BH (60°-80°)	5541.2	22.2	B5		G3/7500
BVH (80°-90°)	53.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6	2615.6
2.5°	2598.3	2596.5	2605.2	2610.4	2608.7	2620.8	2619.0	2615.6	2615.6	2610.4	2624.2
5°	2598.3	2596.5	2603.5	2605.2	2601.7	2612.1	2608.7	2605.2	2605.2	2598.3	2610.4
7.5°	2584.4	2586.2	2591.4	2594.8	2591.4	2600.0	2594.8	2587.9	2586.2	2579.3	2591.4
10°	2558.5	2560.2	2565.4	2574.1	2575.8	2591.4	2582.7	2570.6	2565.4	2558.5	2570.6
12.5°	2543.0	2544.7	2549.9	2560.2	2563.7	2584.4	2575.8	2556.8	2548.1	2541.2	2553.3
15°	2539.5	2541.2	2548.1	2558.5	2563.7	2584.4	2575.8	2553.3	2541.2	2532.6	2543.0
17.5°	2539.5	2543.0	2553.3	2568.9	2579.3	2600.0	2589.6	2563.7	2546.4	2530.9	2541.2
20°	2541.2	2546.4	2562.0	2584.4	2610.4	2639.8	2625.9	2591.4	2567.2	2548.1	2555.1
22.5°	2556.8	2565.4	2584.4	2613.8	2651.9	2686.4	2674.3	2627.7	2593.1	2567.2	2574.1
25°	2610.4	2613.8	2638.0	2676.1	2712.4	2741.8	2729.7	2686.4	2643.2	2612.1	2620.8
27.5°	2705.5	2714.1	2734.8	2774.6	2805.7	2821.3	2819.6	2790.2	2746.9	2719.3	2726.2
30°	2819.6	2828.2	2855.9	2900.8	2931.9	2949.2	2944.0	2921.6	2881.8	2843.8	2850.7
32.5°	2952.7	2956.1	2989.0	3039.1	3071.9	3097.9	3080.6	3056.4	3006.3	2961.3	2964.8
35°	3122.1	3127.3	3161.8	3208.5	3234.5	3255.2	3251.7	3227.5	3173.9	3125.5	3137.6
37.5°	3334.7	3338.2	3369.3	3428.1	3448.8	3464.4	3467.8	3455.7	3400.4	3338.2	3350.3
40°	3599.2	3600.9	3635.5	3687.4	3709.9	3720.2	3722.0	3723.7	3666.6	3620.0	3616.5
42.5°	3906.9	3915.6	3964.0	4014.1	4024.5	4019.3	4036.6	4053.9	3998.5	3934.6	3939.8
45°	4275.1	4280.3	4346.0	4401.3	4382.3	4365.0	4397.9	4432.5	4382.3	4299.3	4275.1
47.5°	4710.8	4721.2	4792.0	4847.4	4816.2	4785.1	4838.7	4875.0	4793.8	4705.6	4683.1
50°	5203.5	5210.4	5310.7	5379.8	5343.5	5286.5	5353.9	5391.9	5283.0	5174.1	5125.7
52.5°	5786.1	5772.2	5905.3	6026.3	6003.9	5929.5	5984.9	5991.8	5829.3	5675.4	5627.0
55°	6496.6	6482.7	6615.8	6749.0	6804.3	6785.3	6759.3	6717.8	6477.5	6313.3	6268.4
57.5°	7324.6	7281.4	7468.1	7647.9	7768.9	7803.5	7692.8	7596.0	7405.9	7203.6	7151.7
60°	8093.9	8092.2	8387.8	8699.0	9030.9	9169.2	8889.1	8626.4	8199.4	7831.1	7756.8
62.5°	8310.0	8346.3	8830.3	9601.4	10420.8	10910.0	10171.8	9302.3	8477.7	7922.8	7824.2
65°	7777.5	7867.4	8555.5	9772.5	11390.6	12586.9	10920.4	9317.8	8168.2	7476.7	7373.0
67.5°	5732.5	5912.2	6823.3	8818.2	11307.6	13017.3	10787.3	8455.2	7094.7	6271.8	6128.3
70°	2828.2	2999.3	3722.0	5801.6	9304.0	11636.1	9333.4	6372.1	4792.0	4000.3	3868.9
72.5°	1040.7	1109.8	1393.4	2482.5	5134.3	8595.2	6382.5	3559.5	2321.7	1848.0	1759.8
75°	510.0	522.1	565.3	833.2	1894.7	4045.2	2999.3	1365.7	854.0	743.4	719.2
77.5°	325.0	330.2	350.9	397.6	608.5	1274.1	909.3	539.4	418.4	401.1	401.1
80°	181.5	186.7	214.4	247.2	285.2	437.4	326.7	323.3	274.9	240.3	235.1
82.5°	86.4	95.1	136.6	134.8	150.4	219.5	191.9	174.6	176.3	133.1	126.2
85°	39.8	39.8	53.6	64.0	67.4	74.3	88.2	100.3	98.5	67.4	72.6
87.5°	19.0	19.0	19.0	17.3	15.6	13.8	19.0	31.1	44.9	31.1	29.4
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)