

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: P635705

Luminaire Tested: GWS-SA3E-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635705
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-SA3E-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: 22462.1 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

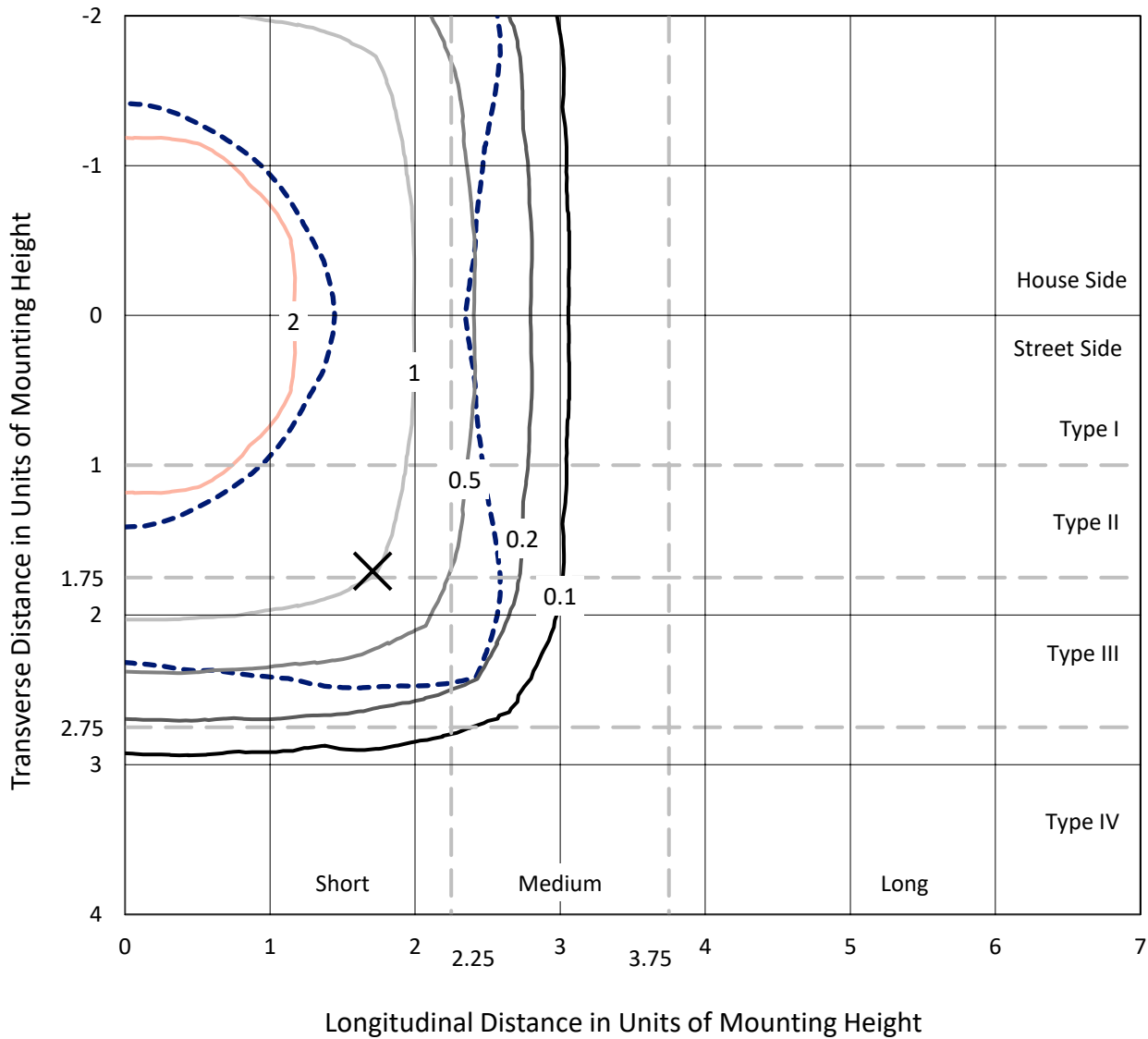
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

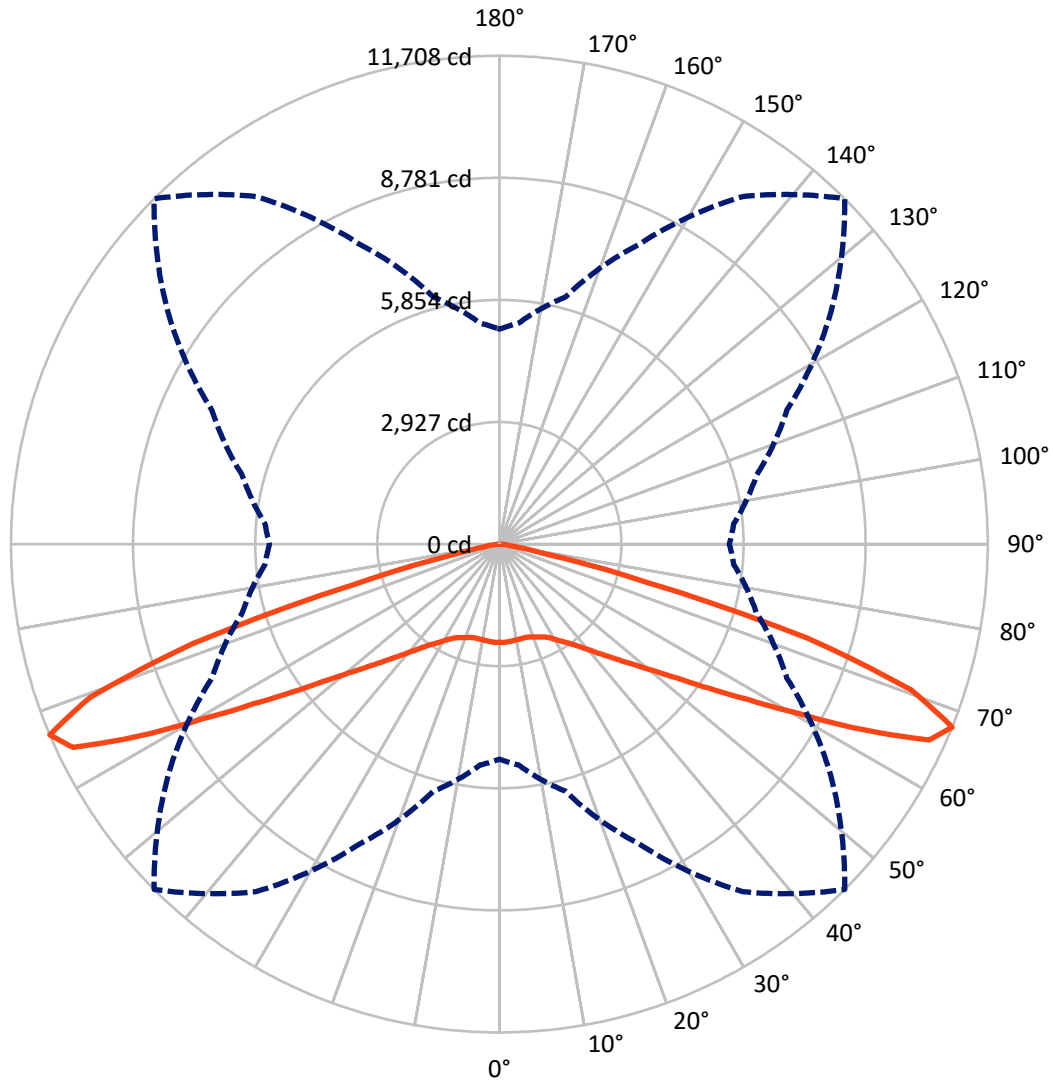
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	11231.0	0.0	11231.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11231.0	0.0	11231.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22462.1	0.0	22462.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	1.0
10°-20°	654.0	2.9
20°-30°	1127.9	5.0
30°-40°	1834.0	8.2
40°-50°	3088.1	13.7
50°-60°	5471.5	24.4
60°-70°	7821.2	34.8
70°-80°	2146.6	9.6
80°-90°	96.2	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°	22462.1	100.0
0°-180°	22462.1	100.0

Coefficient of Utilization



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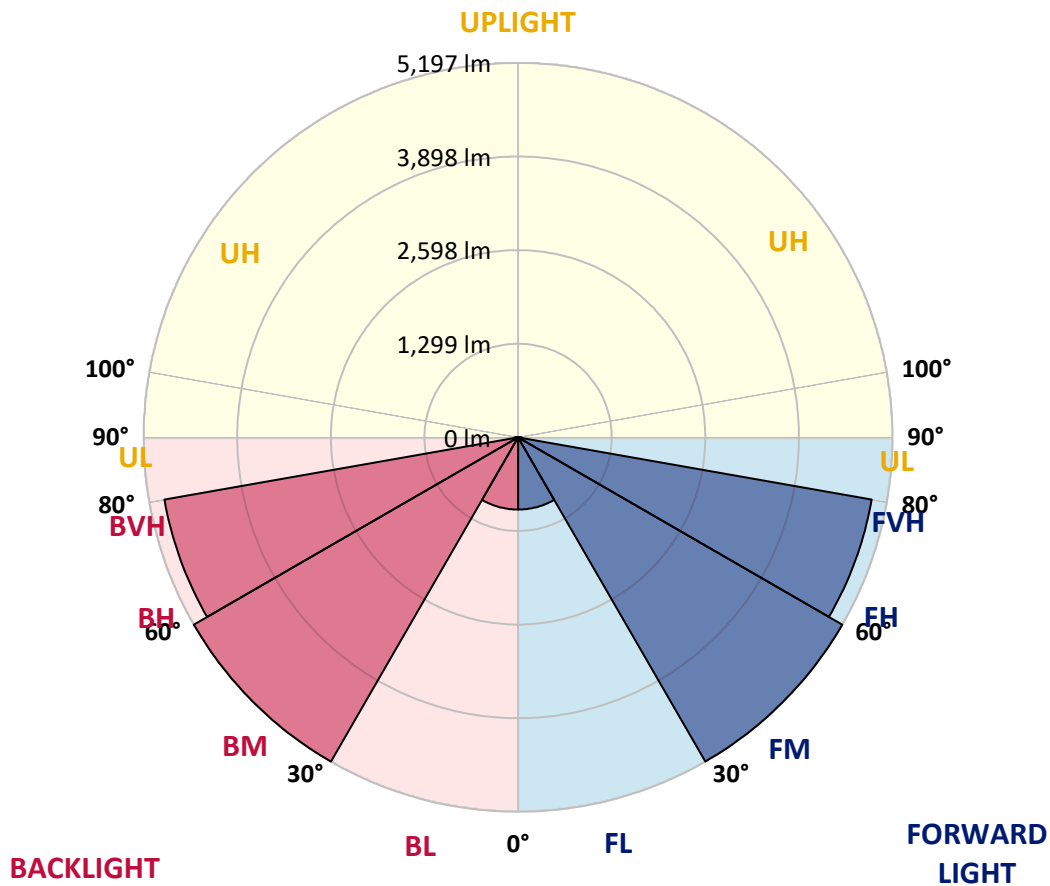
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1002.3	4.5			
FM (30°-60°)	5196.8	23.1			
FH (60°-80°)	4983.9	22.2			G2/5000
FVH (80°-90°)	48.1	0.2			G1/100
BL (0°-30°)	1002.3	4.5	B3/2500		
BM (30°-60°)	5196.8	23.1	B4/8500		
BH (60°-80°)	4983.9	22.2	B4/5000		G2/5000
BVH (80°-90°)	48.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5	2352.5
2.5°	2337.0	2335.4	2343.2	2347.8	2346.3	2357.2	2355.6	2352.5	2352.5	2347.8	2360.3
5°	2337.0	2335.4	2341.6	2343.2	2340.1	2349.4	2346.3	2343.2	2343.2	2337.0	2347.8
7.5°	2324.5	2326.1	2330.7	2333.9	2330.7	2338.5	2333.9	2327.6	2326.1	2319.9	2330.7
10°	2301.2	2302.8	2307.4	2315.2	2316.7	2330.7	2323.0	2312.1	2307.4	2301.2	2312.1
12.5°	2287.2	2288.8	2293.4	2302.8	2305.9	2324.5	2316.7	2299.6	2291.9	2285.7	2296.5
15°	2284.1	2285.7	2291.9	2301.2	2305.9	2324.5	2316.7	2296.5	2285.7	2277.9	2287.2
17.5°	2284.1	2287.2	2296.5	2310.5	2319.9	2338.5	2329.2	2305.9	2290.3	2276.3	2285.7
20°	2285.7	2290.3	2304.3	2324.5	2347.8	2374.3	2361.8	2330.7	2309.0	2291.9	2298.1
22.5°	2299.6	2307.4	2324.5	2351.0	2385.2	2416.3	2405.4	2363.4	2332.3	2309.0	2315.2
25°	2347.8	2351.0	2372.7	2406.9	2439.6	2466.0	2455.1	2416.3	2377.4	2349.4	2357.2
27.5°	2433.4	2441.1	2459.8	2495.6	2523.5	2537.5	2536.0	2509.6	2470.7	2445.8	2452.0
30°	2536.0	2543.8	2568.6	2609.1	2637.0	2652.6	2647.9	2627.7	2592.0	2557.8	2564.0
32.5°	2655.7	2658.8	2688.4	2733.5	2763.0	2786.3	2770.8	2749.0	2703.9	2663.5	2666.6
35°	2808.1	2812.7	2843.8	2885.8	2909.2	2927.8	2924.7	2902.9	2854.7	2811.2	2822.1
37.5°	2999.3	3002.4	3030.4	3083.3	3102.0	3115.9	3119.1	3108.2	3058.4	3002.4	3013.3
40°	3237.2	3238.8	3269.9	3316.5	3336.7	3346.1	3347.6	3349.2	3297.9	3255.9	3252.8
42.5°	3514.0	3521.8	3565.3	3610.4	3619.7	3615.1	3630.6	3646.2	3596.4	3538.9	3543.5
45°	3845.2	3849.8	3908.9	3958.7	3941.6	3926.0	3955.6	3986.7	3941.6	3866.9	3845.2
47.5°	4237.0	4246.3	4310.1	4359.8	4331.9	4303.9	4352.1	4384.7	4311.6	4232.3	4212.1
50°	4680.1	4686.4	4776.5	4838.7	4806.1	4754.8	4815.4	4849.6	4751.7	4653.7	4610.2
52.5°	5204.1	5191.7	5311.4	5420.3	5400.0	5333.2	5382.9	5389.2	5243.0	5104.6	5061.1
55°	5843.2	5830.7	5950.5	6070.2	6119.9	6102.8	6079.5	6042.2	5826.1	5678.4	5637.9
57.5°	6588.0	6549.1	6717.0	6878.7	6987.6	7018.7	6919.1	6832.1	6661.0	6479.1	6432.5
60°	7279.9	7278.3	7544.2	7824.1	8122.6	8247.0	7995.1	7758.8	7374.7	7043.5	6976.7
62.5°	7474.2	7506.9	7942.2	8635.7	9372.7	9812.7	9148.8	8366.7	7625.1	7125.9	7037.3
65°	6995.3	7076.2	7695.0	8789.6	10245.0	11321.0	9822.1	8380.7	7346.7	6724.8	6631.5
67.5°	5155.9	5317.6	6137.0	7931.4	10170.4	11708.1	9702.4	7604.8	6381.2	5641.0	5512.0
70°	2543.8	2697.7	3347.6	5218.1	8368.3	10465.8	8394.7	5731.2	4310.1	3598.0	3479.8
72.5°	936.0	998.2	1253.2	2232.8	4617.9	7730.8	5740.6	3201.5	2088.2	1662.1	1582.9
75°	458.7	469.6	508.4	749.4	1704.1	3638.4	2697.7	1228.3	768.1	668.6	646.8
77.5°	292.3	297.0	315.6	357.6	547.3	1145.9	817.9	485.1	376.3	360.7	360.7
80°	163.3	167.9	192.8	222.3	256.6	393.4	293.9	290.8	247.2	216.1	211.5
82.5°	77.7	85.5	122.8	121.3	135.3	197.5	172.6	157.0	158.6	119.7	113.5
85°	35.8	35.8	48.2	57.5	60.6	66.9	79.3	90.2	88.6	60.6	65.3
87.5°	17.1	17.1	17.1	15.5	14.0	12.4	17.1	28.0	40.4	28.0	26.4
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)