

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: P639173

Luminaire Tested: GWS-SA5B-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18304 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

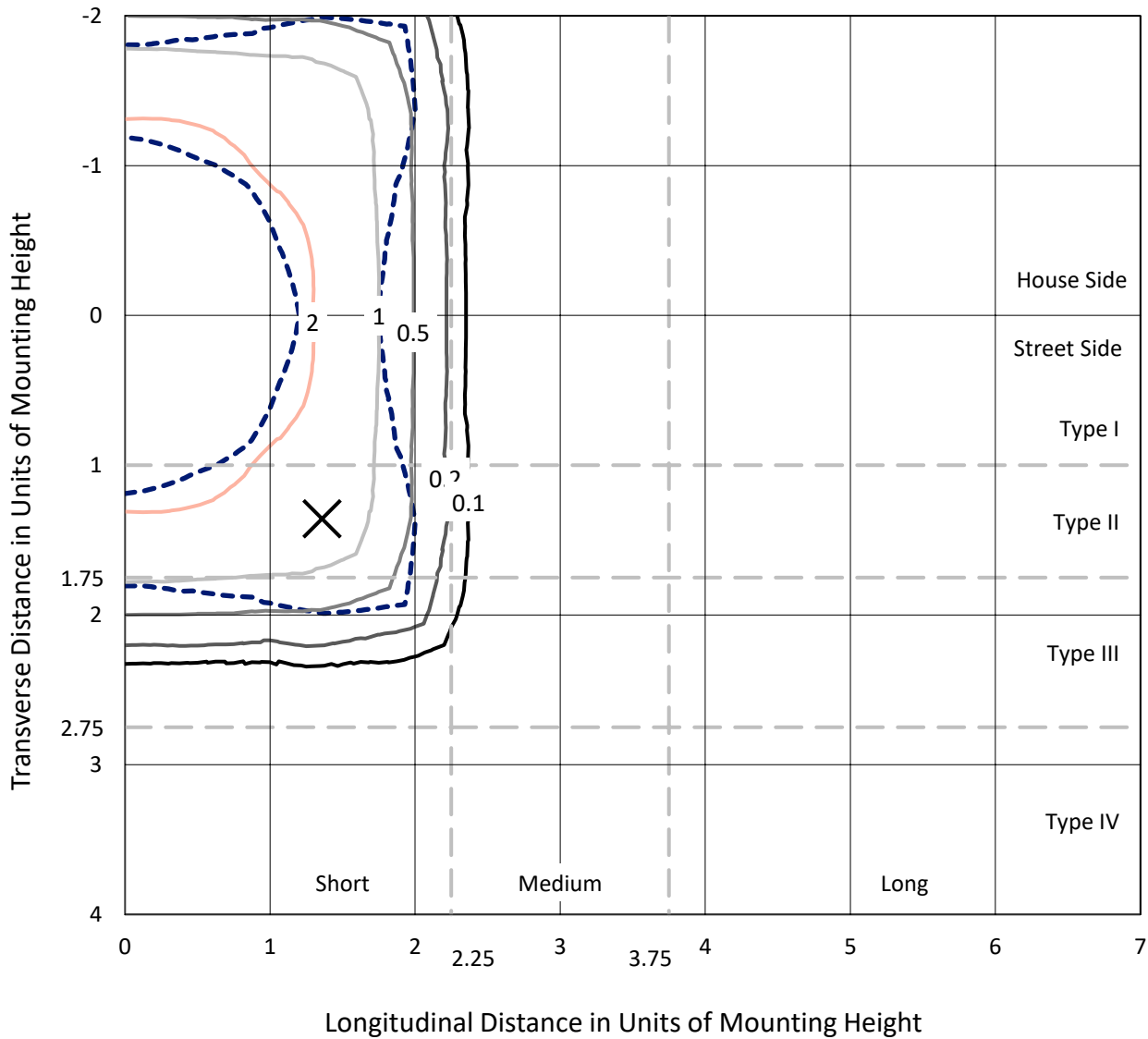
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

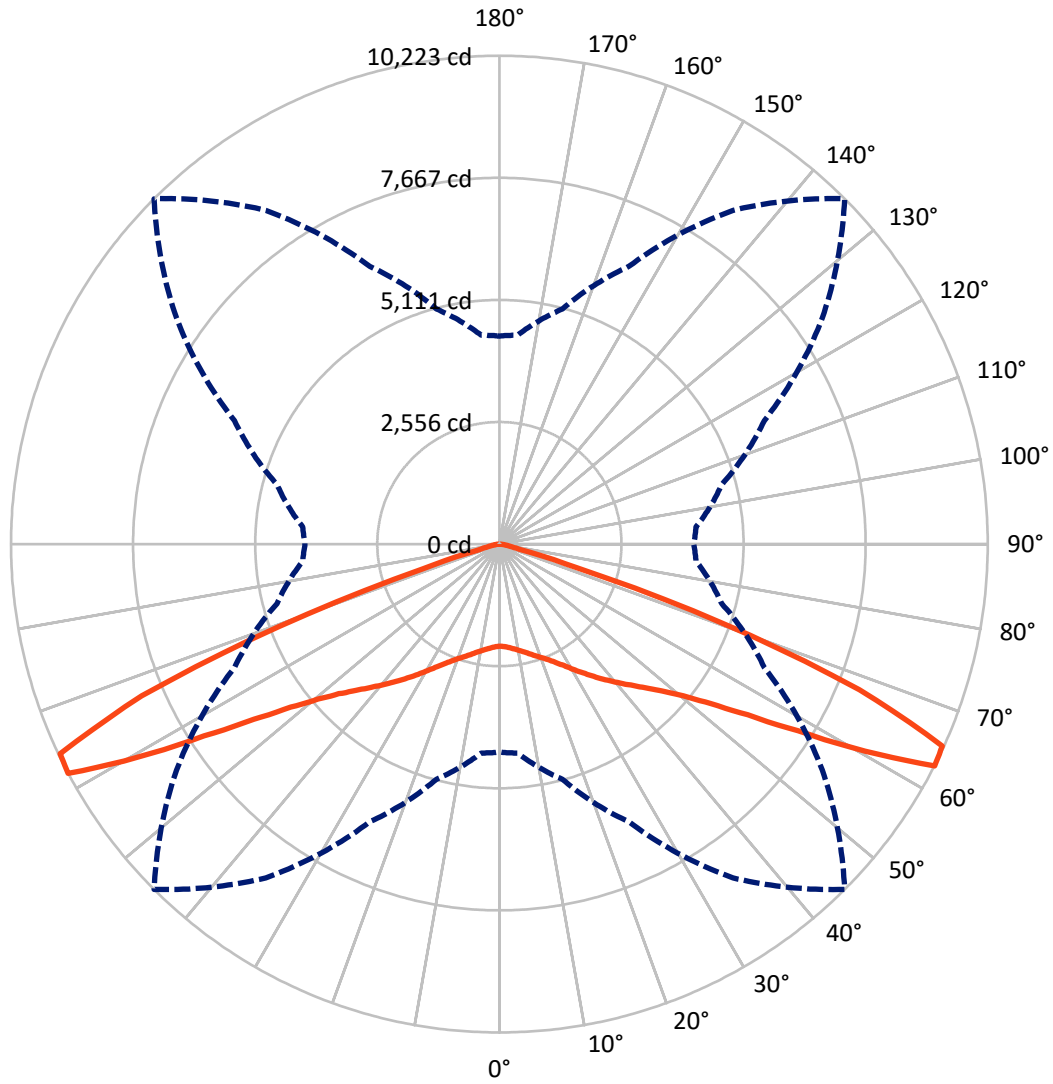
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9152.0	0.0	9152.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9152.0	0.0	9152.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18304.0	0.0	18304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	1.1
10°-20°	675.6	3.7
20°-30°	1278.2	7.0
30°-40°	2151.5	11.8
40°-50°	3437.4	18.8
50°-60°	5540.9	30.3
60°-70°	4520.8	24.7
70°-80°	439.0	2.4
80°-90°	51.1	0.3
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°	18304.0	100.0
0°-180°	18304.0	100.0

Coefficient of Utilization



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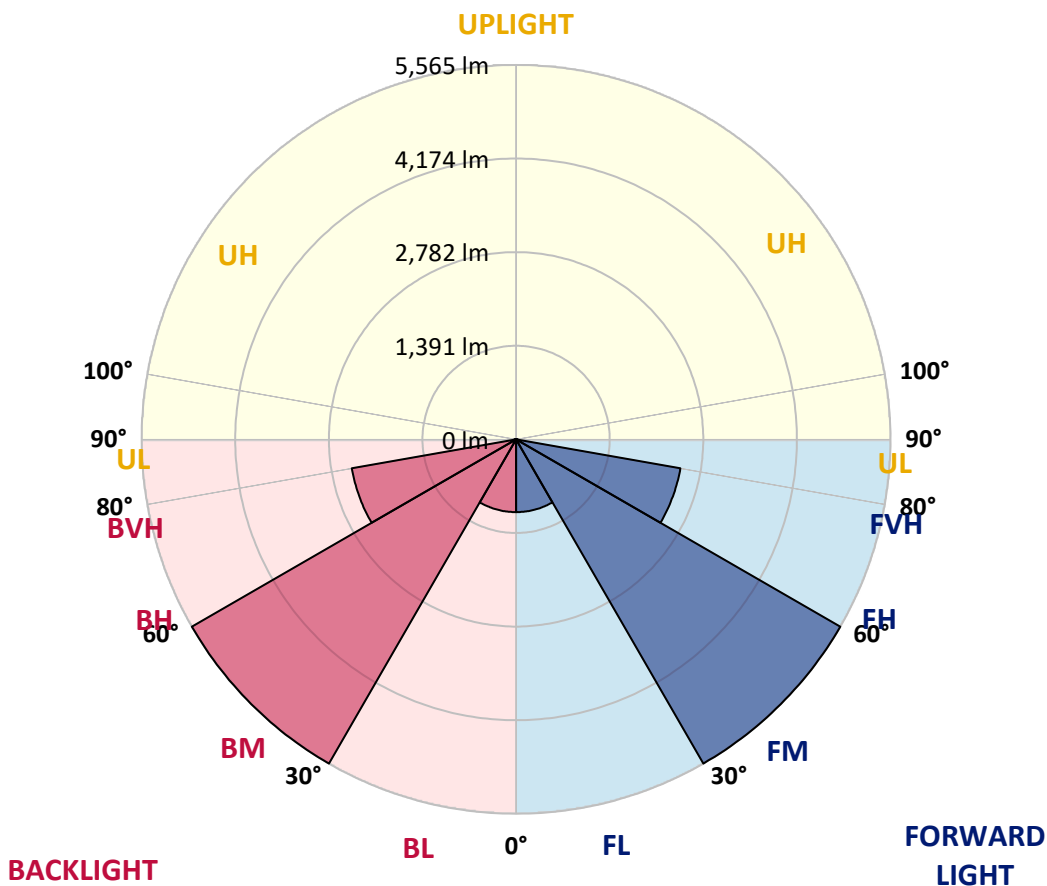
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.7	5.9			
FM (30°-60°)	5564.9	30.4			
FH (60°-80°)	2479.9	13.5			G2/5000
FVH (80°-90°)	25.5	0.1			G1/100
BL (0°-30°)	1081.7	5.9	B3/2500		
BM (30°-60°)	5564.9	30.4	B4/8500		
BH (60°-80°)	2479.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	25.5	0.1			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°	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4	2135.4
2.5°	2132.9	2132.9	2137.9	2141.7	2139.2	2149.2	2148.0	2145.5	2144.2	2140.4	2151.7
5°	2161.8	2161.8	2165.5	2169.3	2163.0	2175.6	2170.6	2168.0	2166.8	2161.8	2171.8
7.5°	2194.4	2198.2	2199.4	2205.7	2201.9	2215.8	2212.0	2207.0	2204.5	2198.2	2207.0
10°	2230.8	2233.3	2234.6	2245.9	2247.1	2263.5	2259.7	2253.4	2248.4	2242.1	2254.7
12.5°	2279.8	2281.0	2284.8	2298.6	2302.4	2314.9	2313.7	2304.9	2298.6	2289.8	2303.6
15°	2342.5	2343.8	2350.1	2363.9	2370.2	2385.2	2380.2	2366.4	2357.6	2347.6	2358.9
17.5°	2407.8	2412.8	2419.1	2432.9	2441.7	2459.3	2453.0	2438.0	2430.4	2420.4	2427.9
20°	2491.9	2493.2	2497.0	2512.0	2518.3	2538.4	2539.6	2524.6	2520.8	2510.8	2522.1
22.5°	2584.8	2586.1	2589.9	2606.2	2617.5	2630.0	2637.6	2628.8	2622.5	2609.9	2623.8
25°	2687.8	2700.3	2704.1	2724.2	2736.7	2744.3	2753.1	2749.3	2740.5	2725.4	2731.7
27.5°	2832.1	2834.7	2840.9	2863.5	2871.1	2878.6	2887.4	2888.6	2876.1	2858.5	2867.3
30°	2996.6	2995.3	3009.2	3026.7	3033.0	3039.3	3051.8	3059.4	3043.1	3024.2	3033.0
32.5°	3164.8	3179.9	3197.5	3213.8	3210.0	3212.5	3232.6	3246.4	3223.8	3189.9	3197.5
35°	3354.4	3364.4	3387.0	3410.9	3405.9	3402.1	3414.6	3428.5	3397.1	3353.1	3364.4
37.5°	3549.0	3564.0	3597.9	3626.8	3619.3	3601.7	3615.5	3630.6	3600.4	3550.2	3545.2
40°	3766.2	3790.0	3839.0	3862.8	3842.7	3808.8	3832.7	3869.1	3839.0	3781.2	3767.4
42.5°	4021.0	4049.9	4098.8	4135.2	4091.3	4036.1	4076.2	4129.0	4121.4	4044.8	4021.0
45°	4336.1	4354.9	4415.2	4432.8	4367.5	4290.9	4363.7	4444.1	4425.2	4342.4	4311.0
47.5°	4678.8	4707.7	4760.4	4793.1	4687.6	4592.2	4693.9	4801.8	4781.8	4703.9	4667.5
50°	5115.7	5153.4	5222.4	5250.0	5104.4	4995.2	5125.7	5262.6	5223.7	5119.5	5071.8
52.5°	5591.5	5621.6	5739.6	5794.9	5658.0	5540.0	5654.3	5788.6	5705.7	5567.6	5503.6
55°	6010.8	6040.9	6214.2	6397.4	6391.2	6309.6	6367.3	6369.8	6145.1	5916.6	5848.8
57.5°	6101.2	6131.3	6461.5	6941.0	7280.0	7374.1	7204.6	6848.1	6281.9	5881.5	5804.9
60°	5619.1	5653.0	6177.7	7054.0	8168.8	8797.7	8016.9	6838.1	5858.9	5316.6	5243.7
62.5°	4353.7	4390.1	5095.6	6411.2	8527.8	10222.6	8252.9	6118.7	4819.4	4132.7	4068.7
65°	2078.9	2078.9	2975.3	4598.5	7812.3	10188.7	7570.0	4526.9	2901.2	2228.3	2173.1
67.5°	514.7	517.2	765.8	1790.2	5314.0	8131.1	5400.7	2173.1	1021.9	723.1	704.3
70°	321.4	320.1	355.3	484.6	1859.2	4934.9	2208.2	655.3	415.5	366.6	364.1
72.5°	249.8	249.8	267.4	310.1	487.1	1681.0	644.0	364.1	301.3	271.2	271.2
75°	197.1	197.1	209.6	232.2	287.5	433.1	342.7	269.9	233.5	213.4	210.9
77.5°	146.9	149.4	159.4	174.5	195.8	243.5	217.2	203.4	182.0	167.0	161.9
80°	95.4	99.2	111.7	120.5	128.0	160.7	141.9	148.1	138.1	120.5	118.0
82.5°	51.5	52.7	67.8	70.3	72.8	87.9	90.4	94.2	97.9	76.6	71.6
85°	18.8	18.8	22.6	26.4	28.9	31.4	42.7	52.7	55.2	43.9	42.7
87.5°	3.8	3.8	3.8	2.5	2.5	2.5	7.5	13.8	22.6	17.6	17.6
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)