

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: P639665

Luminaire Tested: GWS-SA5C-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639665
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-SA5C-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24322.1 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

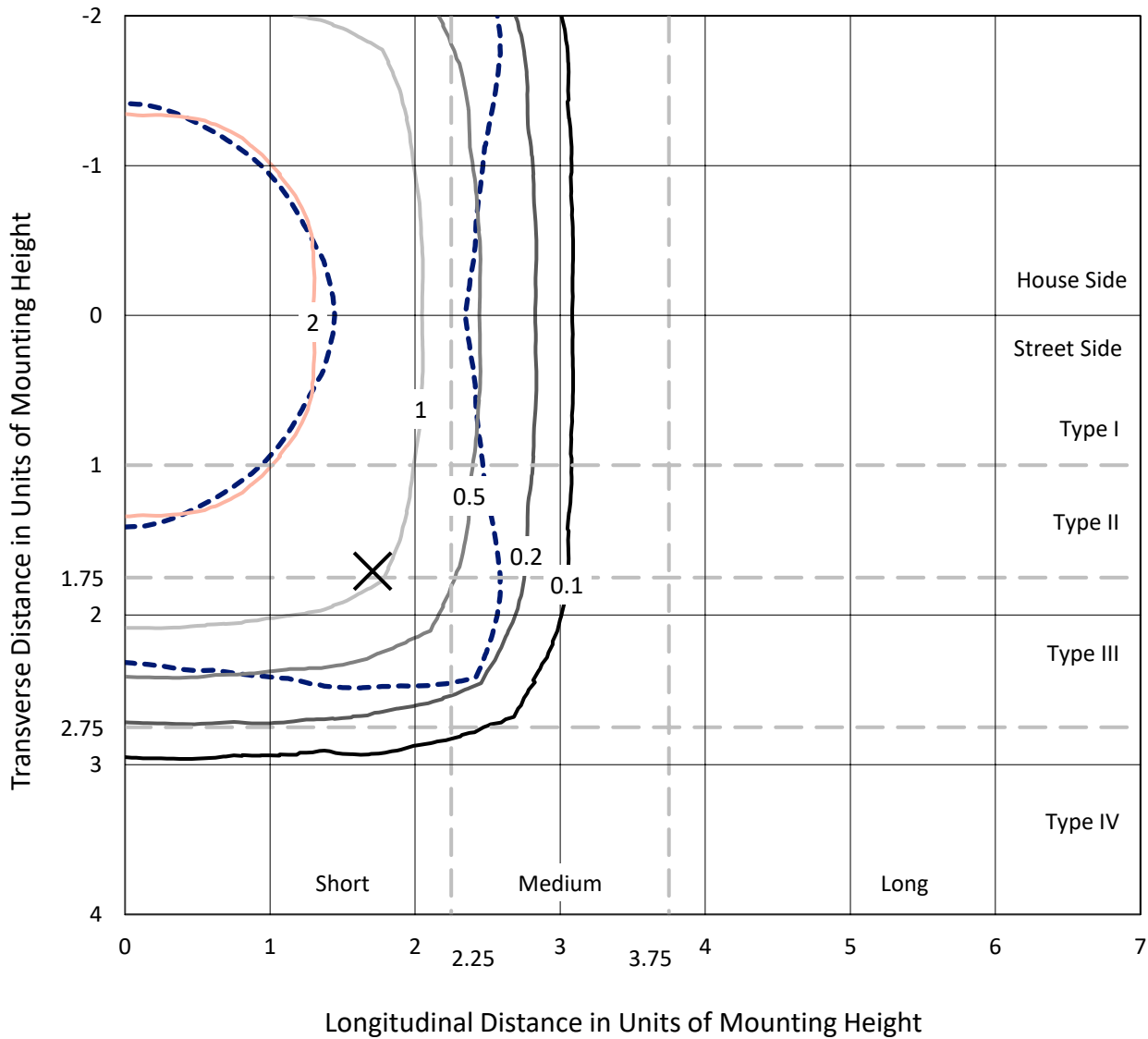
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

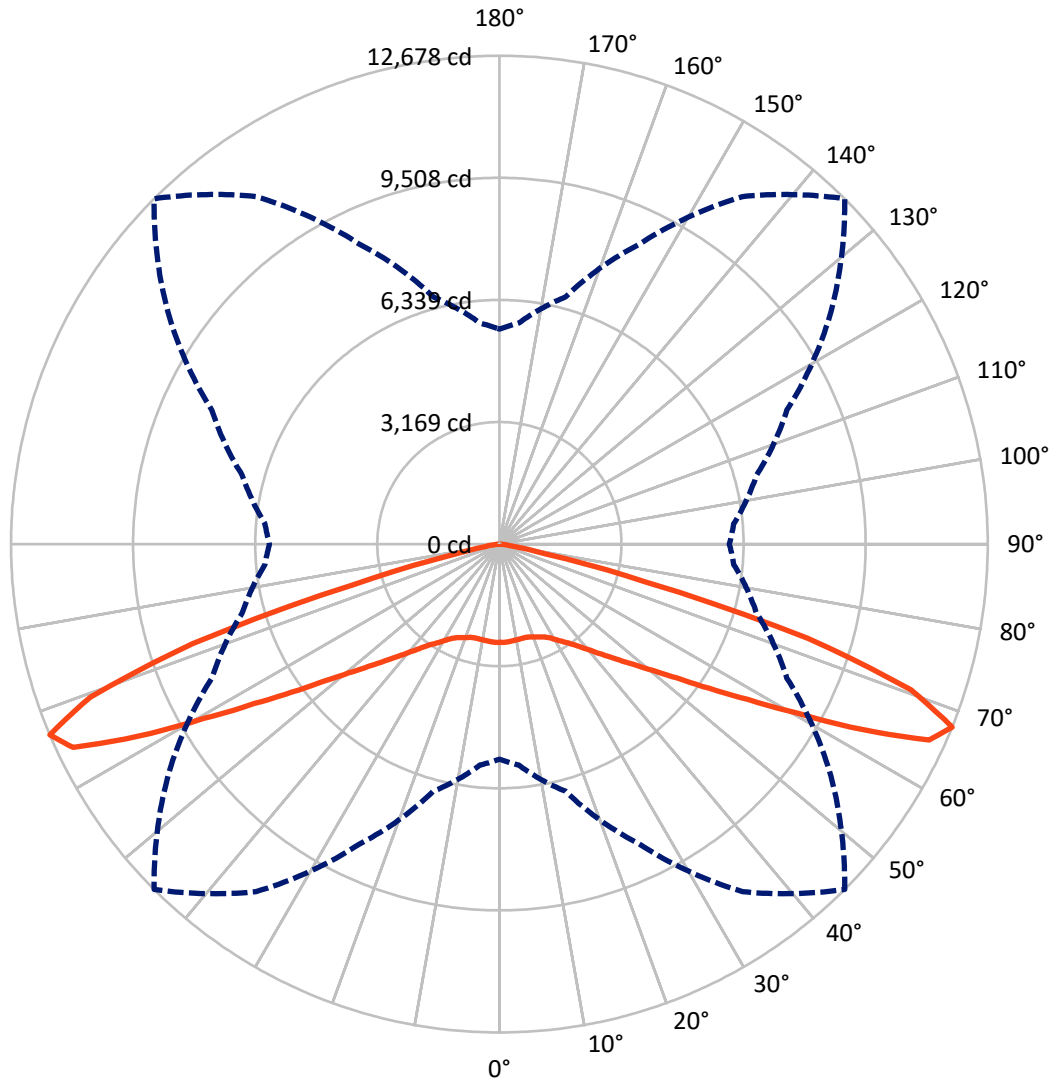
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	12161.0	0.0	12161.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12161.0	0.0	12161.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24322.1	0.0	24322.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	1.0
10°-20°	708.1	2.9
20°-30°	1221.3	5.0
30°-40°	1985.9	8.2
40°-50°	3343.8	13.7
50°-60°	5924.6	24.4
60°-70°	8468.8	34.8
70°-80°	2324.3	9.6
80°-90°	104.1	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°	24322.1	100.0
0°-180°	24322.1	100.0

Coefficient of Utilization



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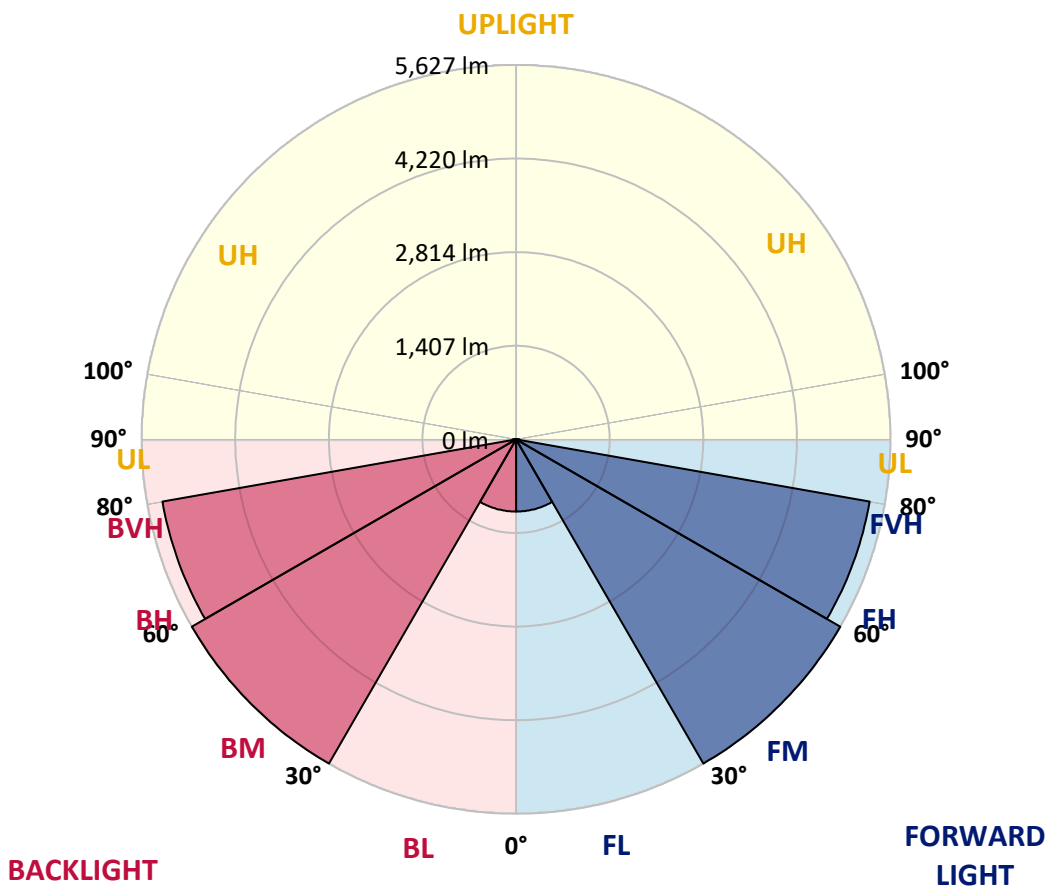
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.3	4.5			
FM (30°-60°)	5627.2	23.1			
FH (60°-80°)	5396.6	22.2			G3/7500
FVH (80°-90°)	52.1	0.2			G1/100
BL (0°-30°)	1085.3	4.5	B3/2500		
BM (30°-60°)	5627.2	23.1	B4/8500		
BH (60°-80°)	5396.6	22.2	B5		G3/7500
BVH (80°-90°)	52.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3	2547.3
2.5°	2530.5	2528.8	2537.2	2542.3	2540.6	2552.4	2550.7	2547.3	2547.3	2542.3	2555.7
5°	2530.5	2528.8	2535.5	2537.2	2533.8	2543.9	2540.6	2537.2	2537.2	2530.5	2542.3
7.5°	2517.0	2518.7	2523.7	2527.1	2523.7	2532.2	2527.1	2520.4	2518.7	2512.0	2523.7
10°	2491.8	2493.4	2498.5	2506.9	2508.6	2523.7	2515.3	2503.5	2498.5	2491.8	2503.5
12.5°	2476.6	2478.3	2483.3	2493.4	2496.8	2517.0	2508.6	2490.1	2481.7	2474.9	2486.7
15°	2473.2	2474.9	2481.7	2491.8	2496.8	2517.0	2508.6	2486.7	2474.9	2466.5	2476.6
17.5°	2473.2	2476.6	2486.7	2501.9	2512.0	2532.2	2522.1	2496.8	2480.0	2464.8	2474.9
20°	2474.9	2480.0	2495.1	2517.0	2542.3	2570.9	2557.4	2523.7	2500.2	2481.7	2488.4
22.5°	2490.1	2498.5	2517.0	2545.6	2582.7	2616.3	2604.6	2559.1	2525.4	2500.2	2506.9
25°	2542.3	2545.6	2569.2	2606.2	2641.6	2670.2	2658.4	2616.3	2574.2	2543.9	2552.4
27.5°	2634.9	2643.3	2663.5	2702.2	2732.5	2747.7	2746.0	2717.4	2675.3	2648.3	2655.1
30°	2746.0	2754.4	2781.3	2825.1	2855.4	2872.2	2867.2	2845.3	2806.6	2769.5	2776.3
32.5°	2875.6	2879.0	2911.0	2959.8	2991.8	3017.0	3000.2	2976.6	2927.8	2884.0	2887.4
35°	3040.6	3045.7	3079.3	3124.8	3150.0	3170.2	3166.9	3143.3	3091.1	3044.0	3055.8
37.5°	3247.7	3251.1	3281.4	3338.6	3358.8	3374.0	3377.3	3365.5	3311.7	3251.1	3262.8
40°	3505.3	3507.0	3540.6	3591.2	3613.0	3623.1	3624.8	3626.5	3571.0	3525.5	3522.1
42.5°	3805.0	3813.4	3860.5	3909.4	3919.5	3914.4	3931.2	3948.1	3894.2	3831.9	3837.0
45°	4163.6	4168.6	4232.6	4286.5	4268.0	4251.1	4283.1	4316.8	4268.0	4187.2	4163.6
47.5°	4587.9	4598.0	4667.0	4720.9	4690.6	4660.2	4712.4	4747.8	4668.7	4582.8	4560.9
50°	5067.7	5074.4	5172.1	5239.4	5204.1	5148.5	5214.2	5251.2	5145.1	5039.1	4991.9
52.5°	5635.1	5621.6	5751.2	5869.1	5847.2	5774.8	5828.7	5835.4	5677.2	5527.3	5480.2
55°	6327.0	6313.6	6443.2	6572.8	6626.7	6608.2	6582.9	6542.5	6308.5	6148.6	6104.8
57.5°	7133.5	7091.4	7273.2	7448.3	7566.2	7599.8	7492.1	7397.8	7212.6	7015.6	6965.1
60°	7882.7	7881.0	8168.9	8472.0	8795.2	8929.9	8657.2	8401.2	7985.4	7626.8	7554.4
62.5°	8093.1	8128.5	8599.9	9350.8	10148.8	10625.3	9906.4	9059.5	8256.5	7716.0	7620.0
65°	7574.6	7662.1	8332.2	9517.5	11093.3	12258.4	10635.4	9074.7	7955.1	7281.6	7180.6
67.5°	5582.9	5758.0	6645.2	8588.1	11012.5	12677.6	10505.8	8234.6	6909.6	6108.2	5968.4
70°	2754.4	2921.1	3624.8	5650.2	9061.2	11332.4	9089.8	6205.8	4667.0	3895.9	3767.9
72.5°	1013.5	1080.9	1357.0	2417.7	5000.3	8370.9	6215.9	3466.6	2261.1	1799.8	1713.9
75°	496.7	508.5	550.5	811.5	1845.2	3939.7	2921.1	1330.1	831.7	724.0	700.4
77.5°	316.5	321.6	341.8	387.2	592.6	1240.8	885.6	525.3	407.4	390.6	390.6
80°	176.8	181.8	208.8	240.8	277.8	426.0	318.2	314.8	267.7	234.0	229.0
82.5°	84.2	92.6	133.0	131.3	146.5	213.8	186.9	170.0	171.7	129.6	122.9
85°	38.7	38.7	52.2	62.3	65.7	72.4	85.9	97.6	96.0	65.7	70.7
87.5°	18.5	18.5	18.5	16.8	15.2	13.5	18.5	30.3	43.8	30.3	28.6
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)