

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: P637685

Luminaire Tested: GWS-SA4D-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637685
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-SA4D-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25013 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

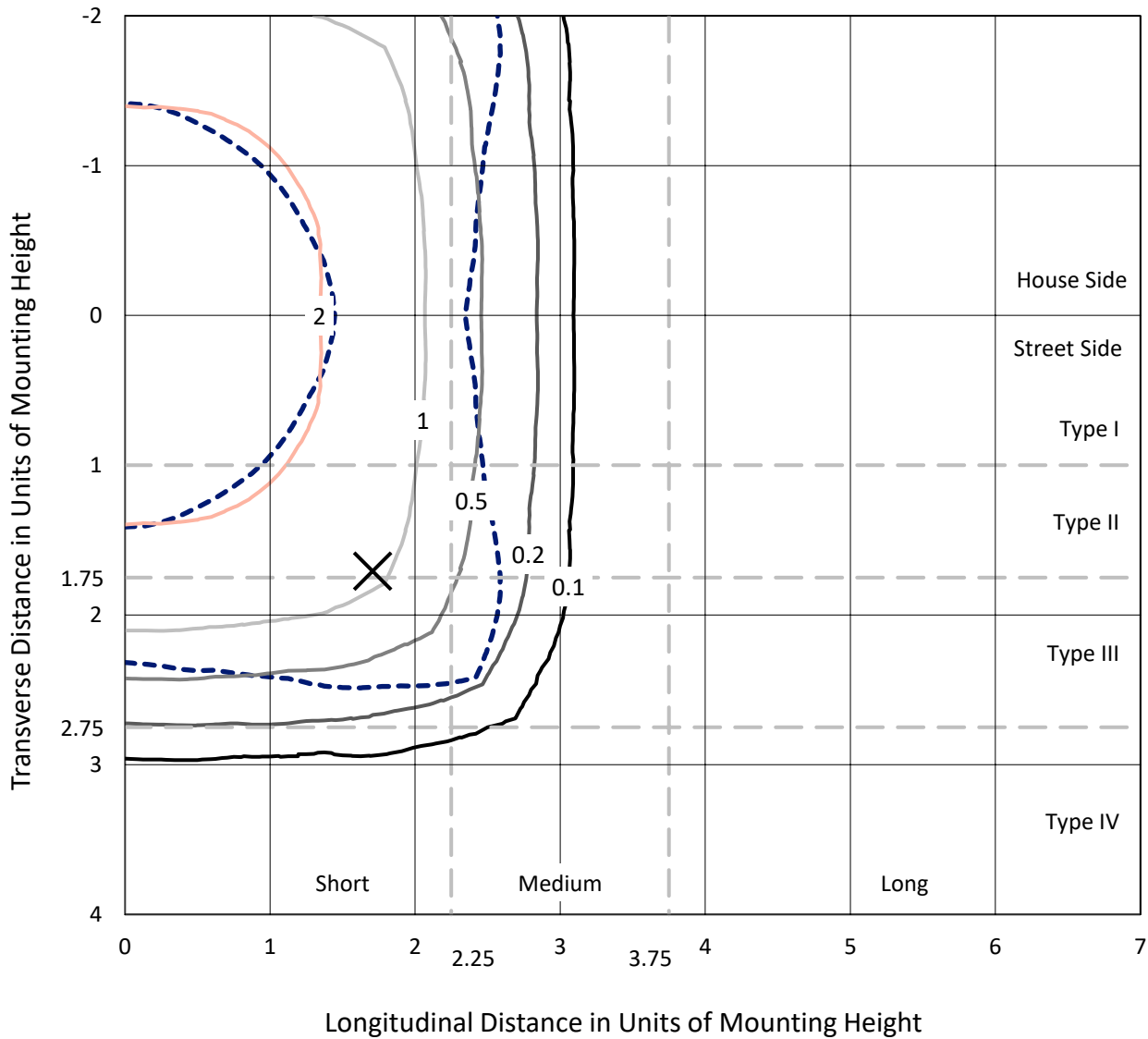
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637685
 CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

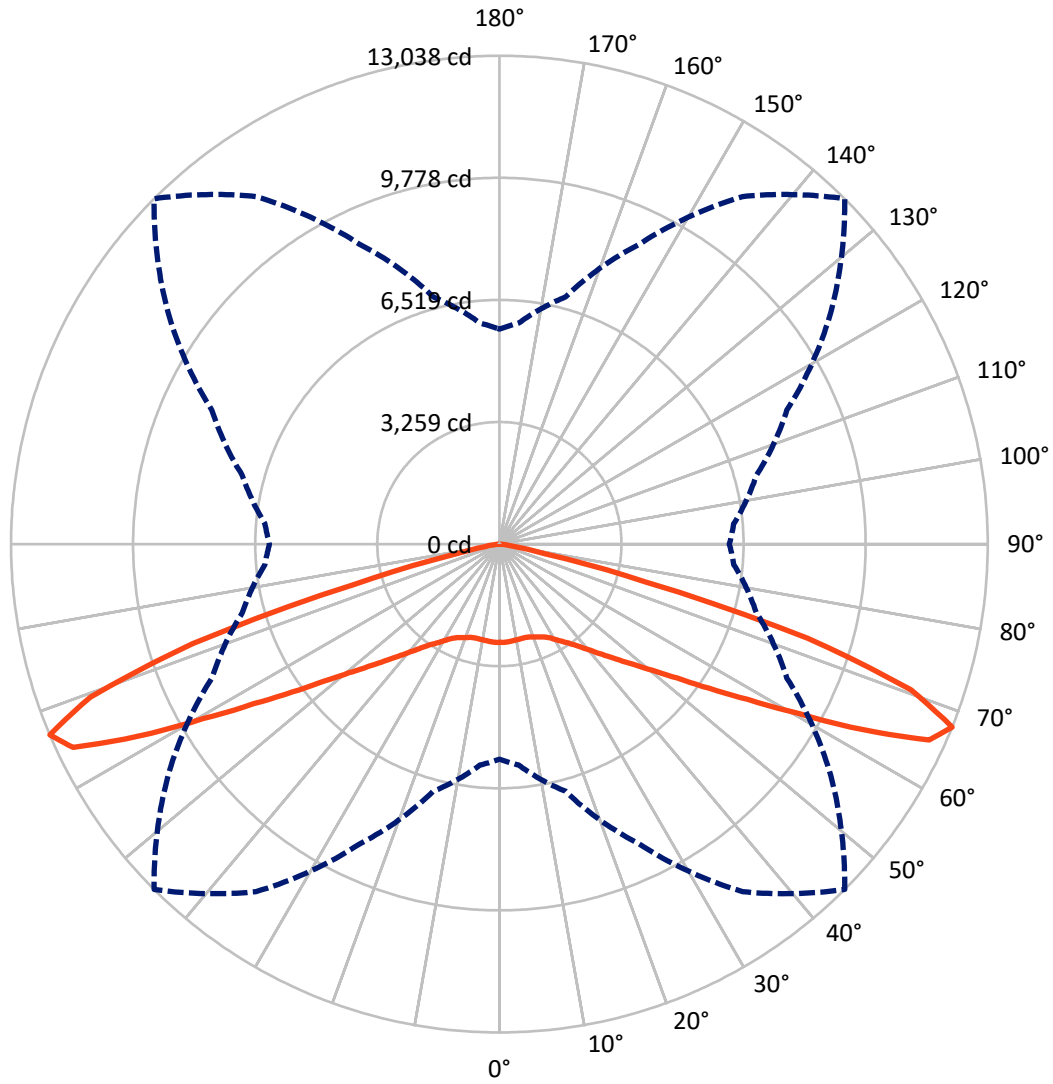
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P637685
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637685

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12506.5	0.0	12506.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12506.5	0.0	12506.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25013.0	0.0	25013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	1.0
10°-20°	728.2	2.9
20°-30°	1256.0	5.0
30°-40°	2042.3	8.2
40°-50°	3438.8	13.7
50°-60°	6092.9	24.4
60°-70°	8709.4	34.8
70°-80°	2390.4	9.6
80°-90°	107.1	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°	25013.0	100.0
0°-180°	25013.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637685

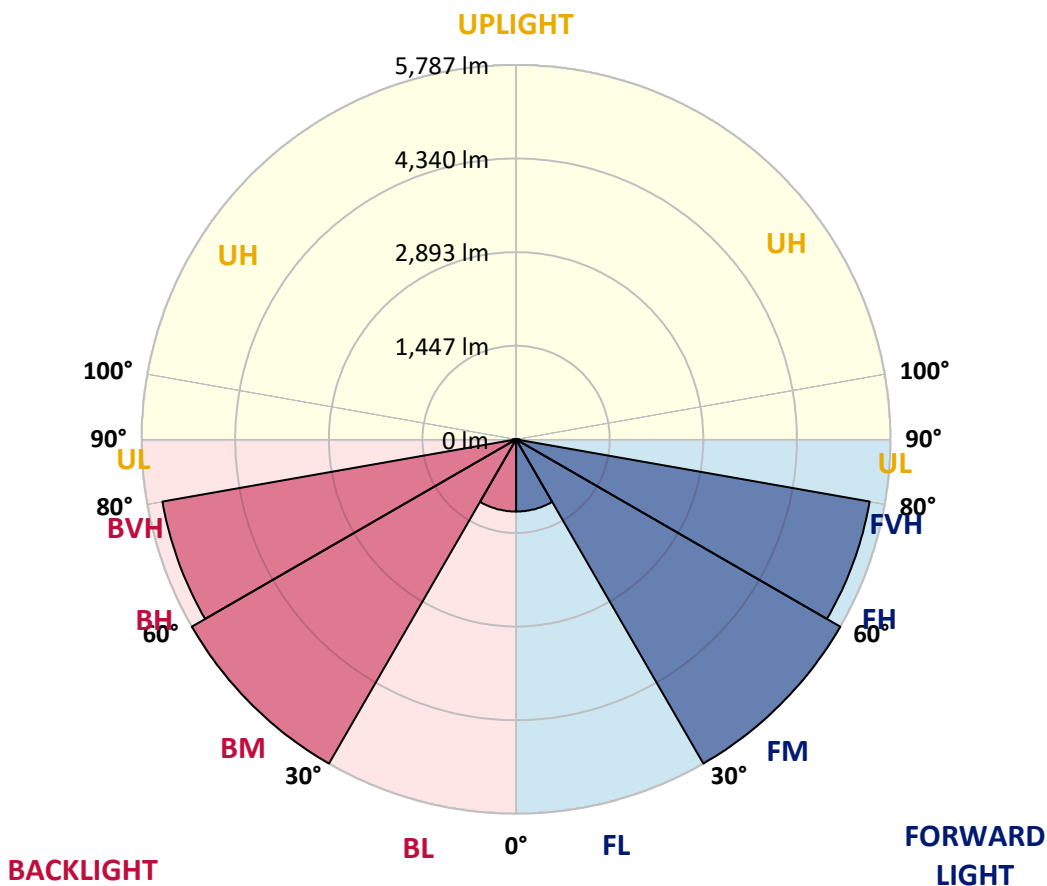
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.1	4.5			
FM (30°-60°)	5787.0	23.1			
FH (60°-80°)	5549.9	22.2			G3/7500
FVH (80°-90°)	53.5	0.2			G1/100
BL (0°-30°)	1116.1	4.5	B3/2500		
BM (30°-60°)	5787.0	23.1	B4/8500		
BH (60°-80°)	5549.9	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





REPORT NUMBER: P637685
 CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7	2619.7
2.5°	2602.4	2600.6	2609.3	2614.5	2612.7	2624.9	2623.1	2619.7	2619.7	2614.5	2628.3
5°	2602.4	2600.6	2607.6	2609.3	2605.8	2616.2	2612.7	2609.3	2609.3	2602.4	2614.5
7.5°	2588.5	2590.2	2595.4	2598.9	2595.4	2604.1	2598.9	2592.0	2590.2	2583.3	2595.4
10°	2562.5	2564.3	2569.5	2578.1	2579.8	2595.4	2586.8	2574.7	2569.5	2562.5	2574.7
12.5°	2547.0	2548.7	2553.9	2564.3	2567.7	2588.5	2579.8	2560.8	2552.1	2545.2	2557.3
15°	2543.5	2545.2	2552.1	2562.5	2567.7	2588.5	2579.8	2557.3	2545.2	2536.6	2547.0
17.5°	2543.5	2547.0	2557.3	2572.9	2583.3	2604.1	2593.7	2567.7	2550.4	2534.8	2545.2
20°	2545.2	2550.4	2566.0	2588.5	2614.5	2643.9	2630.1	2595.4	2571.2	2552.1	2559.1
22.5°	2560.8	2569.5	2588.5	2617.9	2656.0	2690.7	2678.5	2631.8	2597.2	2571.2	2578.1
25°	2614.5	2617.9	2642.2	2680.3	2716.6	2746.1	2733.9	2690.7	2647.4	2616.2	2624.9
27.5°	2709.7	2718.4	2739.1	2779.0	2810.1	2825.7	2824.0	2794.5	2751.3	2723.6	2730.5
30°	2824.0	2832.6	2860.3	2905.4	2936.5	2953.8	2948.6	2926.1	2886.3	2848.2	2855.1
32.5°	2957.3	2960.8	2993.7	3043.9	3076.8	3102.7	3085.4	3061.2	3011.0	2966.0	2969.4
35°	3127.0	3132.2	3166.8	3213.6	3239.5	3260.3	3256.8	3232.6	3178.9	3130.4	3142.6
37.5°	3340.0	3343.4	3374.6	3433.4	3454.2	3469.8	3473.3	3461.2	3405.7	3343.4	3355.5
40°	3604.9	3606.6	3641.2	3693.2	3715.7	3726.1	3727.8	3729.5	3672.4	3625.6	3622.2
42.5°	3913.1	3921.7	3970.2	4020.4	4030.8	4025.6	4042.9	4060.2	4004.8	3940.8	3946.0
45°	4281.9	4287.0	4352.8	4408.3	4389.2	4371.9	4404.8	4439.4	4389.2	4306.1	4281.9
47.5°	4718.2	4728.6	4799.6	4855.0	4823.8	4792.6	4846.3	4882.7	4801.3	4713.0	4690.5
50°	5211.6	5218.6	5319.0	5388.2	5351.9	5294.7	5362.3	5400.4	5291.3	5182.2	5133.7
52.5°	5795.1	5781.3	5914.6	6035.8	6013.3	5938.8	5994.3	6001.2	5838.4	5684.3	5635.8
55°	6506.8	6492.9	6626.2	6759.5	6815.0	6795.9	6769.9	6728.4	6487.7	6323.2	6278.2
57.5°	7336.1	7292.8	7479.8	7659.9	7781.1	7815.7	7704.9	7608.0	7417.5	7214.9	7163.0
60°	8106.6	8104.9	8401.0	8712.6	9045.1	9183.6	8903.1	8639.9	8212.2	7843.4	7769.0
62.5°	8323.0	8359.4	8844.2	9616.4	10437.1	10927.1	10187.8	9316.9	8491.0	7935.2	7836.5
65°	7789.8	7879.8	8568.9	9787.8	11408.5	12606.6	10937.5	9332.5	8181.1	7488.5	7384.6
67.5°	5741.5	5921.5	6834.0	8832.1	11325.4	13037.8	10804.2	8468.5	7105.8	6281.7	6138.0
70°	2832.6	3004.1	3727.8	5810.7	9318.6	11654.3	9348.1	6382.1	4799.6	4006.6	3875.0
72.5°	1042.3	1111.6	1395.5	2486.4	5142.4	8608.7	6392.5	3565.0	2325.3	1850.9	1762.6
75°	510.8	522.9	566.2	834.6	1897.7	4051.6	3004.1	1367.8	855.3	744.5	720.3
77.5°	325.5	330.7	351.5	398.2	609.5	1276.1	910.7	540.2	419.0	401.7	401.7
80°	181.8	187.0	214.7	247.6	285.7	438.1	327.2	323.8	275.3	240.7	235.5
82.5°	86.6	95.2	136.8	135.1	150.6	219.9	192.2	174.9	176.6	133.3	126.4
85°	39.8	39.8	53.7	64.1	67.5	74.5	88.3	100.4	98.7	67.5	72.7
87.5°	19.0	19.0	19.0	17.3	15.6	13.9	19.0	31.2	45.0	31.2	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)