

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: P633724

Luminaire Tested: GWS-SA2F-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14009.6 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 124.5
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

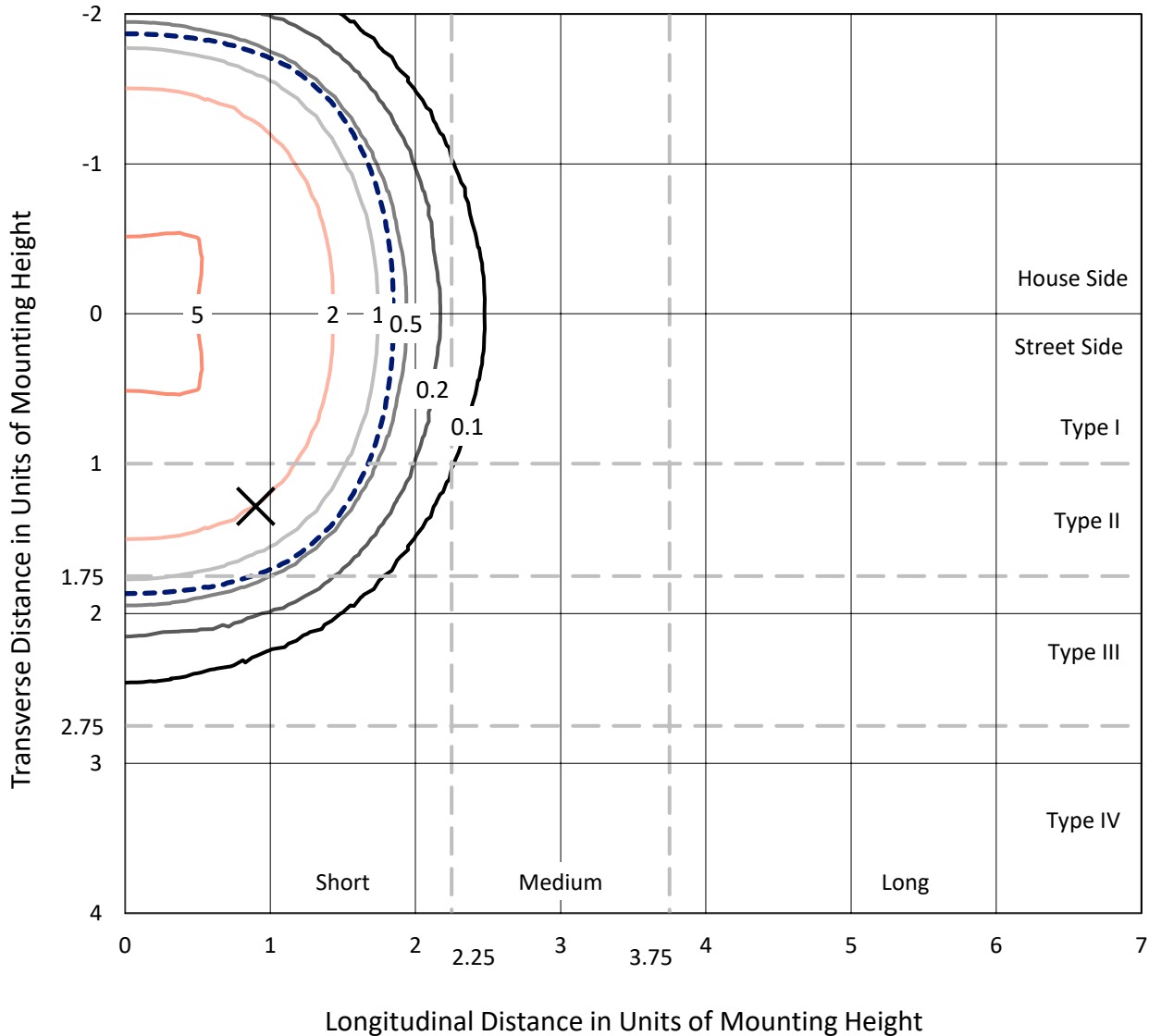


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Iso-Footcandle Lines of Horizontal Illumination

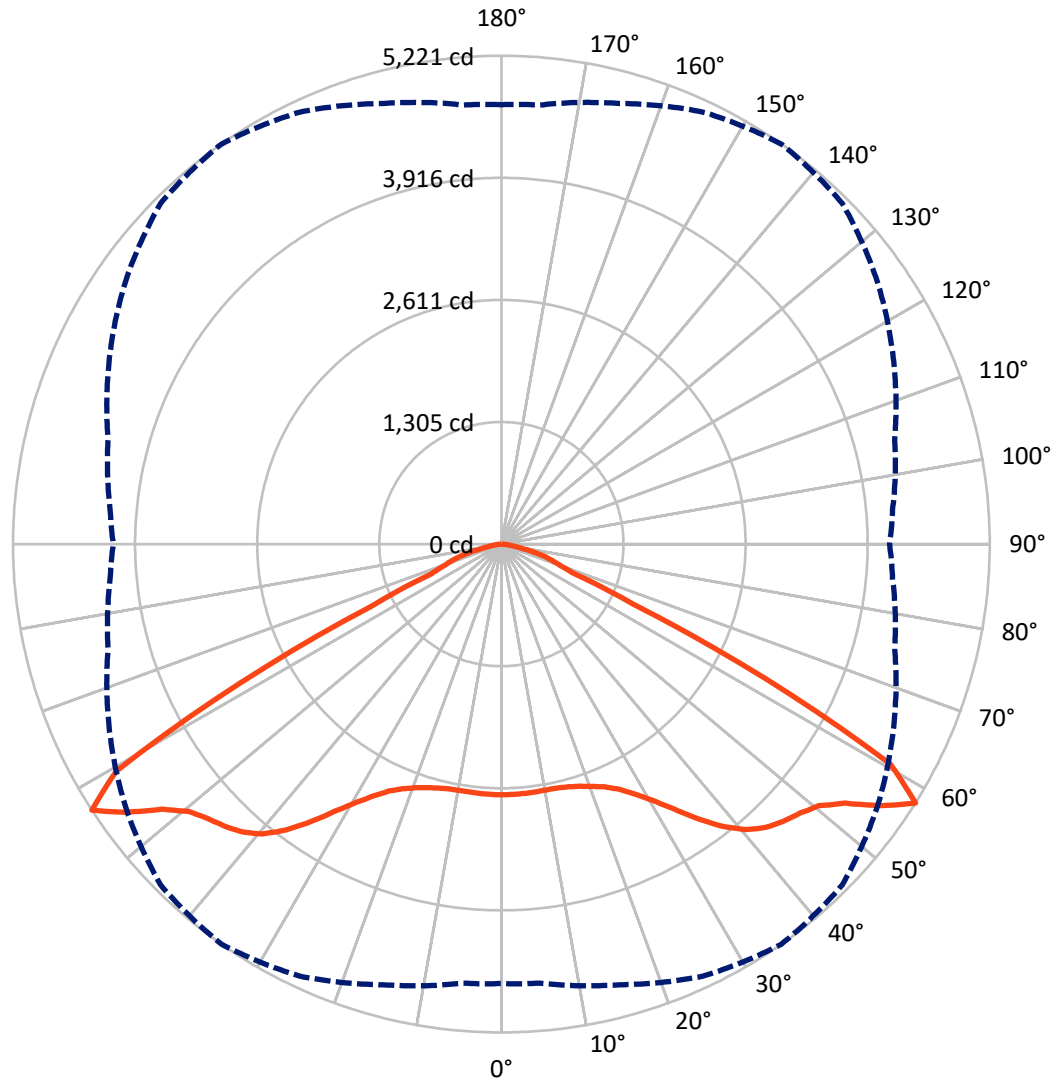
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7004.8	0.0	7004.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7004.8	0.0	7004.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14009.6	0.0	14009.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	1.8
10°-20°	760.8	5.4
20°-30°	1327.5	9.5
30°-40°	2176.8	15.5
40°-50°	3205.9	22.9
50°-60°	4091.3	29.2
60°-70°	1724.3	12.3
70°-80°	411.9	2.9
80°-90°	56.1	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°	14009.6	100.0
0°-180°	14009.6	100.0

Coefficient of Utilization



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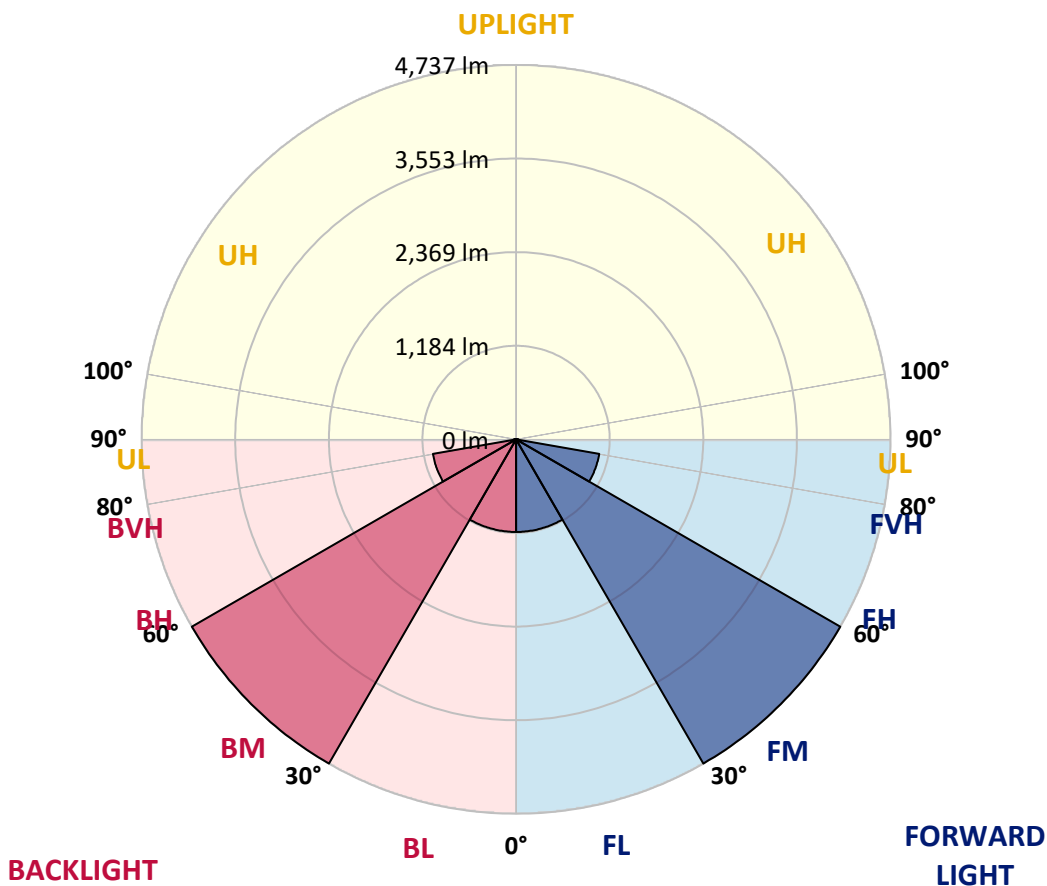
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1171.7	8.4			
FM (30°-60°)	4737.0	33.8			
FH (60°-80°)	1068.1	7.6			G1/1800
FVH (80°-90°)	28.0	0.2			G1/100
BL (0°-30°)	1171.7	8.4	B3/2500		
BM (30°-60°)	4737.0	33.8	B3/5000		
BH (60°-80°)	1068.1	7.6	B3/2500		G1/1800
BVH (80°-90°)	28.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6	2680.6
2.5°	2664.5	2664.5	2670.3	2676.0	2678.3	2688.6	2687.5	2684.0	2681.7	2674.8	2684.0
5°	2670.3	2670.3	2674.8	2678.3	2677.1	2685.2	2681.7	2676.0	2672.5	2665.7	2676.0
7.5°	2669.1	2669.1	2672.5	2676.0	2673.7	2680.6	2674.8	2666.8	2661.1	2654.2	2663.4
10°	2654.2	2656.5	2659.9	2668.0	2671.4	2681.7	2673.7	2661.1	2651.9	2643.9	2653.0
12.5°	2651.9	2654.2	2658.8	2669.1	2674.8	2689.8	2679.4	2658.8	2645.0	2634.7	2643.9
15°	2662.2	2664.5	2671.4	2684.0	2693.2	2709.3	2694.3	2665.7	2646.2	2632.4	2640.4
17.5°	2674.8	2678.3	2688.6	2707.0	2721.9	2739.1	2720.7	2686.3	2658.8	2640.4	2647.3
20°	2688.6	2693.2	2709.3	2736.8	2764.3	2786.1	2763.2	2717.3	2684.0	2659.9	2666.8
22.5°	2712.7	2718.4	2739.1	2778.1	2819.4	2851.5	2822.8	2760.9	2717.3	2686.3	2692.0
25°	2762.0	2768.9	2795.3	2842.3	2900.8	2939.8	2899.7	2829.7	2768.9	2731.0	2736.8
27.5°	2849.2	2852.6	2887.0	2949.0	3021.2	3066.0	3017.8	2935.2	2867.5	2824.0	2828.5
30°	2963.9	2974.2	3008.6	3090.1	3176.1	3235.7	3172.6	3075.2	2997.2	2944.4	2949.0
32.5°	3103.8	3110.7	3162.3	3247.2	3371.1	3439.9	3353.9	3238.0	3144.0	3079.7	3084.3
35°	3287.3	3293.1	3342.4	3450.2	3600.5	3664.7	3566.1	3433.0	3324.1	3263.3	3280.5
37.5°	3506.4	3516.8	3552.3	3659.0	3826.4	3889.5	3776.0	3652.1	3538.5	3482.3	3495.0
40°	3741.6	3740.4	3769.1	3863.2	4015.7	4054.7	3952.6	3854.0	3756.5	3719.8	3740.4
42.5°	3943.4	3937.7	3958.4	4036.3	4141.9	4145.3	4077.6	4022.6	3953.8	3928.5	3948.0
45°	4084.5	4086.8	4117.8	4171.7	4225.6	4196.9	4176.3	4167.1	4113.2	4078.8	4082.2
47.5°	4195.8	4205.0	4254.3	4291.0	4297.9	4249.7	4278.4	4292.1	4247.4	4194.6	4179.7
50°	4294.4	4309.3	4373.6	4412.6	4397.7	4336.9	4393.1	4413.7	4315.1	4214.1	4184.3
52.5°	4473.4	4490.6	4568.6	4619.0	4601.8	4541.0	4593.8	4520.4	4354.1	4230.2	4192.3
55°	4759.0	4767.0	4862.2	4944.8	4936.8	4862.2	4819.8	4656.9	4455.0	4326.5	4291.0
57.5°	4698.2	4711.9	4877.1	5097.3	5221.2	5153.5	4904.6	4627.1	4352.9	4198.1	4149.9
60°	3696.8	3730.1	3935.4	4323.1	4777.3	4776.2	4313.9	3882.6	3552.3	3347.0	3326.3
62.5°	2158.7	2181.6	2368.6	2760.9	3168.1	3193.3	2868.7	2572.8	2283.7	2144.9	2078.4
65°	1022.0	1020.8	1095.4	1272.0	1547.3	1569.1	1471.6	1309.9	1139.0	1092.0	1079.3
67.5°	754.7	754.7	749.0	761.6	814.4	825.9	814.4	788.0	771.9	782.3	775.4
70°	654.9	656.1	649.2	645.8	645.8	642.3	646.9	657.2	664.1	677.9	671.0
72.5°	531.1	532.2	532.2	533.4	534.5	529.9	536.8	542.5	543.7	548.3	543.7
75°	377.4	379.7	386.5	392.3	396.9	396.9	399.2	400.3	395.7	401.5	392.3
77.5°	207.6	209.9	222.5	232.8	243.2	244.3	247.8	250.0	247.8	252.3	245.5
80°	114.7	117.0	122.7	127.3	135.3	142.2	146.8	149.1	149.1	152.6	149.1
82.5°	65.4	67.7	71.1	73.4	80.3	86.0	90.6	94.1	94.1	95.2	92.9
85°	31.0	31.0	33.3	35.6	39.0	41.3	47.0	50.5	50.5	52.8	50.5
87.5°	4.6	5.7	6.9	6.9	9.2	11.5	13.8	14.9	17.2	18.4	18.4
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)