

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: P633779

Luminaire Tested: GWS-SA2F-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633779
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14204.3 lumens
Efficiency: N/A
Efficacy: 114.1 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

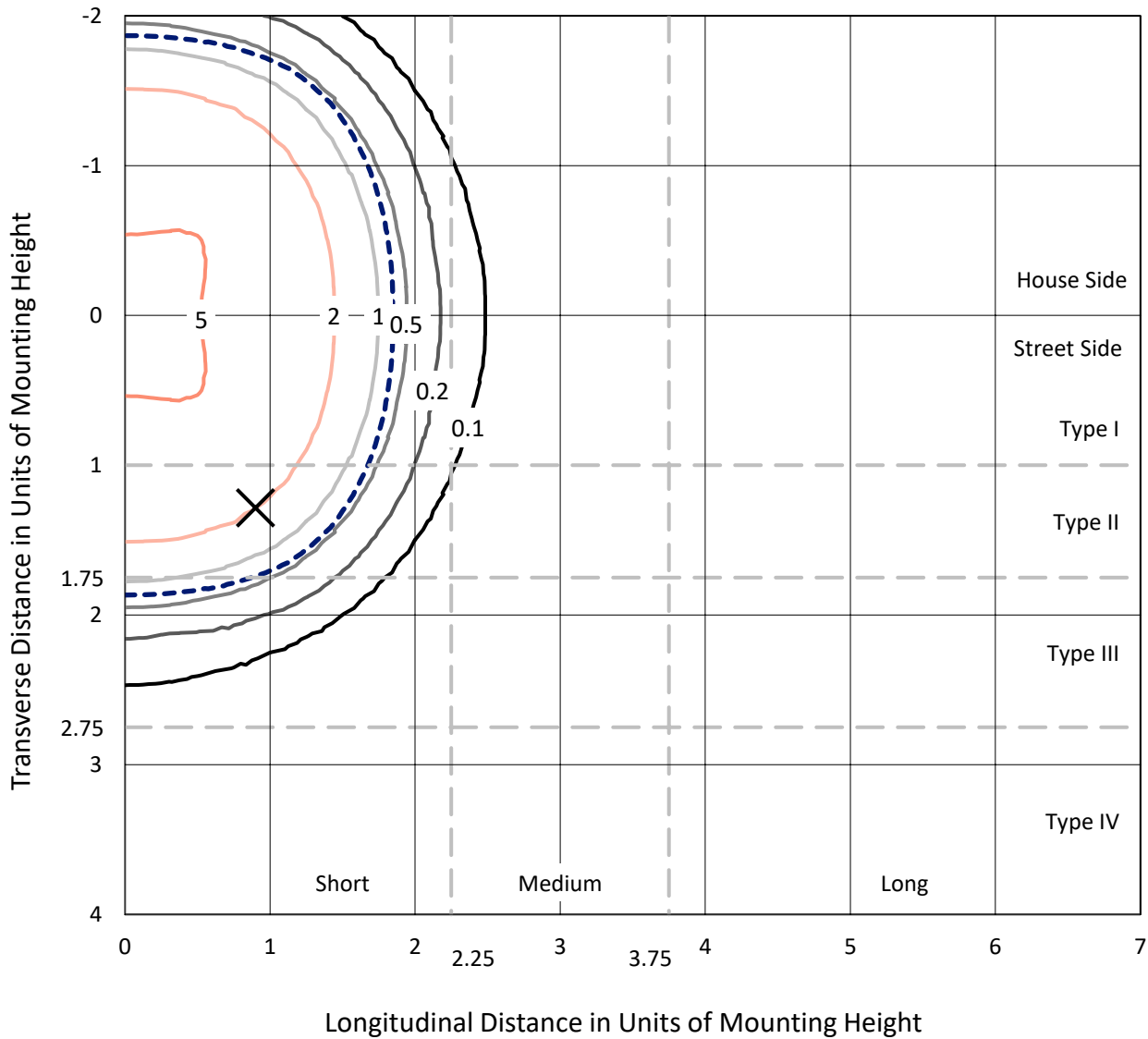


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Iso-Footcandle Lines of Horizontal Illumination

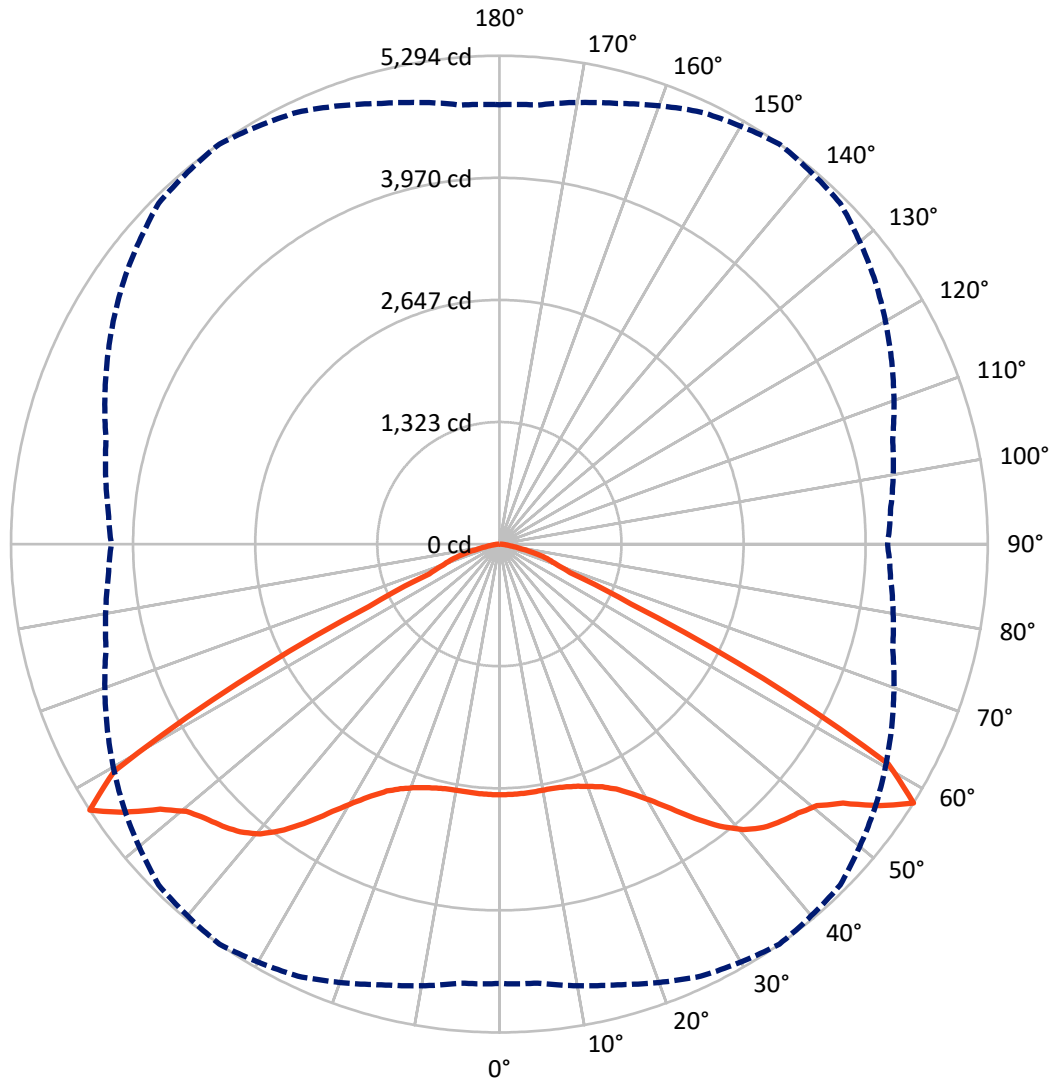
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 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	7102.1	0.0	7102.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7102.1	0.0	7102.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14204.3	0.0	14204.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	1.8
10°-20°	771.4	5.4
20°-30°	1345.9	9.5
30°-40°	2207.1	15.5
40°-50°	3250.5	22.9
50°-60°	4148.2	29.2
60°-70°	1748.2	12.3
70°-80°	417.6	2.9
80°-90°	56.8	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°	14204.3	100.0
0°-180°	14204.3	100.0

Coefficient of Utilization



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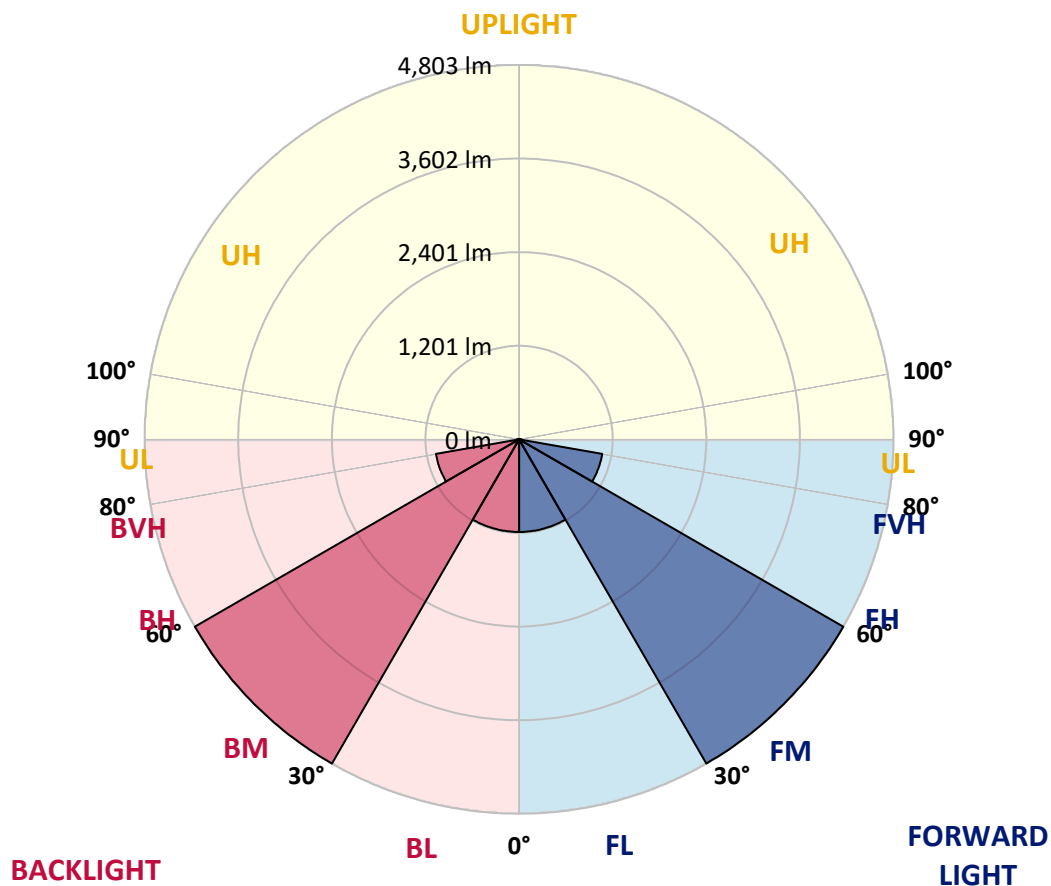
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.9	8.4			
FM (30°-60°)	4802.9	33.8			
FH (60°-80°)	1082.9	7.6			G1/1800
FVH (80°-90°)	28.4	0.2			G1/100
BL (0°-30°)	1187.9	8.4	B3/2500		
BM (30°-60°)	4802.9	33.8	B3/5000		
BH (60°-80°)	1082.9	7.6	B3/2500		G1/1800
BVH (80°-90°)	28.4	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°	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8	2717.8
2.5°	2701.5	2701.5	2707.4	2713.2	2715.5	2726.0	2724.8	2721.3	2719.0	2712.0	2721.3
5°	2707.4	2707.4	2712.0	2715.5	2714.3	2722.5	2719.0	2713.2	2709.7	2702.7	2713.2
7.5°	2706.2	2706.2	2709.7	2713.2	2710.9	2717.8	2712.0	2703.9	2698.1	2691.1	2700.4
10°	2691.1	2693.4	2696.9	2705.0	2708.5	2719.0	2710.9	2698.1	2688.8	2680.6	2689.9
12.5°	2688.8	2691.1	2695.7	2706.2	2712.0	2727.1	2716.7	2695.7	2681.8	2671.3	2680.6
15°	2699.2	2701.5	2708.5	2721.3	2730.6	2746.9	2731.8	2702.7	2682.9	2669.0	2677.1
17.5°	2712.0	2715.5	2726.0	2744.6	2759.7	2777.1	2758.5	2723.6	2695.7	2677.1	2684.1
20°	2726.0	2730.6	2746.9	2774.8	2802.7	2824.8	2801.6	2755.0	2721.3	2696.9	2703.9
22.5°	2750.4	2756.2	2777.1	2816.7	2858.5	2891.1	2862.0	2799.2	2755.0	2723.6	2729.5
25°	2800.4	2807.4	2834.1	2881.8	2941.1	2980.7	2940.0	2869.0	2807.4	2769.0	2774.8
27.5°	2888.8	2892.3	2927.2	2990.0	3063.2	3108.6	3059.7	2976.0	2907.4	2863.2	2867.9
30°	3005.1	3015.5	3050.4	3133.0	3220.2	3280.7	3216.7	3117.9	3038.8	2985.3	2990.0
32.5°	3147.0	3153.9	3206.3	3292.3	3417.9	3487.7	3400.5	3283.0	3187.7	3122.5	3127.2
35°	3333.0	3338.8	3388.9	3498.2	3650.5	3715.6	3615.6	3480.7	3370.2	3308.6	3326.1
37.5°	3555.2	3565.6	3601.7	3709.8	3879.6	3943.6	3828.5	3702.9	3587.7	3530.7	3543.5
40°	3793.6	3792.4	3821.5	3916.8	4071.5	4111.1	4007.5	3907.5	3808.7	3771.5	3792.4
42.5°	3998.2	3992.4	4013.4	4092.4	4199.4	4202.9	4134.3	4078.5	4008.7	3983.1	4002.9
45°	4141.3	4143.6	4175.0	4229.7	4284.3	4255.3	4234.3	4225.0	4170.4	4135.5	4139.0
47.5°	4254.1	4263.4	4313.4	4350.6	4357.6	4308.8	4337.8	4351.8	4306.4	4252.9	4237.8
50°	4354.1	4369.2	4434.4	4473.9	4458.8	4397.1	4454.1	4475.1	4375.0	4272.7	4242.5
52.5°	4535.5	4553.0	4632.1	4683.2	4665.8	4604.1	4657.6	4583.2	4414.6	4289.0	4250.6
55°	4825.1	4833.2	4929.8	5013.5	5005.4	4929.8	4886.7	4721.6	4516.9	4386.7	4350.6
57.5°	4763.5	4777.4	4944.9	5168.2	5293.8	5225.2	4972.8	4691.4	4413.4	4256.4	4207.6
60°	3748.2	3781.9	3990.1	4383.2	4843.7	4842.6	4373.9	3936.6	3601.7	3393.5	3372.6
62.5°	2188.7	2211.9	2401.5	2799.2	3212.1	3237.7	2908.6	2608.5	2315.4	2174.7	2107.3
65°	1036.2	1035.0	1110.6	1289.7	1568.8	1590.9	1492.1	1328.1	1154.8	1107.1	1094.3
67.5°	765.2	765.2	759.4	772.2	825.7	837.3	825.7	799.0	782.7	793.1	786.2
70°	664.0	665.2	658.2	654.7	654.7	651.3	655.9	666.4	673.4	687.3	680.3
72.5°	538.4	539.6	539.6	540.8	541.9	537.3	544.3	550.1	551.2	555.9	551.2
75°	382.6	384.9	391.9	397.7	402.4	402.4	404.7	405.9	401.2	407.0	397.7
77.5°	210.5	212.8	225.6	236.1	246.5	247.7	251.2	253.5	251.2	255.9	248.9
80°	116.3	118.6	124.4	129.1	137.2	144.2	148.9	151.2	151.2	154.7	151.2
82.5°	66.3	68.6	72.1	74.4	81.4	87.2	91.9	95.4	95.4	96.5	94.2
85°	31.4	31.4	33.7	36.1	39.5	41.9	47.7	51.2	51.2	53.5	51.2
87.5°	4.7	5.8	7.0	7.0	9.3	11.6	14.0	15.1	17.4	18.6	18.6
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)