

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: P633889

Luminaire Tested: GWS-SA2F-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633889
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14330.7 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

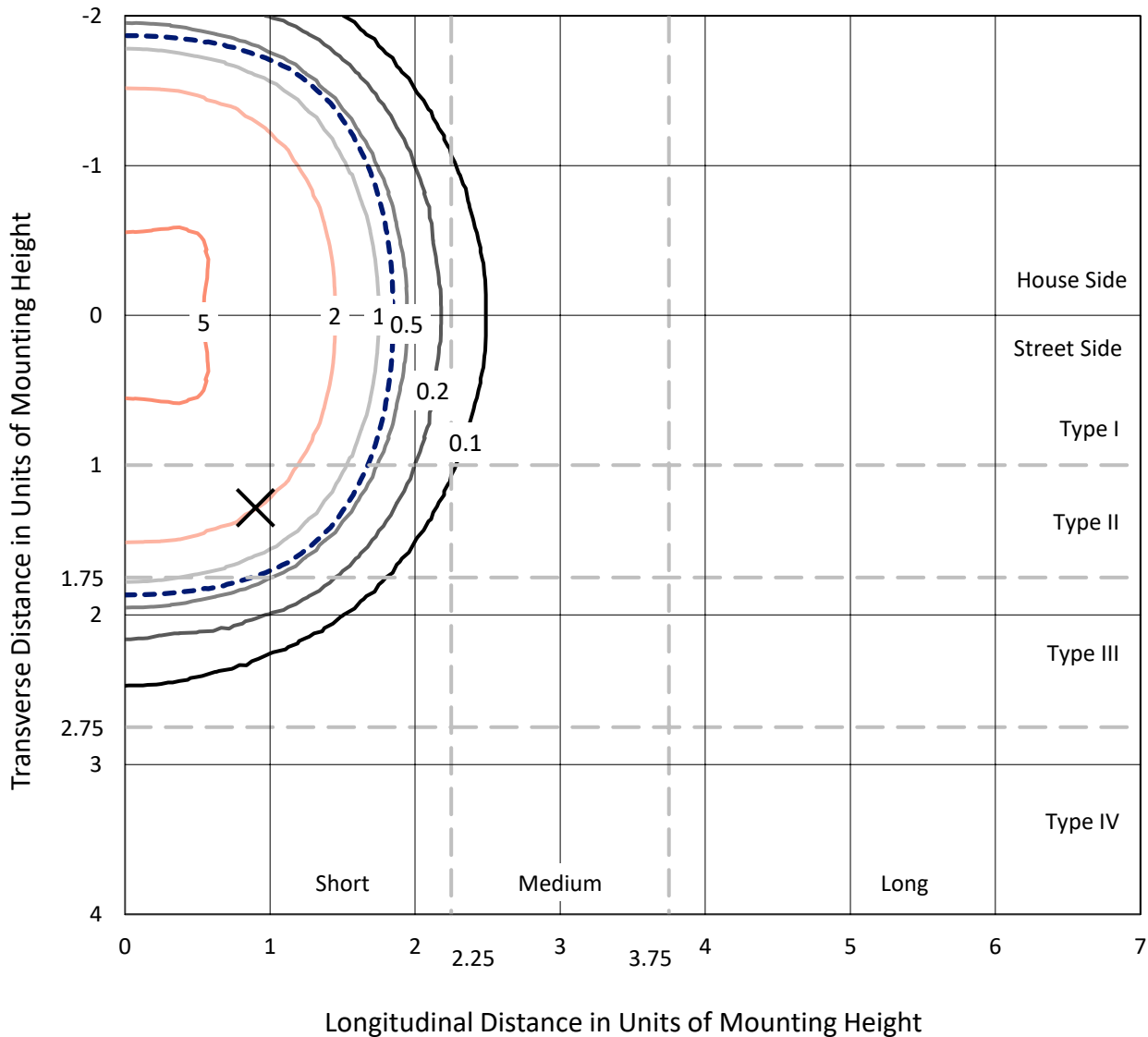
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

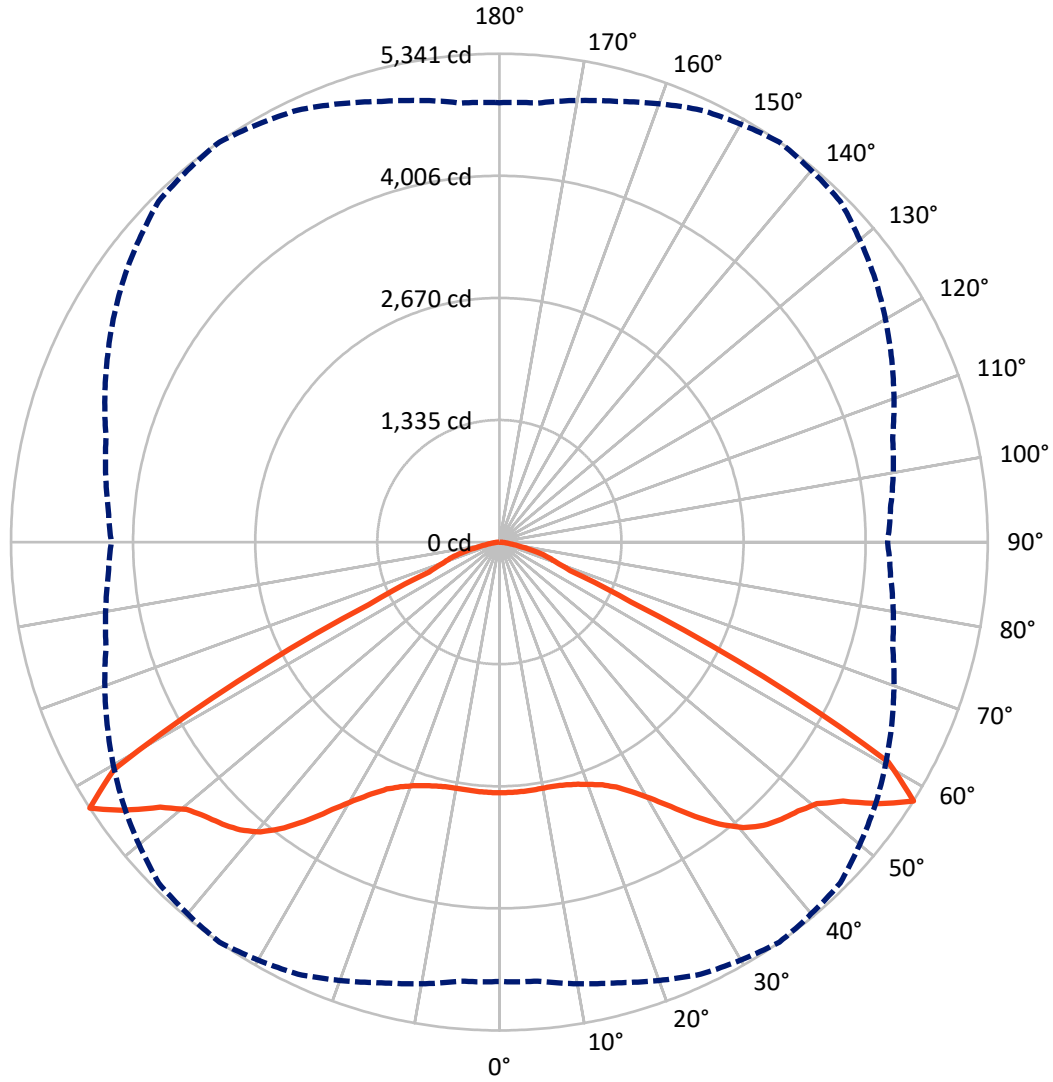
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 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	7165.3	0.0	7165.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7165.3	0.0	7165.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14330.7	0.0	14330.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	1.8
10°-20°	778.3	5.4
20°-30°	1357.9	9.5
30°-40°	2226.7	15.5
40°-50°	3279.4	22.9
50°-60°	4185.1	29.2
60°-70°	1763.8	12.3
70°-80°	421.3	2.9
80°-90°	57.3	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°	14330.7	100.0
0°-180°	14330.7	100.0

Coefficient of Utilization



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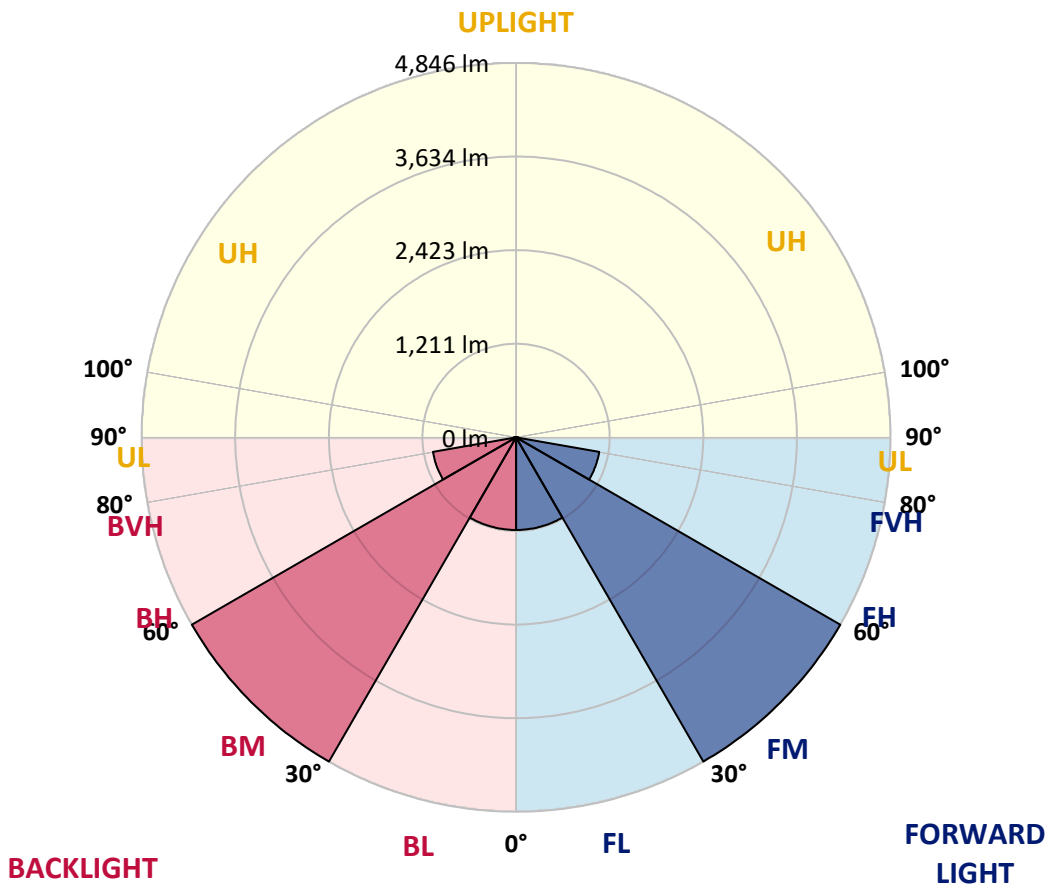
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.5	8.4			
FM (30°-60°)	4845.6	33.8			
FH (60°-80°)	1092.6	7.6			G1/1800
FVH (80°-90°)	28.7	0.2			G1/100
BL (0°-30°)	1198.5	8.4	B3/2500		
BM (30°-60°)	4845.6	33.8	B3/5000		
BH (60°-80°)	1092.6	7.6	B3/2500		G1/1800
BVH (80°-90°)	28.7	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°	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0	2742.0
2.5°	2725.6	2725.6	2731.5	2737.3	2739.7	2750.2	2749.1	2745.5	2743.2	2736.1	2745.5
5°	2731.5	2731.5	2736.1	2739.7	2738.5	2746.7	2743.2	2737.3	2733.8	2726.8	2737.3
7.5°	2730.3	2730.3	2733.8	2737.3	2735.0	2742.0	2736.1	2727.9	2722.1	2715.0	2724.4
10°	2715.0	2717.4	2720.9	2729.1	2732.6	2743.2	2735.0	2722.1	2712.7	2704.5	2713.9
12.5°	2712.7	2715.0	2719.7	2730.3	2736.1	2751.4	2740.8	2719.7	2705.6	2695.1	2704.5
15°	2723.2	2725.6	2732.6	2745.5	2754.9	2771.3	2756.1	2726.8	2706.8	2692.7	2700.9
17.5°	2736.1	2739.7	2750.2	2769.0	2784.3	2801.9	2783.1	2747.9	2719.7	2700.9	2708.0
20°	2750.2	2754.9	2771.3	2799.5	2827.7	2850.0	2826.5	2779.6	2745.5	2720.9	2727.9
22.5°	2774.9	2780.7	2801.9	2841.7	2884.0	2916.8	2887.5	2824.1	2779.6	2747.9	2753.7
25°	2825.3	2832.4	2859.3	2907.5	2967.3	3007.2	2966.1	2894.5	2832.4	2793.6	2799.5
27.5°	2914.5	2918.0	2953.2	3016.6	3090.5	3136.2	3087.0	3002.5	2933.3	2888.7	2893.4
30°	3031.8	3042.4	3077.6	3160.9	3248.9	3309.9	3245.4	3145.6	3065.8	3011.9	3016.6
32.5°	3175.0	3182.0	3234.8	3321.6	3448.3	3518.7	3430.7	3312.2	3216.0	3150.3	3155.0
35°	3362.7	3368.6	3419.0	3529.3	3683.0	3748.7	3647.8	3511.7	3400.2	3338.1	3355.7
37.5°	3586.8	3597.4	3633.7	3742.8	3914.1	3978.7	3862.5	3735.8	3619.6	3562.2	3575.1
40°	3827.3	3826.1	3855.5	3951.7	4107.7	4147.6	4043.2	3942.3	3842.6	3805.0	3826.1
42.5°	4033.8	4028.0	4049.1	4128.9	4236.8	4240.3	4171.1	4114.8	4044.4	4018.6	4038.5
45°	4178.1	4180.5	4212.2	4267.3	4322.5	4293.1	4272.0	4262.6	4207.5	4172.3	4175.8
47.5°	4292.0	4301.3	4351.8	4389.3	4396.4	4347.1	4376.4	4390.5	4344.8	4290.8	4275.5
50°	4392.9	4408.1	4473.8	4513.7	4498.5	4436.3	4493.8	4514.9	4414.0	4310.7	4280.2
52.5°	4575.9	4593.5	4673.3	4724.9	4707.3	4645.1	4699.1	4624.0	4453.9	4327.2	4288.4
55°	4868.0	4876.3	4973.6	5058.1	5049.9	4973.6	4930.2	4763.6	4557.1	4425.7	4389.3
57.5°	4805.9	4819.9	4988.9	5214.2	5340.9	5271.7	5017.1	4733.1	4452.7	4294.3	4245.0
60°	3781.6	3815.6	4025.6	4422.2	4886.8	4885.6	4412.8	3971.6	3633.7	3423.7	3402.6
62.5°	2208.2	2231.6	2422.9	2824.1	3240.7	3266.5	2934.4	2631.7	2336.1	2194.1	2126.0
65°	1045.4	1044.2	1120.5	1301.2	1582.8	1605.1	1505.4	1339.9	1165.1	1117.0	1104.1
67.5°	772.0	772.0	766.2	779.1	833.0	844.8	833.0	806.1	789.6	800.2	793.2
70°	670.0	671.1	664.1	660.6	660.6	657.1	661.7	672.3	679.3	693.4	686.4
72.5°	543.2	544.4	544.4	545.6	546.8	542.1	549.1	555.0	556.1	560.8	556.1
75°	386.0	388.4	395.4	401.3	406.0	406.0	408.3	409.5	404.8	410.7	401.3
77.5°	212.4	214.7	227.6	238.2	248.7	249.9	253.4	255.8	253.4	258.1	251.1
80°	117.3	119.7	125.5	130.2	138.5	145.5	150.2	152.5	152.5	156.0	152.5
82.5°	66.9	69.2	72.7	75.1	82.1	88.0	92.7	96.2	96.2	97.4	95.0
85°	31.7	31.7	34.0	36.4	39.9	42.2	48.1	51.6	51.6	54.0	51.6
87.5°	4.7	5.9	7.0	7.0	9.4	11.7	14.1	15.3	17.6	18.8	18.8
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)