

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: P633782

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-740-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 14706.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

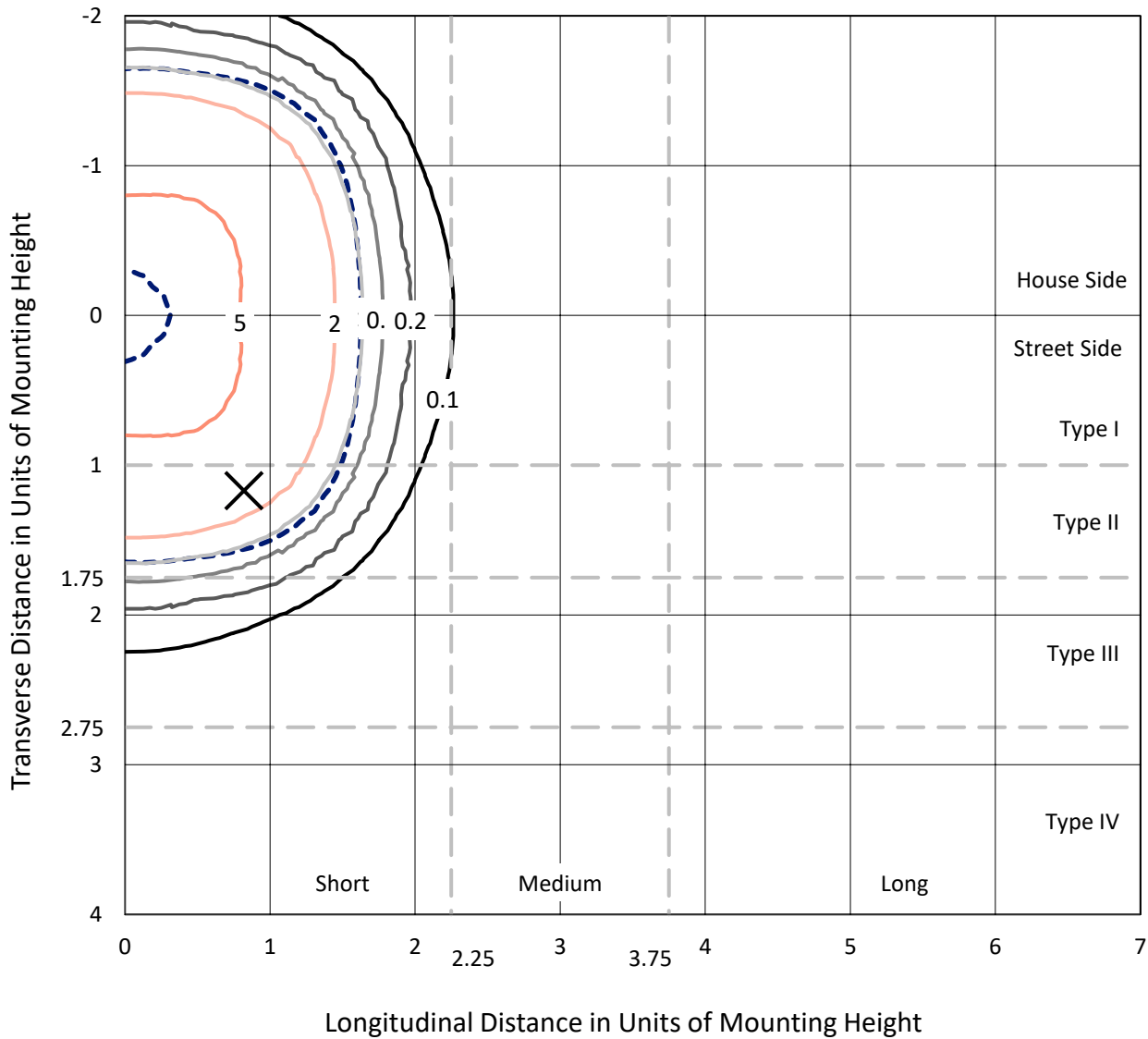
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

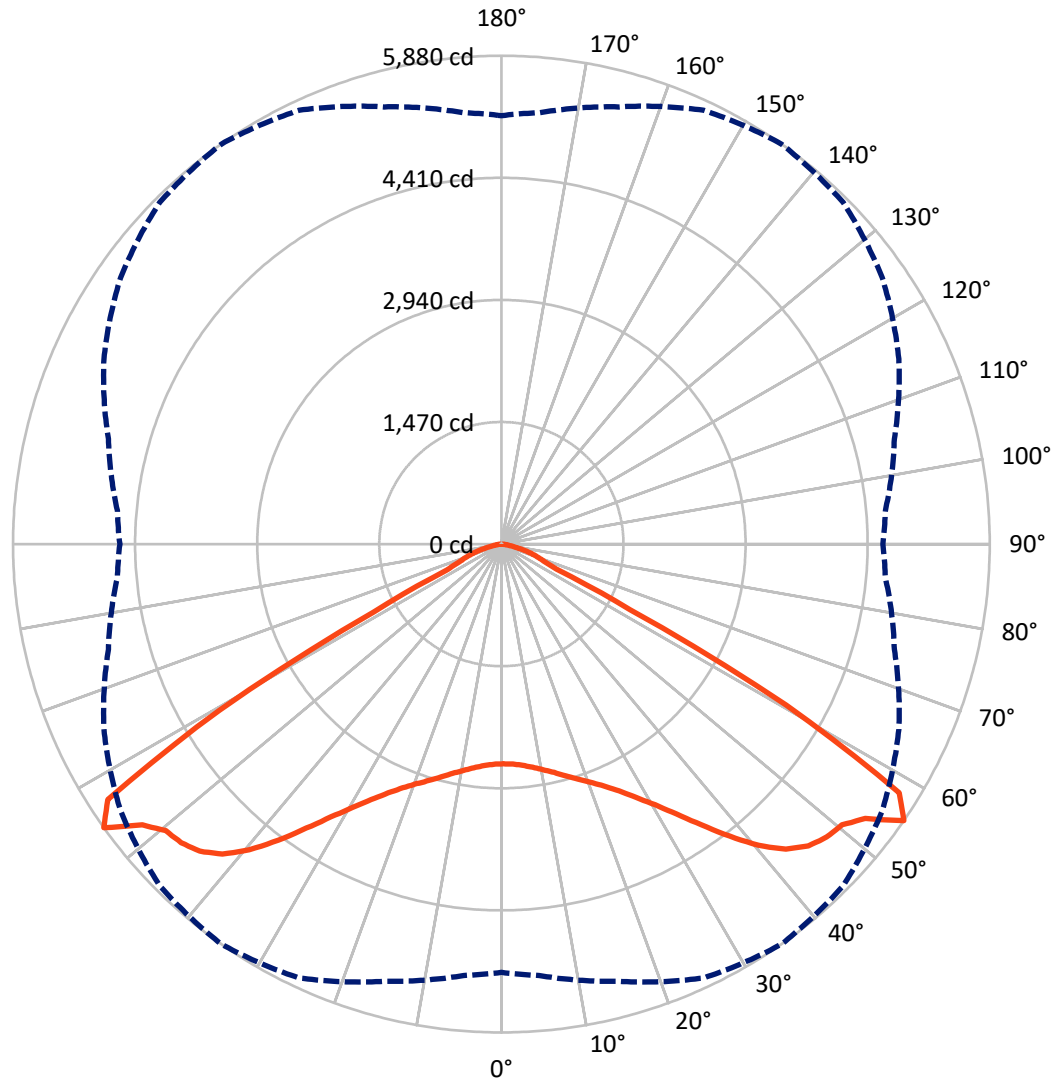
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7353.4	0.0	7353.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7353.4	0.0	7353.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14706.7	0.0	14706.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.1	1.8
10°-20°	821.6	5.6
20°-30°	1520.6	10.3
30°-40°	2543.7	17.3
40°-50°	3876.2	26.4
50°-60°	4342.2	29.5
60°-70°	1027.4	7.0
70°-80°	277.0	1.9
80°-90°	39.9	0.3
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°	14706.7	100.0
0°-180°	14706.7	100.0

Coefficient of Utilization



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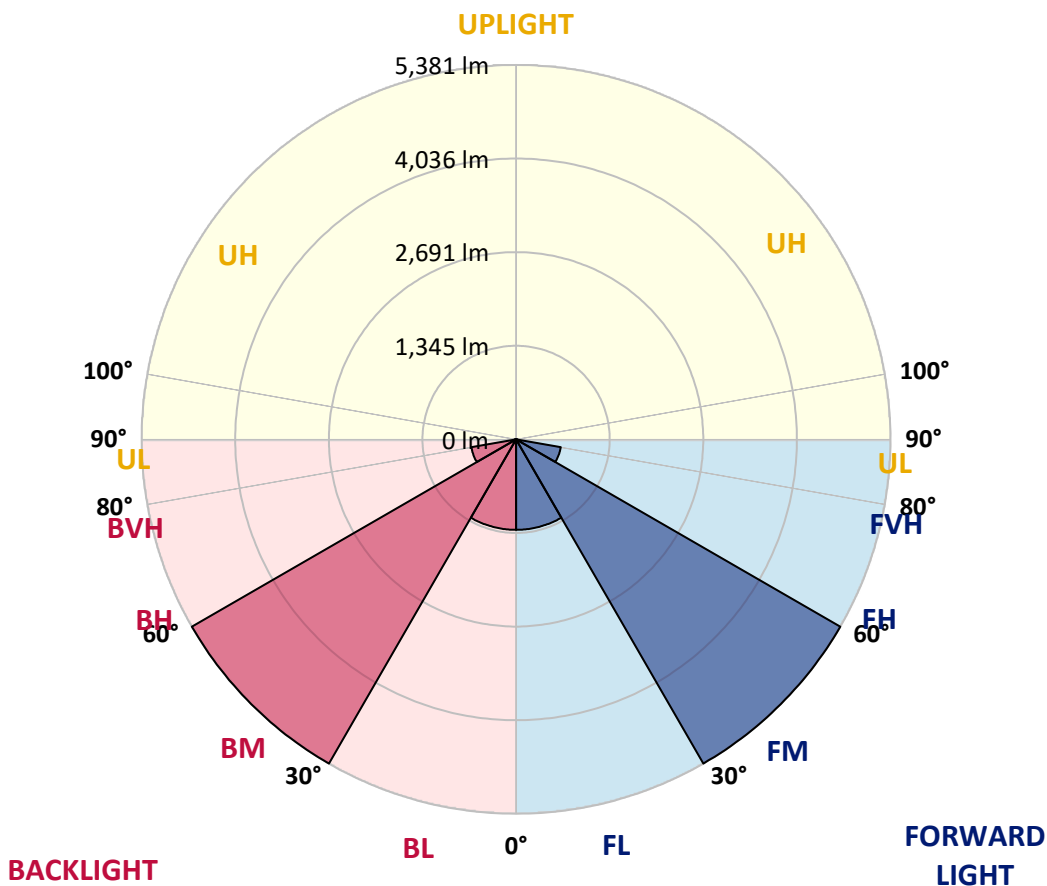
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.2	8.8			
FM (30°-60°)	5381.1	36.6			
FH (60°-80°)	652.2	4.4			G0/660
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1300.2	8.8	B3/2500		
BM (30°-60°)	5381.1	36.6	B4/8500		
BH (60°-80°)	652.2	4.4	B2/1000		G0/660
BVH (80°-90°)	19.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8	2645.8
2.5°	2640.0	2640.0	2644.6	2650.4	2651.6	2663.2	2660.9	2656.2	2653.9	2649.3	2659.7
5°	2669.0	2670.2	2673.7	2677.2	2674.8	2684.2	2680.7	2674.8	2671.4	2665.5	2676.0
7.5°	2707.4	2707.4	2710.9	2715.6	2713.2	2727.2	2720.2	2712.1	2706.2	2699.3	2708.6
10°	2742.3	2744.6	2748.1	2757.4	2762.1	2777.2	2772.5	2760.9	2751.6	2743.5	2753.9
12.5°	2794.6	2797.0	2800.5	2813.2	2821.4	2836.5	2829.5	2813.2	2799.3	2787.7	2799.3
15°	2862.1	2859.8	2869.1	2885.3	2895.8	2909.8	2901.6	2873.7	2855.1	2840.0	2851.6
17.5°	2930.7	2929.5	2938.8	2959.8	2974.9	2993.5	2979.5	2947.0	2927.2	2908.6	2920.2
20°	3005.1	3008.6	3017.9	3037.7	3059.8	3084.2	3072.6	3037.7	3015.6	2994.7	3004.0
22.5°	3097.0	3098.2	3108.6	3134.2	3163.3	3186.6	3179.6	3136.6	3108.6	3086.5	3098.2
25°	3207.5	3206.3	3220.3	3250.5	3291.2	3314.5	3299.4	3251.7	3221.4	3195.9	3205.2
27.5°	3334.3	3333.1	3354.0	3393.6	3451.7	3484.3	3452.9	3393.6	3351.7	3315.7	3323.8
30°	3493.6	3490.1	3513.4	3566.9	3642.4	3697.1	3650.6	3568.0	3513.4	3475.0	3483.1
32.5°	3670.4	3675.0	3704.1	3776.2	3871.6	3942.5	3872.7	3780.8	3707.6	3651.8	3661.1
35°	3864.6	3864.6	3923.9	4013.4	4149.5	4243.7	4135.5	4003.0	3905.3	3828.5	3830.8
37.5°	4080.9	4083.2	4161.1	4284.4	4462.3	4572.8	4426.3	4262.3	4143.7	4061.1	4056.5
40°	4344.9	4351.9	4432.1	4569.3	4769.4	4870.6	4713.5	4553.1	4432.1	4334.4	4325.1
42.5°	4642.6	4644.9	4729.8	4853.1	5021.7	5082.2	4958.9	4827.5	4728.7	4640.3	4631.0
45°	4926.4	4920.6	4993.8	5085.7	5183.4	5189.2	5120.6	5067.1	4981.0	4905.4	4891.5
47.5°	5147.3	5142.7	5209.0	5259.0	5270.6	5213.6	5235.7	5243.9	5143.9	5041.5	5014.8
50°	5282.2	5291.5	5354.4	5382.3	5313.6	5220.6	5304.3	5283.4	5140.4	5006.6	4963.6
52.5°	5363.7	5377.6	5486.9	5557.9	5486.9	5398.5	5410.2	5286.9	5081.1	4904.3	4848.5
55°	5157.8	5213.6	5449.7	5763.7	5880.0	5818.4	5597.4	5279.9	4898.5	4641.4	4593.8
57.5°	3822.7	3911.1	4261.2	4941.5	5648.6	5873.0	5227.6	4426.3	3848.3	3518.0	3490.1
60°	1951.5	2050.3	2330.6	3029.6	3939.0	4255.3	3641.3	2834.2	2252.7	1985.2	1955.0
62.5°	796.6	812.9	904.8	1174.6	1741.0	2008.5	1764.2	1238.6	930.4	857.1	858.3
65°	626.8	630.3	625.7	642.0	729.2	809.4	747.8	657.1	640.8	648.9	643.1
67.5°	546.6	547.8	544.3	544.3	547.8	544.3	551.3	554.7	557.1	566.4	560.6
70°	457.1	458.2	458.2	460.5	459.4	453.6	464.0	468.7	469.8	475.7	472.2
72.5°	353.5	357.0	359.4	360.5	359.4	355.9	361.7	369.8	368.7	374.5	368.7
75°	239.6	244.2	246.6	251.2	250.0	250.0	257.0	260.5	257.0	261.7	257.0
77.5°	136.1	139.6	146.5	151.2	155.8	159.3	164.0	166.3	165.1	167.5	165.1
80°	79.1	80.2	86.1	88.4	94.2	100.0	104.7	107.0	108.2	109.3	108.2
82.5°	45.4	46.5	48.8	51.2	55.8	60.5	65.1	68.6	68.6	69.8	68.6
85°	22.1	22.1	23.3	24.4	26.7	30.2	33.7	37.2	38.4	38.4	38.4
87.5°	3.5	3.5	4.7	4.7	5.8	7.0	9.3	11.6	12.8	12.8	12.8
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)