

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: P633892

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633892
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14837.5 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

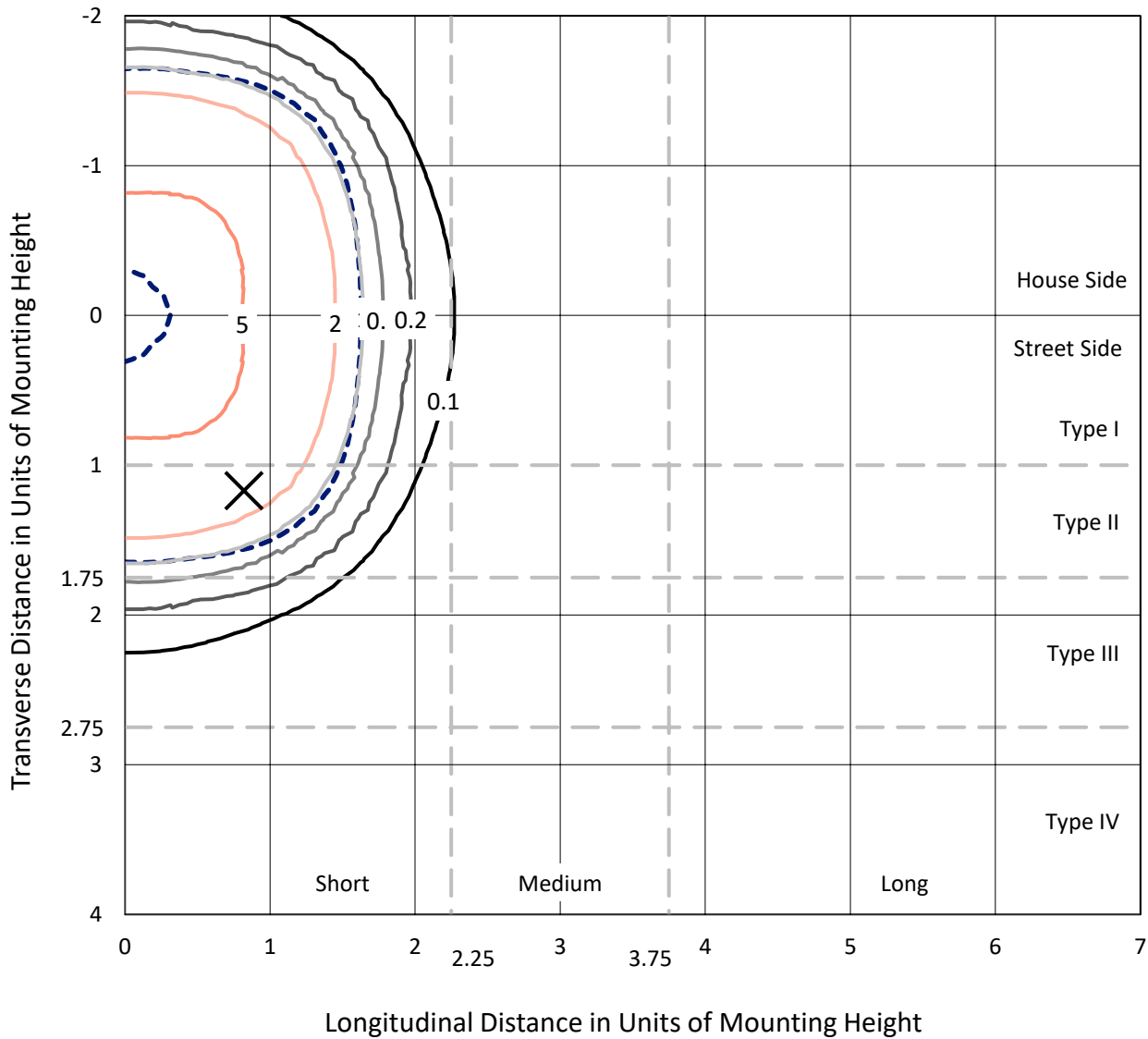
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

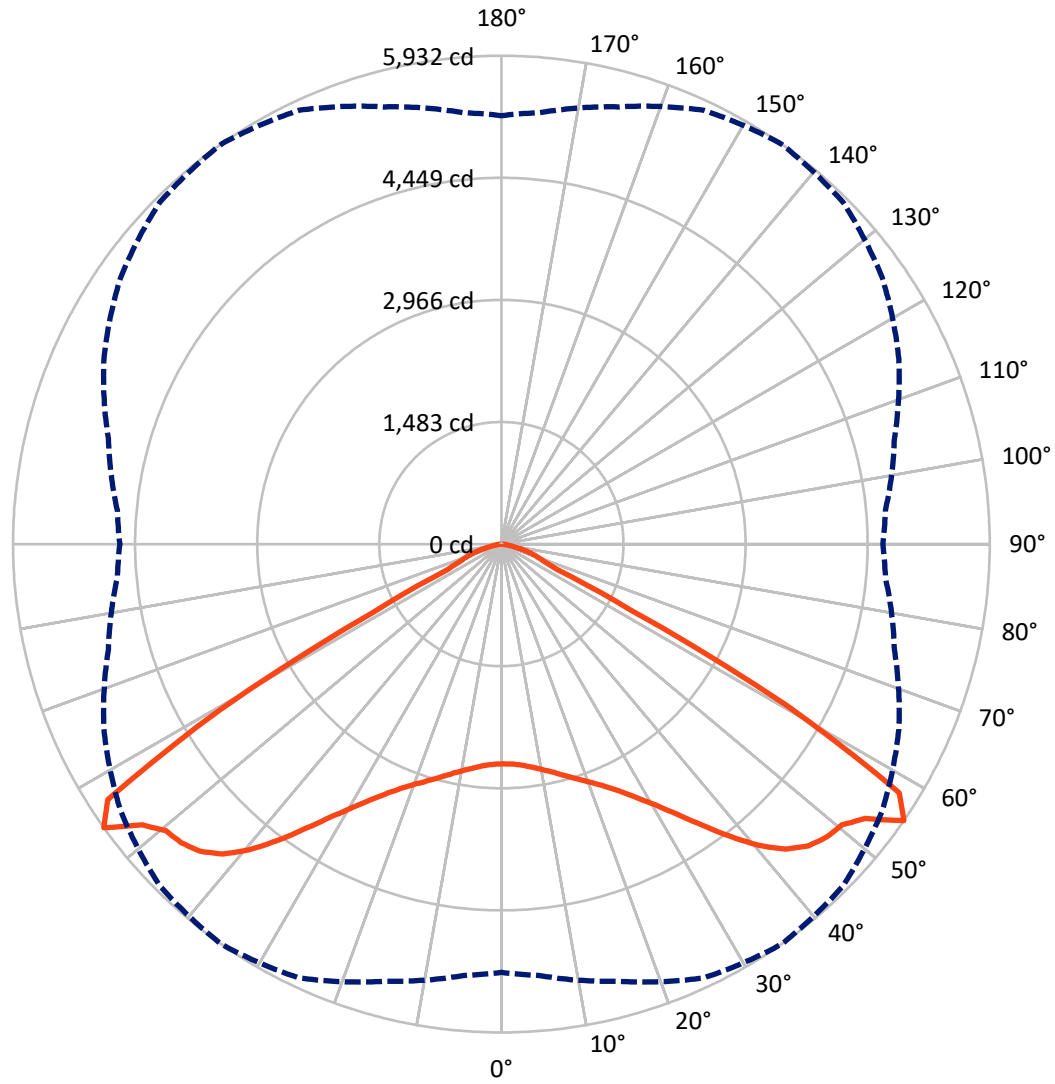
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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	7418.7	0.0	7418.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7418.7	0.0	7418.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14837.5	0.0	14837.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	1.8
10°-20°	828.9	5.6
20°-30°	1534.2	10.3
30°-40°	2566.3	17.3
40°-50°	3910.7	26.4
50°-60°	4380.8	29.5
60°-70°	1036.5	7.0
70°-80°	279.4	1.9
80°-90°	40.2	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°	14837.5	100.0
0°-180°	14837.5	100.0

Coefficient of Utilization



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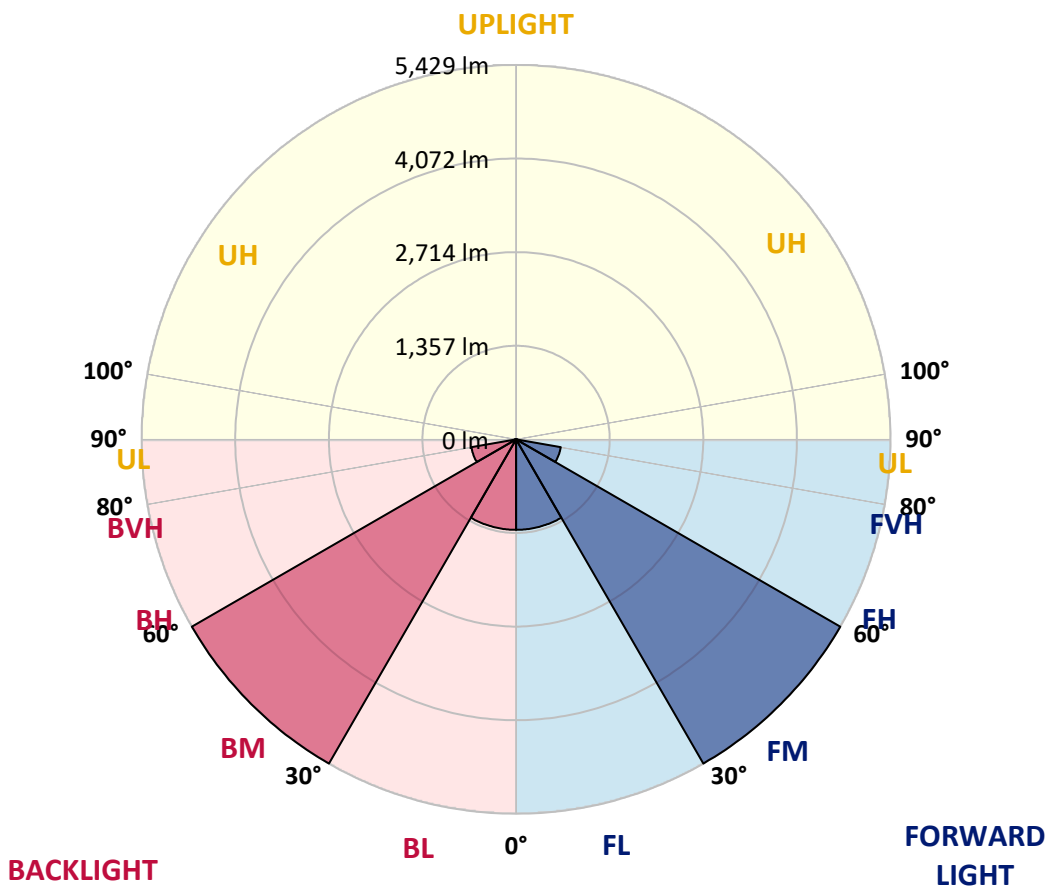
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1311.7	8.8			
FM (30°-60°)	5428.9	36.6			
FH (60°-80°)	658.0	4.4			G0/660
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	1311.7	8.8	B3/2500		
BM (30°-60°)	5428.9	36.6	B4/8500		
BH (60°-80°)	658.0	4.4	B2/1000		G0/660
BVH (80°-90°)	20.1	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°	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3	2669.3
2.5°	2663.4	2663.4	2668.1	2674.0	2675.2	2686.9	2684.6	2679.9	2677.5	2672.8	2683.4
5°	2692.8	2693.9	2697.5	2701.0	2698.6	2708.0	2704.5	2698.6	2695.1	2689.3	2699.8
7.5°	2731.5	2731.5	2735.0	2739.7	2737.4	2751.4	2744.4	2736.2	2730.3	2723.3	2732.7
10°	2766.7	2769.0	2772.6	2781.9	2786.6	2801.9	2797.2	2785.5	2776.1	2767.9	2778.4
12.5°	2819.5	2821.8	2825.4	2838.3	2846.5	2861.7	2854.7	2838.3	2824.2	2812.5	2824.2
15°	2887.5	2885.2	2894.6	2911.0	2921.6	2935.7	2927.4	2899.3	2880.5	2865.3	2877.0
17.5°	2956.8	2955.6	2965.0	2986.1	3001.4	3020.1	3006.0	2973.2	2953.2	2934.5	2946.2
20°	3031.9	3035.4	3044.8	3064.7	3087.0	3111.6	3099.9	3064.7	3042.4	3021.3	3030.7
22.5°	3124.6	3125.7	3136.3	3162.1	3191.4	3214.9	3207.9	3164.4	3136.3	3114.0	3125.7
25°	3236.0	3234.8	3248.9	3279.4	3320.5	3344.0	3328.7	3280.6	3250.1	3224.3	3233.7
27.5°	3363.9	3362.7	3383.9	3423.8	3482.4	3515.3	3483.6	3423.8	3381.5	3345.1	3353.4
30°	3524.7	3521.1	3544.6	3598.6	3674.8	3730.0	3683.1	3599.7	3544.6	3505.9	3514.1
32.5°	3703.0	3707.7	3737.0	3809.8	3906.0	3977.6	3907.2	3814.5	3740.5	3684.2	3693.6
35°	3898.9	3898.9	3958.8	4049.1	4186.4	4281.4	4172.3	4038.6	3940.0	3862.6	3864.9
37.5°	4117.2	4119.5	4198.1	4322.5	4502.0	4613.5	4465.7	4300.2	4180.5	4097.2	4092.5
40°	4383.5	4390.6	4471.5	4610.0	4811.8	4913.9	4755.5	4593.6	4471.5	4373.0	4363.6
42.5°	4683.9	4686.2	4771.9	4896.3	5066.4	5127.4	5003.0	4870.5	4770.7	4681.6	4672.2
45°	4970.2	4964.3	5038.2	5130.9	5229.5	5235.4	5166.1	5112.2	5025.3	4949.1	4935.0
47.5°	5193.1	5188.4	5255.3	5305.8	5317.5	5260.0	5282.3	5290.5	5189.6	5086.3	5059.4
50°	5329.2	5338.6	5402.0	5430.1	5360.9	5267.0	5351.5	5330.4	5186.1	5051.1	5007.7
52.5°	5411.4	5425.4	5535.7	5607.3	5535.7	5446.6	5458.3	5333.9	5126.2	4947.9	4891.6
55°	5203.7	5260.0	5498.2	5815.0	5932.3	5870.1	5647.2	5326.9	4942.0	4682.7	4634.6
57.5°	3856.7	3945.9	4299.0	4985.4	5698.8	5925.3	5274.1	4465.7	3882.5	3549.3	3521.1
60°	1968.8	2068.6	2351.3	3056.5	3974.0	4293.2	3673.7	2859.4	2272.7	2002.9	1972.4
62.5°	803.7	820.2	912.8	1185.1	1756.5	2026.3	1779.9	1249.6	938.7	864.7	865.9
65°	632.4	635.9	631.2	647.7	735.7	816.6	754.4	662.9	646.5	654.7	648.8
67.5°	551.5	552.6	549.1	549.1	552.6	549.1	556.2	559.7	562.0	571.4	565.5
70°	461.1	462.3	462.3	464.6	463.5	457.6	468.2	472.8	474.0	479.9	476.4
72.5°	356.7	360.2	362.6	363.7	362.6	359.0	364.9	373.1	371.9	377.8	371.9
75°	241.7	246.4	248.7	253.4	252.3	252.3	259.3	262.8	259.3	264.0	259.3
77.5°	137.3	140.8	147.8	152.5	157.2	160.7	165.4	167.8	166.6	169.0	166.6
80°	79.8	81.0	86.8	89.2	95.0	100.9	105.6	107.9	109.1	110.3	109.1
82.5°	45.8	46.9	49.3	51.6	56.3	61.0	65.7	69.2	69.2	70.4	69.2
85°	22.3	22.3	23.5	24.6	27.0	30.5	34.0	37.5	38.7	38.7	38.7
87.5°	3.5	3.5	4.7	4.7	5.9	7.0	9.4	11.7	12.9	12.9	12.9
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)