

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: P633287

Luminaire Tested: GWS-SA2E-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633287
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-SA2E-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: 13227.6 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

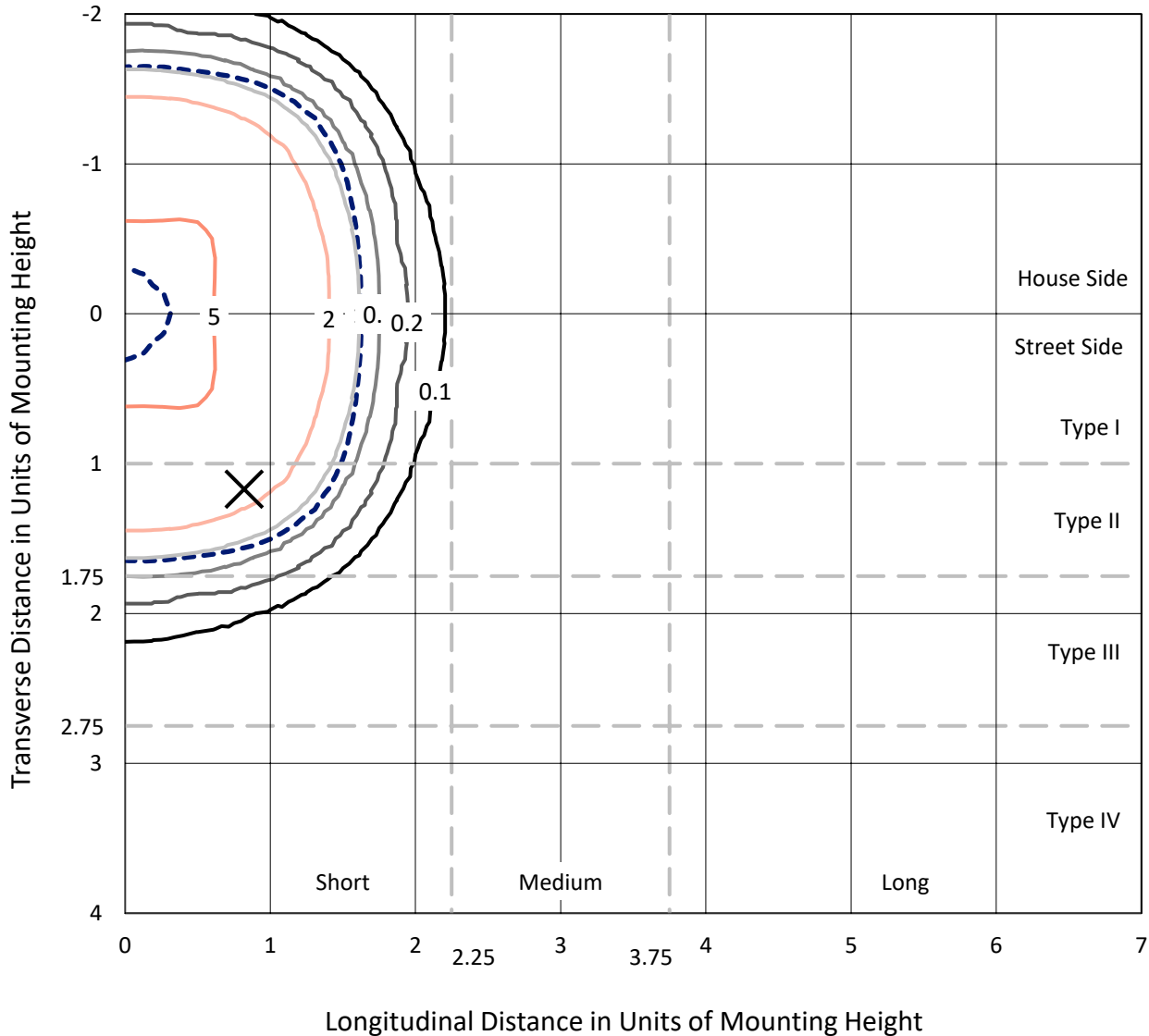
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

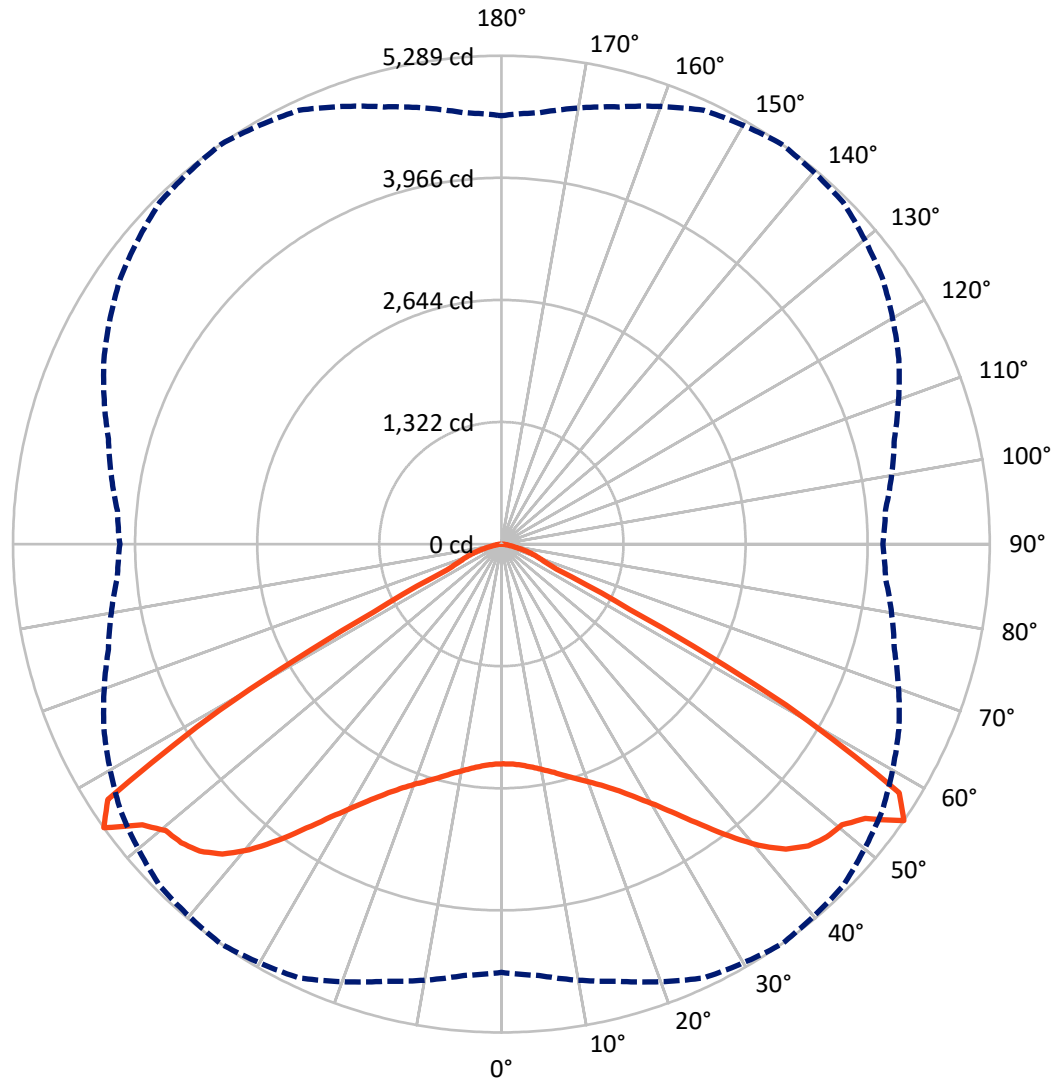
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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	6613.8	0.0	6613.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6613.8	0.0	6613.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13227.6	0.0	13227.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	1.8
10°-20°	739.0	5.6
20°-30°	1367.7	10.3
30°-40°	2287.9	17.3
40°-50°	3486.4	26.4
50°-60°	3905.5	29.5
60°-70°	924.1	7.0
70°-80°	249.1	1.9
80°-90°	35.9	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°	13227.6	100.0
0°-180°	13227.6	100.0

Coefficient of Utilization



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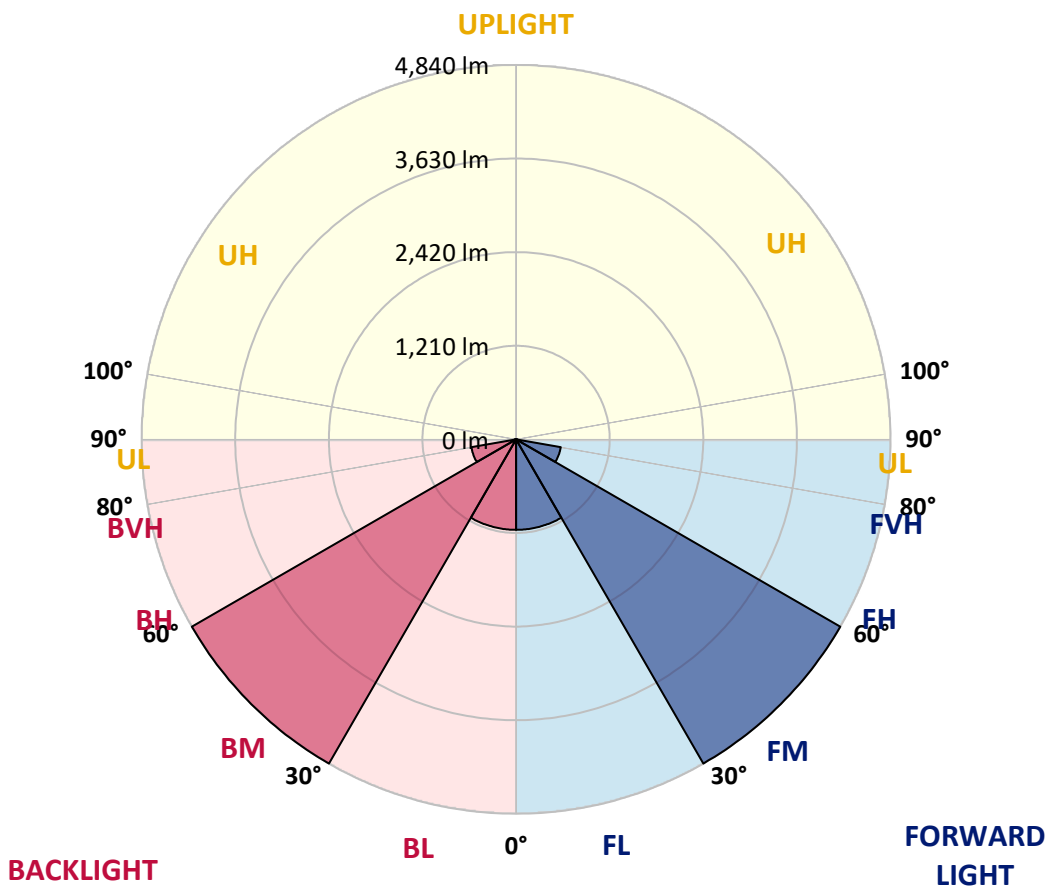
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.4	8.8			
FM (30°-60°)	4839.9	36.6			
FH (60°-80°)	586.6	4.4			G0/660
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	1169.4	8.8	B3/2500		
BM (30°-60°)	4839.9	36.6	B3/5000		
BH (60°-80°)	586.6	4.4	B2/1000		G0/660
BVH (80°-90°)	17.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2374.5	2374.5	2378.6	2383.9	2384.9	2395.4	2393.3	2389.1	2387.0	2382.8	2392.2
5°	2400.6	2401.6	2404.8	2407.9	2405.8	2414.2	2411.1	2405.8	2402.7	2397.5	2406.9
7.5°	2435.1	2435.1	2438.3	2442.4	2440.3	2452.9	2446.6	2439.3	2434.1	2427.8	2436.2
10°	2466.5	2468.6	2471.7	2480.1	2484.3	2497.9	2493.7	2483.2	2474.9	2467.5	2477.0
12.5°	2513.6	2515.7	2518.8	2530.3	2537.6	2551.2	2545.0	2530.3	2517.8	2507.3	2517.8
15°	2574.2	2572.1	2580.5	2595.2	2604.6	2617.1	2609.8	2584.7	2568.0	2554.4	2564.8
17.5°	2636.0	2634.9	2643.3	2662.1	2675.7	2692.4	2679.9	2650.6	2632.8	2616.1	2626.5
20°	2702.9	2706.0	2714.4	2732.2	2752.1	2774.0	2763.6	2732.2	2712.3	2693.5	2701.9
22.5°	2785.5	2786.6	2796.0	2819.0	2845.2	2866.1	2859.8	2821.1	2796.0	2776.1	2786.6
25°	2884.9	2883.9	2896.4	2923.6	2960.2	2981.1	2967.5	2924.7	2897.5	2874.4	2882.8
27.5°	2998.9	2997.9	3016.7	3052.3	3104.6	3133.9	3105.6	3052.3	3014.6	2982.2	2989.5
30°	3142.2	3139.1	3160.0	3208.1	3276.1	3325.3	3283.4	3209.2	3160.0	3125.5	3132.8
32.5°	3301.2	3305.4	3331.6	3396.4	3482.2	3546.0	3483.2	3400.6	3334.7	3284.5	3292.9
35°	3475.9	3475.9	3529.2	3609.8	3732.2	3816.9	3719.6	3600.4	3512.5	3443.5	3445.6
37.5°	3670.5	3672.6	3742.6	3853.5	4013.6	4112.9	3981.1	3833.6	3726.9	3652.7	3648.5
40°	3907.9	3914.2	3986.4	4109.8	4289.7	4380.7	4239.5	4095.1	3986.4	3898.5	3890.1
42.5°	4175.7	4177.8	4254.1	4365.0	4516.7	4571.1	4460.2	4342.0	4253.1	4173.6	4165.2
45°	4430.9	4425.7	4491.6	4574.2	4662.1	4667.3	4605.6	4557.5	4480.1	4412.1	4399.5
47.5°	4629.7	4625.5	4685.1	4730.1	4740.5	4689.3	4709.2	4716.5	4626.5	4534.5	4510.4
50°	4751.0	4759.4	4815.8	4841.0	4779.2	4695.6	4770.9	4752.0	4623.4	4503.1	4464.4
52.5°	4824.2	4836.8	4935.1	4998.9	4935.1	4855.6	4866.1	4755.2	4570.0	4411.0	4360.8
55°	4639.1	4689.3	4901.6	5184.0	5288.6	5233.2	5034.5	4748.9	4405.8	4174.6	4131.8
57.5°	3438.2	3517.7	3832.6	4444.5	5080.5	5282.4	4701.8	3981.1	3461.3	3164.2	3139.1
60°	1755.2	1844.1	2096.2	2724.9	3542.8	3827.4	3275.1	2549.1	2026.1	1785.5	1758.3
62.5°	716.5	731.2	813.8	1056.5	1565.9	1806.5	1586.8	1114.0	836.8	770.9	772.0
65°	563.8	566.9	562.8	577.4	655.9	728.0	672.6	591.0	576.4	583.7	578.4
67.5°	491.6	492.7	489.5	489.5	492.7	489.5	495.8	498.9	501.0	509.4	504.2
70°	411.1	412.1	412.1	414.2	413.2	407.9	417.4	421.5	422.6	427.8	424.7
72.5°	318.0	321.1	323.2	324.3	323.2	320.1	325.3	332.6	331.6	336.8	331.6
75°	215.5	219.7	221.8	225.9	224.9	224.9	231.2	234.3	231.2	235.4	231.2
77.5°	122.4	125.5	131.8	136.0	140.2	143.3	147.5	149.6	148.5	150.6	148.5
80°	71.1	72.2	77.4	79.5	84.7	90.0	94.1	96.2	97.3	98.3	97.3
82.5°	40.8	41.8	43.9	46.0	50.2	54.4	58.6	61.7	61.7	62.8	61.7
85°	19.9	19.9	20.9	22.0	24.1	27.2	30.3	33.5	34.5	34.5	34.5
87.5°	3.1	3.1	4.2	4.2	5.2	6.3	8.4	10.5	11.5	11.5	11.5
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)