

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: P633284

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633284
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-SA2E-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: 12775.7 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: B3 - U0 - G1

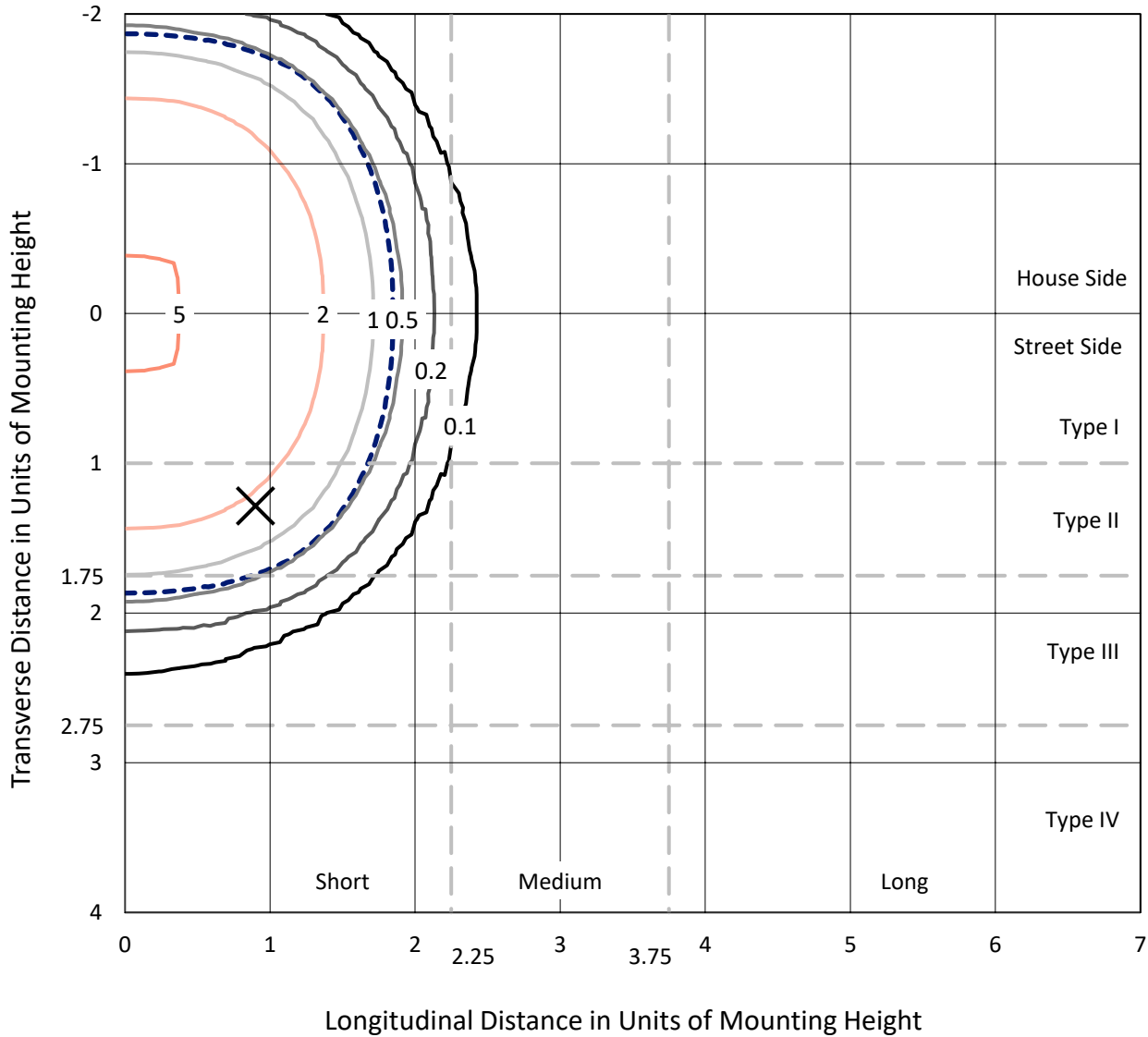
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

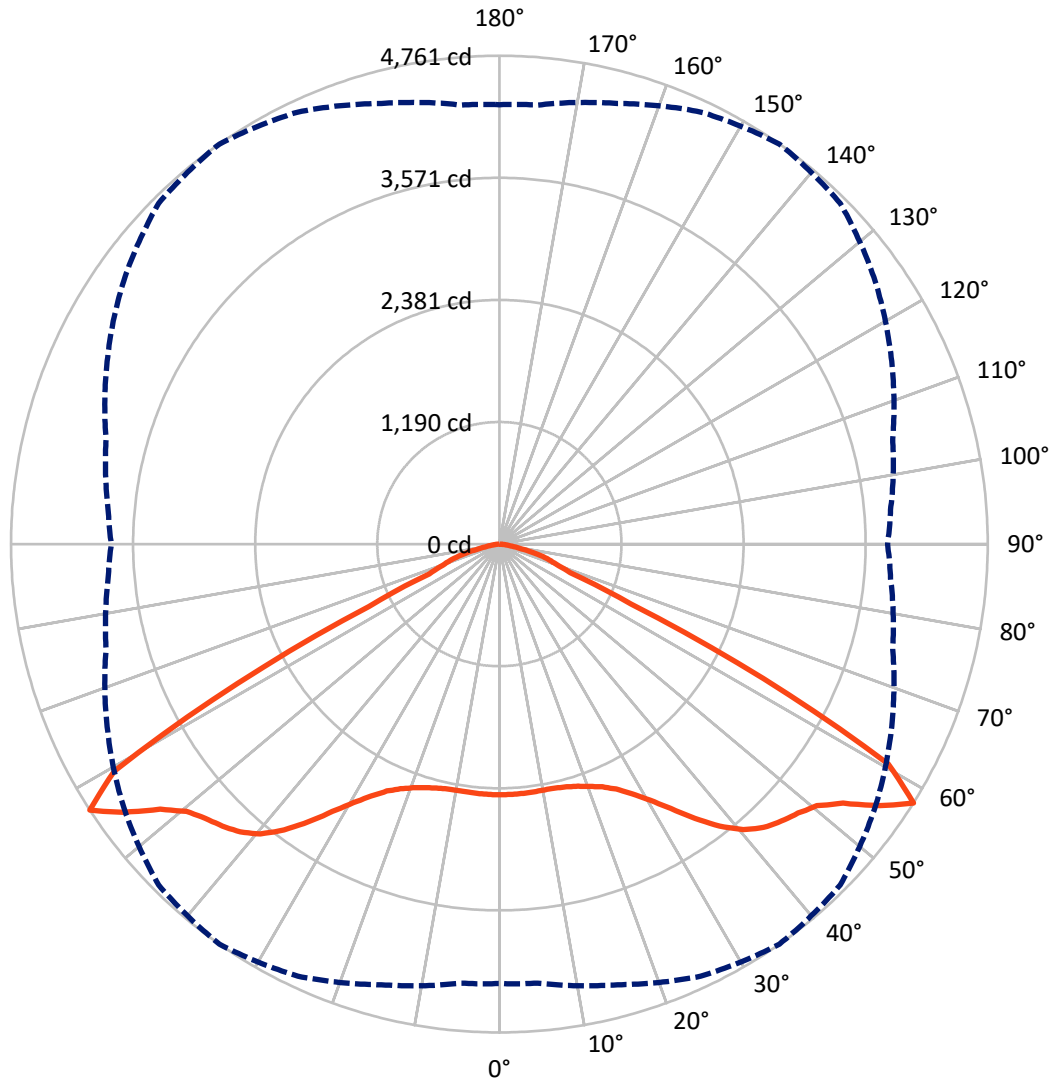
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	6387.8	0.0	6387.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6387.8	0.0	6387.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12775.7	0.0	12775.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	1.8
10°-20°	693.8	5.4
20°-30°	1210.6	9.5
30°-40°	1985.1	15.5
40°-50°	2923.6	22.9
50°-60°	3731.0	29.2
60°-70°	1572.4	12.3
70°-80°	375.6	2.9
80°-90°	51.1	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°	12775.7	100.0
0°-180°	12775.7	100.0

Coefficient of Utilization



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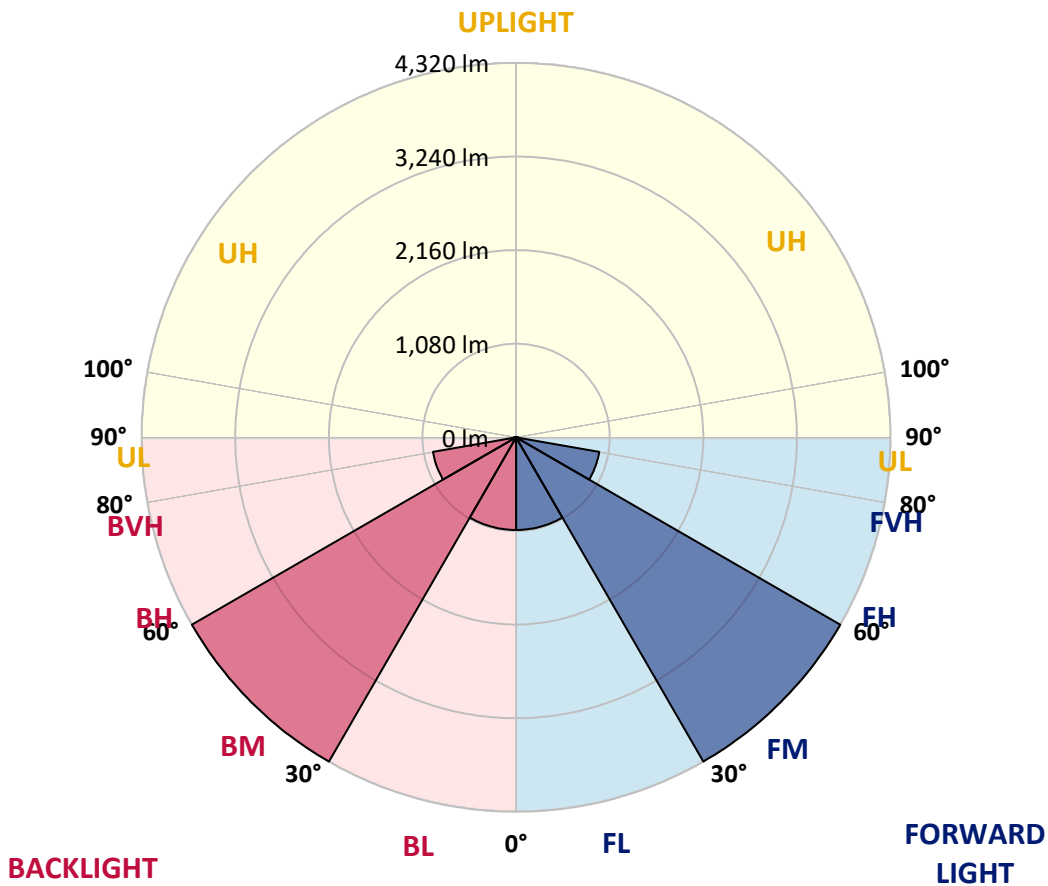
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1068.5	8.4			
FM (30°-60°)	4319.8	33.8			
FH (60°-80°)	974.0	7.6			G1/1800
FVH (80°-90°)	25.6	0.2			G1/100
BL (0°-30°)	1068.5	8.4	B3/2500		
BM (30°-60°)	4319.8	33.8	B3/5000		
BH (60°-80°)	974.0	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.6	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°	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5	2444.5
2.5°	2429.8	2429.8	2435.1	2440.3	2442.4	2451.8	2450.8	2447.6	2445.5	2439.3	2447.6
5°	2435.1	2435.1	2439.3	2442.4	2441.3	2448.7	2445.5	2440.3	2437.2	2430.9	2440.3
7.5°	2434.0	2434.0	2437.2	2440.3	2438.2	2444.5	2439.3	2431.9	2426.7	2420.4	2428.8
10°	2420.4	2422.5	2425.7	2433.0	2436.1	2445.5	2438.2	2426.7	2418.3	2411.0	2419.4
12.5°	2418.3	2420.4	2424.6	2434.0	2439.3	2452.9	2443.4	2424.6	2412.1	2402.6	2411.0
15°	2427.7	2429.8	2436.1	2447.6	2456.0	2470.6	2457.0	2430.9	2413.1	2400.6	2407.9
17.5°	2439.3	2442.4	2451.8	2468.5	2482.1	2497.8	2481.1	2449.7	2424.6	2407.9	2414.2
20°	2451.8	2456.0	2470.6	2495.7	2520.8	2540.7	2519.8	2478.0	2447.6	2425.7	2431.9
22.5°	2473.8	2479.0	2497.8	2533.4	2571.0	2600.3	2574.2	2517.7	2478.0	2449.7	2454.9
25°	2518.7	2525.0	2549.1	2592.0	2645.3	2680.9	2644.3	2580.5	2525.0	2490.5	2495.7
27.5°	2598.2	2601.4	2632.8	2689.2	2755.1	2795.9	2752.0	2676.7	2615.0	2575.2	2579.4
30°	2702.8	2712.3	2743.6	2817.9	2896.4	2950.7	2893.2	2804.3	2733.2	2685.1	2689.2
32.5°	2830.5	2836.7	2883.8	2961.2	3074.2	3136.9	3058.5	2952.8	2867.1	2808.5	2812.7
35°	2997.8	3003.0	3048.0	3146.3	3283.4	3341.9	3252.0	3130.7	3031.3	2975.8	2991.5
37.5°	3197.6	3207.0	3239.4	3336.7	3489.4	3547.0	3443.4	3330.4	3226.9	3175.6	3187.1
40°	3412.0	3411.0	3437.1	3522.9	3662.0	3697.6	3604.5	3514.5	3425.6	3392.2	3411.0
42.5°	3596.1	3590.9	3609.7	3680.8	3777.1	3780.2	3718.5	3668.3	3605.5	3582.5	3600.3
45°	3724.8	3726.9	3755.1	3804.3	3853.4	3827.3	3808.5	3800.1	3750.9	3719.5	3722.7
47.5°	3826.2	3834.6	3879.6	3913.1	3919.3	3875.4	3901.6	3914.1	3873.3	3825.2	3811.6
50°	3916.2	3929.8	3988.4	4023.9	4010.3	3954.9	4006.2	4025.0	3935.0	3843.0	3815.8
52.5°	4079.4	4095.1	4166.2	4212.2	4196.5	4141.1	4189.2	4122.3	3970.6	3857.6	3823.1
55°	4339.8	4347.1	4434.0	4509.3	4502.0	4434.0	4395.3	4246.7	4062.6	3945.5	3913.1
57.5°	4284.4	4296.9	4447.6	4648.4	4761.4	4699.6	4472.7	4219.5	3969.5	3828.3	3784.4
60°	3371.2	3401.6	3588.8	3942.3	4356.6	4355.5	3934.0	3540.7	3239.4	3052.2	3033.4
62.5°	1968.6	1989.5	2160.0	2517.7	2889.0	2912.0	2616.0	2346.2	2082.6	1956.0	1895.3
65°	932.0	930.9	998.9	1160.0	1411.0	1430.9	1342.0	1194.5	1038.7	995.8	984.3
67.5°	688.3	688.3	683.0	694.5	742.7	753.1	742.7	718.6	704.0	713.4	707.1
70°	597.3	598.3	592.0	588.9	588.9	585.8	589.9	599.4	605.6	618.2	611.9
72.5°	484.3	485.3	485.3	486.4	487.4	483.2	489.5	494.8	495.8	500.0	495.8
75°	344.1	346.2	352.5	357.7	361.9	361.9	364.0	365.1	360.9	366.1	357.7
77.5°	189.3	191.4	202.9	212.3	221.8	222.8	225.9	228.0	225.9	230.1	223.8
80°	104.6	106.7	111.9	116.1	123.4	129.7	133.9	136.0	136.0	139.1	136.0
82.5°	59.6	61.7	64.9	66.9	73.2	78.4	82.6	85.8	85.8	86.8	84.7
85°	28.2	28.2	30.3	32.4	35.6	37.7	42.9	46.0	46.0	48.1	46.0
87.5°	4.2	5.2	6.3	6.3	8.4	10.5	12.6	13.6	15.7	16.7	16.7
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)