

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: P633838

Luminaire Tested: GWS-SA2F-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17344.4 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

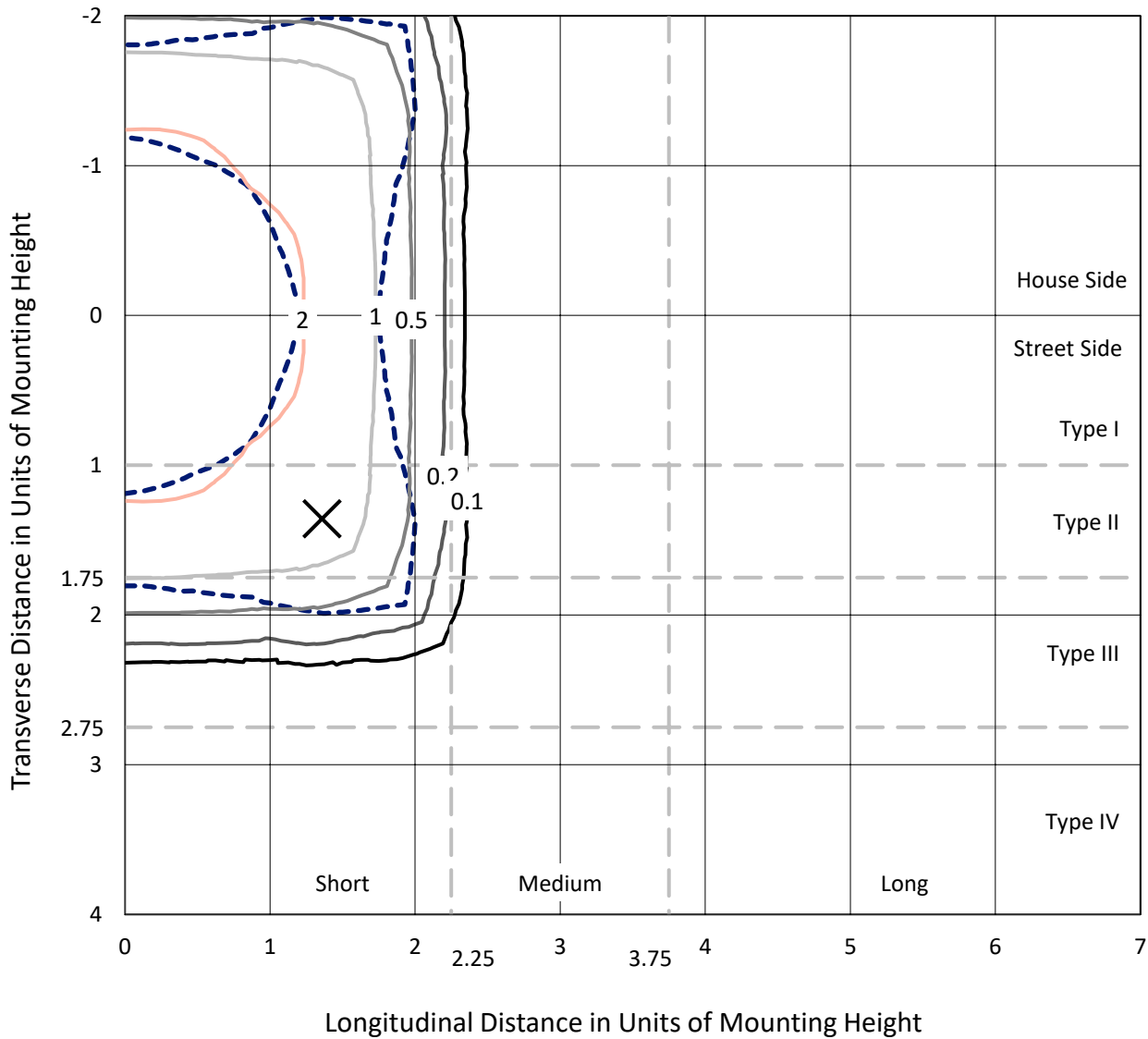
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

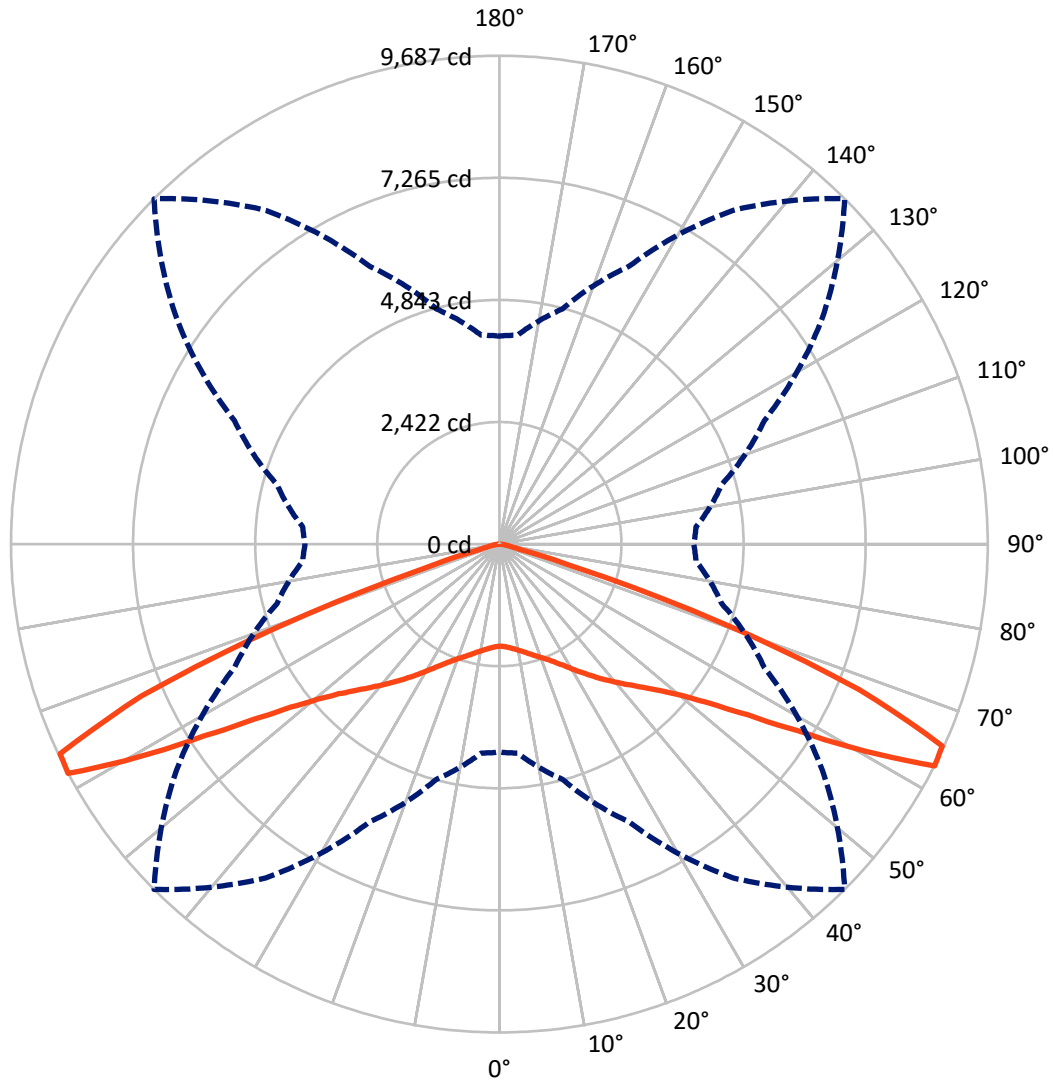
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8672.2	0.0	8672.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8672.2	0.0	8672.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17344.4	0.0	17344.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	1.1
10°-20°	640.2	3.7
20°-30°	1211.2	7.0
30°-40°	2038.7	11.8
40°-50°	3257.2	18.8
50°-60°	5250.4	30.3
60°-70°	4283.7	24.7
70°-80°	416.0	2.4
80°-90°	48.4	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°	17344.4	100.0
0°-180°	17344.4	100.0

Coefficient of Utilization



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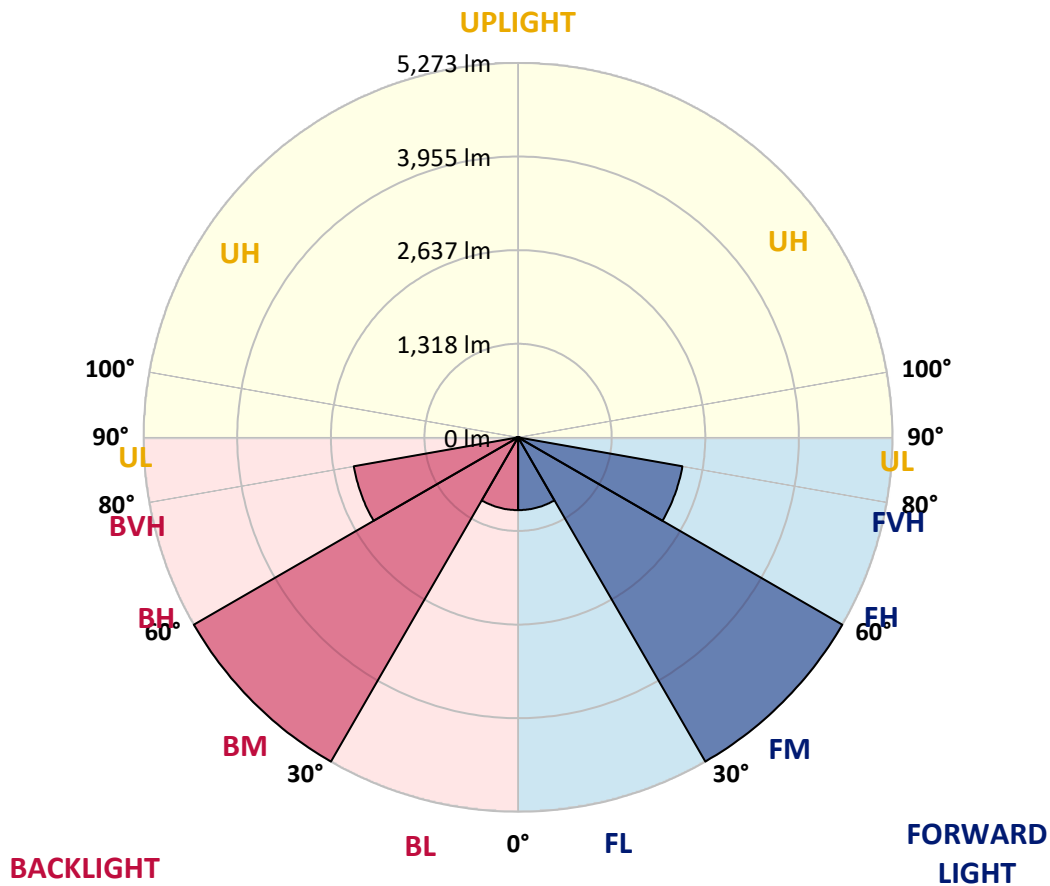
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.0	5.9			
FM (30°-60°)	5273.1	30.4			
FH (60°-80°)	2349.9	13.5			G2/5000
FVH (80°-90°)	24.2	0.1			G1/100
BL (0°-30°)	1025.0	5.9	B3/2500		
BM (30°-60°)	5273.1	30.4	B4/8500		
BH (60°-80°)	2349.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	24.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5	2023.5
2.5°	2021.1	2021.1	2025.8	2029.4	2027.0	2036.5	2035.4	2033.0	2031.8	2028.2	2038.9
5°	2048.4	2048.4	2052.0	2055.6	2049.6	2061.5	2056.8	2054.4	2053.2	2048.4	2058.0
7.5°	2079.4	2082.9	2084.1	2090.1	2086.5	2099.6	2096.0	2091.3	2088.9	2082.9	2091.3
10°	2113.9	2116.2	2117.4	2128.1	2129.3	2144.8	2141.2	2135.3	2130.5	2124.6	2136.5
12.5°	2160.3	2161.4	2165.0	2178.1	2181.7	2193.6	2192.4	2184.1	2178.1	2169.8	2182.9
15°	2219.7	2220.9	2226.9	2240.0	2245.9	2260.2	2255.4	2242.3	2234.0	2224.5	2235.2
17.5°	2281.6	2286.4	2292.3	2305.4	2313.7	2330.4	2324.4	2310.1	2303.0	2293.5	2300.6
20°	2361.3	2362.5	2366.1	2380.3	2386.3	2405.3	2406.5	2392.2	2388.7	2379.1	2389.8
22.5°	2449.3	2450.5	2454.1	2469.5	2480.3	2492.1	2499.3	2491.0	2485.0	2473.1	2486.2
25°	2546.9	2558.8	2562.3	2581.4	2593.3	2600.4	2608.7	2605.2	2596.8	2582.6	2588.5
27.5°	2683.7	2686.0	2692.0	2713.4	2720.5	2727.7	2736.0	2737.2	2725.3	2708.7	2717.0
30°	2839.5	2838.3	2851.4	2868.1	2874.0	2879.9	2891.8	2899.0	2883.5	2865.7	2874.0
32.5°	2998.9	3013.2	3029.8	3045.3	3041.7	3044.1	3063.1	3076.2	3054.8	3022.7	3029.8
35°	3178.5	3188.0	3209.5	3232.1	3227.3	3223.7	3235.6	3248.7	3219.0	3177.3	3188.0
37.5°	3362.9	3377.2	3409.3	3436.7	3429.5	3412.9	3426.0	3440.2	3411.7	3364.1	3359.3
40°	3568.7	3591.3	3637.7	3660.3	3641.3	3609.2	3631.8	3666.3	3637.7	3583.0	3569.9
42.5°	3810.2	3837.6	3883.9	3918.4	3876.8	3824.5	3862.5	3912.5	3905.4	3832.8	3810.2
45°	4108.8	4126.6	4183.7	4200.4	4138.5	4065.9	4134.9	4211.1	4193.2	4114.7	4085.0
47.5°	4433.5	4460.9	4510.8	4541.8	4441.9	4351.4	4447.8	4550.1	4531.1	4457.3	4422.8
50°	4847.5	4883.2	4948.6	4974.8	4836.8	4733.3	4857.0	4986.7	4949.8	4851.1	4805.9
52.5°	5298.3	5326.9	5438.7	5491.1	5361.4	5249.6	5357.8	5485.1	5406.6	5275.7	5215.1
55°	5695.7	5724.2	5888.4	6062.0	6056.1	5978.8	6033.5	6035.9	5822.9	5606.4	5542.2
57.5°	5781.3	5809.9	6122.7	6577.1	6898.3	6987.5	6826.9	6489.1	5952.6	5573.1	5500.6
60°	5324.5	5356.6	5853.9	6684.2	7740.5	8336.5	7596.6	6479.6	5551.7	5037.8	4968.8
62.5°	4125.4	4159.9	4828.5	6075.1	8080.7	9686.7	7820.2	5798.0	4566.8	3916.1	3855.4
65°	1969.9	1969.9	2819.3	4357.4	7402.7	9654.5	7173.1	4289.6	2749.1	2111.5	2059.1
67.5°	487.7	490.1	725.6	1696.3	5035.4	7704.8	5117.5	2059.1	968.3	685.2	667.3
70°	304.5	303.3	336.6	459.2	1761.8	4676.2	2092.5	621.0	393.7	347.4	345.0
72.5°	236.7	236.7	253.4	293.8	461.6	1592.8	610.2	345.0	285.5	256.9	256.9
75°	186.8	186.8	198.7	220.1	272.4	410.4	324.8	255.8	221.3	202.2	199.8
77.5°	139.2	141.6	151.1	165.4	185.6	230.8	205.8	192.7	172.5	158.2	153.5
80°	90.4	94.0	105.9	114.2	121.3	152.3	134.4	140.4	130.9	114.2	111.8
82.5°	48.8	50.0	64.2	66.6	69.0	83.3	85.6	89.2	92.8	72.6	67.8
85°	17.8	17.8	21.4	25.0	27.4	29.7	40.4	50.0	52.3	41.6	40.4
87.5°	3.6	3.6	3.6	2.4	2.4	2.4	7.1	13.1	21.4	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)