

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: P636038

Luminaire Tested: GWS-SA3F-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636038
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-SA3F-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18824.2 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

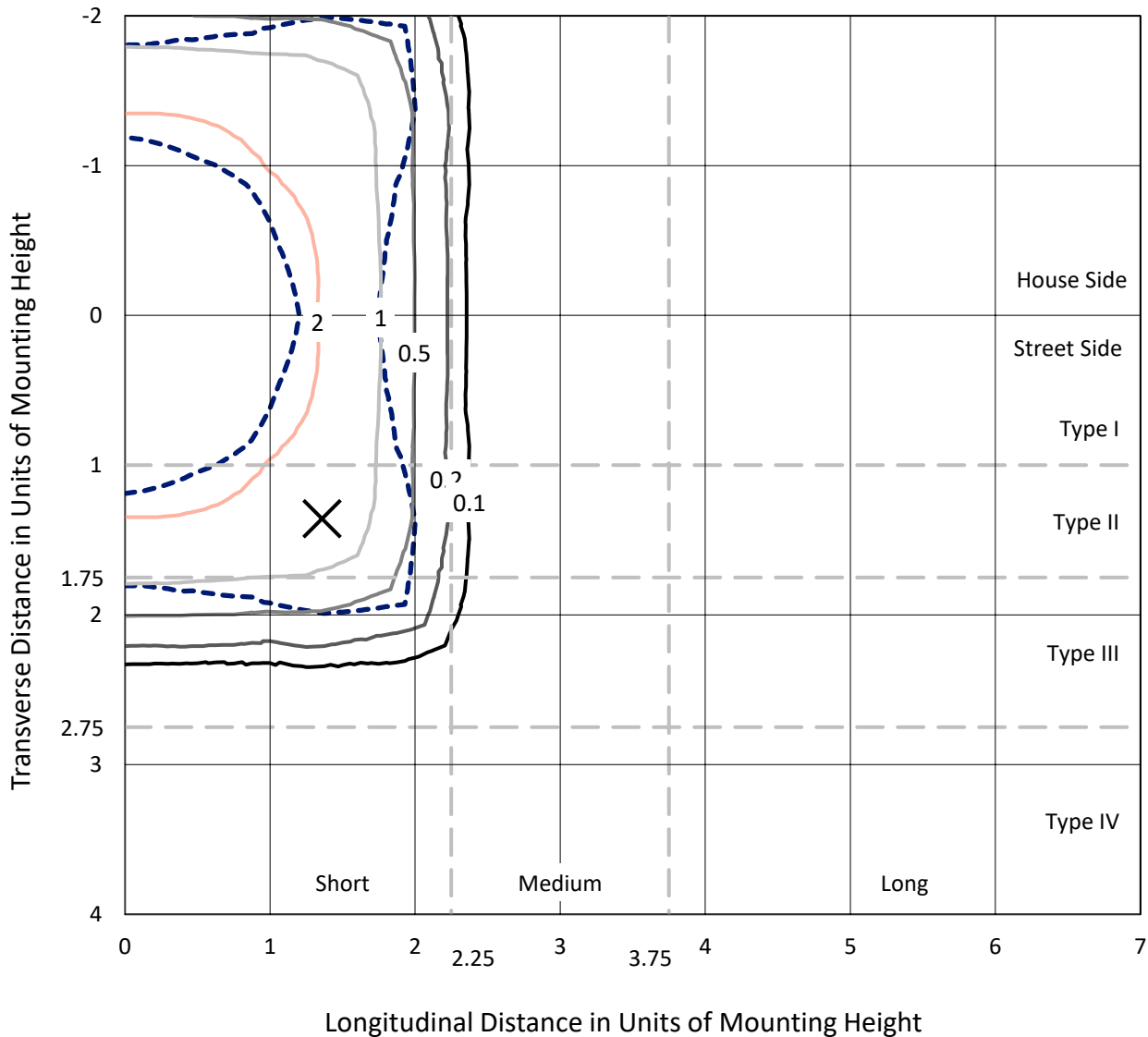
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636038
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Iso-Footcandle Lines of Horizontal Illumination

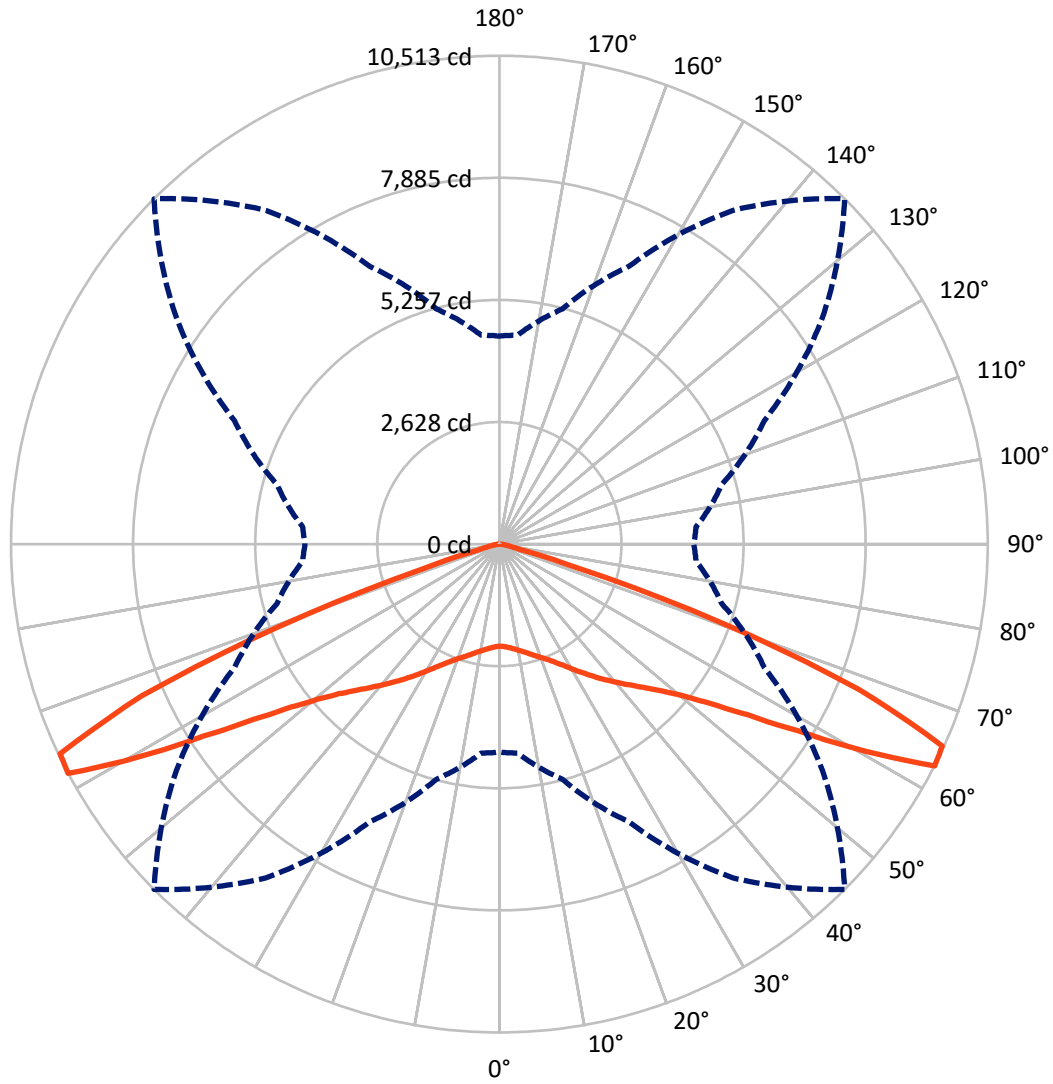
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636038
CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636038

CATALOG NUMBER: GWS-SA3F-722-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9412.1	0.0	9412.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9412.1	0.0	9412.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	18824.2	0.0	18824.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.5	1.1
10°-20°	694.8	3.7
20°-30°	1314.6	7.0
30°-40°	2212.6	11.8
40°-50°	3535.1	18.8
50°-60°	5698.4	30.3
60°-70°	4649.2	24.7
70°-80°	451.5	2.4
80°-90°	52.5	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°	18824.2	100.0
0°-180°	18824.2	100.0

Coefficient of Utilization



REPORT NUMBER: P636038

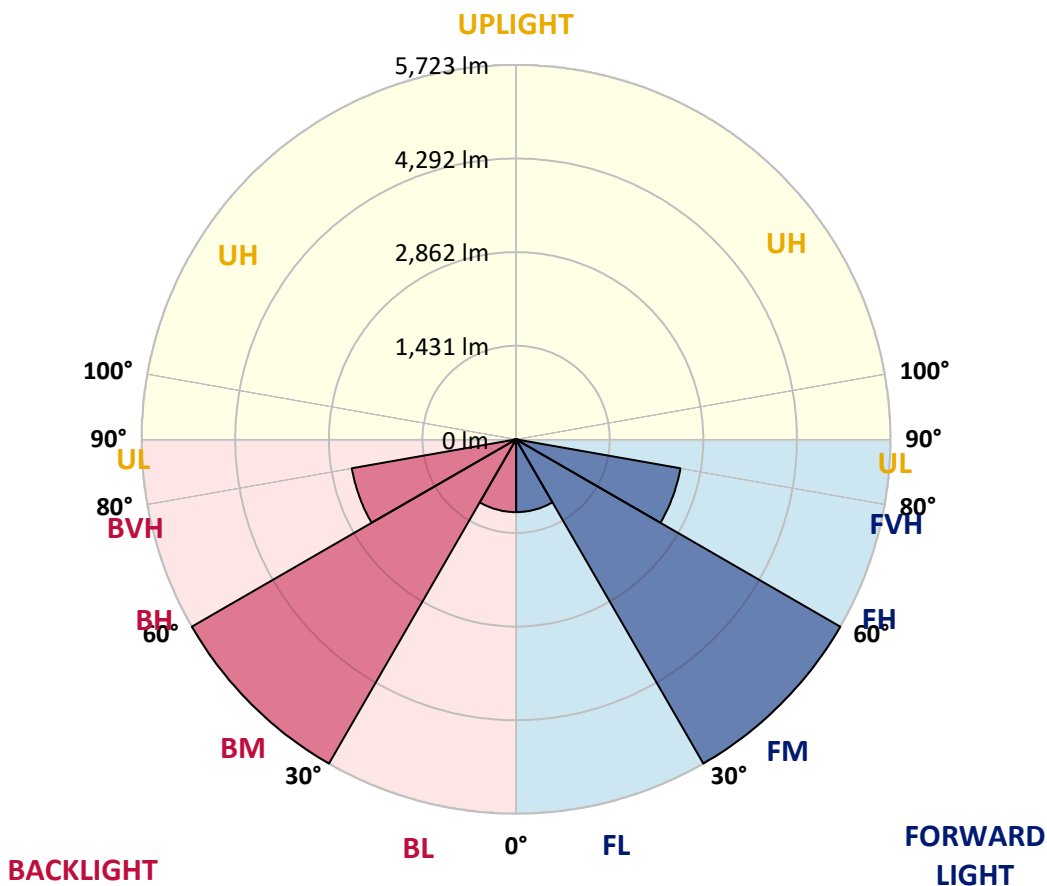
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.4	5.9			
FM (30°-60°)	5723.0	30.4			
FH (60°-80°)	2550.4	13.5			G2/5000
FVH (80°-90°)	26.3	0.1			G1/100
BL (0°-30°)	1112.4	5.9	B3/2500		
BM (30°-60°)	5723.0	30.4	B4/8500		
BH (60°-80°)	2550.4	13.5	B4/5000		G2/5000
BVH (80°-90°)	26.3	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°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2193.5	2193.5	2198.7	2202.6	2200.0	2210.3	2209.0	2206.4	2205.1	2201.3	2212.9
5°	2223.2	2223.2	2227.1	2231.0	2224.5	2237.4	2232.2	2229.7	2228.4	2223.2	2233.5
7.5°	2256.8	2260.6	2261.9	2268.4	2264.5	2278.7	2274.9	2269.7	2267.1	2260.6	2269.7
10°	2294.2	2296.8	2298.1	2309.7	2311.0	2327.8	2323.9	2317.5	2312.3	2305.8	2318.7
12.5°	2344.6	2345.9	2349.7	2363.9	2367.8	2380.7	2379.4	2370.4	2363.9	2354.9	2369.1
15°	2409.1	2410.4	2416.9	2431.1	2437.5	2453.0	2447.9	2433.7	2424.6	2414.3	2425.9
17.5°	2476.3	2481.4	2487.9	2502.1	2511.1	2529.2	2522.7	2507.2	2499.5	2489.2	2496.9
20°	2562.8	2564.0	2567.9	2583.4	2589.9	2610.5	2611.8	2596.3	2592.5	2582.1	2593.7
22.5°	2658.3	2659.6	2663.5	2680.2	2691.9	2704.8	2712.5	2703.5	2697.0	2684.1	2698.3
25°	2764.2	2777.1	2780.9	2801.6	2814.5	2822.3	2831.3	2827.4	2818.4	2802.9	2809.4
27.5°	2912.6	2915.2	2921.7	2944.9	2952.7	2960.4	2969.4	2970.7	2957.8	2939.7	2948.8
30°	3081.8	3080.5	3094.7	3112.8	3119.2	3125.7	3138.6	3146.3	3129.5	3110.2	3119.2
32.5°	3254.8	3270.3	3288.3	3305.1	3301.2	3303.8	3324.5	3338.7	3315.4	3280.6	3288.3
35°	3449.7	3460.0	3483.3	3507.8	3502.7	3498.8	3511.7	3525.9	3493.6	3448.4	3460.0
37.5°	3649.8	3665.3	3700.2	3729.9	3722.1	3704.1	3718.3	3733.8	3702.8	3651.1	3646.0
40°	3873.2	3897.7	3948.1	3972.6	3951.9	3917.1	3941.6	3979.1	3948.1	3888.7	3874.5
42.5°	4135.3	4165.0	4215.3	4252.8	4207.6	4150.8	4192.1	4246.3	4238.6	4159.8	4135.3
45°	4459.3	4478.7	4540.7	4558.7	4491.6	4412.9	4487.7	4570.4	4551.0	4465.8	4433.5
47.5°	4811.8	4841.5	4895.7	4929.3	4820.8	4722.7	4827.3	4938.3	4917.7	4837.6	4800.2
50°	5261.1	5299.8	5370.8	5399.2	5249.5	5137.1	5271.4	5412.1	5372.1	5265.0	5215.9
52.5°	5750.4	5781.4	5902.7	5959.5	5818.8	5697.5	5814.9	5953.1	5867.9	5725.9	5660.0
55°	6181.6	6212.6	6390.8	6579.3	6572.8	6488.9	6548.3	6550.8	6319.7	6084.8	6015.1
57.5°	6274.6	6305.5	6645.1	7138.3	7486.9	7583.7	7409.4	7042.7	6460.5	6048.6	5969.9
60°	5778.8	5813.7	6353.3	7254.5	8400.9	9047.8	8244.7	7032.4	6025.4	5467.6	5392.8
62.5°	4477.4	4514.8	5240.4	6593.5	8770.2	10513.1	8487.4	6292.6	4956.4	4250.2	4184.3
65°	2138.0	2138.0	3059.8	4729.2	8034.3	10478.3	7785.1	4655.6	2983.6	2291.6	2234.8
67.5°	529.3	531.9	787.5	1841.1	5465.1	8362.2	5554.1	2234.8	1050.9	743.7	724.3
70°	330.5	329.2	365.4	498.4	1912.1	5075.2	2271.0	673.9	427.3	377.0	374.4
72.5°	256.9	256.9	275.0	318.9	500.9	1728.7	662.3	374.4	309.9	278.9	278.9
75°	202.7	202.7	215.6	238.8	295.7	445.4	352.5	277.6	240.1	219.5	216.9
77.5°	151.1	153.6	164.0	179.5	201.4	250.5	223.4	209.2	187.2	171.7	166.5
80°	98.1	102.0	114.9	123.9	131.7	165.3	145.9	152.3	142.0	123.9	121.4
82.5°	52.9	54.2	69.7	72.3	74.9	90.4	93.0	96.8	100.7	78.8	73.6
85°	19.4	19.4	23.2	27.1	29.7	32.3	43.9	54.2	56.8	45.2	43.9
87.5°	3.9	3.9	3.9	2.6	2.6	2.6	7.7	14.2	23.2	18.1	18.1
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)