

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: P639998

Luminaire Tested: GWS-SA5D-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639998
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-SA5D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23128.2 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

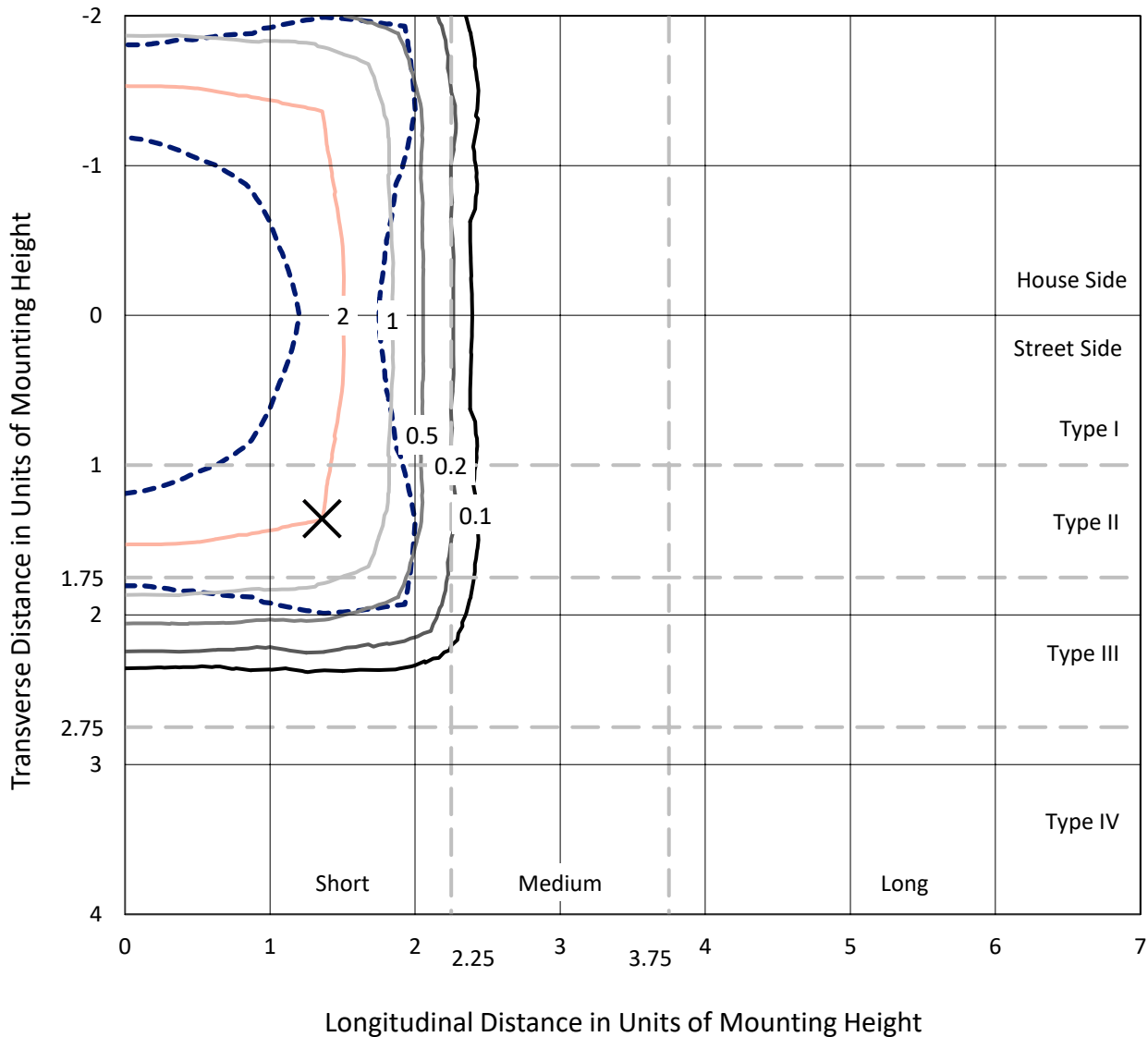
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

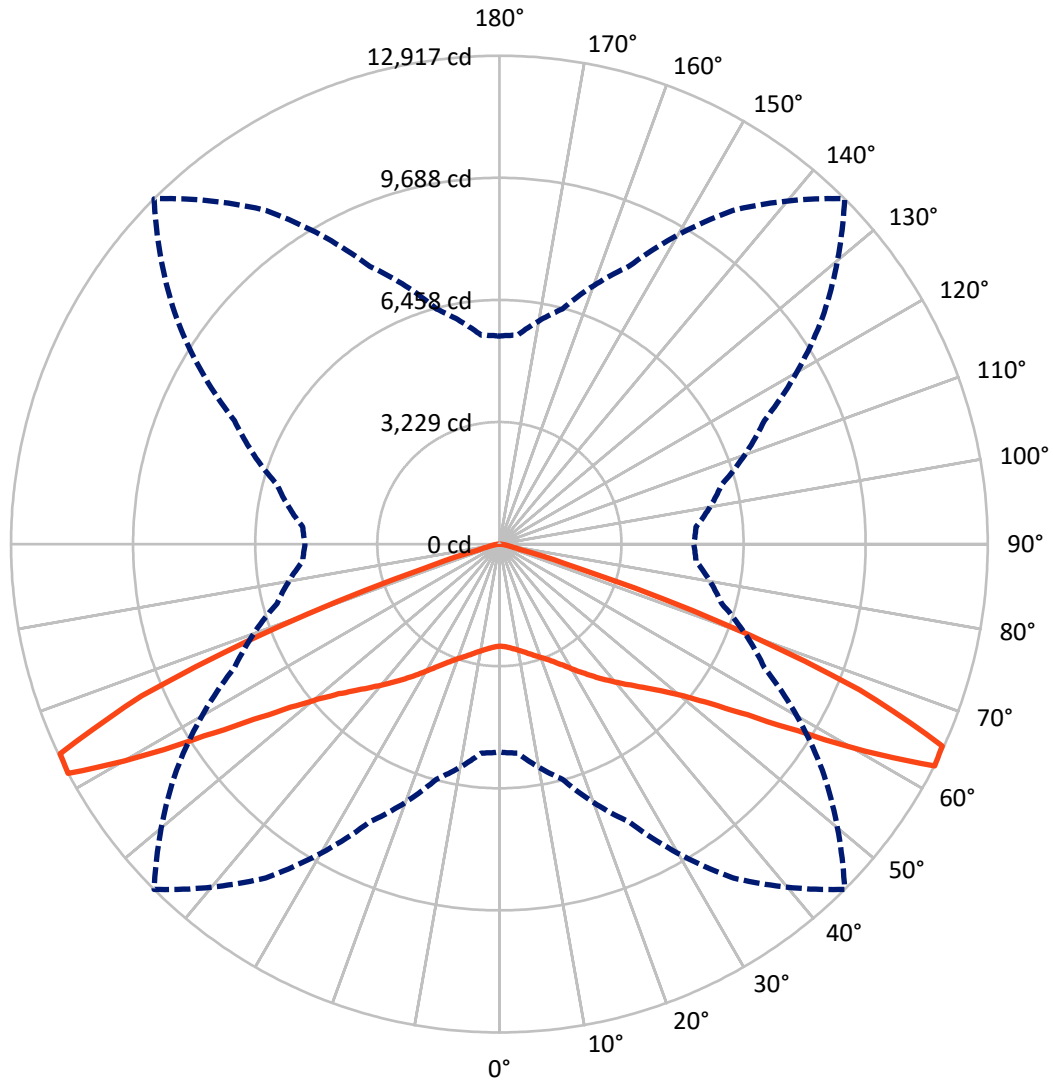
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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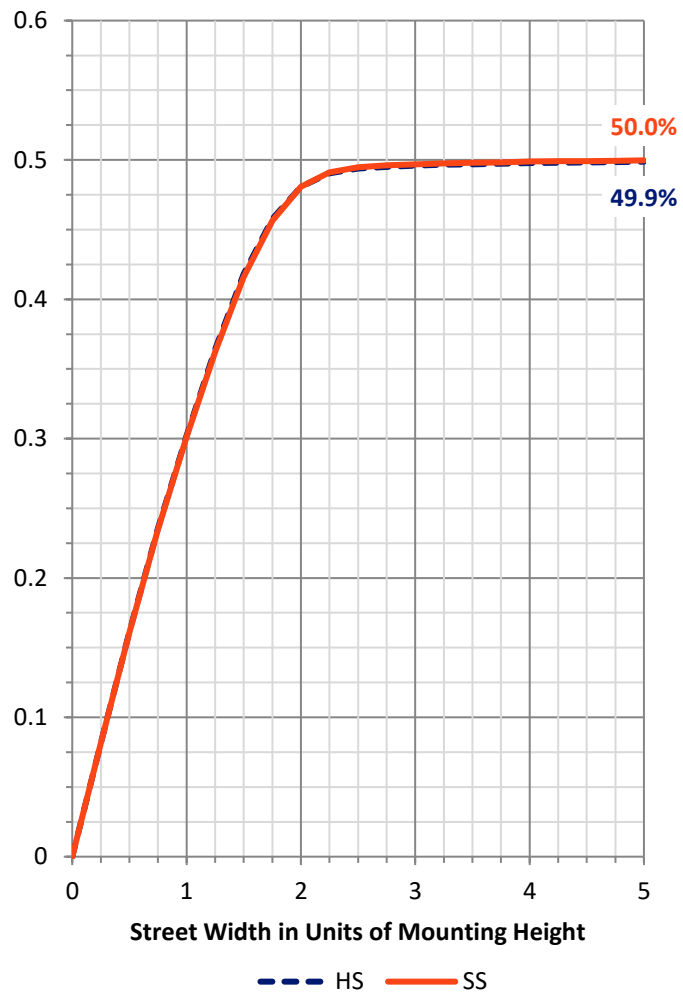
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11564.1	0.0	11564.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11564.1	0.0	11564.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23128.2	0.0	23128.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	1.1
10°-20°	853.7	3.7
20°-30°	1615.1	7.0
30°-40°	2718.5	11.8
40°-50°	4343.4	18.8
50°-60°	7001.3	30.3
60°-70°	5712.2	24.7
70°-80°	554.7	2.4
80°-90°	64.5	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°	23128.2	100.0
0°-180°	23128.2	100.0

Coefficient of Utilization



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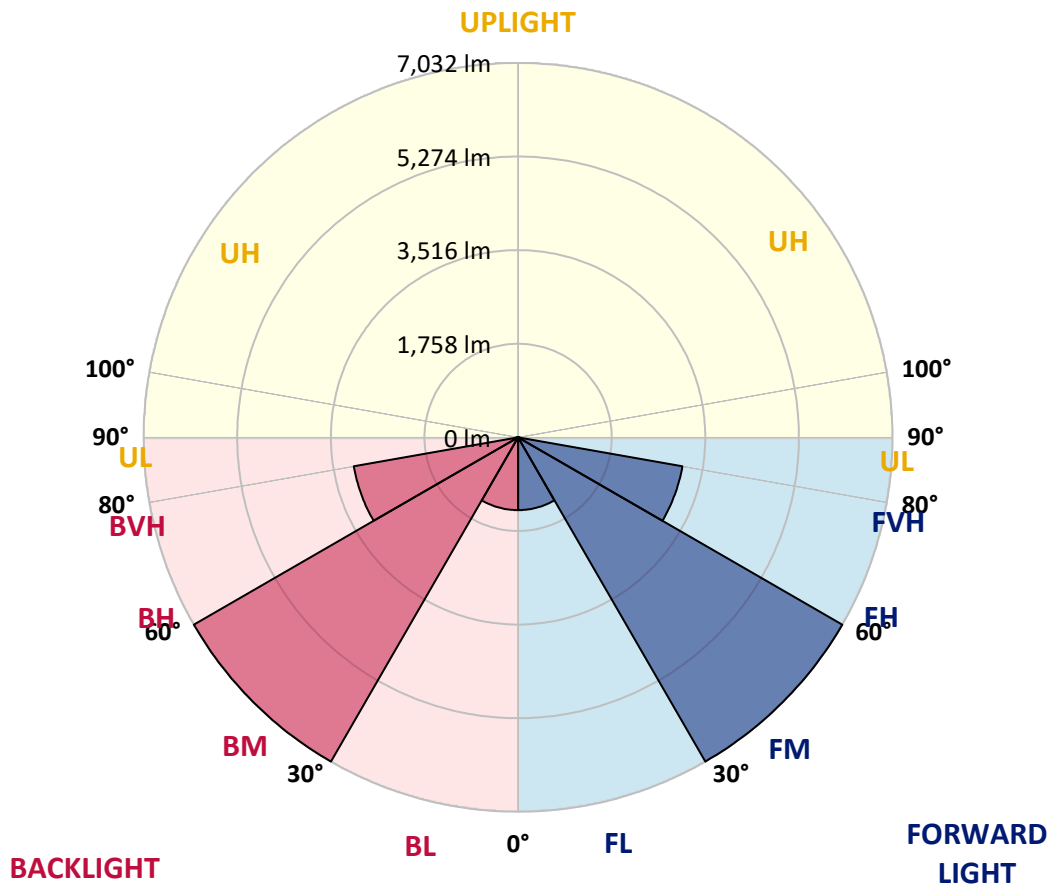
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.8	5.9			
FM (30°-60°)	7031.6	30.4			
FH (60°-80°)	3133.5	13.5			G2/5000
FVH (80°-90°)	32.3	0.1			G1/100
BL (0°-30°)	1366.8	5.9	B3/2500		
BM (30°-60°)	7031.6	30.4	B4/8500		
BH (60°-80°)	3133.5	13.5	B4/5000		G2/5000
BVH (80°-90°)	32.3	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°	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2	2698.2
2.5°	2695.0	2695.0	2701.4	2706.1	2703.0	2715.7	2714.1	2710.9	2709.3	2704.6	2718.8
5°	2731.5	2731.5	2736.3	2741.0	2733.1	2749.0	2742.6	2739.5	2737.9	2731.5	2744.2
7.5°	2772.8	2777.5	2779.1	2787.0	2782.3	2799.7	2795.0	2788.6	2785.5	2777.5	2788.6
10°	2818.8	2821.9	2823.5	2837.8	2839.4	2860.0	2855.3	2847.3	2841.0	2833.0	2848.9
12.5°	2880.6	2882.2	2887.0	2904.4	2909.2	2925.1	2923.5	2912.4	2904.4	2893.3	2910.8
15°	2959.9	2961.5	2969.5	2986.9	2994.8	3013.9	3007.5	2990.1	2979.0	2966.3	2980.6
17.5°	3042.4	3048.8	3056.7	3074.2	3085.3	3107.5	3099.5	3080.5	3071.0	3058.3	3067.8
20°	3148.7	3150.3	3155.1	3174.1	3182.0	3207.4	3209.0	3190.0	3185.2	3172.5	3186.8
22.5°	3266.1	3267.7	3272.4	3293.1	3307.3	3323.2	3332.7	3321.6	3313.7	3297.8	3315.3
25°	3396.2	3412.0	3416.8	3442.2	3458.0	3467.5	3478.7	3473.9	3462.8	3443.8	3451.7
27.5°	3578.6	3581.8	3589.7	3618.2	3627.8	3637.3	3648.4	3650.0	3634.1	3611.9	3623.0
30°	3786.4	3784.8	3802.2	3824.5	3832.4	3840.3	3856.2	3865.7	3845.1	3821.3	3832.4
32.5°	3998.9	4018.0	4040.2	4060.8	4056.0	4059.2	4084.6	4102.1	4073.5	4030.7	4040.2
35°	4238.5	4251.2	4279.7	4309.8	4303.5	4298.7	4314.6	4332.1	4292.4	4236.9	4251.2
37.5°	4484.3	4503.4	4546.2	4582.7	4573.2	4551.0	4568.4	4587.4	4549.4	4485.9	4479.6
40°	4758.8	4788.9	4850.8	4880.9	4855.5	4812.7	4842.8	4888.8	4850.8	4777.8	4760.3
42.5°	5080.8	5117.3	5179.1	5225.1	5169.6	5099.8	5150.6	5217.2	5207.7	5110.9	5080.8
45°	5478.9	5502.7	5578.9	5601.1	5518.6	5421.8	5513.8	5615.3	5591.5	5486.8	5447.2
47.5°	5912.0	5948.4	6015.1	6056.3	5923.1	5802.5	5931.0	6067.4	6042.0	5943.7	5897.7
50°	6464.0	6511.6	6598.8	6633.7	6449.7	6311.7	6476.7	6649.6	6600.4	6468.7	6408.5
52.5°	7065.2	7103.2	7252.3	7322.1	7149.2	7000.1	7144.5	7314.2	7209.5	7035.0	6954.1
55°	7595.0	7633.0	7852.0	8083.5	8075.6	7972.5	8045.5	8048.6	7764.7	7476.0	7390.4
57.5°	7709.2	7747.3	8164.4	8770.4	9198.7	9317.7	9103.5	8653.0	7937.6	7431.6	7334.8
60°	7100.1	7142.9	7806.0	8913.2	10321.7	11116.5	10129.8	8640.3	7403.0	6717.8	6625.8
62.5°	5501.1	5547.1	6438.6	8101.0	10775.4	12916.9	10428.0	7731.4	6089.6	5221.9	5141.0
65°	2626.8	2626.8	3759.4	5810.4	9871.3	12874.0	9565.1	5720.0	3665.8	2815.6	2745.8
67.5°	650.4	653.5	967.6	2262.0	6714.6	10274.2	6824.1	2745.8	1291.2	913.7	889.9
70°	406.1	404.5	448.9	612.3	2349.2	6235.6	2790.2	828.0	525.0	463.2	460.0
72.5°	315.7	315.7	337.9	391.8	615.5	2124.0	813.7	460.0	380.7	342.6	342.6
75°	249.0	249.0	264.9	293.5	363.3	547.3	433.0	341.0	295.0	269.7	266.5
77.5°	185.6	188.8	201.5	220.5	247.5	307.7	274.4	257.0	230.0	211.0	204.6
80°	120.6	125.3	141.2	152.3	161.8	203.0	179.2	187.2	174.5	152.3	149.1
82.5°	65.0	66.6	85.7	88.8	92.0	111.0	114.2	119.0	123.7	96.8	90.4
85°	23.8	23.8	28.6	33.3	36.5	39.7	53.9	66.6	69.8	55.5	53.9
87.5°	4.8	4.8	4.8	3.2	3.2	3.2	9.5	17.4	28.6	22.2	22.2
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)