

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: P637633

Luminaire Tested: GWS-SA4D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637633
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-SA4D-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23308 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

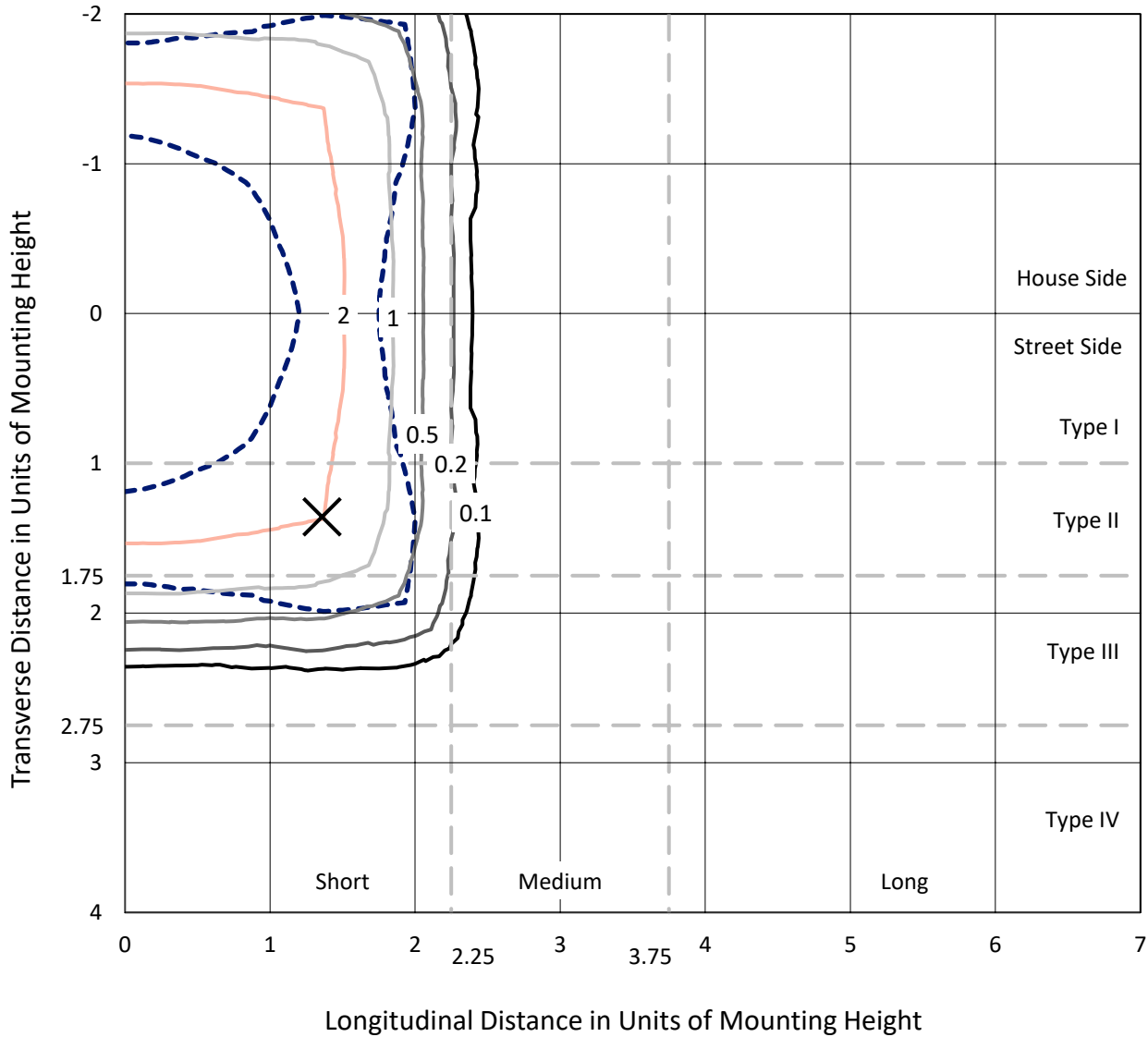
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

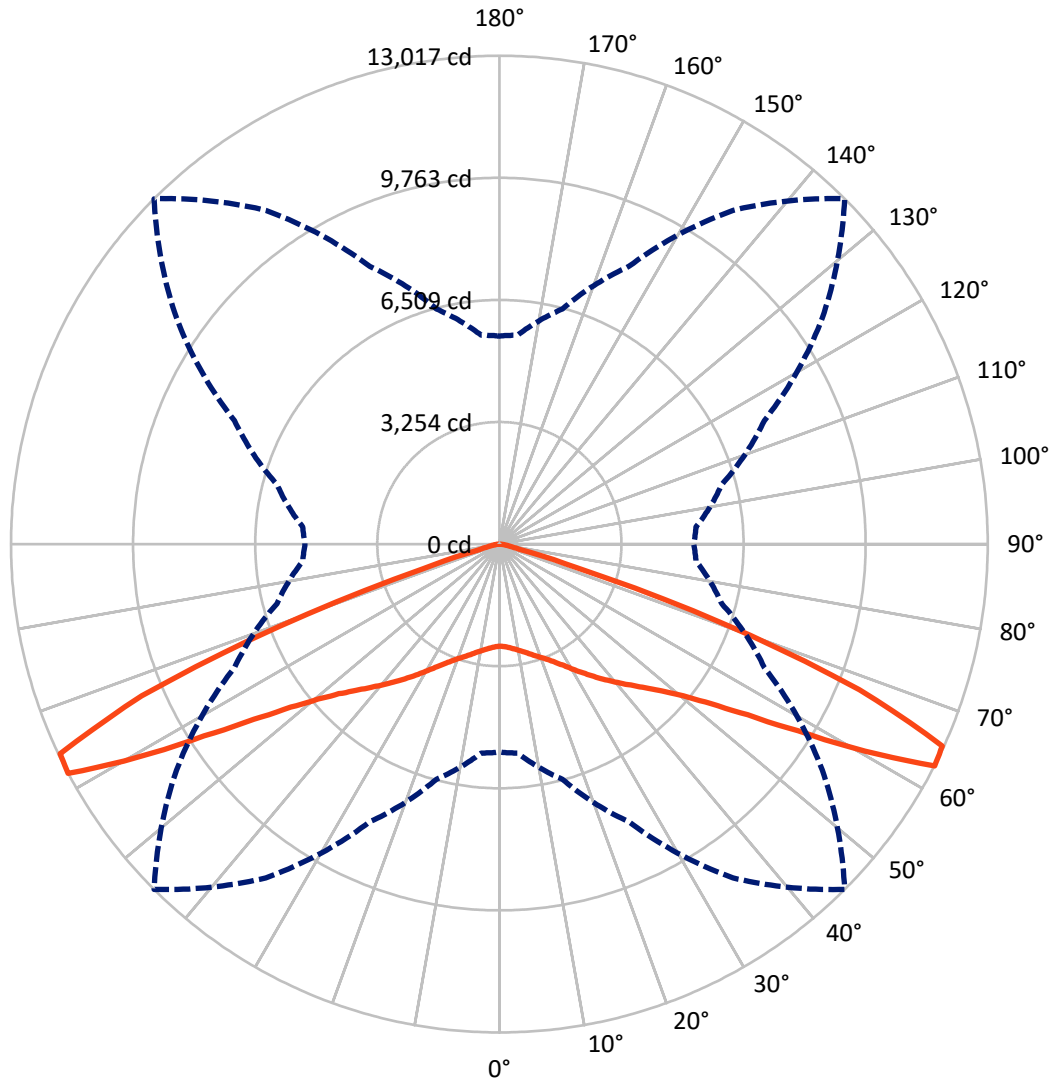
✕ Max cd
 - - - 1/2 Max cd



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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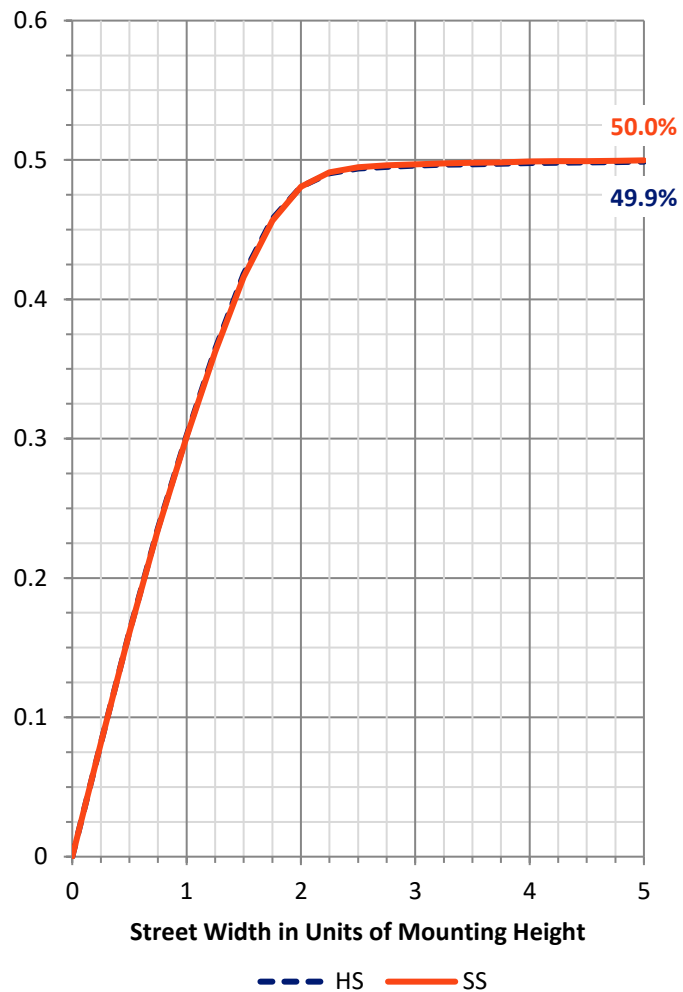
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11654.0	0.0	11654.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11654.0	0.0	11654.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23308.0	0.0	23308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	1.1
10°-20°	860.4	3.7
20°-30°	1627.7	7.0
30°-40°	2739.6	11.8
40°-50°	4377.1	18.8
50°-60°	7055.7	30.3
60°-70°	5756.7	24.7
70°-80°	559.0	2.4
80°-90°	65.1	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°	23308.0	100.0
0°-180°	23308.0	100.0

Coefficient of Utilization



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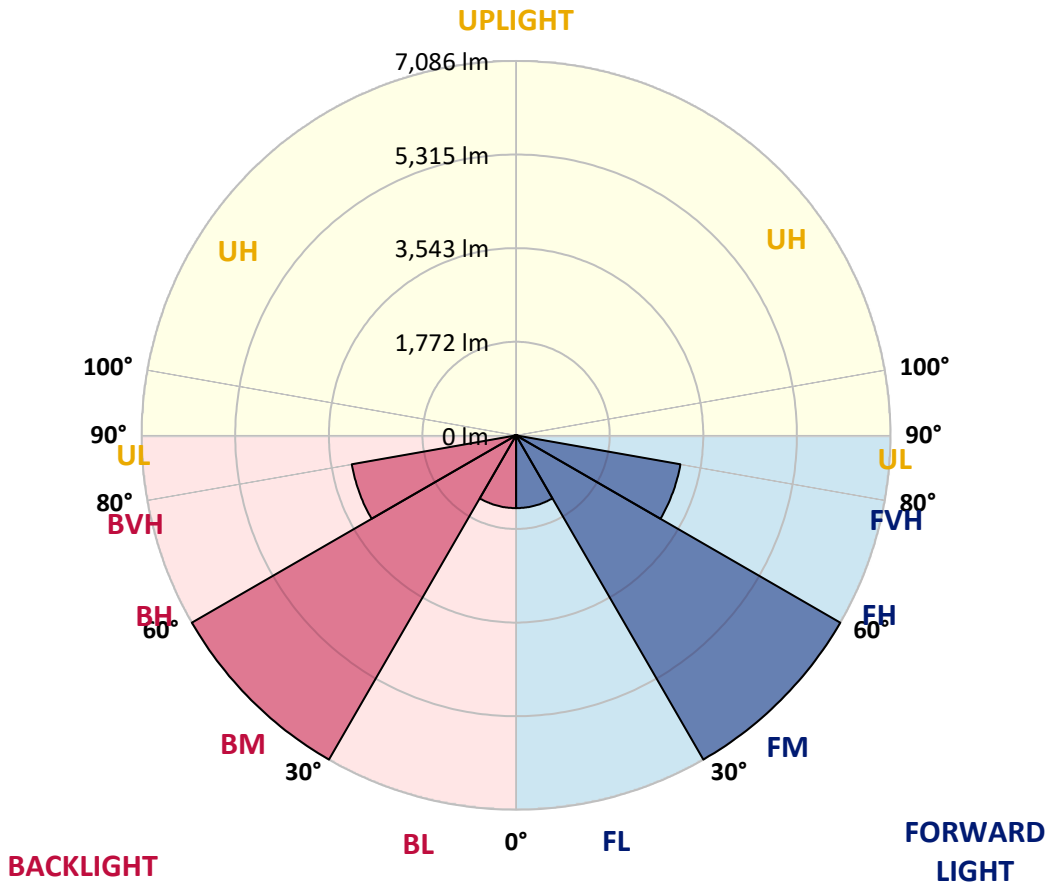
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1377.4	5.9			
FM (30°-60°)	7086.2	30.4			
FH (60°-80°)	3157.8	13.5			G2/5000
FVH (80°-90°)	32.5	0.1			G1/100
BL (0°-30°)	1377.4	5.9	B3/2500		
BM (30°-60°)	7086.2	30.4	B4/8500		
BH (60°-80°)	3157.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	32.5	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°	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2	2719.2
2.5°	2716.0	2716.0	2722.4	2727.2	2724.0	2736.8	2735.2	2732.0	2730.4	2725.6	2740.0
5°	2752.8	2752.8	2757.6	2762.4	2754.4	2770.3	2764.0	2760.8	2759.2	2752.8	2765.6
7.5°	2794.3	2799.1	2800.7	2808.7	2803.9	2821.5	2816.7	2810.3	2807.1	2799.1	2810.3
10°	2840.7	2843.9	2845.5	2859.9	2861.5	2882.2	2877.5	2869.5	2863.1	2855.1	2871.1
12.5°	2903.0	2904.6	2909.4	2927.0	2931.8	2947.8	2946.2	2935.0	2927.0	2915.8	2933.4
15°	2983.0	2984.6	2992.6	3010.1	3018.1	3037.3	3030.9	3013.3	3002.1	2989.4	3003.7
17.5°	3066.1	3072.5	3080.5	3098.1	3109.2	3131.6	3123.6	3104.5	3094.9	3082.1	3091.7
20°	3173.2	3174.8	3179.6	3198.8	3206.8	3232.3	3233.9	3214.8	3210.0	3197.2	3211.6
22.5°	3291.5	3293.1	3297.9	3318.7	3333.0	3349.0	3358.6	3347.4	3339.4	3323.5	3341.0
25°	3422.6	3438.6	3443.4	3468.9	3484.9	3494.5	3505.7	3500.9	3489.7	3470.5	3478.5
27.5°	3606.4	3609.6	3617.6	3646.4	3656.0	3665.6	3676.7	3678.3	3662.4	3640.0	3651.2
30°	3815.8	3814.2	3831.8	3854.2	3862.2	3870.2	3886.2	3895.8	3875.0	3851.0	3862.2
32.5°	4030.0	4049.2	4071.6	4092.4	4087.6	4090.8	4116.4	4133.9	4105.2	4062.0	4071.6
35°	4271.4	4284.2	4313.0	4343.4	4337.0	4332.2	4348.2	4365.7	4325.8	4269.8	4284.2
37.5°	4519.2	4538.4	4581.5	4618.3	4608.7	4586.3	4603.9	4623.1	4584.7	4520.8	4514.4
40°	4795.8	4826.1	4888.5	4918.8	4893.3	4850.1	4880.5	4926.8	4888.5	4814.9	4797.4
42.5°	5120.3	5157.0	5219.4	5265.7	5209.8	5139.4	5190.6	5257.7	5248.2	5150.6	5120.3
45°	5521.5	5545.5	5622.2	5644.6	5561.5	5464.0	5556.7	5659.0	5635.0	5529.5	5489.5
47.5°	5957.9	5994.7	6061.8	6103.4	5969.1	5847.6	5977.1	6114.6	6089.0	5989.9	5943.5
50°	6514.2	6562.2	6650.1	6685.3	6499.8	6360.8	6527.0	6701.3	6651.7	6519.0	6458.3
52.5°	7120.1	7158.5	7308.7	7379.1	7204.8	7054.6	7200.0	7371.1	7265.6	7089.7	7008.2
55°	7654.0	7692.4	7913.0	8146.4	8138.4	8034.5	8108.0	8111.2	7825.1	7534.1	7447.8
57.5°	7769.1	7807.5	8227.9	8838.6	9270.2	9390.1	9174.3	8720.3	7999.3	7489.4	7391.9
60°	7155.3	7198.4	7866.6	8982.4	10402.0	11202.9	10208.6	8707.5	7460.6	6770.0	6677.3
62.5°	5543.9	5590.3	6488.7	8164.0	10859.2	13017.3	10509.1	7791.5	6137.0	5262.5	5181.0
65°	2647.3	2647.3	3788.6	5855.6	9948.0	12974.1	9639.5	5764.5	3694.3	2837.5	2767.2
67.5°	655.4	658.6	975.1	2279.6	6766.8	10354.0	6877.1	2767.2	1301.2	920.8	896.8
70°	409.2	407.6	452.4	617.1	2367.5	6284.0	2811.9	834.5	529.1	466.8	463.6
72.5°	318.1	318.1	340.5	394.9	620.3	2140.5	820.1	463.6	383.7	345.3	345.3
75°	251.0	251.0	267.0	295.7	366.1	551.5	436.4	343.7	297.3	271.8	268.6
77.5°	187.0	190.2	203.0	222.2	249.4	310.1	276.6	259.0	231.8	212.6	206.2
80°	121.5	126.3	142.3	153.5	163.1	204.6	180.6	188.6	175.8	153.5	150.3
82.5°	65.5	67.1	86.3	89.5	92.7	111.9	115.1	119.9	124.7	97.5	91.1
85°	24.0	24.0	28.8	33.6	36.8	40.0	54.4	67.1	70.3	56.0	54.4
87.5°	4.8	4.8	4.8	3.2	3.2	3.2	9.6	17.6	28.8	22.4	22.4
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)