

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: P637851

Luminaire Tested: GWS-SA4D-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17385.7 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

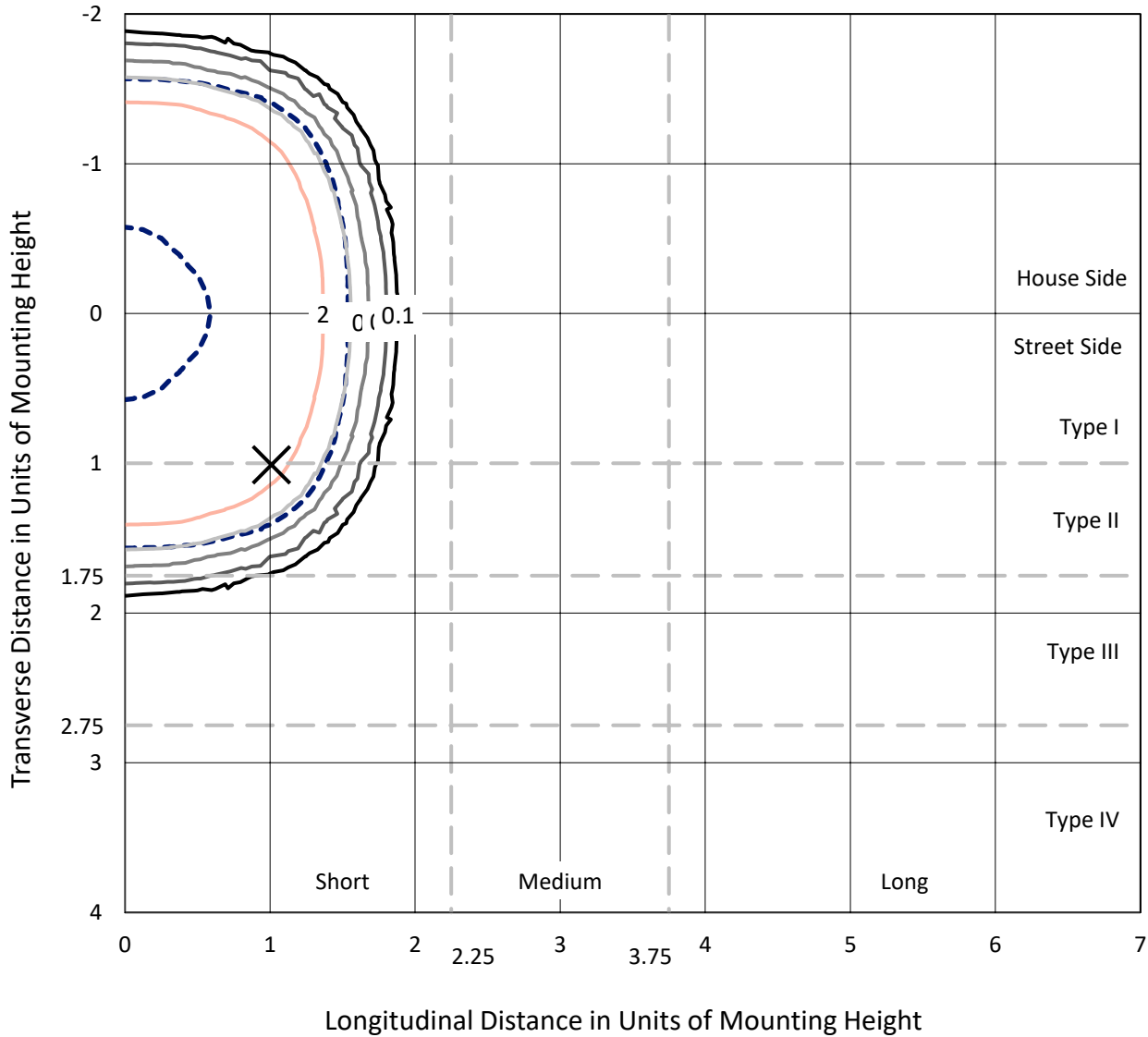


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Iso-Footcandle Lines of Horizontal Illumination

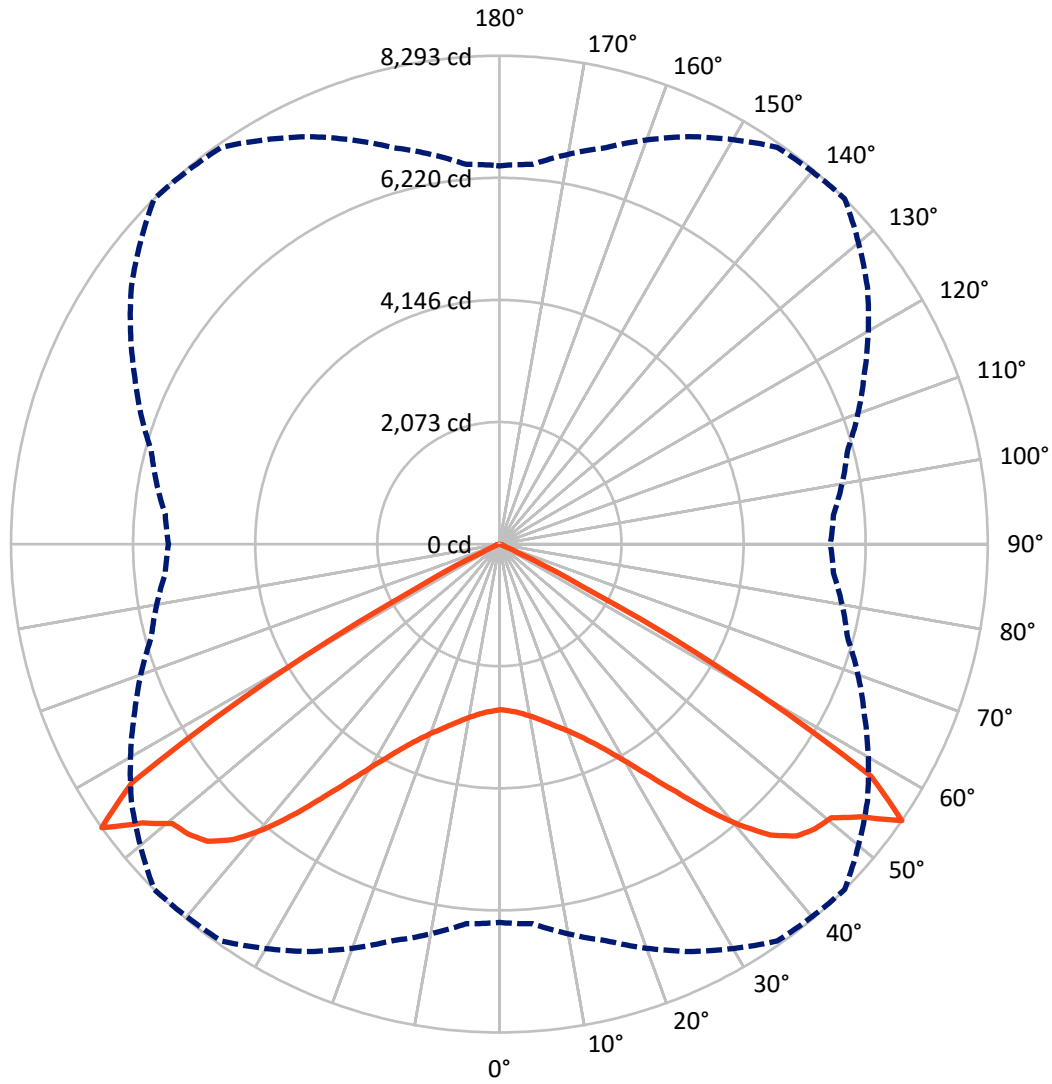
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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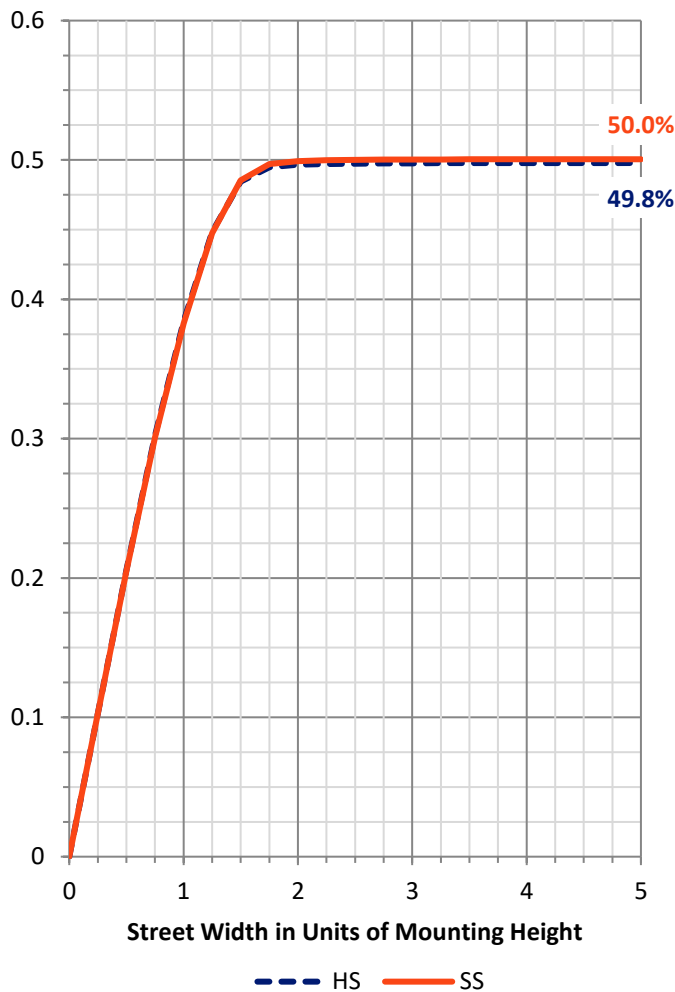
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8692.9	0.0	8692.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8692.9	0.0	8692.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17385.7	0.0	17385.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.4	1.6
10°-20°	892.7	5.1
20°-30°	1728.9	9.9
30°-40°	3097.5	17.8
40°-50°	5193.1	29.9
50°-60°	5559.0	32.0
60°-70°	610.9	3.5
70°-80°	26.9	0.2
80°-90°	1.3	0.0
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°	17385.7	100.0
0°-180°	17385.7	100.0

Coefficient of Utilization



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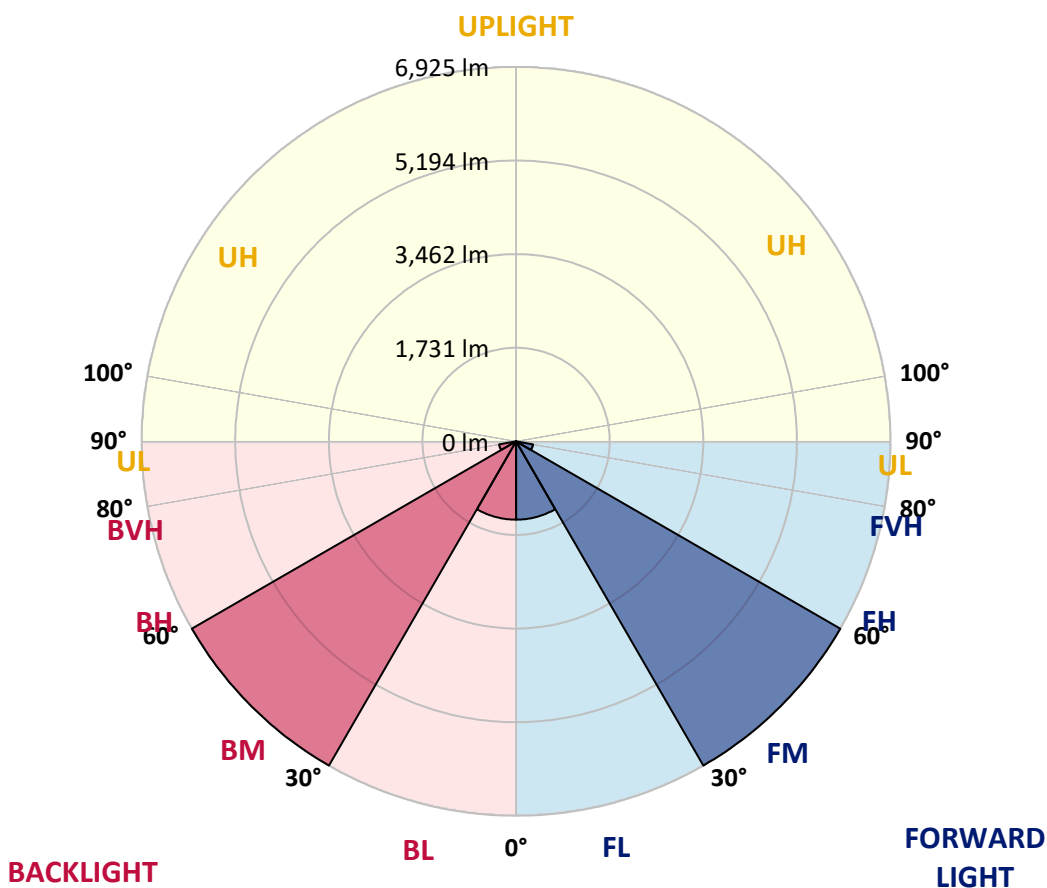
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1448.5	8.3			
FM (30°-60°)	6924.8	39.8			
FH (60°-80°)	318.9	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1448.5	8.3	B3/2500		
BM (30°-60°)	6924.8	39.8	B4/8500		
BH (60°-80°)	318.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9	2810.9
2.5°	2805.6	2805.6	2812.7	2818.0	2818.0	2832.2	2826.9	2821.6	2821.6	2814.5	2828.6
5°	2846.4	2844.6	2851.7	2855.2	2848.1	2862.3	2853.4	2848.1	2844.6	2837.5	2851.7
7.5°	2890.6	2892.4	2894.2	2901.3	2897.7	2911.9	2904.8	2894.2	2890.6	2880.0	2894.2
10°	2943.8	2943.8	2947.3	2956.2	2957.9	2975.7	2968.6	2956.2	2945.5	2934.9	2949.1
12.5°	3011.1	3012.9	3018.2	3030.6	3037.6	3057.1	3046.5	3021.7	3005.8	2993.4	3009.3
15°	3108.5	3106.7	3113.8	3131.5	3140.4	3154.6	3138.6	3105.0	3085.5	3071.3	3081.9
17.5°	3214.8	3214.8	3218.3	3236.0	3248.4	3269.7	3250.2	3209.5	3191.7	3172.3	3182.9
20°	3331.7	3337.0	3340.5	3352.9	3374.2	3395.4	3379.5	3338.8	3319.3	3294.5	3306.9
22.5°	3485.8	3480.5	3482.2	3503.5	3533.6	3554.8	3542.4	3494.6	3461.0	3441.5	3448.6
25°	3657.6	3655.8	3661.1	3693.0	3726.7	3749.7	3732.0	3670.0	3636.3	3602.7	3616.8
27.5°	3868.4	3870.1	3873.7	3912.6	3965.8	3999.4	3955.1	3893.2	3847.1	3802.8	3813.4
30°	4118.1	4114.6	4125.2	4178.3	4256.3	4309.4	4258.0	4171.2	4105.7	4063.2	4068.5
32.5°	4383.8	4387.3	4415.7	4500.7	4603.4	4697.3	4592.8	4477.7	4392.6	4312.9	4323.6
35°	4670.7	4679.6	4743.3	4869.1	5037.4	5163.1	5017.9	4828.4	4707.9	4605.2	4608.7
37.5°	5009.0	5030.3	5118.8	5306.6	5547.5	5715.7	5503.2	5251.7	5095.8	4968.3	4959.4
40°	5453.6	5478.4	5598.8	5822.0	6114.3	6268.4	6022.2	5763.6	5570.5	5432.3	5411.1
42.5°	5963.7	5995.6	6126.7	6355.2	6647.4	6751.9	6511.0	6293.2	6119.6	5956.6	5949.5
45°	6539.4	6557.1	6663.3	6838.7	7049.5	7074.3	6893.6	6773.2	6597.8	6445.5	6433.1
47.5°	7079.6	7097.3	7169.9	7260.2	7309.8	7221.3	7189.4	7136.3	6909.5	6721.8	6682.8
50°	7490.5	7504.7	7595.0	7630.4	7492.3	7304.5	7366.5	7253.2	7007.0	6796.2	6736.0
52.5°	7462.2	7497.6	7729.6	7931.5	7844.8	7692.4	7525.9	7281.5	6898.9	6610.2	6535.8
55°	6424.2	6472.1	6969.8	7634.0	8227.3	8292.9	7626.9	6838.7	6119.6	5696.3	5620.1
57.5°	4128.7	4141.1	4748.7	5680.3	7017.6	7439.1	6325.0	5156.0	4261.6	3795.7	3763.9
60°	1517.9	1493.1	1951.9	2724.1	4041.9	4488.3	3723.1	2607.2	1859.8	1530.3	1503.8
62.5°	364.9	368.4	457.0	685.5	1268.2	1569.3	1239.9	692.5	441.0	370.2	366.6
65°	184.2	180.7	182.4	196.6	271.0	324.1	265.7	187.7	180.7	182.4	180.7
67.5°	118.7	116.9	120.4	122.2	120.4	113.4	111.6	115.1	115.1	116.9	113.4
70°	72.6	70.8	74.4	79.7	76.2	67.3	70.8	74.4	70.8	69.1	69.1
72.5°	39.0	39.0	42.5	46.1	42.5	39.0	39.0	40.7	39.0	39.0	39.0
75°	17.7	17.7	19.5	21.3	17.7	17.7	17.7	17.7	17.7	17.7	17.7
77.5°	5.3	5.3	7.1	7.1	5.3	5.3	5.3	5.3	7.1	7.1	7.1
80°	1.8	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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)