

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: P636201

Luminaire Tested: GWS-SA3F-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636201
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-SA3F-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16969.6 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

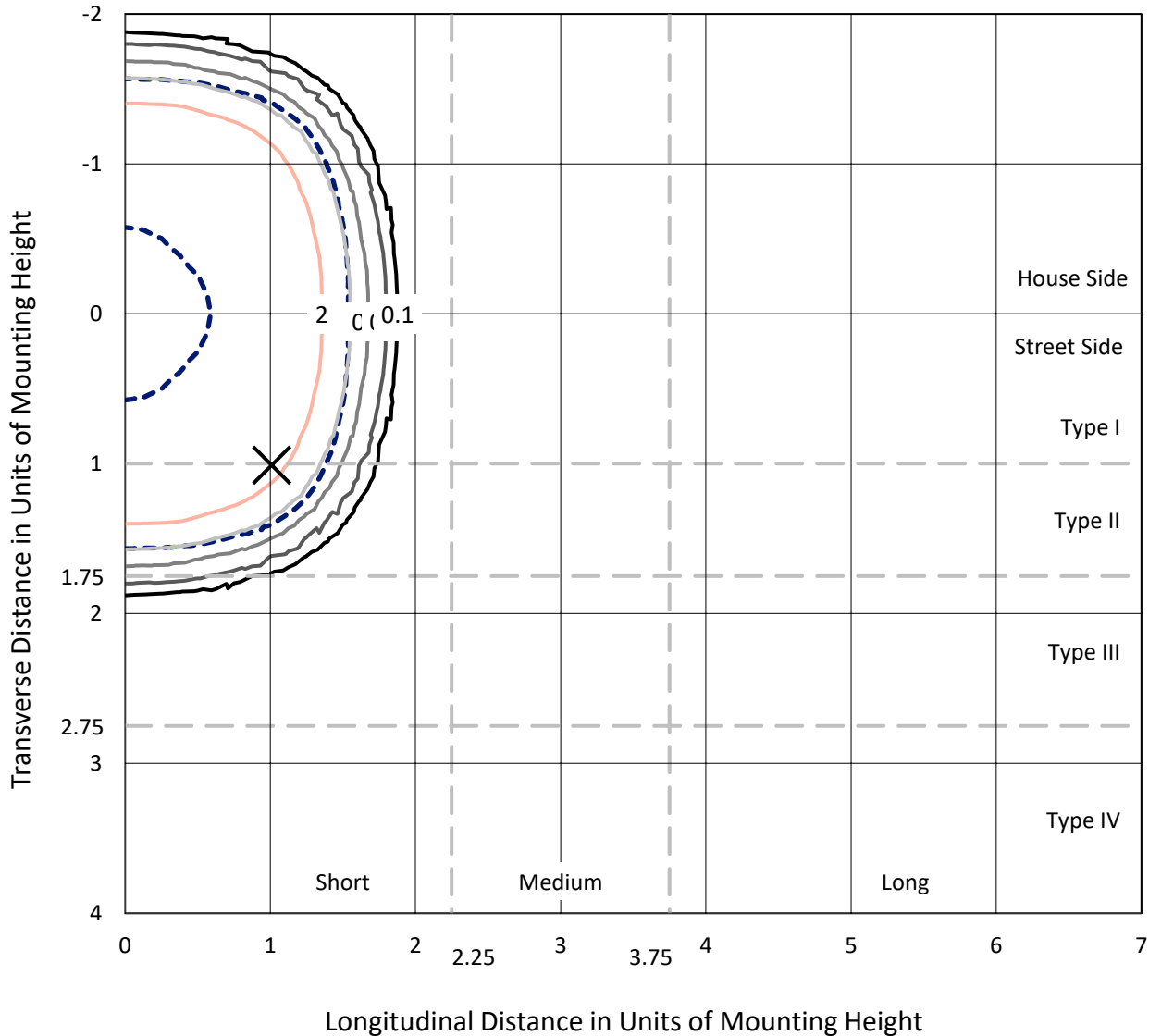
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

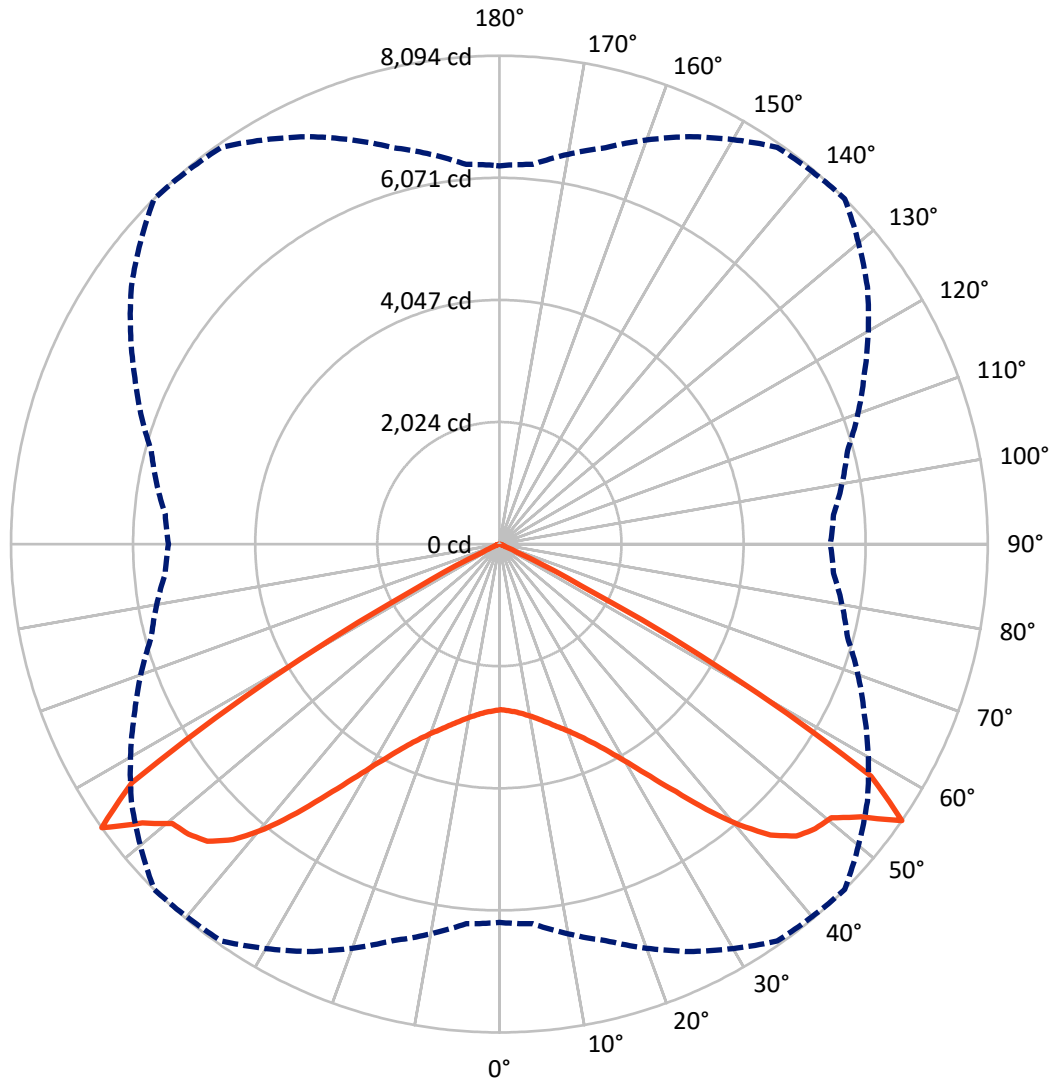
✕ Max cd
 - - - 1/2 Max cd



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 55-Deg Vertical

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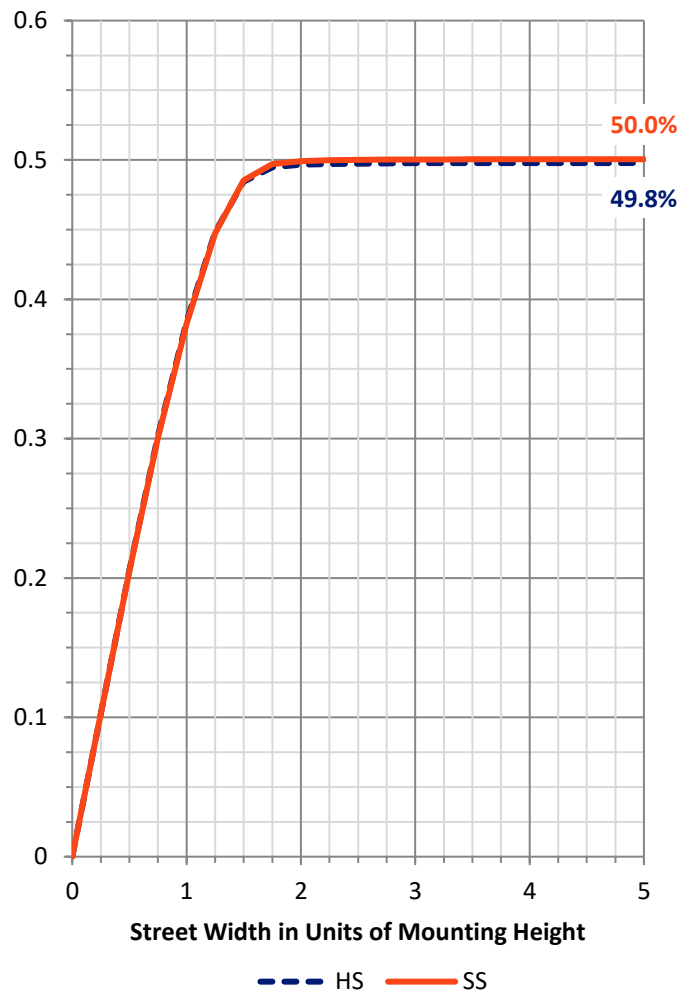
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8484.8	0.0	8484.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8484.8	0.0	8484.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16969.6	0.0	16969.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	1.6
10°-20°	871.4	5.1
20°-30°	1687.6	9.9
30°-40°	3023.3	17.8
40°-50°	5068.8	29.9
50°-60°	5426.0	32.0
60°-70°	596.2	3.5
70°-80°	26.2	0.2
80°-90°	1.2	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°	16969.6	100.0
0°-180°	16969.6	100.0

Coefficient of Utilization



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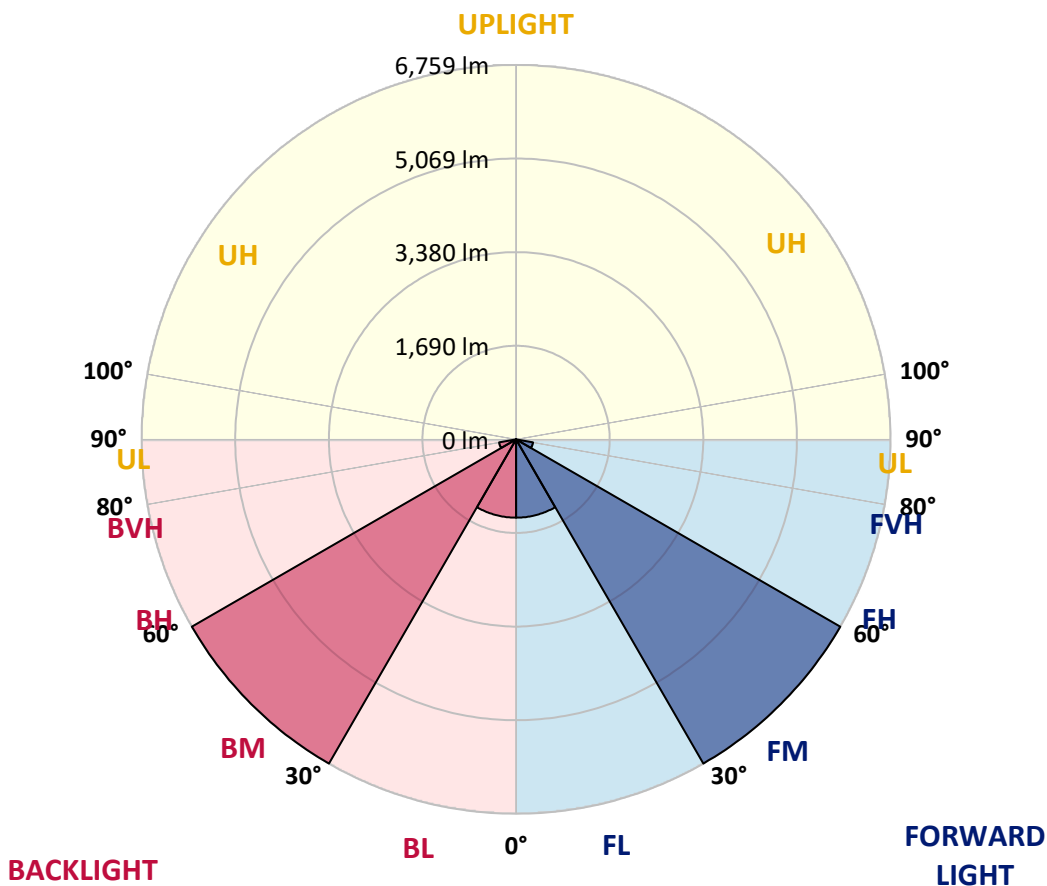
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1413.9	8.3			
FM (30°-60°)	6759.1	39.8			
FH (60°-80°)	311.2	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1413.9	8.3	B3/2500		
BM (30°-60°)	6759.1	39.8	B4/8500		
BH (60°-80°)	311.2	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°	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7	2743.7
2.5°	2738.5	2738.5	2745.4	2750.6	2750.6	2764.4	2759.2	2754.0	2754.0	2747.1	2760.9
5°	2778.2	2776.5	2783.4	2786.9	2780.0	2793.8	2785.1	2780.0	2776.5	2769.6	2783.4
7.5°	2821.5	2823.2	2824.9	2831.8	2828.4	2842.2	2835.3	2824.9	2821.5	2811.1	2824.9
10°	2873.3	2873.3	2876.8	2885.4	2887.2	2904.4	2897.5	2885.4	2875.0	2864.7	2878.5
12.5°	2939.0	2940.7	2945.9	2958.0	2964.9	2984.0	2973.6	2949.4	2933.8	2921.7	2937.3
15°	3034.1	3032.4	3039.3	3056.6	3065.2	3079.1	3063.5	3030.6	3011.6	2997.8	3008.2
17.5°	3137.8	3137.8	3141.3	3158.6	3170.7	3191.4	3172.4	3132.6	3115.4	3096.3	3106.7
20°	3251.9	3257.1	3260.6	3272.7	3293.4	3314.2	3298.6	3258.8	3239.8	3215.6	3227.7
22.5°	3402.3	3397.2	3398.9	3419.6	3449.0	3469.8	3457.7	3411.0	3378.1	3359.1	3366.0
25°	3570.0	3568.3	3573.5	3604.6	3637.5	3659.9	3642.7	3582.1	3549.3	3516.4	3530.3
27.5°	3775.8	3777.5	3781.0	3819.0	3870.9	3903.7	3860.5	3800.0	3755.0	3711.8	3722.2
30°	4019.5	4016.1	4026.5	4078.3	4154.4	4206.2	4156.1	4071.4	4007.4	3965.9	3971.1
32.5°	4278.9	4282.3	4310.0	4393.0	4493.2	4584.9	4482.9	4370.5	4287.5	4209.7	4220.1
35°	4558.9	4567.6	4629.8	4752.6	4916.8	5039.5	4897.8	4712.8	4595.2	4495.0	4498.4
37.5°	4889.1	4909.9	4996.3	5179.6	5414.7	5578.9	5371.5	5126.0	4973.9	4849.4	4840.7
40°	5323.1	5347.3	5464.8	5682.7	5967.9	6118.3	5878.0	5625.6	5437.2	5302.3	5281.6
42.5°	5821.0	5852.1	5980.0	6203.1	6488.3	6590.3	6355.2	6142.5	5973.1	5814.1	5807.1
45°	6382.8	6400.1	6503.9	6675.0	6880.8	6905.0	6728.6	6611.1	6439.9	6291.2	6279.1
47.5°	6910.1	6927.4	6998.3	7086.5	7134.9	7048.5	7017.3	6965.5	6744.2	6560.9	6522.9
50°	7311.2	7325.1	7413.2	7447.8	7313.0	7129.7	7190.2	7079.6	6839.3	6633.5	6574.8
52.5°	7283.6	7318.1	7544.6	7741.7	7657.0	7508.3	7345.8	7107.2	6733.8	6452.0	6379.4
55°	6270.5	6317.2	6803.0	7451.3	8030.4	8094.4	7444.4	6675.0	5973.1	5559.9	5485.6
57.5°	4029.9	4042.0	4635.0	5544.4	6849.6	7261.1	6173.7	5032.6	4159.6	3704.9	3673.8
60°	1481.6	1457.4	1905.2	2658.9	3945.2	4380.9	3634.0	2544.8	1815.3	1493.7	1467.8
62.5°	356.1	359.6	446.0	669.1	1237.8	1531.7	1210.2	676.0	430.5	361.3	357.9
65°	179.8	176.3	178.1	191.9	264.5	316.4	259.3	183.3	176.3	178.1	176.3
67.5°	115.8	114.1	117.6	119.3	117.6	110.6	108.9	112.4	112.4	114.1	110.6
70°	70.9	69.2	72.6	77.8	74.3	65.7	69.2	72.6	69.2	67.4	67.4
72.5°	38.0	38.0	41.5	44.9	41.5	38.0	38.0	39.8	38.0	38.0	38.0
75°	17.3	17.3	19.0	20.7	17.3	17.3	17.3	17.3	17.3	17.3	17.3
77.5°	5.2	5.2	6.9	6.9	5.2	5.2	5.2	5.2	6.9	6.9	6.9
80°	1.7	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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)