

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: P635542

Luminaire Tested: GWS-SA3E-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14685.2 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

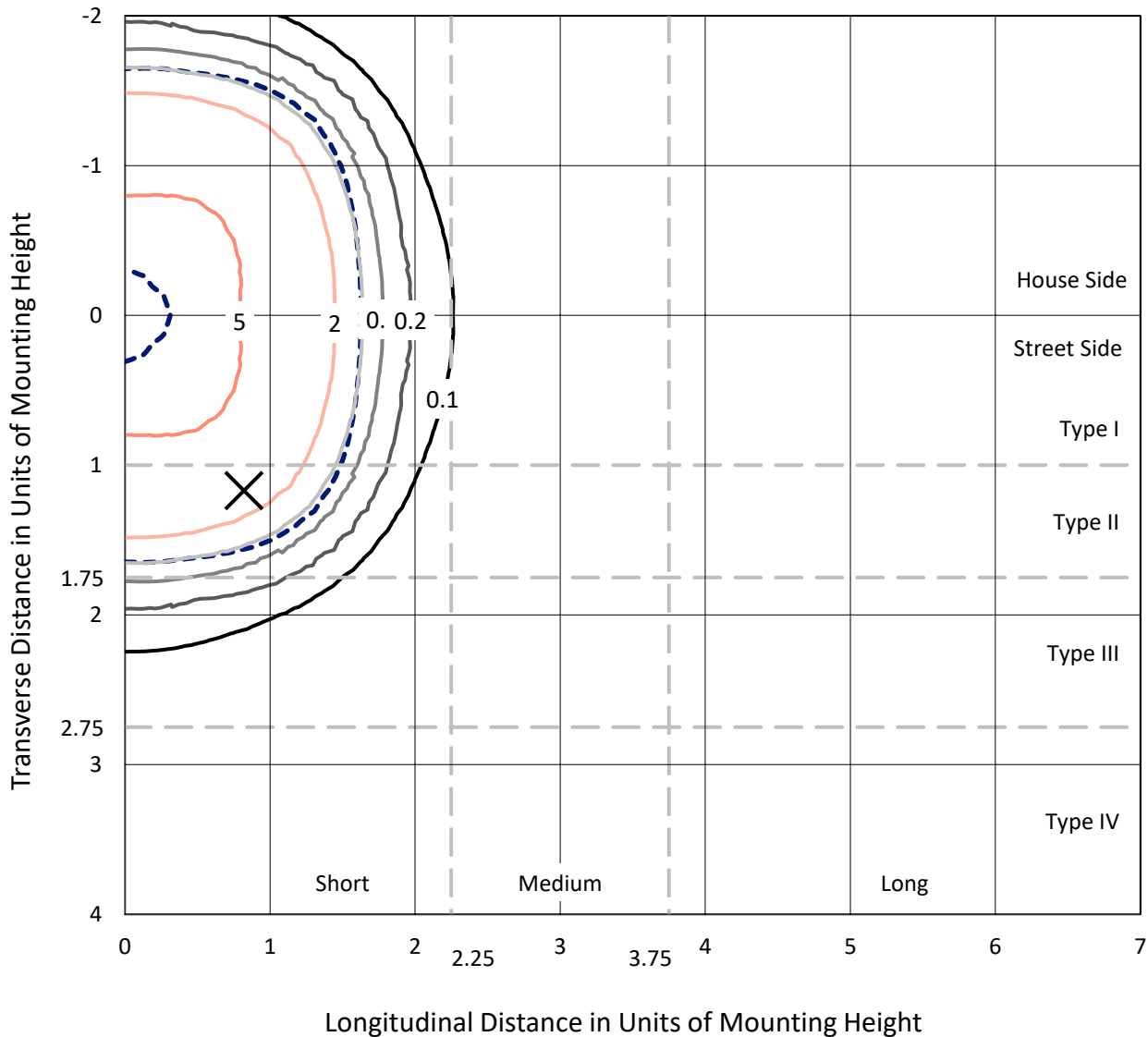
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

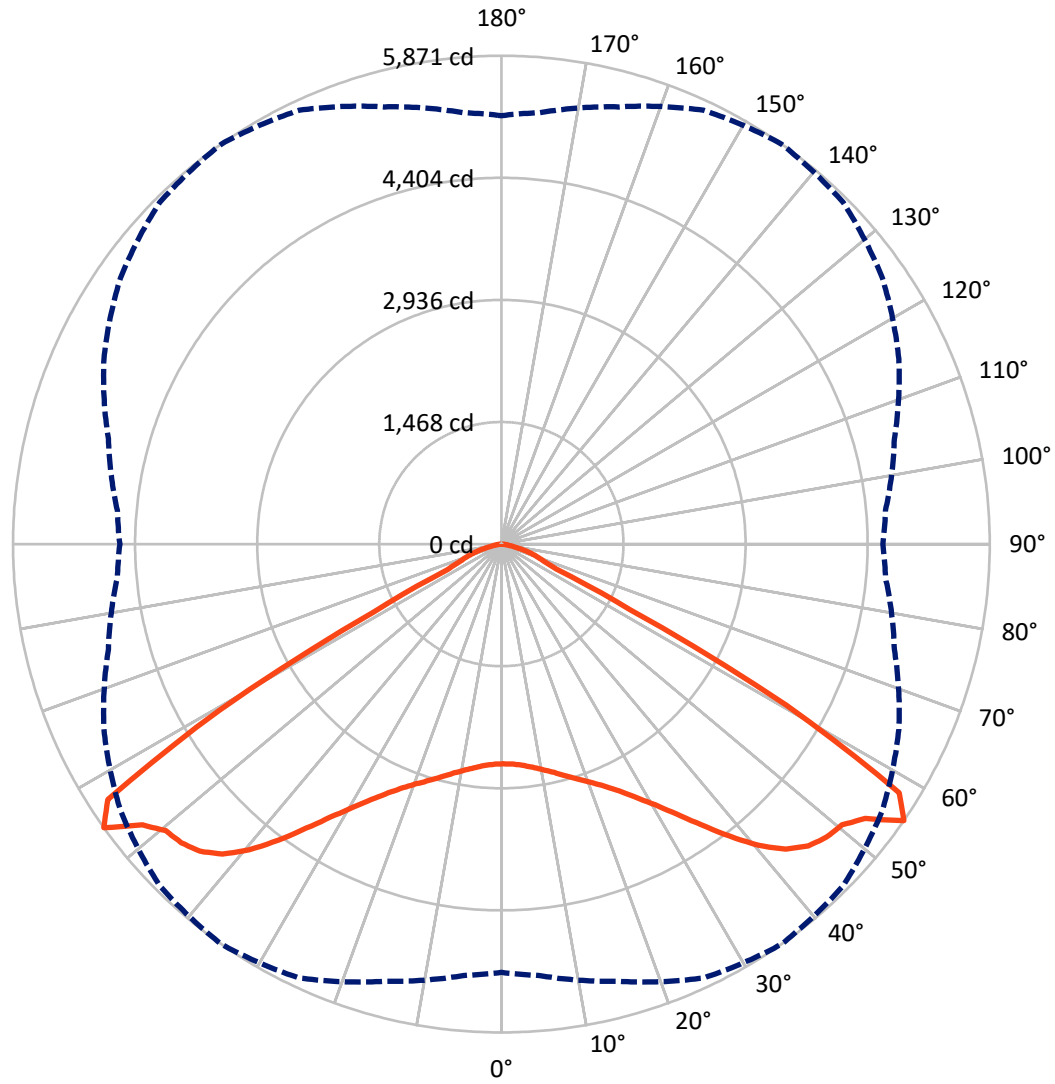
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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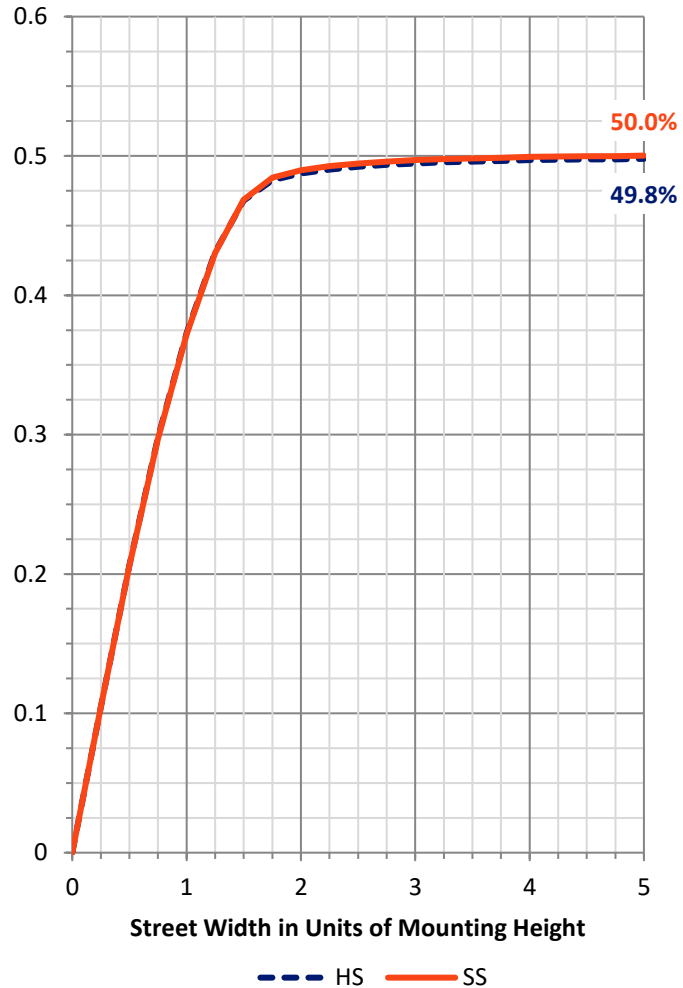
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7342.6	0.0	7342.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7342.6	0.0	7342.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14685.2	0.0	14685.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.7	1.8
10°-20°	820.4	5.6
20°-30°	1518.4	10.3
30°-40°	2540.0	17.3
40°-50°	3870.6	26.4
50°-60°	4335.8	29.5
60°-70°	1025.9	7.0
70°-80°	276.6	1.9
80°-90°	39.8	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°	14685.2	100.0
0°-180°	14685.2	100.0

Coefficient of Utilization



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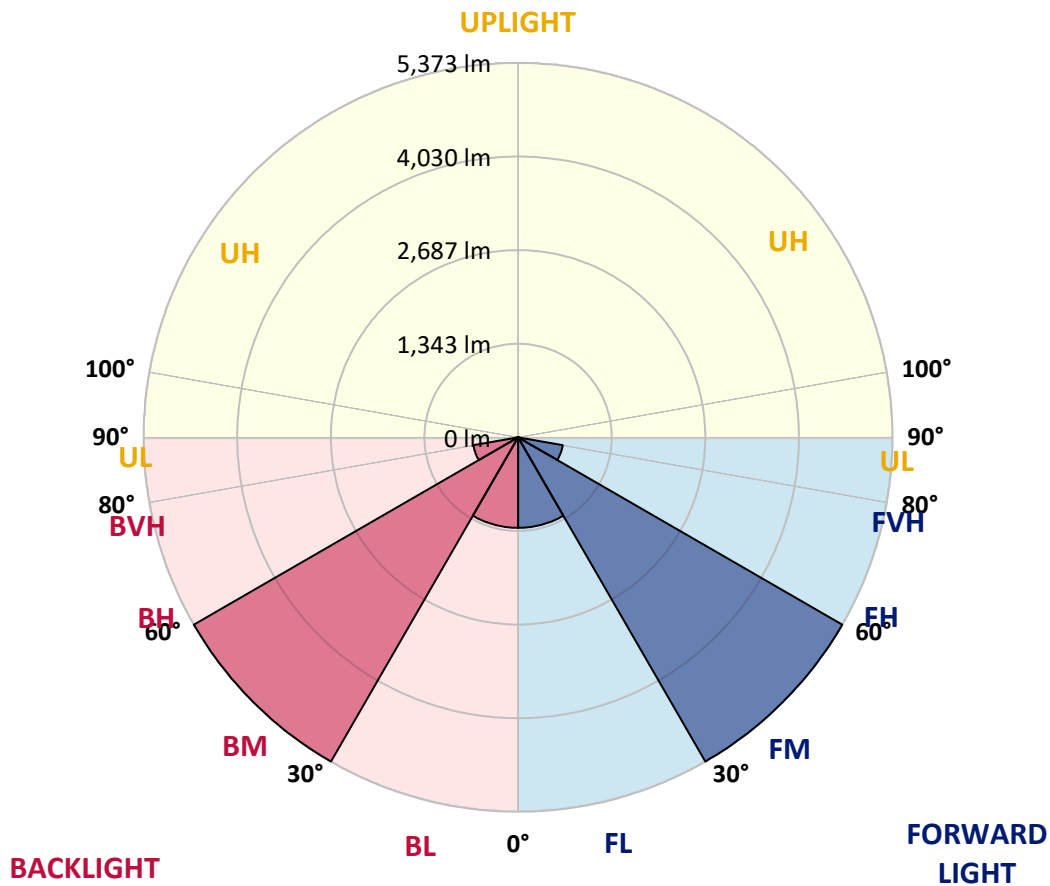
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1298.3	8.8			
FM (30°-60°)	5373.2	36.6			
FH (60°-80°)	651.2	4.4			G0/660
FVH (80°-90°)	19.9	0.1			G1/100
BL (0°-30°)	1298.3	8.8	B3/2500		
BM (30°-60°)	5373.2	36.6	B4/8500		
BH (60°-80°)	651.2	4.4	B2/1000		G0/660
BVH (80°-90°)	19.9	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9
2.5°	2636.1	2636.1	2640.7	2646.6	2647.7	2659.3	2657.0	2652.4	2650.0	2645.4	2655.8
5°	2665.1	2666.3	2669.8	2673.3	2670.9	2680.2	2676.7	2670.9	2667.5	2661.6	2672.1
7.5°	2703.5	2703.5	2706.9	2711.6	2709.3	2723.2	2716.2	2708.1	2702.3	2695.3	2704.6
10°	2738.3	2740.6	2744.1	2753.4	2758.0	2773.1	2768.5	2756.9	2747.6	2739.5	2749.9
12.5°	2790.6	2792.9	2796.4	2809.1	2817.3	2832.4	2825.4	2809.1	2795.2	2783.6	2795.2
15°	2857.9	2855.6	2864.9	2881.1	2891.6	2905.5	2897.4	2869.5	2850.9	2835.8	2847.5
17.5°	2926.4	2925.3	2934.5	2955.5	2970.5	2989.1	2975.2	2942.7	2922.9	2904.4	2916.0
20°	3000.7	3004.2	3013.5	3033.3	3055.3	3079.7	3068.1	3033.3	3011.2	2990.3	2999.6
22.5°	3092.5	3093.6	3104.1	3129.6	3158.7	3181.9	3174.9	3132.0	3104.1	3082.0	3093.6
25°	3202.8	3201.6	3215.6	3245.8	3286.4	3309.6	3294.5	3246.9	3216.7	3191.2	3200.5
27.5°	3329.4	3328.2	3349.1	3388.6	3446.7	3479.2	3447.8	3388.6	3346.8	3310.8	3318.9
30°	3488.5	3485.0	3508.2	3561.6	3637.1	3691.7	3645.3	3562.8	3508.2	3469.9	3478.0
32.5°	3665.0	3669.6	3698.7	3770.7	3865.9	3936.7	3867.1	3775.3	3702.2	3646.4	3655.7
35°	3858.9	3858.9	3918.2	4007.6	4143.4	4237.5	4129.5	3997.1	3899.6	3822.9	3825.2
37.5°	4074.9	4077.2	4155.1	4278.1	4455.8	4566.1	4419.8	4256.1	4137.6	4055.2	4050.5
40°	4338.5	4345.5	4425.6	4562.7	4762.4	4863.4	4706.7	4546.4	4425.6	4328.1	4318.8
42.5°	4635.8	4638.1	4722.9	4846.0	5014.4	5074.8	4951.7	4820.5	4721.8	4633.5	4624.2
45°	4919.2	4913.4	4986.5	5078.3	5175.8	5181.6	5113.1	5059.7	4973.8	4898.3	4884.3
47.5°	5139.8	5135.2	5201.4	5251.3	5262.9	5206.0	5228.1	5236.2	5136.3	5034.1	5007.4
50°	5274.5	5283.8	5346.5	5374.4	5305.9	5213.0	5296.6	5275.7	5132.8	4999.3	4956.3
52.5°	5355.8	5369.7	5478.9	5549.7	5478.9	5390.7	5402.3	5279.2	5073.6	4897.1	4841.4
55°	5150.3	5206.0	5441.7	5755.3	5871.4	5809.9	5589.2	5272.2	4891.3	4634.7	4587.0
57.5°	3817.1	3905.4	4254.9	4934.3	5640.3	5864.5	5219.9	4419.8	3842.7	3512.9	3485.0
60°	1948.6	2047.3	2327.2	3025.1	3933.2	4249.1	3636.0	2830.0	2249.4	1982.3	1952.1
62.5°	795.5	811.7	903.5	1172.9	1738.4	2005.5	1761.7	1236.8	929.0	855.9	857.0
65°	625.9	629.4	624.8	641.0	728.1	808.2	746.7	656.1	639.9	648.0	642.2
67.5°	545.8	547.0	543.5	543.5	547.0	543.5	550.4	553.9	556.3	565.5	559.7
70°	456.4	457.5	457.5	459.9	458.7	452.9	463.3	468.0	469.2	475.0	471.5
72.5°	353.0	356.5	358.8	360.0	358.8	355.4	361.2	369.3	368.1	373.9	368.1
75°	239.2	243.9	246.2	250.8	249.7	249.7	256.6	260.1	256.6	261.3	256.6
77.5°	135.9	139.4	146.3	151.0	155.6	159.1	163.7	166.1	164.9	167.2	164.9
80°	79.0	80.1	85.9	88.3	94.1	99.9	104.5	106.8	108.0	109.2	108.0
82.5°	45.3	46.5	48.8	51.1	55.7	60.4	65.0	68.5	68.5	69.7	68.5
85°	22.1	22.1	23.2	24.4	26.7	30.2	33.7	37.2	38.3	38.3	38.3
87.5°	3.5	3.5	4.6	4.6	5.8	7.0	9.3	11.6	12.8	12.8	12.8
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)