

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: P639505

Luminaire Tested: GWS-SA5C-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14813.5 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

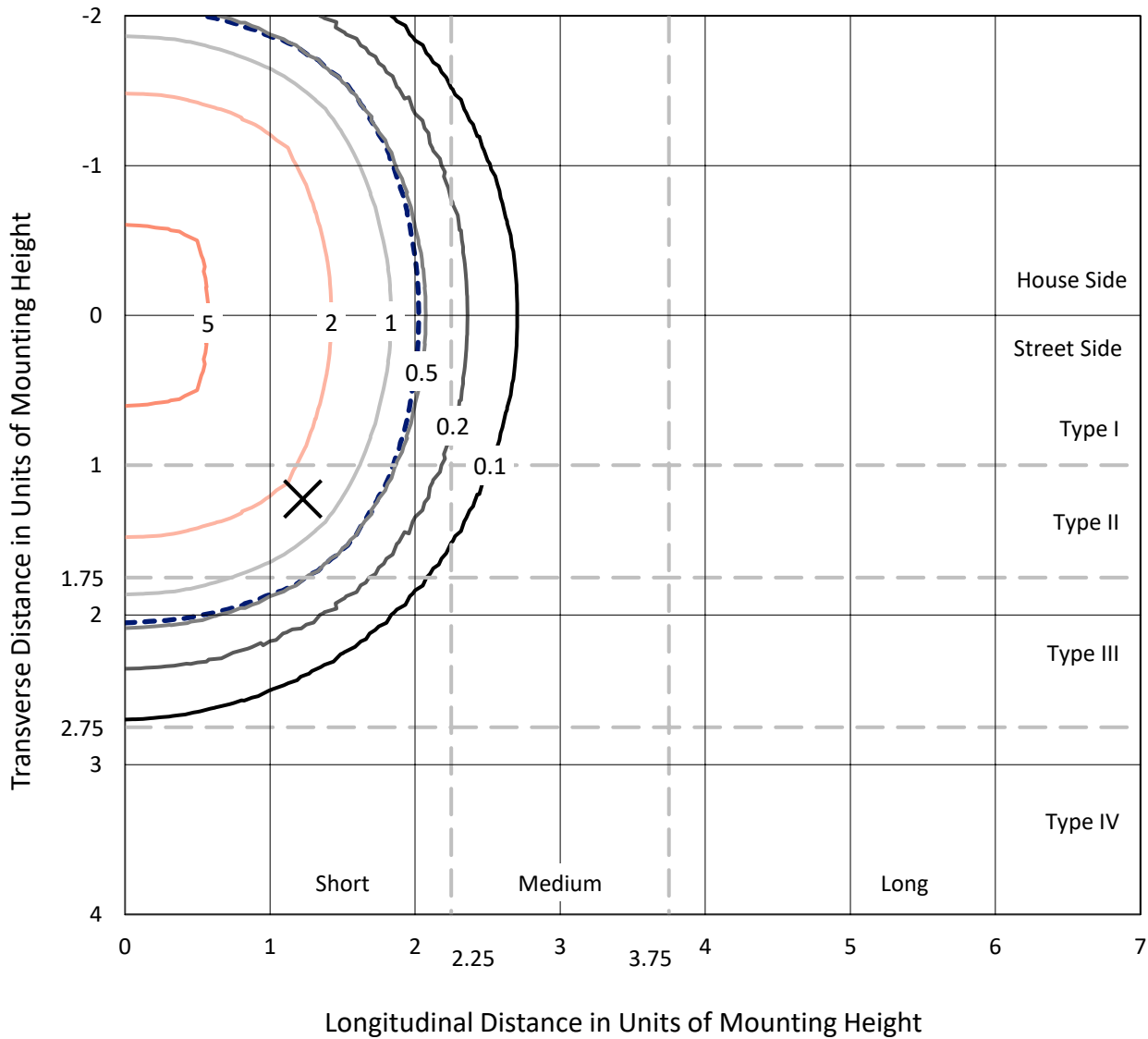
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

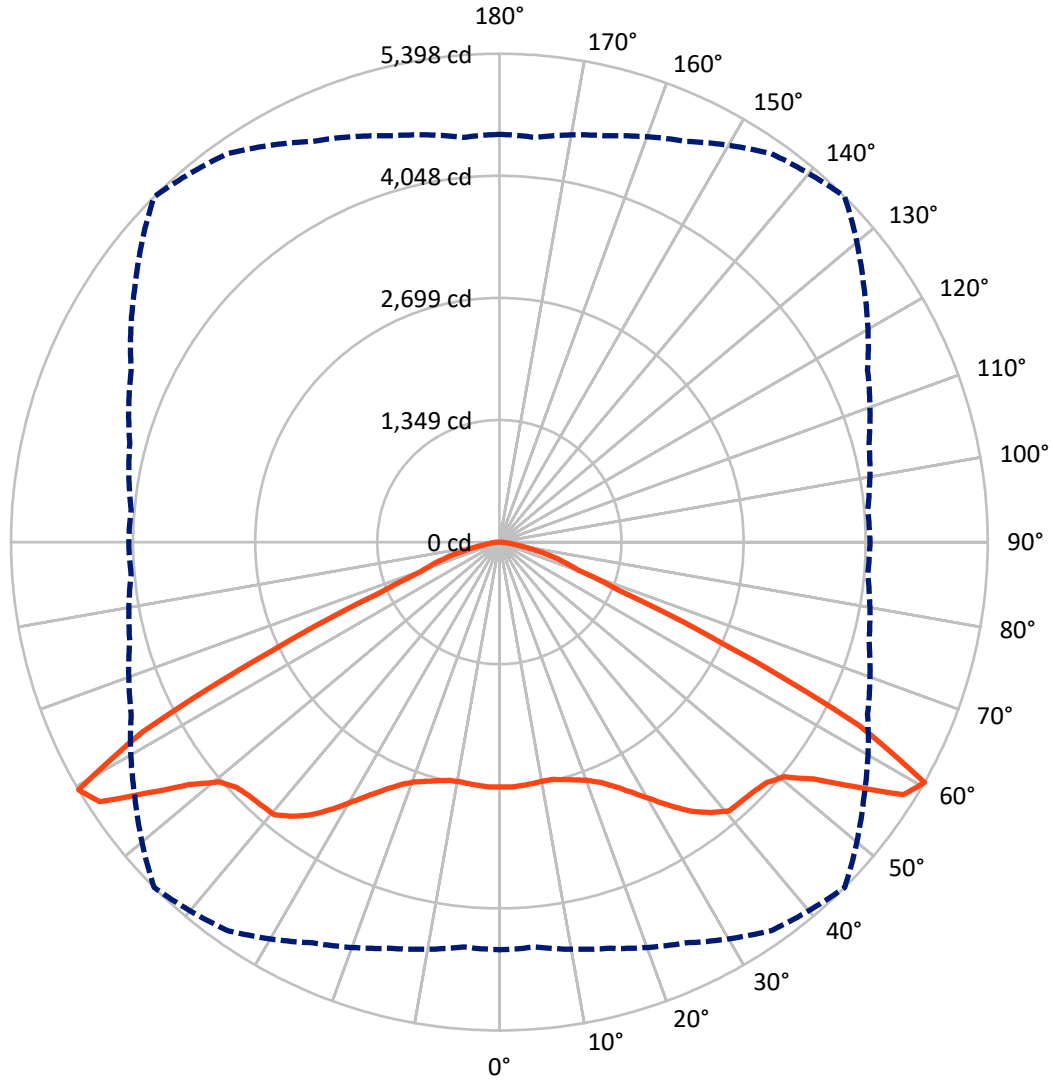
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7406.7	0.0	7406.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7406.7	0.0	7406.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14813.5	0.0	14813.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	1.7
10°-20°	772.2	5.2
20°-30°	1366.2	9.2
30°-40°	2199.6	14.8
40°-50°	3023.3	20.4
50°-60°	4028.8	27.2
60°-70°	2510.9	17.0
70°-80°	577.4	3.9
80°-90°	78.3	0.5
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°	14813.5	100.0
0°-180°	14813.5	100.0

Coefficient of Utilization



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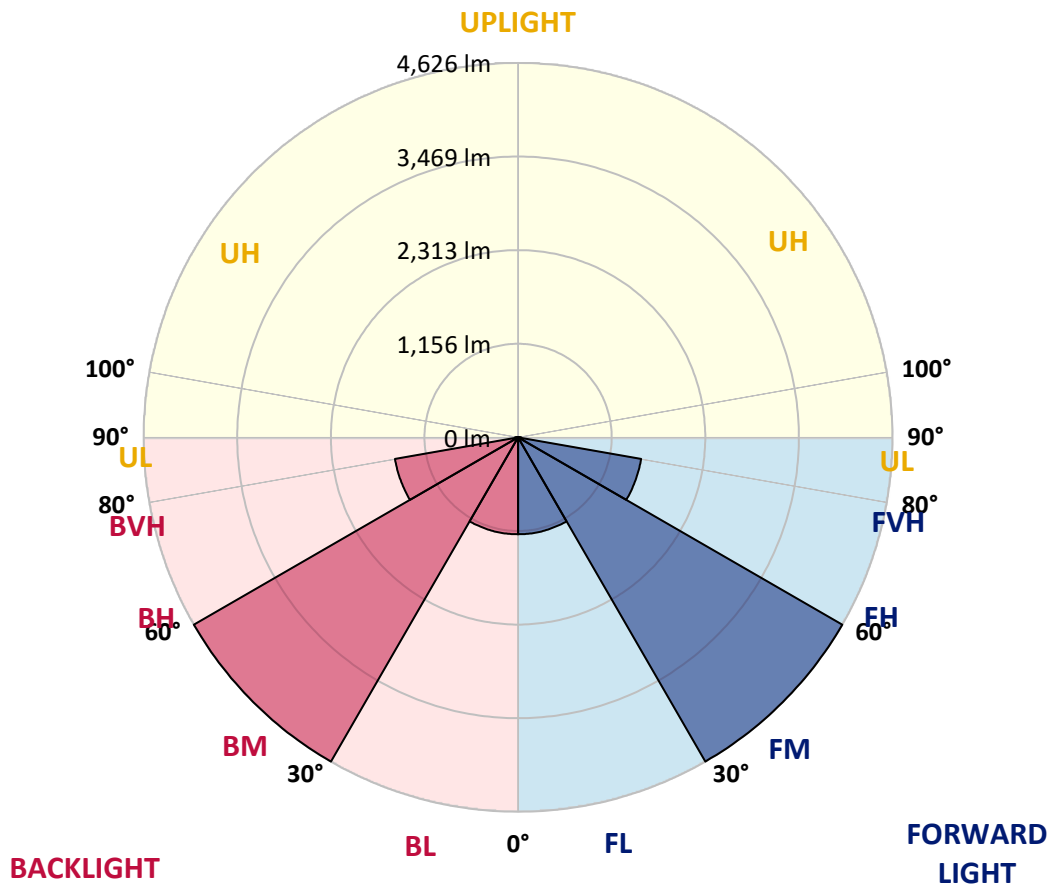
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1197.6	8.1			
FM (30°-60°)	4625.8	31.2			
FH (60°-80°)	1544.2	10.4			G1/1800
FVH (80°-90°)	39.2	0.3			G1/100
BL (0°-30°)	1197.6	8.1	B3/2500		
BM (30°-60°)	4625.8	31.2	B3/5000		
BH (60°-80°)	1544.2	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1	2707.1
2.5°	2688.3	2690.8	2695.8	2699.6	2704.6	2709.7	2712.2	2707.1	2704.6	2694.6	2705.9
5°	2690.8	2693.3	2697.1	2697.1	2698.3	2702.1	2702.1	2695.8	2689.5	2678.2	2690.8
7.5°	2687.0	2689.5	2690.8	2689.5	2690.8	2692.1	2689.5	2682.0	2675.7	2665.7	2675.7
10°	2680.7	2683.3	2685.8	2683.3	2680.7	2684.5	2684.5	2679.5	2675.7	2665.7	2677.0
12.5°	2694.6	2698.3	2699.6	2693.3	2690.8	2692.1	2692.1	2687.0	2687.0	2678.2	2690.8
15°	2727.3	2729.8	2726.0	2718.5	2719.7	2723.5	2714.7	2702.1	2699.6	2695.8	2705.9
17.5°	2752.4	2754.9	2751.2	2746.1	2754.9	2763.7	2747.4	2723.5	2715.9	2713.4	2724.7
20°	2780.1	2783.8	2778.8	2785.1	2802.7	2812.8	2792.6	2760.0	2744.9	2741.1	2754.9
22.5°	2825.3	2830.4	2830.4	2844.2	2870.6	2887.0	2861.8	2817.8	2795.2	2788.9	2802.7
25°	2897.0	2900.8	2904.6	2932.2	2975.0	2997.6	2957.4	2897.0	2865.6	2855.5	2863.1
27.5°	2996.3	3002.6	3008.9	3049.2	3102.0	3134.7	3076.8	3001.4	2962.4	2942.3	2957.4
30°	3114.5	3123.3	3138.4	3183.7	3257.9	3294.3	3220.2	3128.4	3084.4	3063.0	3083.1
32.5°	3275.5	3276.7	3288.1	3338.4	3436.4	3477.9	3384.9	3283.0	3237.8	3212.6	3223.9
35°	3466.6	3467.9	3450.3	3501.8	3607.4	3654.0	3544.6	3441.5	3403.7	3396.2	3425.1
37.5°	3662.8	3651.4	3633.8	3656.5	3763.3	3793.5	3677.8	3589.8	3573.5	3587.3	3630.1
40°	3802.3	3783.5	3748.3	3764.6	3872.7	3907.9	3784.7	3701.7	3696.7	3730.7	3782.2
42.5°	3892.9	3872.7	3831.2	3831.2	3905.4	3920.5	3825.0	3781.0	3792.3	3831.2	3880.3
45°	3936.9	3925.6	3901.7	3889.1	3930.6	3936.9	3863.9	3846.3	3867.7	3886.6	3924.3
47.5°	3970.8	3970.8	3963.3	3950.7	3969.6	3973.3	3919.3	3914.2	3941.9	3941.9	3967.0
50°	4031.2	4037.5	4047.5	4045.0	4065.1	4077.7	4037.5	4029.9	4041.2	4004.8	4017.3
52.5°	4189.6	4205.9	4234.9	4257.5	4309.1	4348.0	4276.4	4216.0	4156.9	4076.4	4079.0
55°	4473.8	4481.3	4537.9	4604.5	4691.3	4770.5	4623.4	4436.0	4307.8	4213.5	4214.7
57.5°	4713.9	4725.2	4808.2	4947.8	5142.7	5265.9	4940.3	4627.2	4446.1	4330.4	4334.2
60°	4506.5	4491.4	4648.5	4887.4	5240.8	5397.9	4917.6	4490.1	4229.8	4086.5	4096.6
62.5°	3486.7	3457.8	3632.6	3882.8	4306.5	4463.7	4021.1	3611.2	3364.8	3252.9	3236.5
65°	2122.5	2096.1	2221.8	2375.2	2661.9	2761.2	2558.8	2341.2	2126.2	2058.3	2039.5
67.5°	1155.5	1151.8	1185.7	1261.2	1386.9	1433.4	1394.4	1291.3	1236.0	1188.2	1188.2
70°	916.6	909.1	902.8	904.1	915.4	921.7	922.9	917.9	924.2	925.4	920.4
72.5°	759.5	756.9	744.4	745.6	740.6	738.1	746.9	751.9	762.0	763.2	763.2
75°	550.7	544.4	550.7	552.0	547.0	547.0	553.2	552.0	557.0	559.5	545.7
77.5°	313.1	313.1	321.9	331.9	339.5	339.5	345.8	345.8	352.1	350.8	348.3
80°	172.3	172.3	177.3	183.6	191.1	198.7	205.0	206.2	210.0	208.7	205.0
82.5°	98.1	99.3	101.8	105.6	113.2	119.5	125.7	127.0	130.8	130.8	127.0
85°	46.5	45.3	46.5	49.0	52.8	57.8	64.1	67.9	70.4	70.4	67.9
87.5°	8.8	10.1	8.8	10.1	11.3	15.1	17.6	20.1	23.9	25.1	22.6
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)