

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: P635270

Luminaire Tested: GWS-SA3D-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635270
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-SA3D-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14862.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

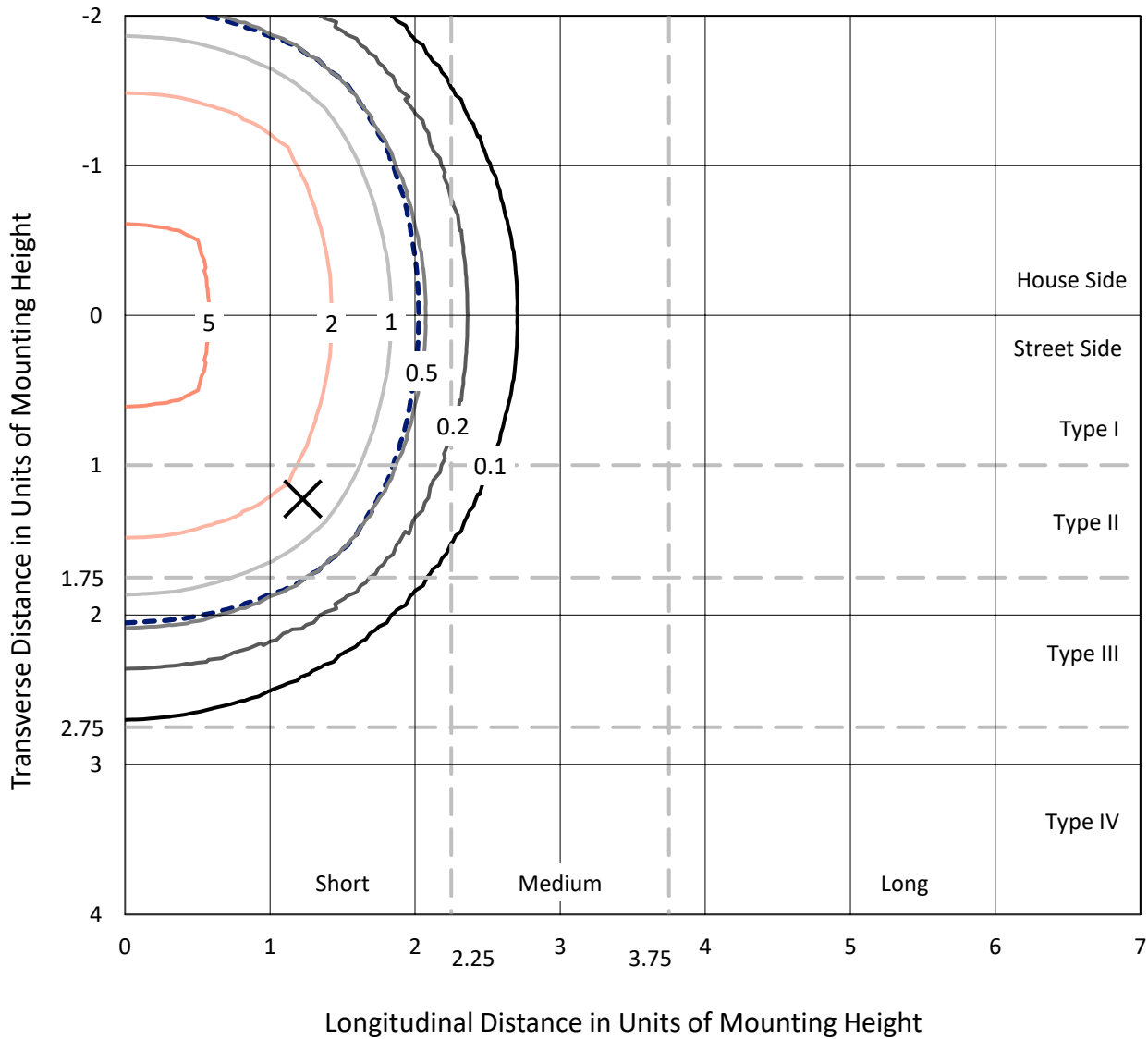
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

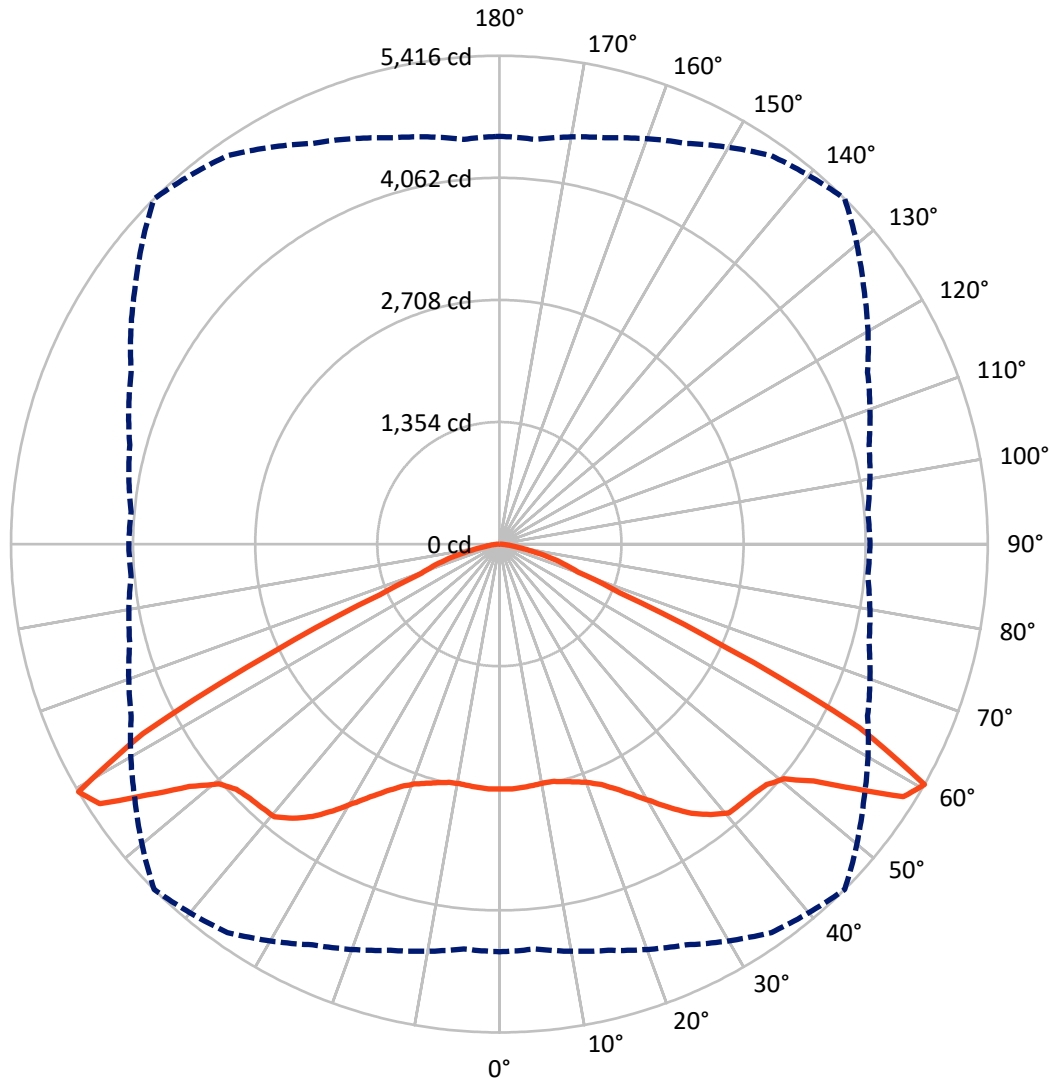
✕ Max cd
 - - - 1/2 Max cd



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	7431.3	0.0	7431.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7431.3	0.0	7431.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14862.5	0.0	14862.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	1.7
10°-20°	774.8	5.2
20°-30°	1370.7	9.2
30°-40°	2206.9	14.8
40°-50°	3033.3	20.4
50°-60°	4042.2	27.2
60°-70°	2519.3	17.0
70°-80°	579.3	3.9
80°-90°	78.6	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°	14862.5	100.0
0°-180°	14862.5	100.0

Coefficient of Utilization



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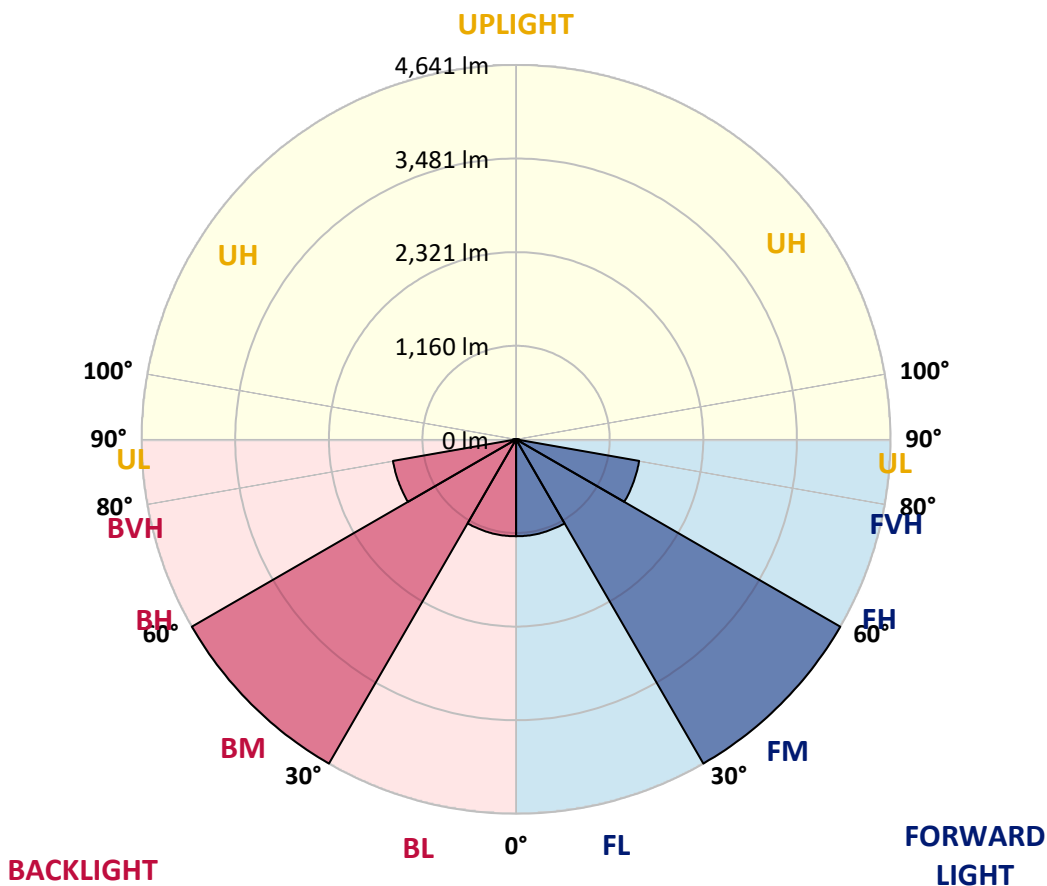
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.5	8.1			
FM (30°-60°)	4641.1	31.2			
FH (60°-80°)	1549.3	10.4			G1/1800
FVH (80°-90°)	39.3	0.3			G1/100
BL (0°-30°)	1201.5	8.1	B3/2500		
BM (30°-60°)	4641.1	31.2	B3/5000		
BH (60°-80°)	1549.3	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.3	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°	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1	2716.1
2.5°	2697.2	2699.7	2704.7	2708.5	2713.6	2718.6	2721.1	2716.1	2713.6	2703.5	2714.8
5°	2699.7	2702.2	2706.0	2706.0	2707.3	2711.1	2711.1	2704.7	2698.4	2687.1	2699.7
7.5°	2695.9	2698.4	2699.7	2698.4	2699.7	2701.0	2698.4	2690.9	2684.6	2674.5	2684.6
10°	2689.6	2692.1	2694.7	2692.1	2689.6	2693.4	2693.4	2688.3	2684.6	2674.5	2685.8
12.5°	2703.5	2707.3	2708.5	2702.2	2699.7	2701.0	2701.0	2695.9	2695.9	2687.1	2699.7
15°	2736.3	2738.8	2735.0	2727.5	2728.7	2732.5	2723.7	2711.1	2708.5	2704.7	2714.8
17.5°	2761.5	2764.0	2760.3	2755.2	2764.0	2772.9	2756.5	2732.5	2724.9	2722.4	2733.8
20°	2789.3	2793.1	2788.0	2794.3	2812.0	2822.1	2801.9	2769.1	2753.9	2750.2	2764.0
22.5°	2834.7	2839.7	2839.7	2853.6	2880.1	2896.5	2871.3	2827.1	2804.4	2798.1	2812.0
25°	2906.6	2910.4	2914.2	2941.9	2984.8	3007.5	2967.1	2906.6	2875.1	2865.0	2872.5
27.5°	3006.3	3012.6	3018.9	3059.2	3112.2	3145.0	3087.0	3011.3	2972.2	2952.0	2967.1
30°	3124.8	3133.7	3148.8	3194.2	3268.7	3305.2	3230.8	3138.7	3094.6	3073.1	3093.3
32.5°	3286.3	3287.6	3298.9	3349.4	3447.8	3489.4	3396.1	3293.9	3248.5	3223.2	3234.6
35°	3478.1	3479.3	3461.7	3513.4	3619.4	3666.0	3556.3	3452.8	3415.0	3407.4	3436.4
37.5°	3674.9	3663.5	3645.9	3668.6	3775.8	3806.1	3690.0	3601.7	3585.3	3599.2	3642.1
40°	3814.9	3796.0	3760.7	3777.1	3885.6	3920.9	3797.2	3714.0	3708.9	3743.0	3794.7
42.5°	3905.7	3885.6	3843.9	3843.9	3918.4	3933.5	3837.6	3793.5	3804.8	3843.9	3893.1
45°	3949.9	3938.5	3914.6	3902.0	3943.6	3949.9	3876.7	3859.1	3880.5	3899.4	3937.3
47.5°	3984.0	3984.0	3976.4	3963.8	3982.7	3986.5	3932.2	3927.2	3954.9	3954.9	3980.2
50°	4044.5	4050.8	4060.9	4058.4	4078.6	4091.2	4050.8	4043.2	4054.6	4018.0	4030.6
52.5°	4203.5	4219.9	4248.9	4271.6	4323.3	4362.4	4290.5	4230.0	4170.7	4089.9	4092.4
55°	4488.6	4496.1	4552.9	4619.8	4706.8	4786.3	4638.7	4450.7	4322.0	4227.4	4228.7
57.5°	4729.5	4740.9	4824.1	4964.2	5159.7	5283.3	4956.6	4642.5	4460.8	4344.8	4348.5
60°	4521.4	4506.2	4663.9	4903.6	5258.1	5415.8	4933.9	4505.0	4243.8	4100.0	4110.1
62.5°	3498.3	3469.2	3644.6	3895.6	4320.8	4478.5	4034.4	3623.1	3375.9	3263.6	3247.2
65°	2129.5	2103.0	2229.1	2383.1	2670.7	2770.3	2567.2	2349.0	2133.3	2065.1	2046.2
67.5°	1159.4	1155.6	1189.6	1265.3	1391.5	1438.2	1399.1	1295.6	1240.1	1192.2	1192.2
70°	919.7	912.1	905.8	907.0	918.4	924.7	926.0	920.9	927.2	928.5	923.4
72.5°	762.0	759.4	746.8	748.1	743.0	740.5	749.4	754.4	764.5	765.8	765.8
75°	552.6	546.2	552.6	553.8	548.8	548.8	555.1	553.8	558.9	561.4	547.5
77.5°	314.1	314.1	323.0	333.0	340.6	340.6	346.9	346.9	353.2	352.0	349.4
80°	172.8	172.8	177.9	184.2	191.8	199.3	205.6	206.9	210.7	209.4	205.6
82.5°	98.4	99.7	102.2	106.0	113.5	119.8	126.2	127.4	131.2	131.2	127.4
85°	46.7	45.4	46.7	49.2	53.0	58.0	64.3	68.1	70.6	70.6	68.1
87.5°	8.8	10.1	8.8	10.1	11.4	15.1	17.7	20.2	24.0	25.2	22.7
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)