

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: P635160

Luminaire Tested: GWS-SA3D-730-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635160
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13534 lumens
Efficiency: N/A
Efficacy: 112.0 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

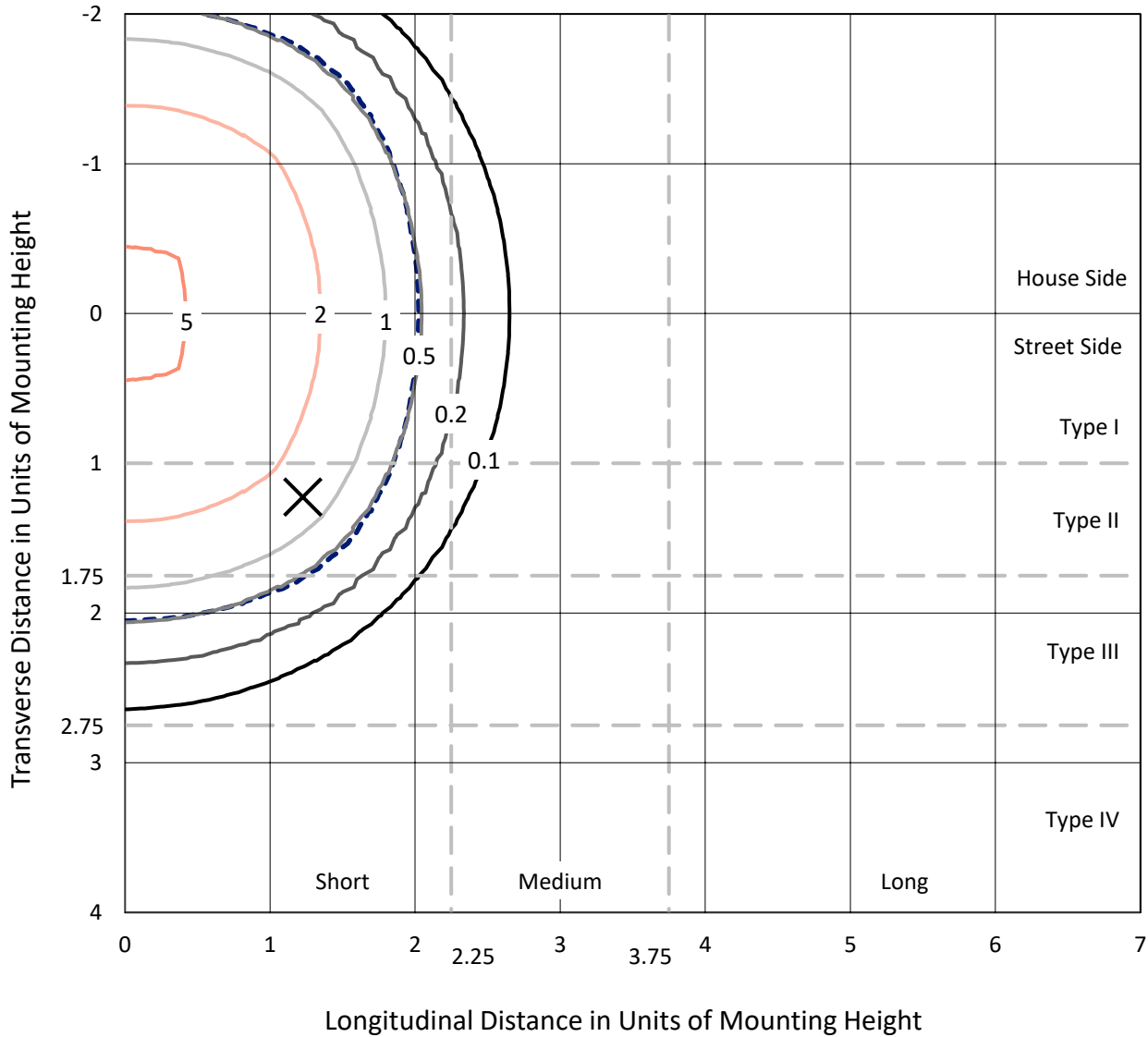
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

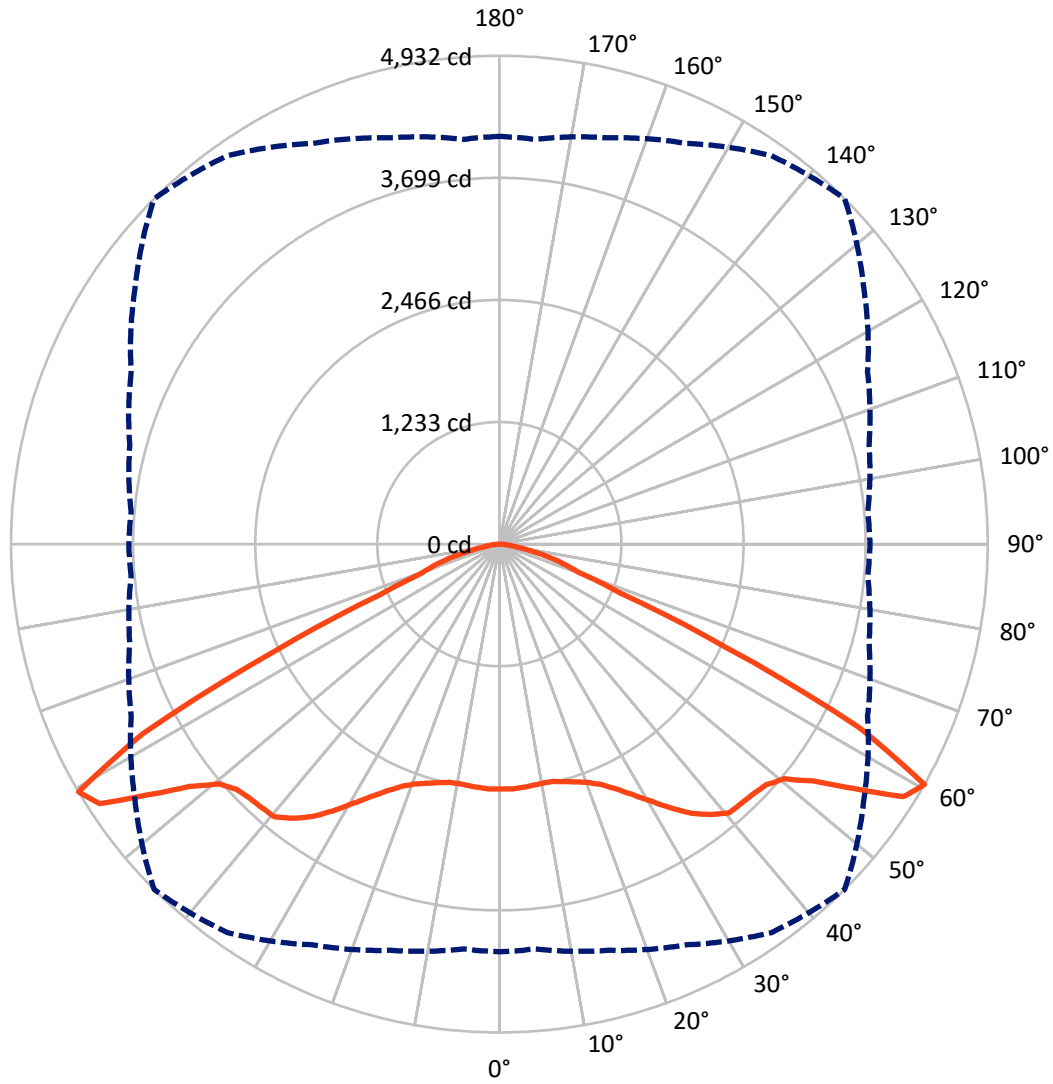
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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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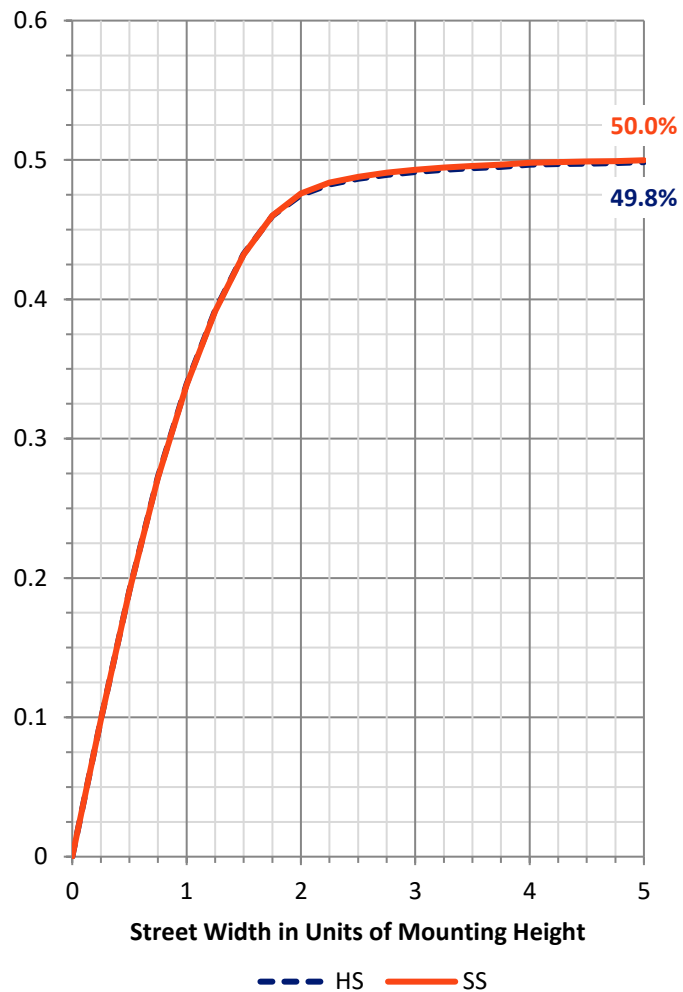
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6767.0	0.0	6767.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6767.0	0.0	6767.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13534.0	0.0	13534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	1.7
10°-20°	705.5	5.2
20°-30°	1248.2	9.2
30°-40°	2009.6	14.8
40°-50°	2762.1	20.4
50°-60°	3680.8	27.2
60°-70°	2294.1	17.0
70°-80°	527.5	3.9
80°-90°	71.6	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°	13534.0	100.0
0°-180°	13534.0	100.0

Coefficient of Utilization



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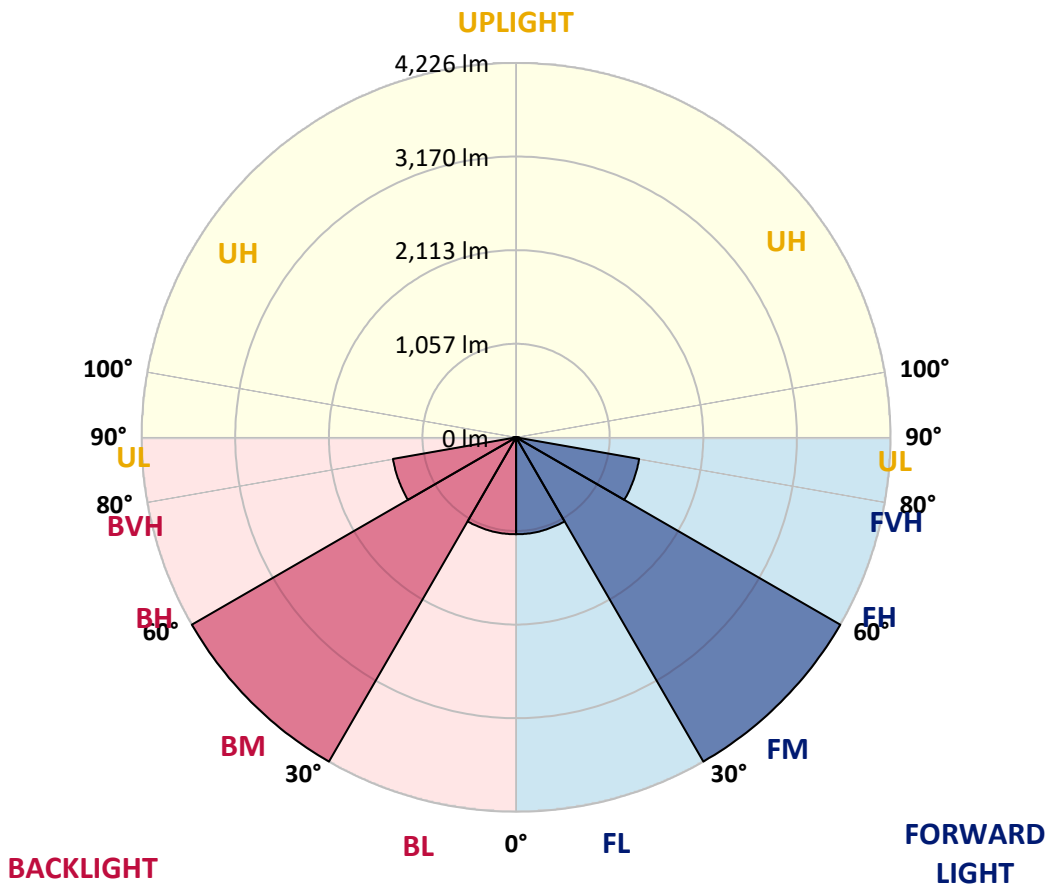
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1094.1	8.1			
FM (30°-60°)	4226.3	31.2			
FH (60°-80°)	1410.8	10.4			G1/1800
FVH (80°-90°)	35.8	0.3			G1/100
BL (0°-30°)	1094.1	8.1	B3/2500		
BM (30°-60°)	4226.3	31.2	B3/5000		
BH (60°-80°)	1410.8	10.4	B3/2500		G1/1800
BVH (80°-90°)	35.8	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°	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3	2473.3
2.5°	2456.1	2458.4	2463.0	2466.4	2471.0	2475.6	2477.9	2473.3	2471.0	2461.8	2472.2
5°	2458.4	2460.7	2464.1	2464.1	2465.3	2468.7	2468.7	2463.0	2457.2	2446.9	2458.4
7.5°	2454.9	2457.2	2458.4	2457.2	2458.4	2459.5	2457.2	2450.3	2444.6	2435.4	2444.6
10°	2449.2	2451.5	2453.8	2451.5	2449.2	2452.6	2452.6	2448.0	2444.6	2435.4	2445.7
12.5°	2461.8	2465.3	2466.4	2460.7	2458.4	2459.5	2459.5	2454.9	2454.9	2446.9	2458.4
15°	2491.7	2494.0	2490.6	2483.7	2484.8	2488.3	2480.2	2468.7	2466.4	2463.0	2472.2
17.5°	2514.7	2517.0	2513.5	2508.9	2517.0	2525.0	2510.1	2488.3	2481.4	2479.1	2489.4
20°	2539.9	2543.4	2538.8	2544.5	2560.6	2569.8	2551.4	2521.6	2507.8	2504.3	2517.0
22.5°	2581.3	2585.9	2585.9	2598.5	2622.7	2637.6	2614.6	2574.4	2553.7	2548.0	2560.6
25°	2646.8	2650.2	2653.7	2679.0	2718.0	2738.7	2701.9	2646.8	2618.1	2608.9	2615.8
27.5°	2737.5	2743.3	2749.0	2785.8	2834.0	2863.9	2811.1	2742.1	2706.5	2688.1	2701.9
30°	2845.5	2853.6	2867.4	2908.7	2976.5	3009.8	2942.0	2858.2	2818.0	2798.4	2816.8
32.5°	2992.6	2993.7	3004.1	3050.0	3139.6	3177.5	3092.5	2999.5	2958.1	2935.1	2945.5
35°	3167.2	3168.3	3152.2	3199.3	3295.8	3338.3	3238.4	3144.2	3109.7	3102.8	3129.3
37.5°	3346.4	3336.1	3320.0	3340.6	3438.3	3465.9	3360.2	3279.8	3264.8	3277.5	3316.5
40°	3473.9	3456.7	3424.5	3439.4	3538.2	3570.4	3457.8	3382.0	3377.4	3408.4	3455.5
42.5°	3556.6	3538.2	3500.3	3500.3	3568.1	3581.9	3494.6	3454.4	3464.7	3500.3	3545.1
45°	3596.8	3586.5	3564.7	3553.2	3591.1	3596.8	3530.2	3514.1	3533.6	3550.9	3585.3
47.5°	3627.8	3627.8	3620.9	3609.5	3626.7	3630.1	3580.7	3576.1	3601.4	3601.4	3624.4
50°	3683.0	3688.7	3697.9	3695.6	3714.0	3725.5	3688.7	3681.8	3692.2	3658.9	3670.3
52.5°	3827.7	3842.7	3869.1	3889.8	3936.9	3972.5	3907.0	3851.9	3797.9	3724.3	3726.6
55°	4087.4	4094.2	4145.9	4206.8	4286.1	4358.5	4224.1	4052.9	3935.7	3849.6	3850.7
57.5°	4306.8	4317.1	4392.9	4520.4	4698.5	4811.1	4513.5	4227.5	4062.1	3956.4	3959.8
60°	4117.2	4103.4	4247.0	4465.3	4788.1	4931.7	4492.9	4102.3	3864.5	3733.5	3742.7
62.5°	3185.6	3159.1	3318.8	3547.4	3934.6	4078.2	3673.8	3299.3	3074.1	2971.9	2957.0
65°	1939.1	1915.0	2029.9	2170.0	2432.0	2522.7	2337.8	2139.0	1942.6	1880.5	1863.3
67.5°	1055.7	1052.3	1083.3	1152.2	1267.1	1309.6	1274.0	1179.8	1129.2	1085.6	1085.6
70°	837.5	830.6	824.8	826.0	836.3	842.1	843.2	838.6	844.4	845.5	840.9
72.5°	693.9	691.6	680.1	681.2	676.6	674.3	682.4	687.0	696.2	697.3	697.3
75°	503.2	497.4	503.2	504.3	499.7	499.7	505.5	504.3	508.9	511.2	498.6
77.5°	286.0	286.0	294.1	303.3	310.2	310.2	315.9	315.9	321.7	320.5	318.2
80°	157.4	157.4	162.0	167.7	174.6	181.5	187.3	188.4	191.8	190.7	187.3
82.5°	89.6	90.8	93.1	96.5	103.4	109.1	114.9	116.0	119.5	119.5	116.0
85°	42.5	41.4	42.5	44.8	48.2	52.8	58.6	62.0	64.3	64.3	62.0
87.5°	8.0	9.2	8.0	9.2	10.3	13.8	16.1	18.4	21.8	23.0	20.7
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)