

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: P635154

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 14031.4 lumens
Efficiency: N/A
Efficacy: 116.2 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

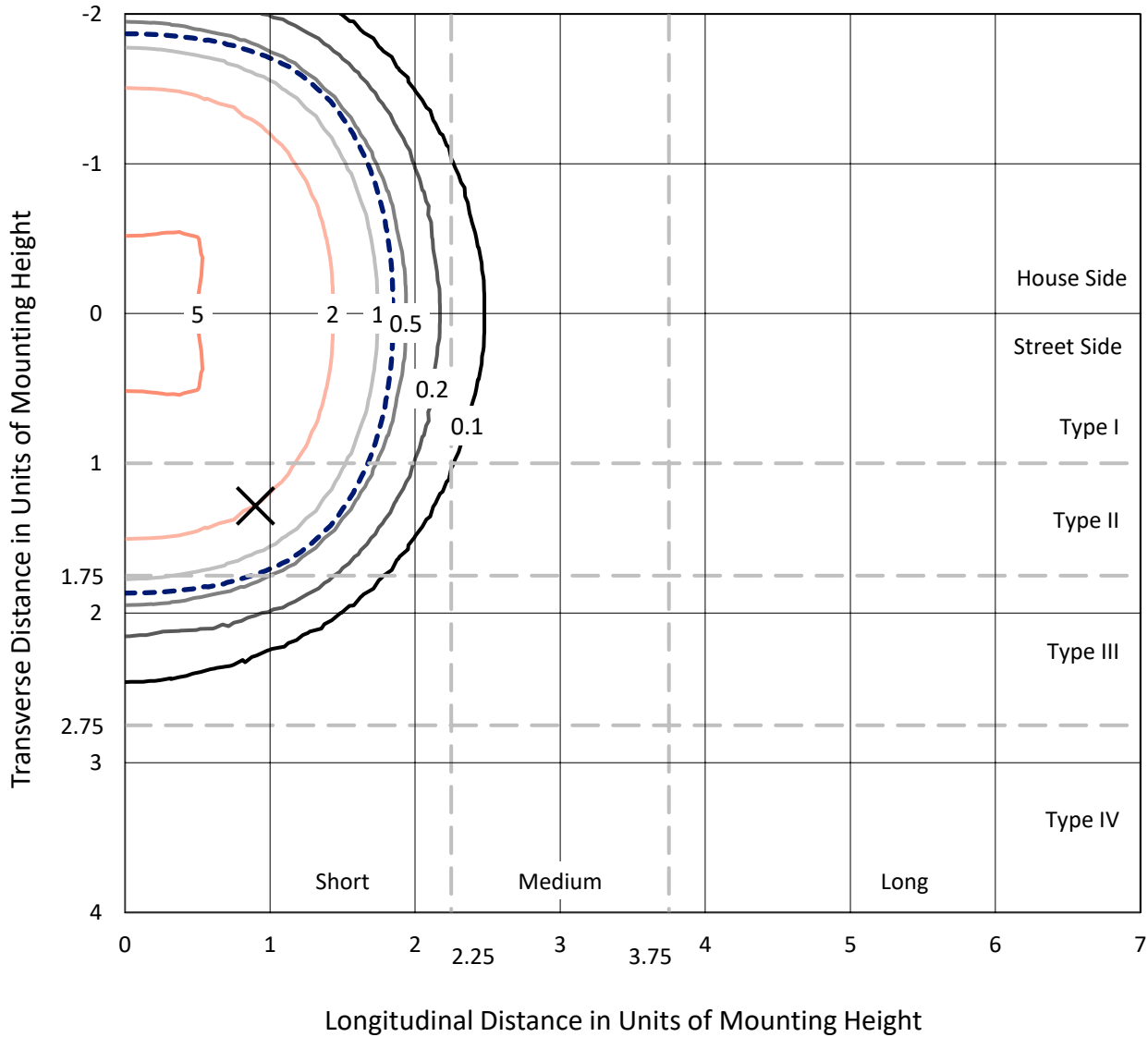
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

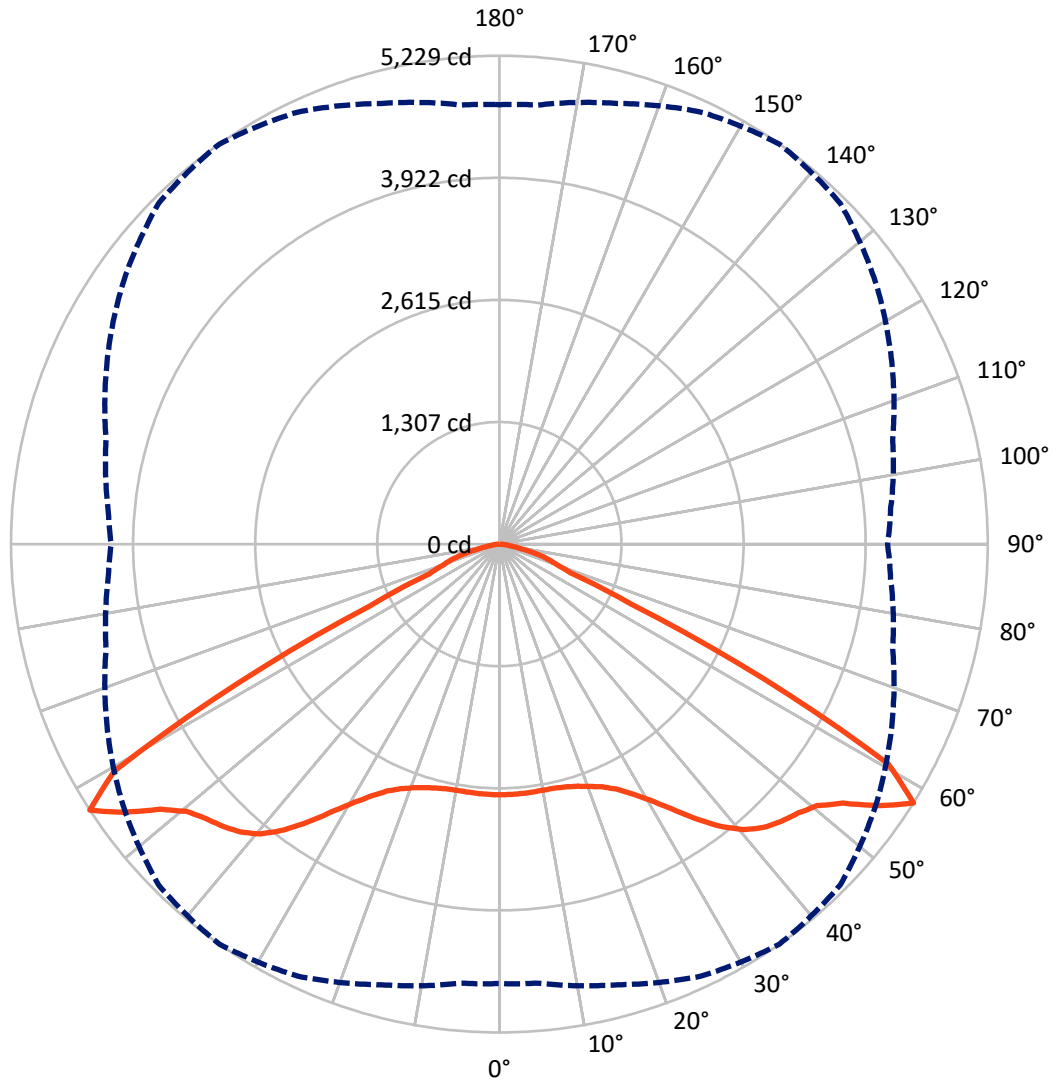
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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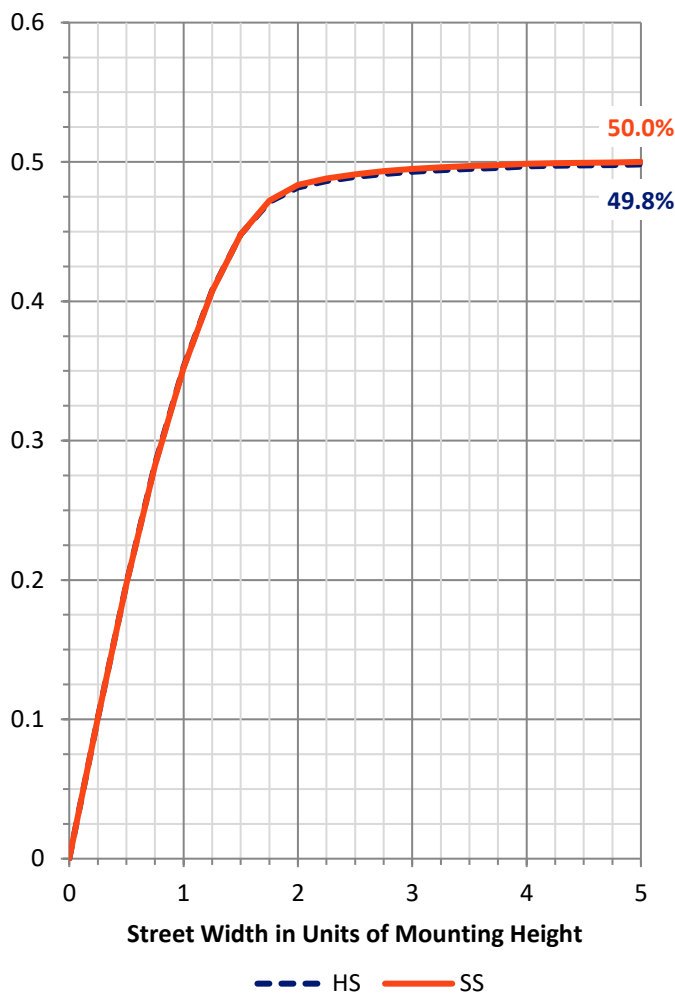
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7015.7	0.0	7015.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7015.7	0.0	7015.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14031.4	0.0	14031.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	1.8
10°-20°	762.0	5.4
20°-30°	1329.6	9.5
30°-40°	2180.2	15.5
40°-50°	3210.9	22.9
50°-60°	4097.7	29.2
60°-70°	1726.9	12.3
70°-80°	412.5	2.9
80°-90°	56.1	0.4
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°	14031.4	100.0
0°-180°	14031.4	100.0

Coefficient of Utilization



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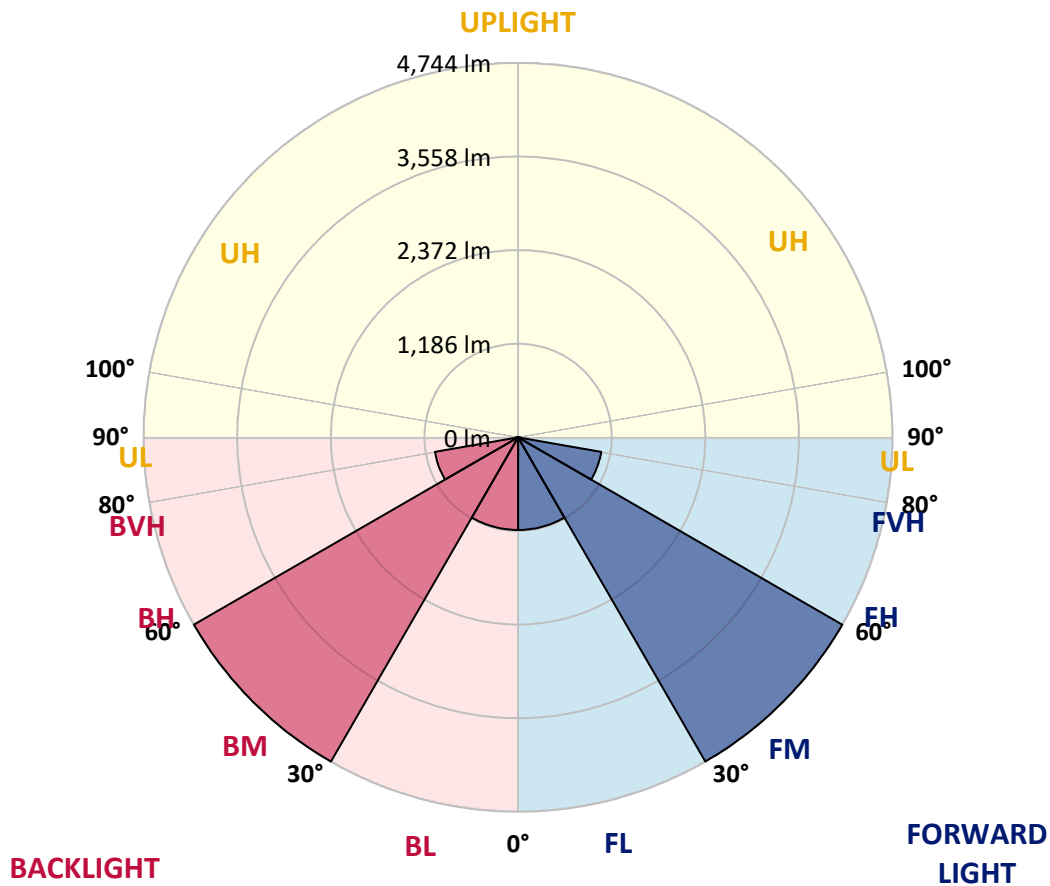
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.5	8.4			
FM (30°-60°)	4744.4	33.8			
FH (60°-80°)	1069.7	7.6			G1/1800
FVH (80°-90°)	28.1	0.2			G1/100
BL (0°-30°)	1173.5	8.4	B3/2500		
BM (30°-60°)	4744.4	33.8	B3/5000		
BH (60°-80°)	1069.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	28.1	0.2			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°	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7	2684.7
2.5°	2668.7	2668.7	2674.4	2680.2	2682.5	2692.8	2691.6	2688.2	2685.9	2679.0	2688.2
5°	2674.4	2674.4	2679.0	2682.5	2681.3	2689.3	2685.9	2680.2	2676.7	2669.8	2680.2
7.5°	2673.3	2673.3	2676.7	2680.2	2677.9	2684.7	2679.0	2671.0	2665.2	2658.3	2667.5
10°	2658.3	2660.6	2664.1	2672.1	2675.6	2685.9	2677.9	2665.2	2656.0	2648.0	2657.2
12.5°	2656.0	2658.3	2662.9	2673.3	2679.0	2693.9	2683.6	2662.9	2649.1	2638.8	2648.0
15°	2666.4	2668.7	2675.6	2688.2	2697.4	2713.5	2698.5	2669.8	2650.3	2636.5	2644.5
17.5°	2679.0	2682.5	2692.8	2711.2	2726.1	2743.3	2725.0	2690.5	2662.9	2644.5	2651.4
20°	2692.8	2697.4	2713.5	2741.0	2768.6	2790.4	2767.5	2721.5	2688.2	2664.1	2671.0
22.5°	2716.9	2722.7	2743.3	2782.4	2823.8	2855.9	2827.2	2765.2	2721.5	2690.5	2696.2
25°	2766.3	2773.2	2799.6	2846.7	2905.3	2944.4	2904.2	2834.1	2773.2	2735.3	2741.0
27.5°	2853.6	2857.1	2891.5	2953.6	3025.9	3070.7	3022.5	2939.8	2872.0	2828.3	2832.9
30°	2968.5	2978.8	3013.3	3094.9	3181.0	3240.8	3177.6	3079.9	3001.8	2949.0	2953.6
32.5°	3108.7	3115.5	3167.2	3252.3	3376.3	3445.3	3359.1	3243.1	3148.9	3084.5	3089.1
35°	3292.5	3298.2	3347.6	3455.6	3606.1	3670.4	3571.6	3438.4	3329.2	3268.3	3285.6
37.5°	3511.9	3522.2	3557.8	3664.7	3832.4	3895.6	3781.9	3657.8	3544.1	3487.8	3500.4
40°	3747.4	3746.2	3775.0	3869.2	4022.0	4061.0	3958.8	3860.0	3762.3	3725.6	3746.2
42.5°	3949.6	3943.8	3964.5	4042.6	4148.3	4151.8	4084.0	4028.8	3959.9	3934.6	3954.2
45°	4090.9	4093.2	4124.2	4178.2	4232.2	4203.5	4182.8	4173.6	4119.6	4085.1	4088.6
47.5°	4202.3	4211.5	4260.9	4297.7	4304.6	4256.3	4285.0	4298.8	4254.0	4201.2	4186.2
50°	4301.1	4316.0	4380.4	4419.4	4404.5	4343.6	4399.9	4420.6	4321.8	4220.7	4190.8
52.5°	4480.3	4497.6	4575.7	4626.2	4609.0	4548.1	4600.9	4527.4	4360.8	4236.8	4198.9
55°	4766.4	4774.4	4869.8	4952.5	4944.4	4869.8	4827.3	4664.1	4461.9	4333.3	4297.7
57.5°	4705.5	4719.3	4884.7	5105.3	5229.3	5161.6	4912.3	4634.3	4359.7	4204.6	4156.4
60°	3702.6	3735.9	3941.5	4329.8	4784.8	4783.6	4320.6	3888.7	3557.8	3352.2	3331.5
62.5°	2162.0	2185.0	2372.3	2765.2	3173.0	3198.3	2873.2	2576.8	2287.3	2148.3	2081.6
65°	1023.6	1022.4	1097.1	1274.0	1549.7	1571.6	1473.9	1311.9	1140.8	1093.7	1081.0
67.5°	755.9	755.9	750.2	762.8	815.6	827.1	815.6	789.2	773.1	783.5	776.6
70°	656.0	657.1	650.2	646.8	646.8	643.3	647.9	658.3	665.2	678.9	672.0
72.5°	531.9	533.0	533.0	534.2	535.3	530.7	537.6	543.4	544.5	549.1	544.5
75°	378.0	380.3	387.1	392.9	397.5	397.5	399.8	400.9	396.3	402.1	392.9
77.5°	207.9	210.2	222.9	233.2	243.5	244.7	248.1	250.4	248.1	252.7	245.8
80°	114.9	117.2	122.9	127.5	135.6	142.5	147.0	149.3	149.3	152.8	149.3
82.5°	65.5	67.8	71.2	73.5	80.4	86.2	90.8	94.2	94.2	95.4	93.1
85°	31.0	31.0	33.3	35.6	39.1	41.4	47.1	50.5	50.5	52.8	50.5
87.5°	4.6	5.7	6.9	6.9	9.2	11.5	13.8	14.9	17.2	18.4	18.4
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)