

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: P637795

Luminaire Tested: GWS-SA4D-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25941.7 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

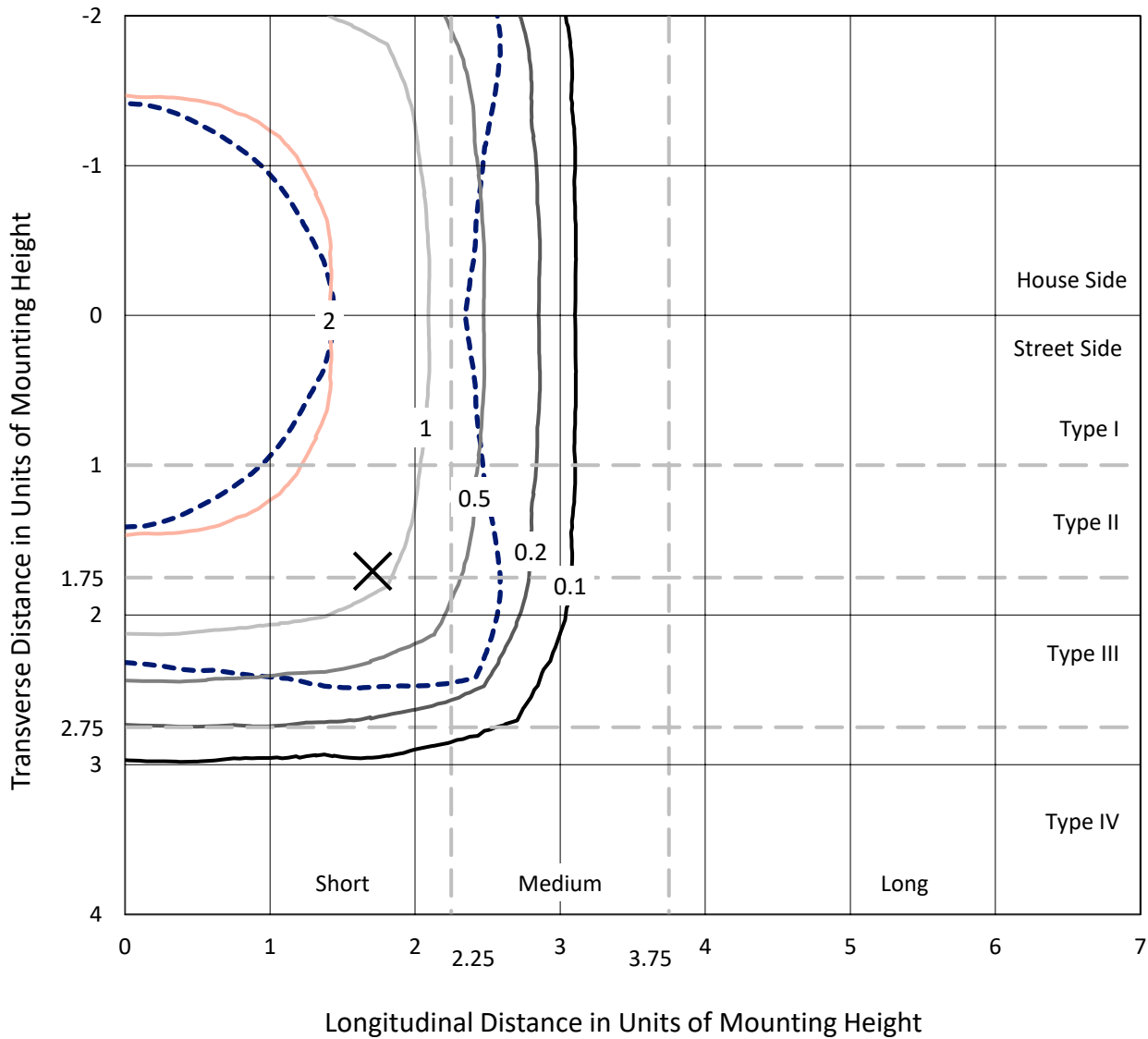
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

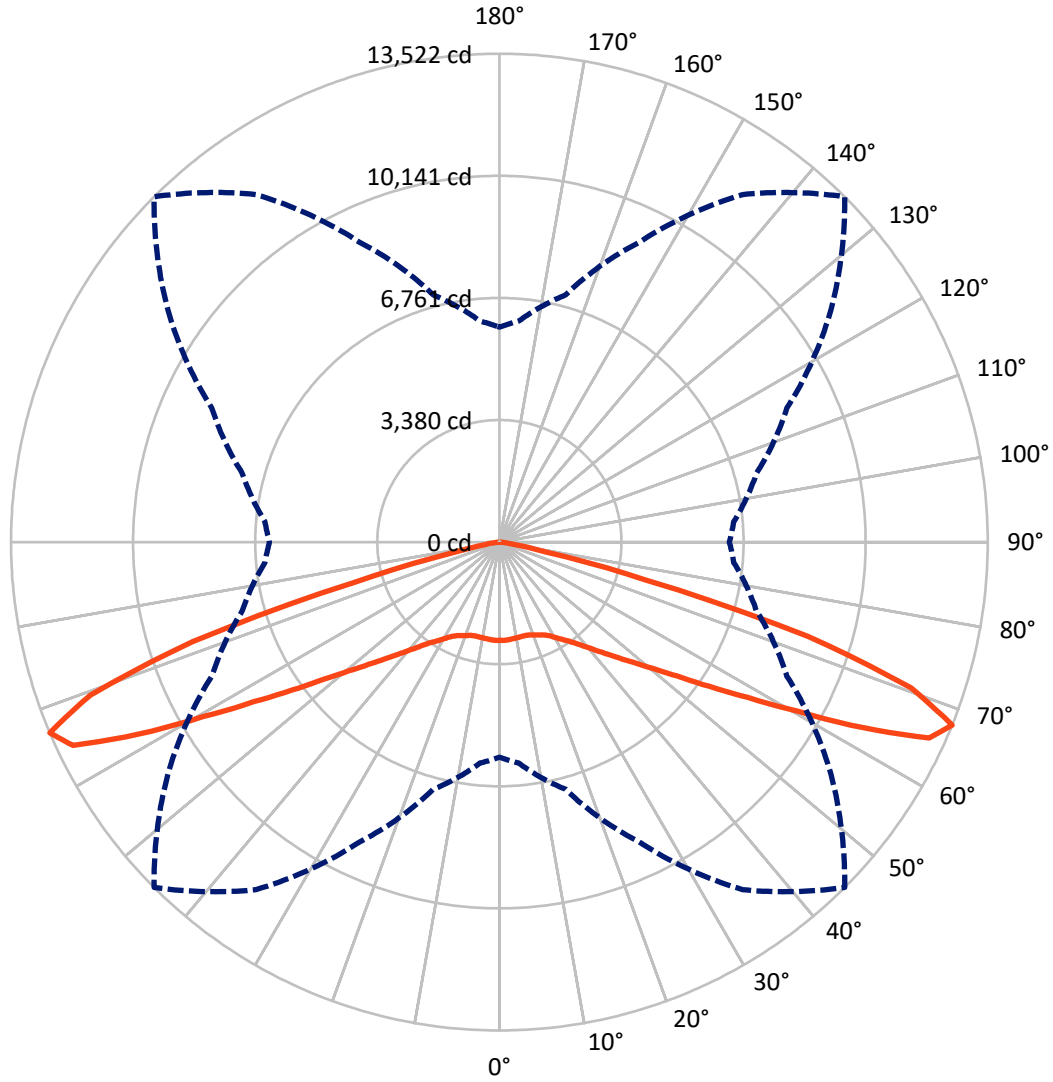
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12970.9	0.0	12970.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12970.9	0.0	12970.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25941.7	0.0	25941.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.1	1.0
10°-20°	755.3	2.9
20°-30°	1302.6	5.0
30°-40°	2118.1	8.2
40°-50°	3566.5	13.7
50°-60°	6319.1	24.4
60°-70°	9032.7	34.8
70°-80°	2479.1	9.6
80°-90°	111.1	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°	25941.7	100.0
0°-180°	25941.7	100.0

Coefficient of Utilization



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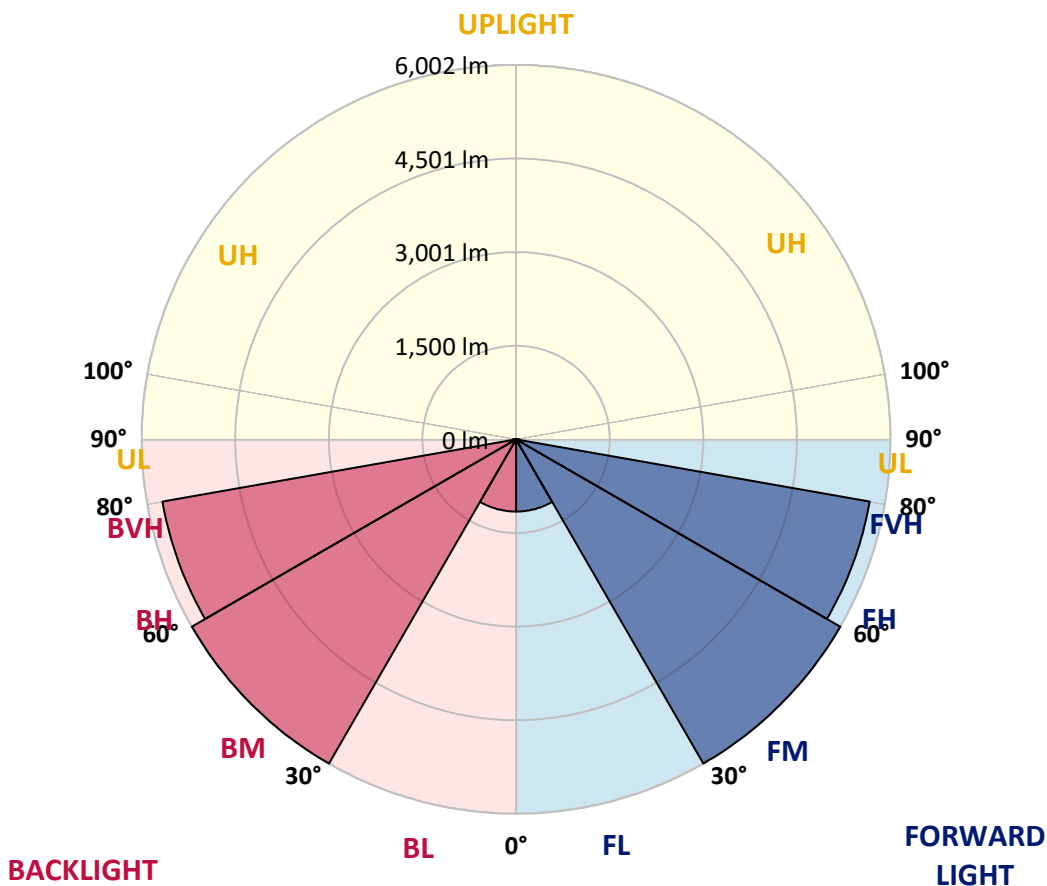
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.5	4.5			
FM (30°-60°)	6001.9	23.1			
FH (60°-80°)	5755.9	22.2			G3/7500
FVH (80°-90°)	55.5	0.2			G1/100
BL (0°-30°)	1157.5	4.5	B3/2500		
BM (30°-60°)	6001.9	23.1	B4/8500		
BH (60°-80°)	5755.9	22.2	B5		G3/7500
BVH (80°-90°)	55.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9	2716.9
2.5°	2699.0	2697.2	2706.2	2711.5	2709.8	2722.3	2720.5	2716.9	2716.9	2711.5	2725.9
5°	2699.0	2697.2	2704.4	2706.2	2702.6	2713.3	2709.8	2706.2	2706.2	2699.0	2711.5
7.5°	2684.6	2686.4	2691.8	2695.4	2691.8	2700.8	2695.4	2688.2	2686.4	2679.2	2691.8
10°	2657.7	2659.5	2664.9	2673.8	2675.6	2691.8	2682.8	2670.2	2664.9	2657.7	2670.2
12.5°	2641.5	2643.3	2648.7	2659.5	2663.1	2684.6	2675.6	2655.9	2646.9	2639.7	2652.3
15°	2637.9	2639.7	2646.9	2657.7	2663.1	2684.6	2675.6	2652.3	2639.7	2630.7	2641.5
17.5°	2637.9	2641.5	2652.3	2668.5	2679.2	2700.8	2690.0	2663.1	2645.1	2628.9	2639.7
20°	2639.7	2645.1	2661.3	2684.6	2711.5	2742.1	2727.7	2691.8	2666.7	2646.9	2654.1
22.5°	2655.9	2664.9	2684.6	2715.1	2754.6	2790.6	2778.0	2729.5	2693.6	2666.7	2673.8
25°	2711.5	2715.1	2740.3	2779.8	2817.5	2848.0	2835.5	2790.6	2745.7	2713.3	2722.3
27.5°	2810.3	2819.3	2840.8	2882.1	2914.5	2930.6	2928.8	2898.3	2853.4	2824.7	2831.9
30°	2928.8	2937.8	2966.5	3013.2	3045.6	3063.5	3058.1	3034.8	2993.5	2954.0	2961.2
32.5°	3067.1	3070.7	3104.8	3156.9	3191.0	3217.9	3200.0	3174.8	3122.8	3076.1	3079.7
35°	3243.1	3248.5	3284.4	3332.9	3359.8	3381.4	3377.8	3352.6	3297.0	3246.7	3259.2
37.5°	3464.0	3467.6	3499.9	3560.9	3582.5	3598.6	3602.2	3589.7	3532.2	3467.6	3480.1
40°	3738.7	3740.5	3776.4	3830.3	3853.6	3864.4	3866.2	3868.0	3808.7	3760.3	3756.7
42.5°	4058.3	4067.3	4117.6	4169.7	4180.5	4175.1	4193.0	4211.0	4153.5	4087.1	4092.5
45°	4440.8	4446.2	4514.5	4571.9	4552.2	4534.2	4568.3	4604.2	4552.2	4466.0	4440.8
47.5°	4893.4	4904.1	4977.8	5035.2	5002.9	4970.6	5026.2	5064.0	4979.6	4888.0	4864.6
50°	5405.1	5412.3	5516.5	5588.3	5550.6	5491.3	5561.4	5600.9	5487.7	5374.6	5324.3
52.5°	6010.3	5995.9	6134.2	6259.9	6236.6	6159.3	6216.8	6224.0	6055.2	5895.4	5845.1
55°	6748.3	6734.0	6872.2	7010.5	7068.0	7048.2	7021.3	6978.2	6728.6	6558.0	6511.3
57.5°	7608.5	7563.6	7757.5	7944.3	8070.0	8105.9	7991.0	7890.4	7692.9	7482.8	7428.9
60°	8407.6	8405.8	8712.9	9036.1	9380.9	9524.5	9233.6	8960.7	8517.1	8134.6	8057.4
62.5°	8632.1	8669.8	9172.6	9973.5	10824.6	11332.8	10566.1	9662.8	8806.2	8229.8	8127.5
65°	8079.0	8172.4	8887.1	10151.2	11832.0	13074.7	11343.6	9679.0	8484.8	7766.5	7658.8
67.5°	5954.6	6141.4	7087.7	9160.0	11745.9	13521.8	11205.3	8782.9	7369.7	6514.9	6365.9
70°	2937.8	3115.6	3866.2	6026.5	9664.6	12087.0	9695.1	6619.1	4977.8	4155.3	4018.8
72.5°	1081.0	1152.9	1447.4	2578.7	5333.3	8928.4	6629.8	3697.4	2411.7	1919.6	1828.1
75°	529.7	542.3	587.2	865.5	1968.1	4202.0	3115.6	1418.6	887.1	772.2	747.0
77.5°	337.6	343.0	364.5	413.0	632.1	1323.5	944.6	560.3	434.6	416.6	416.6
80°	188.6	193.9	222.7	256.8	296.3	454.3	339.4	335.8	285.5	249.6	244.2
82.5°	89.8	98.8	141.9	140.1	156.2	228.1	199.3	181.4	183.2	138.3	131.1
85°	41.3	41.3	55.7	66.4	70.0	77.2	91.6	104.2	102.4	70.0	75.4
87.5°	19.8	19.8	19.8	18.0	16.2	14.4	19.8	32.3	46.7	32.3	30.5
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)