

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: P636807

Luminaire Tested: GWS-SA4B-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13422.5 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 94.4
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

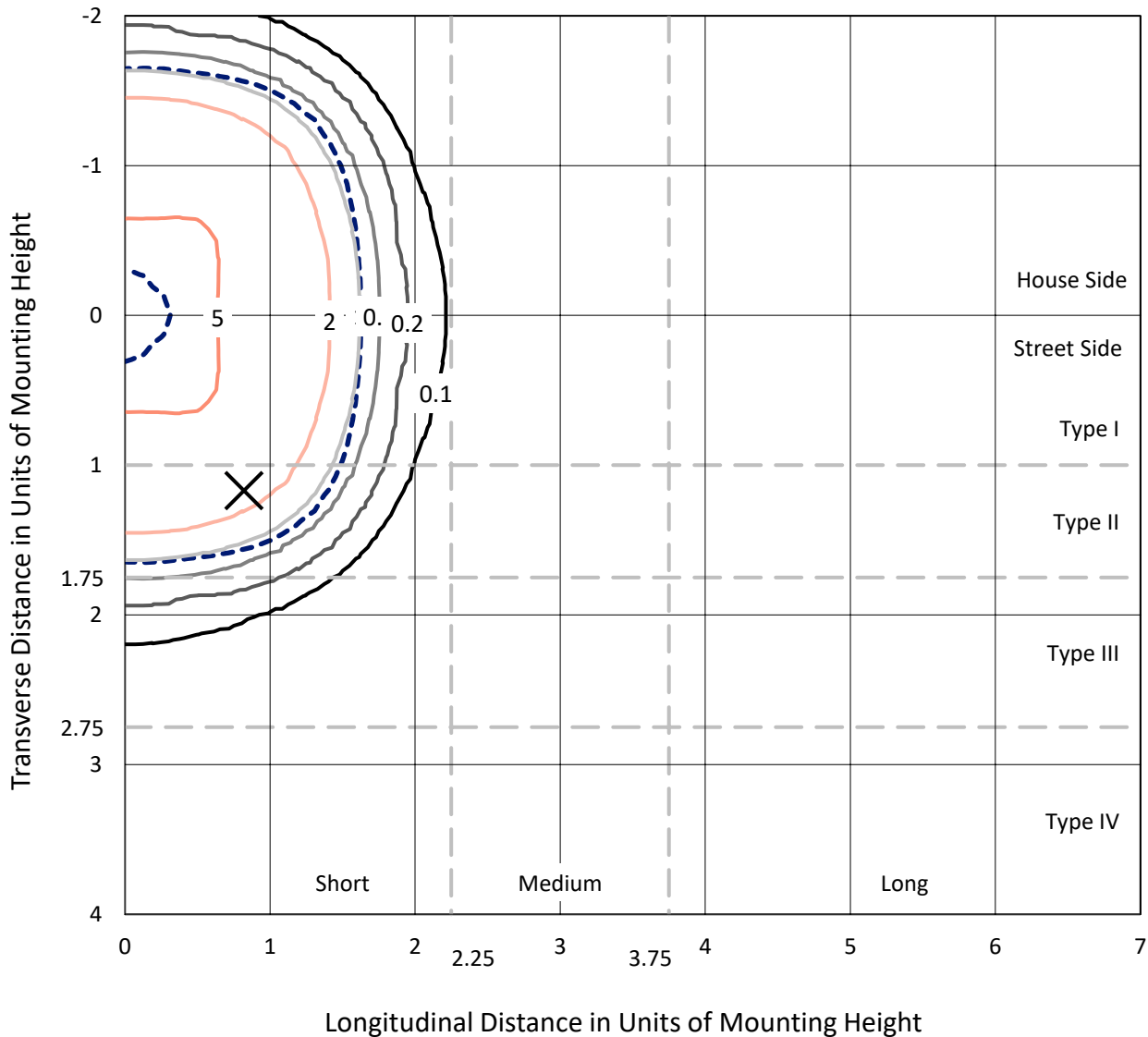


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Iso-Footcandle Lines of Horizontal Illumination

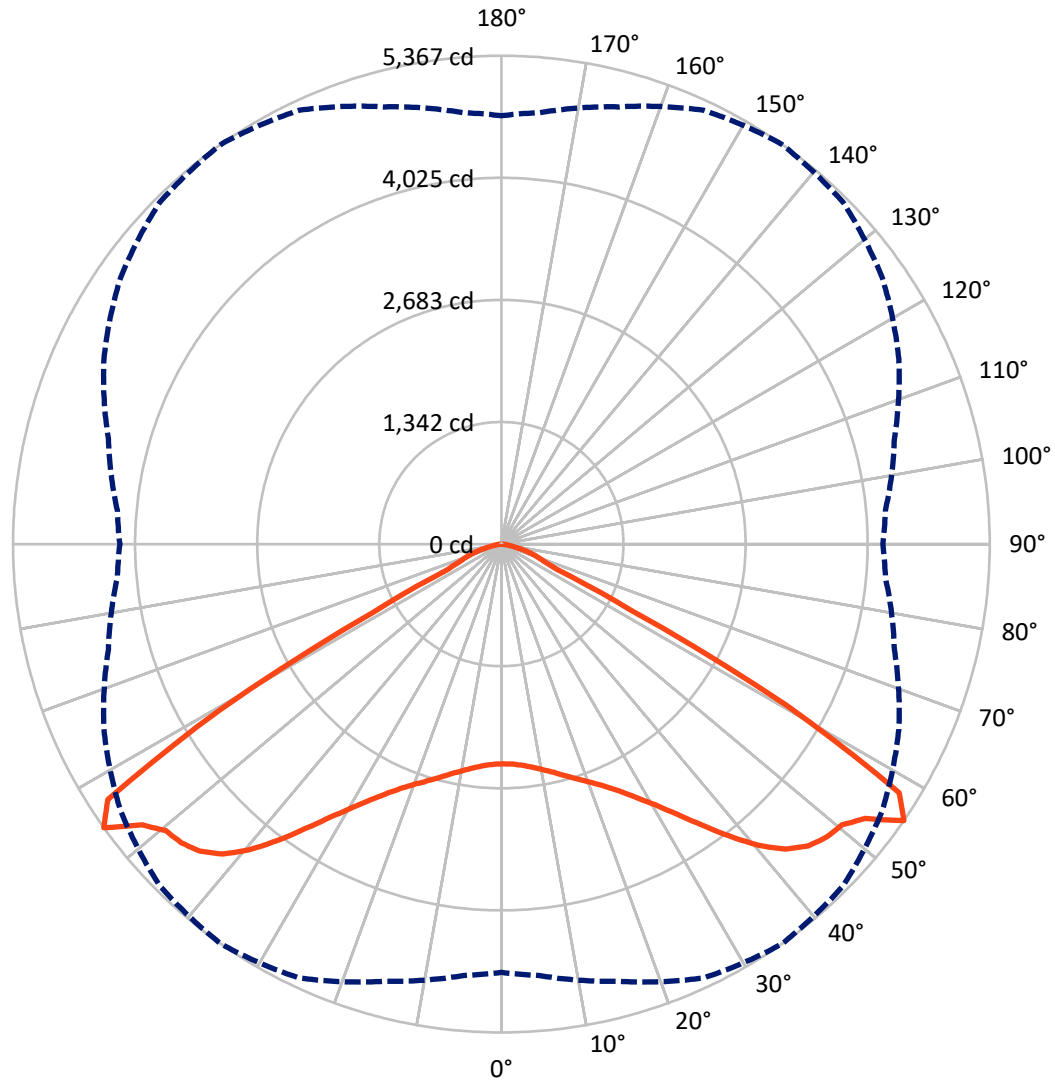
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6711.2	0.0	6711.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6711.2	0.0	6711.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13422.5	0.0	13422.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	1.8
10°-20°	749.9	5.6
20°-30°	1387.9	10.3
30°-40°	2321.6	17.3
40°-50°	3537.8	26.4
50°-60°	3963.0	29.5
60°-70°	937.7	7.0
70°-80°	252.8	1.9
80°-90°	36.4	0.3
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°	13422.5	100.0
0°-180°	13422.5	100.0

Coefficient of Utilization



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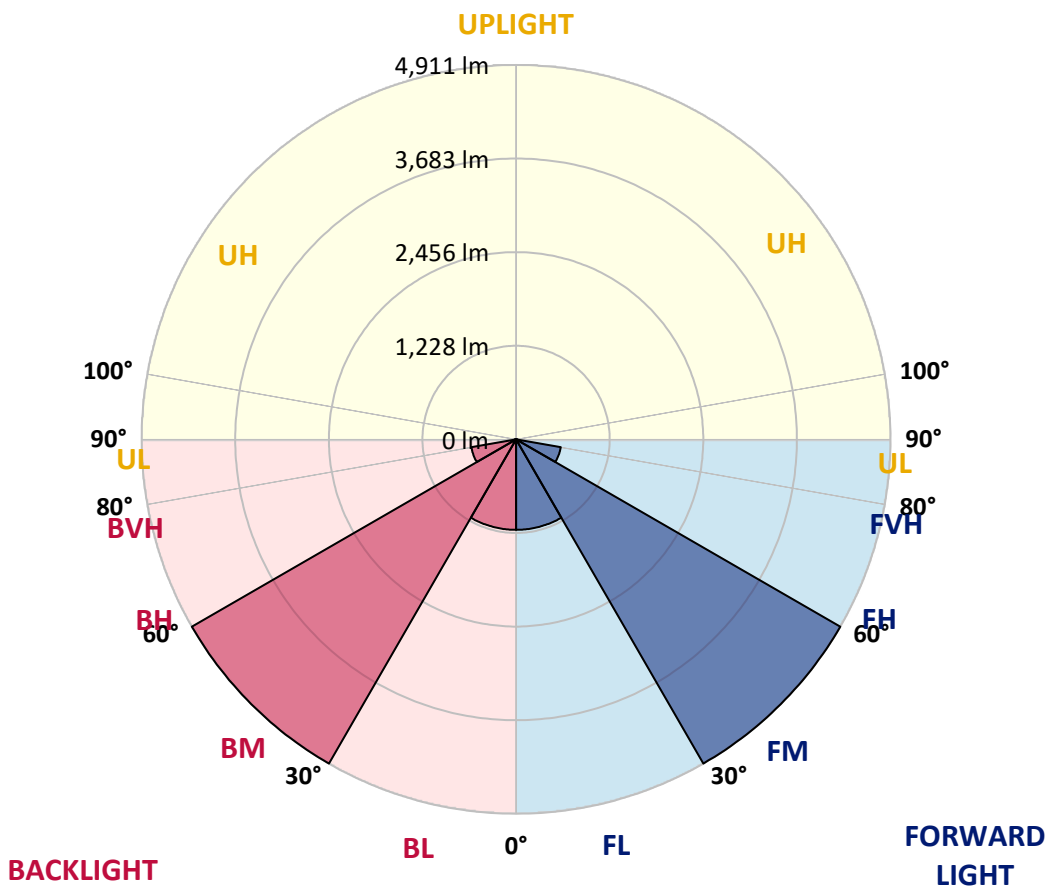
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.6	8.8			
FM (30°-60°)	4911.2	36.6			
FH (60°-80°)	595.2	4.4			G0/660
FVH (80°-90°)	18.2	0.1			G1/100
BL (0°-30°)	1186.6	8.8	B3/2500		
BM (30°-60°)	4911.2	36.6	B3/5000		
BH (60°-80°)	595.2	4.4	B2/1000		G0/660
BVH (80°-90°)	18.2	0.1			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°	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7	2414.7
2.5°	2409.4	2409.4	2413.7	2419.0	2420.1	2430.7	2428.5	2424.3	2422.2	2417.9	2427.5
5°	2436.0	2437.0	2440.2	2443.4	2441.3	2449.8	2446.6	2441.3	2438.1	2432.8	2442.3
7.5°	2471.0	2471.0	2474.2	2478.4	2476.3	2489.0	2482.7	2475.2	2469.9	2463.6	2472.1
10°	2502.8	2505.0	2508.1	2516.6	2520.9	2534.7	2530.4	2519.8	2511.3	2503.9	2513.5
12.5°	2550.6	2552.7	2555.9	2567.6	2575.0	2588.8	2582.4	2567.6	2554.9	2544.2	2554.9
15°	2612.2	2610.0	2618.5	2633.4	2643.0	2655.7	2648.3	2622.8	2605.8	2592.0	2602.6
17.5°	2674.8	2673.7	2682.2	2701.3	2715.1	2732.1	2719.4	2689.7	2671.6	2654.6	2665.2
20°	2742.7	2745.9	2754.4	2772.4	2792.6	2814.9	2804.3	2772.4	2752.3	2733.2	2741.7
22.5°	2826.6	2827.6	2837.2	2860.5	2887.1	2908.3	2901.9	2862.7	2837.2	2817.0	2827.6
25°	2927.4	2926.4	2939.1	2966.7	3003.8	3025.1	3011.3	2967.7	2940.1	2916.8	2925.3
27.5°	3043.1	3042.0	3061.2	3097.2	3150.3	3180.0	3151.4	3097.2	3059.0	3026.1	3033.6
30°	3188.5	3185.3	3206.6	3255.4	3324.4	3374.3	3331.8	3256.5	3206.6	3171.5	3179.0
32.5°	3349.9	3354.1	3380.6	3446.4	3533.5	3598.2	3534.5	3450.7	3383.8	3332.9	3341.4
35°	3527.1	3527.1	3581.3	3663.0	3787.2	3873.1	3774.4	3653.4	3564.3	3494.2	3496.3
37.5°	3724.5	3726.7	3797.8	3910.3	4072.7	4173.5	4039.8	3890.1	3781.9	3706.5	3702.3
40°	3965.5	3971.9	4045.1	4170.3	4352.9	4445.3	4302.0	4155.5	4045.1	3955.9	3947.4
42.5°	4237.2	4239.3	4316.8	4429.3	4583.2	4638.4	4525.9	4406.0	4315.8	4235.1	4226.6
45°	4496.2	4490.9	4557.8	4641.6	4730.8	4736.1	4673.5	4624.6	4546.1	4477.1	4464.4
47.5°	4697.9	4693.6	4754.1	4799.8	4810.4	4758.4	4778.5	4786.0	4694.7	4601.3	4576.9
50°	4821.0	4829.5	4886.8	4912.3	4849.7	4764.7	4841.2	4822.1	4691.5	4569.4	4530.2
52.5°	4895.3	4908.0	5007.8	5072.6	5007.8	4927.1	4937.8	4825.2	4637.4	4476.0	4425.1
55°	4707.4	4758.4	4973.8	5260.4	5366.6	5310.3	5108.6	4818.9	4470.7	4236.2	4192.6
57.5°	3488.9	3569.6	3889.1	4510.0	5155.3	5360.2	4771.1	4039.8	3512.3	3210.8	3185.3
60°	1781.1	1871.3	2127.1	2765.0	3595.0	3883.8	3323.3	2586.7	2056.0	1811.9	1784.3
62.5°	727.1	741.9	825.8	1072.0	1589.0	1833.1	1610.2	1130.4	849.1	782.3	783.3
65°	572.1	575.3	571.0	585.9	665.5	738.8	682.5	599.7	584.8	592.3	587.0
67.5°	498.9	499.9	496.7	496.7	499.9	496.7	503.1	506.3	508.4	516.9	511.6
70°	417.1	418.2	418.2	420.3	419.3	414.0	423.5	427.8	428.8	434.1	430.9
72.5°	322.7	325.9	328.0	329.0	328.0	324.8	330.1	337.5	336.5	341.8	336.5
75°	218.7	222.9	225.0	229.3	228.2	228.2	234.6	237.8	234.6	238.8	234.6
77.5°	124.2	127.4	133.7	138.0	142.2	145.4	149.7	151.8	150.7	152.8	150.7
80°	72.2	73.2	78.5	80.7	86.0	91.3	95.5	97.7	98.7	99.8	98.7
82.5°	41.4	42.5	44.6	46.7	50.9	55.2	59.4	62.6	62.6	63.7	62.6
85°	20.2	20.2	21.2	22.3	24.4	27.6	30.8	34.0	35.0	35.0	35.0
87.5°	3.2	3.2	4.2	4.2	5.3	6.4	8.5	10.6	11.7	11.7	11.7
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)