

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: P641756

Luminaire Tested: GWS-SA6B-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15240.1 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

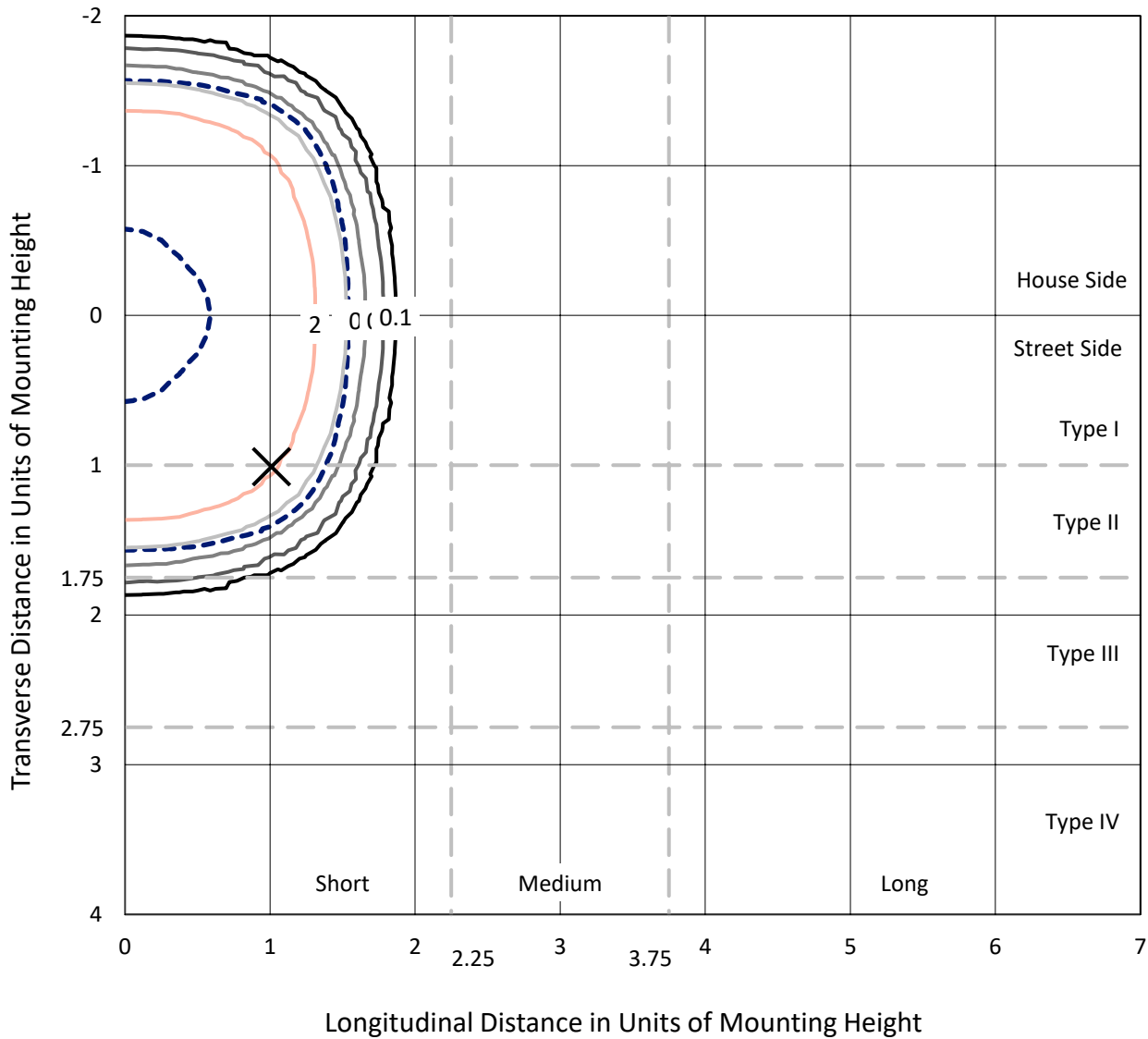
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

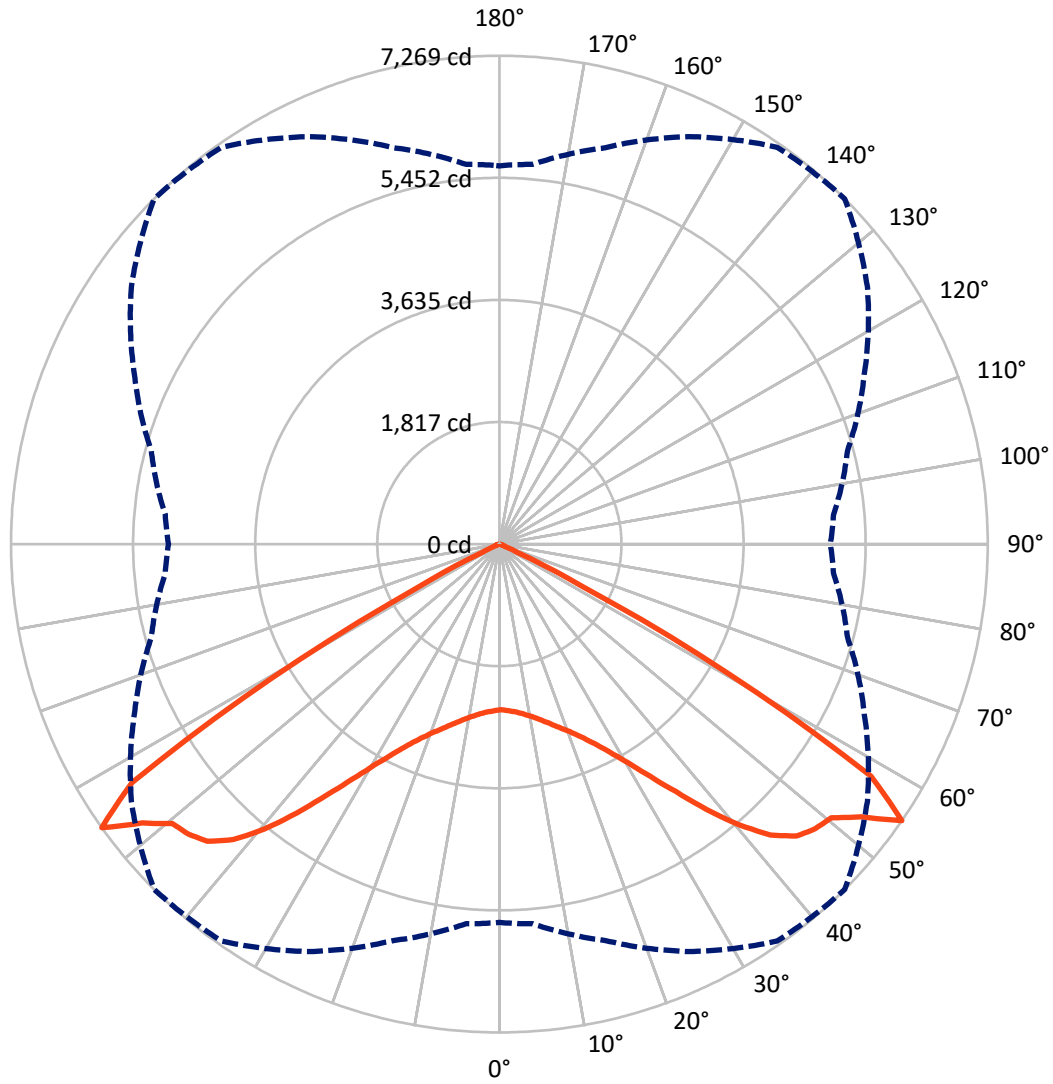
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7620.1	0.0	7620.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7620.1	0.0	7620.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15240.1	0.0	15240.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	1.6
10°-20°	782.6	5.1
20°-30°	1515.6	9.9
30°-40°	2715.2	17.8
40°-50°	4552.2	29.9
50°-60°	4873.0	32.0
60°-70°	535.5	3.5
70°-80°	23.6	0.2
80°-90°	1.1	0.0
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°	15240.1	100.0
0°-180°	15240.1	100.0

Coefficient of Utilization



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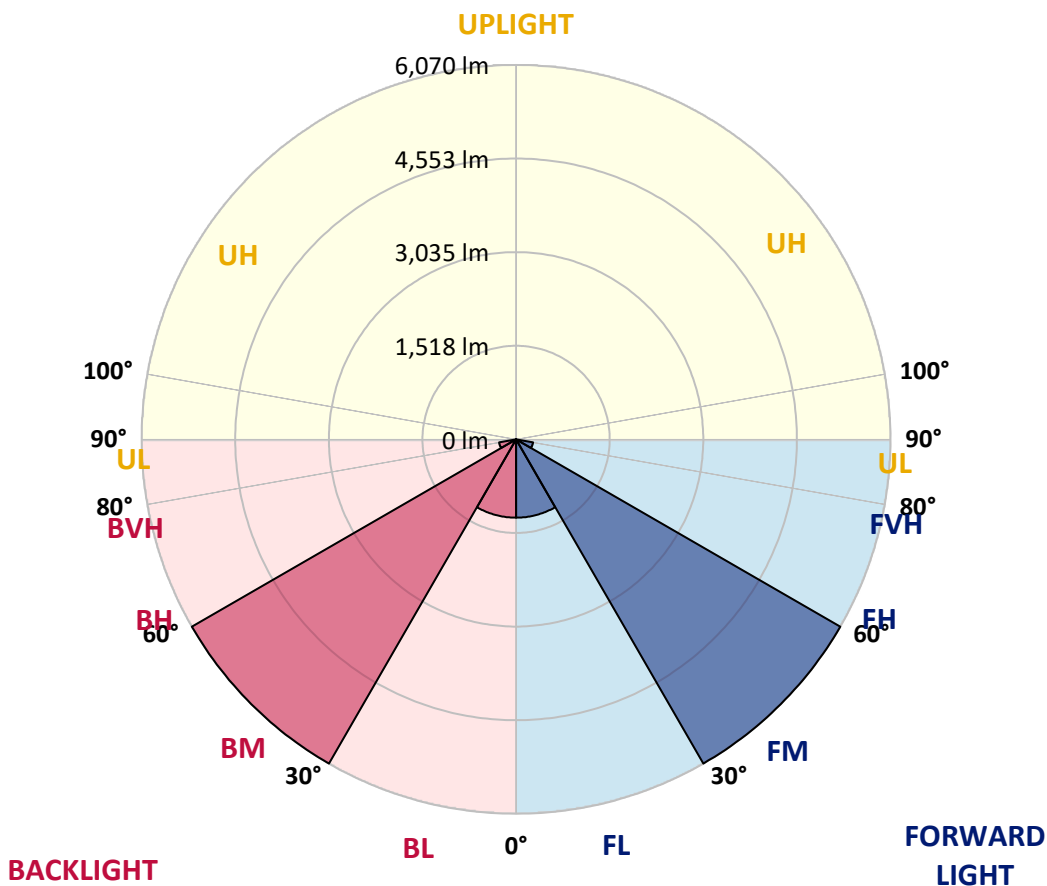
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.8	8.3			
FM (30°-60°)	6070.2	39.8			
FH (60°-80°)	279.5	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1269.8	8.3	B3/2500		
BM (30°-60°)	6070.2	39.8	B4/8500		
BH (60°-80°)	279.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0	2464.0
2.5°	2459.4	2459.4	2465.6	2470.2	2470.2	2482.7	2478.0	2473.3	2473.3	2467.1	2479.6
5°	2495.1	2493.5	2499.7	2502.8	2496.6	2509.1	2501.3	2496.6	2493.5	2487.3	2499.7
7.5°	2533.9	2535.5	2537.0	2543.2	2540.1	2552.5	2546.3	2537.0	2533.9	2524.6	2537.0
10°	2580.5	2580.5	2583.6	2591.3	2592.9	2608.4	2602.2	2591.3	2582.0	2572.7	2585.1
12.5°	2639.5	2641.0	2645.7	2656.6	2662.8	2679.8	2670.5	2648.8	2634.8	2624.0	2637.9
15°	2724.9	2723.3	2729.5	2745.1	2752.8	2765.2	2751.3	2721.8	2704.7	2692.3	2701.6
17.5°	2818.0	2818.0	2821.1	2836.7	2847.5	2866.2	2849.1	2813.4	2797.8	2780.8	2790.1
20°	2920.5	2925.2	2928.3	2939.1	2957.8	2976.4	2962.4	2926.7	2909.6	2887.9	2898.8
22.5°	3055.6	3050.9	3052.5	3071.1	3097.5	3116.1	3105.3	3063.3	3033.8	3016.8	3023.0
25°	3206.2	3204.6	3209.3	3237.2	3266.7	3286.9	3271.4	3217.1	3187.6	3158.1	3170.5
27.5°	3391.0	3392.5	3395.6	3429.8	3476.3	3505.8	3467.0	3412.7	3372.3	3333.5	3342.8
30°	3609.9	3606.8	3616.1	3662.7	3731.0	3777.6	3732.5	3656.5	3599.0	3561.7	3566.4
32.5°	3842.8	3845.9	3870.7	3945.2	4035.3	4117.6	4026.0	3925.1	3850.5	3780.7	3790.0
35°	4094.3	4102.1	4158.0	4268.2	4415.7	4525.9	4398.6	4232.5	4126.9	4036.8	4040.0
37.5°	4390.8	4409.5	4487.1	4651.7	4862.9	5010.4	4824.0	4603.6	4466.9	4355.1	4347.4
40°	4780.6	4802.3	4907.9	5103.5	5359.7	5494.8	5279.0	5052.3	4883.0	4761.9	4743.3
42.5°	5227.7	5255.7	5370.6	5570.9	5827.0	5918.6	5707.5	5516.5	5364.4	5221.5	5215.3
45°	5732.3	5747.9	5841.0	5994.7	6179.5	6201.2	6042.9	5937.3	5783.6	5650.0	5639.2
47.5°	6205.9	6221.4	6285.1	6364.2	6407.7	6330.1	6302.1	6255.6	6056.8	5892.2	5858.1
50°	6566.1	6578.5	6657.7	6688.7	6567.6	6403.1	6457.4	6358.0	6142.2	5957.5	5904.7
52.5°	6541.2	6572.3	6775.7	6952.7	6876.6	6743.1	6597.1	6382.9	6047.5	5794.4	5729.2
55°	5631.4	5673.3	6109.6	6691.9	7212.0	7269.4	6685.6	5994.7	5364.4	4993.3	4926.5
57.5°	3619.2	3630.1	4162.6	4979.3	6151.5	6521.1	5544.5	4519.7	3735.6	3327.3	3299.3
60°	1330.6	1308.9	1711.0	2388.0	3543.1	3934.4	3263.6	2285.5	1630.3	1341.5	1318.2
62.5°	319.8	322.9	400.6	600.9	1111.7	1375.6	1086.8	607.1	386.6	324.5	321.4
65°	161.5	158.4	159.9	172.3	237.6	284.1	232.9	164.6	158.4	159.9	158.4
67.5°	104.0	102.5	105.6	107.1	105.6	99.4	97.8	100.9	100.9	102.5	99.4
70°	63.7	62.1	65.2	69.9	66.8	59.0	62.1	65.2	62.1	60.6	60.6
72.5°	34.2	34.2	37.3	40.4	37.3	34.2	34.2	35.7	34.2	34.2	34.2
75°	15.5	15.5	17.1	18.6	15.5	15.5	15.5	15.5	15.5	15.5	15.5
77.5°	4.7	4.7	6.2	6.2	4.7	4.7	4.7	4.7	6.2	6.2	6.2
80°	1.6	3.1	3.1	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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)