

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: P641810

Luminaire Tested: GWS-SA6B-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641810
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-SA6B-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22121.2 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

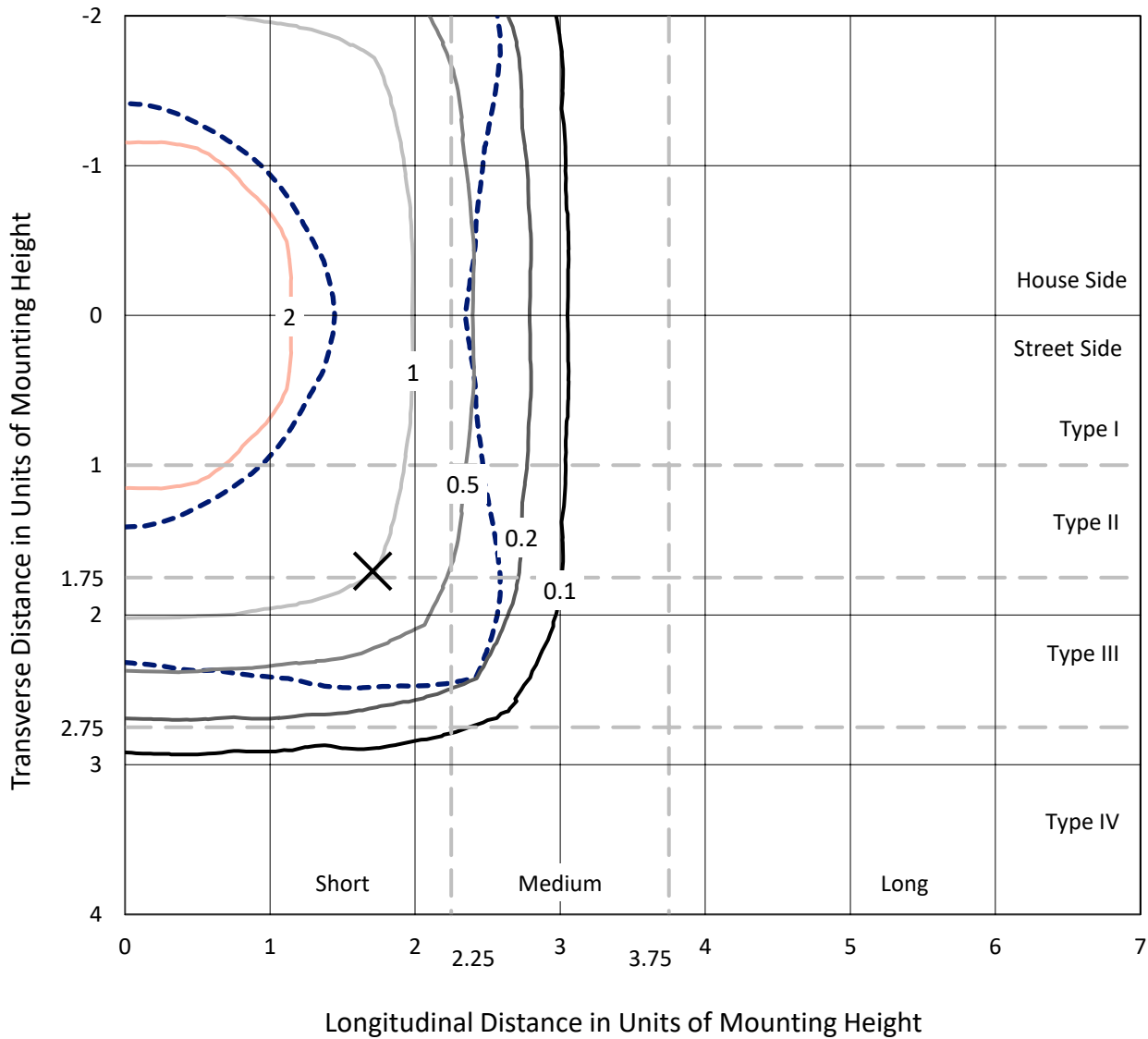
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

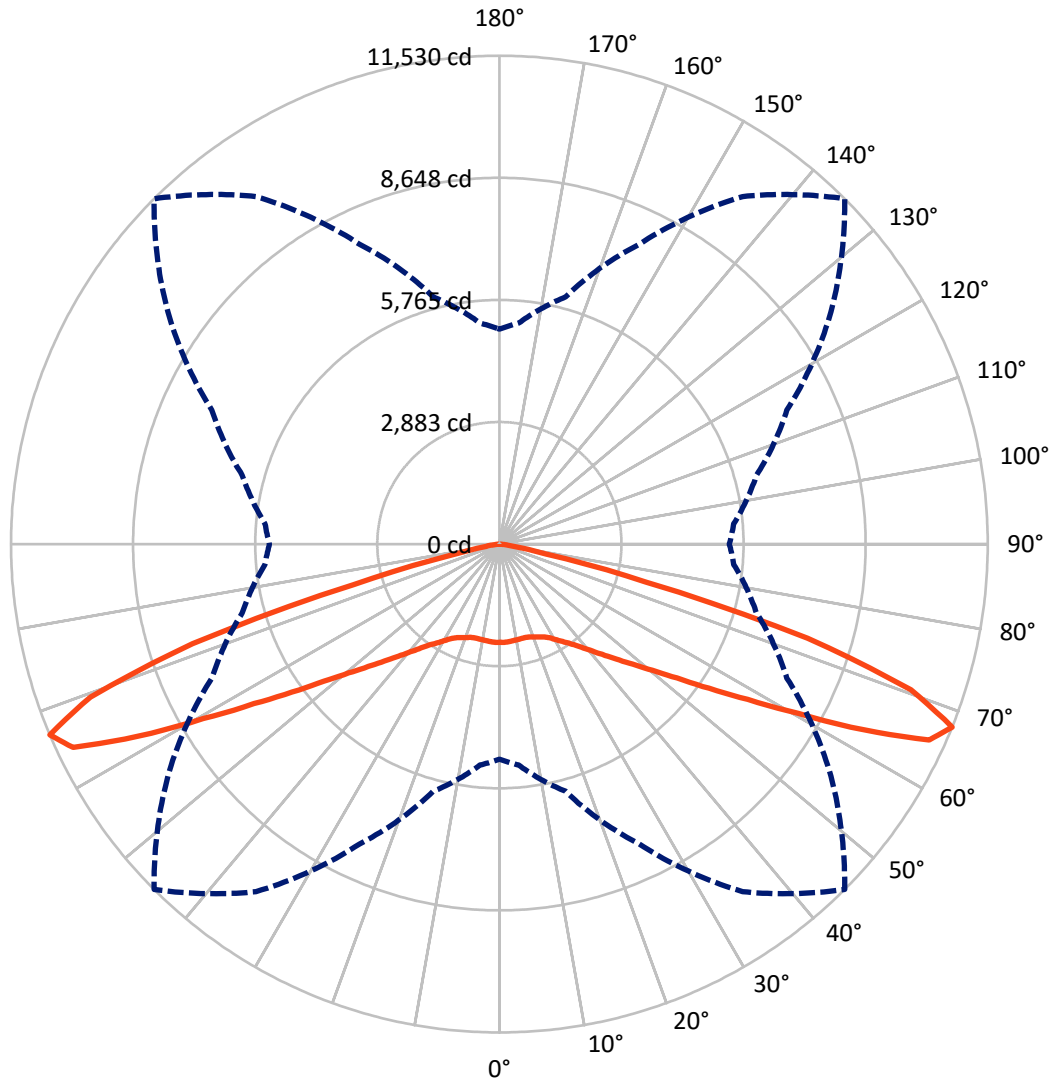
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	11060.6	0.0	11060.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11060.6	0.0	11060.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22121.2	0.0	22121.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	1.0
10°-20°	644.0	2.9
20°-30°	1110.8	5.0
30°-40°	1806.2	8.2
40°-50°	3041.2	13.7
50°-60°	5388.5	24.4
60°-70°	7702.5	34.8
70°-80°	2114.0	9.6
80°-90°	94.7	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°	22121.2	100.0
0°-180°	22121.2	100.0

Coefficient of Utilization



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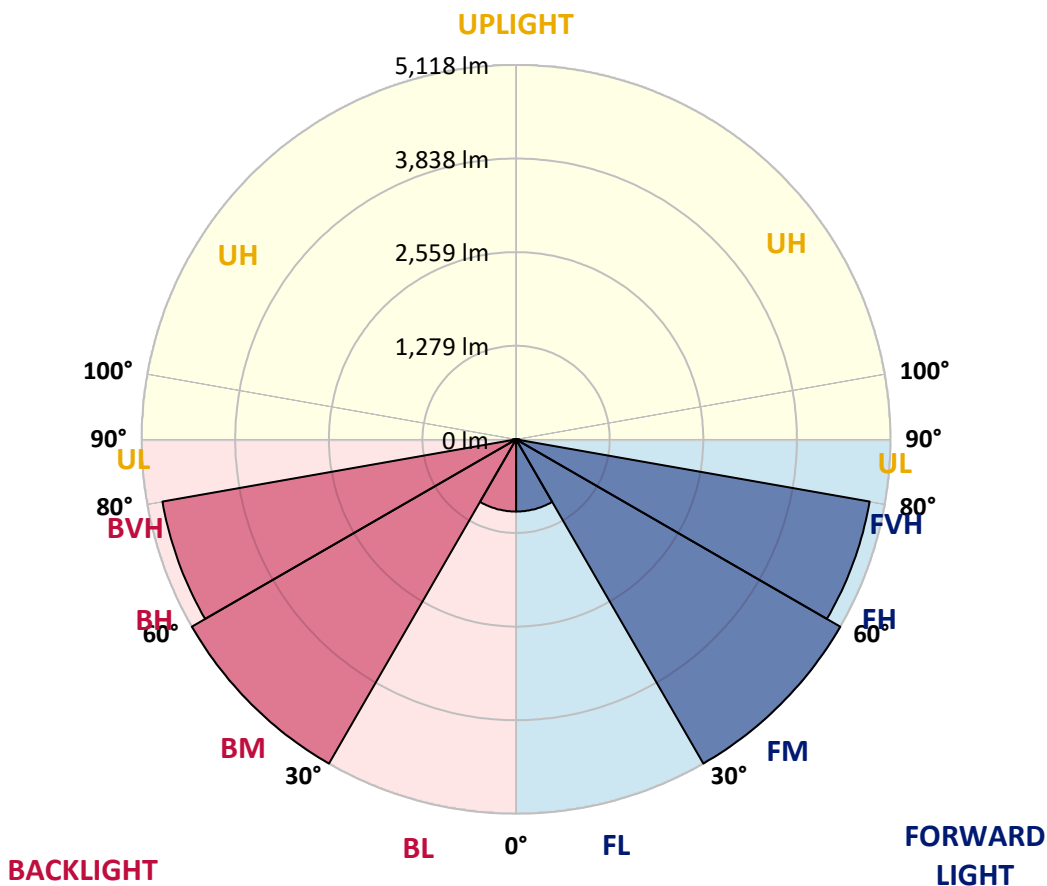
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	987.1	4.5			
FM (30°-60°)	5118.0	23.1			
FH (60°-80°)	4908.2	22.2			G2/5000
FVH (80°-90°)	47.4	0.2			G1/100
BL (0°-30°)	987.1	4.5	B2/1000		
BM (30°-60°)	5118.0	23.1	B4/8500		
BH (60°-80°)	4908.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	47.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8	2316.8
2.5°	2301.5	2300.0	2307.6	2312.2	2310.7	2321.4	2319.9	2316.8	2316.8	2312.2	2324.5
5°	2301.5	2300.0	2306.1	2307.6	2304.6	2313.7	2310.7	2307.6	2307.6	2301.5	2312.2
7.5°	2289.2	2290.8	2295.4	2298.4	2295.4	2303.0	2298.4	2292.3	2290.8	2284.6	2295.4
10°	2266.3	2267.8	2272.4	2280.1	2281.6	2295.4	2287.7	2277.0	2272.4	2266.3	2277.0
12.5°	2252.5	2254.0	2258.6	2267.8	2270.9	2289.2	2281.6	2264.7	2257.1	2251.0	2261.7
15°	2249.4	2251.0	2257.1	2266.3	2270.9	2289.2	2281.6	2261.7	2251.0	2243.3	2252.5
17.5°	2249.4	2252.5	2261.7	2275.5	2284.6	2303.0	2293.8	2270.9	2255.6	2241.8	2251.0
20°	2251.0	2255.6	2269.3	2289.2	2312.2	2338.2	2326.0	2295.4	2273.9	2257.1	2263.2
22.5°	2264.7	2272.4	2289.2	2315.3	2349.0	2379.6	2368.9	2327.5	2296.9	2273.9	2280.1
25°	2312.2	2315.3	2336.7	2370.4	2402.6	2428.6	2417.9	2379.6	2341.3	2313.7	2321.4
27.5°	2396.4	2404.1	2422.5	2457.7	2485.2	2499.0	2497.5	2471.5	2433.2	2408.7	2414.8
30°	2497.5	2505.2	2529.7	2569.5	2597.0	2612.3	2607.7	2587.8	2552.6	2518.9	2525.1
32.5°	2615.4	2618.5	2647.6	2692.0	2721.1	2744.0	2728.7	2707.3	2662.9	2623.1	2626.1
35°	2765.5	2770.1	2800.7	2842.0	2865.0	2883.4	2880.3	2858.9	2811.4	2768.5	2779.2
37.5°	2953.8	2956.9	2984.4	3036.5	3054.9	3068.7	3071.7	3061.0	3012.0	2956.9	2967.6
40°	3188.1	3189.6	3220.3	3266.2	3286.1	3295.3	3296.8	3298.3	3247.8	3206.5	3203.4
42.5°	3460.7	3468.3	3511.2	3555.6	3564.8	3560.2	3575.5	3590.8	3541.8	3485.2	3489.8
45°	3786.8	3791.4	3849.6	3898.6	3881.8	3866.4	3895.5	3926.2	3881.8	3808.3	3786.8
47.5°	4172.7	4181.9	4244.7	4293.7	4266.1	4238.5	4286.0	4318.2	4246.2	4168.1	4148.2
50°	4609.1	4615.2	4704.1	4765.3	4733.1	4682.6	4742.3	4776.0	4679.5	4583.1	4540.2
52.5°	5125.1	5112.9	5230.8	5338.0	5318.1	5252.2	5301.2	5307.4	5163.4	5027.1	4984.3
55°	5754.5	5742.2	5860.2	5978.1	6027.1	6010.2	5987.3	5950.5	5737.7	5592.2	5552.4
57.5°	6488.0	6449.7	6615.1	6774.3	6881.5	6912.1	6814.1	6728.4	6559.9	6380.8	6334.8
60°	7169.4	7167.9	7429.7	7705.3	7999.3	8121.8	7873.8	7641.0	7262.8	6936.6	6870.8
62.5°	7360.8	7393.0	7821.7	8504.7	9230.5	9663.8	9010.0	8239.7	7509.3	7017.8	6930.5
65°	6889.2	6968.8	7578.2	8656.2	10089.5	11149.2	9673.0	8253.5	7235.2	6622.7	6530.9
67.5°	5077.7	5236.9	6043.9	7811.0	10016.0	11530.4	9555.1	7489.4	6284.3	5555.4	5428.3
70°	2505.2	2656.7	3296.8	5138.9	8241.3	10307.0	8267.3	5644.2	4244.7	3543.4	3427.0
72.5°	921.8	983.1	1234.2	2198.9	4547.9	7613.5	5653.4	3152.9	2056.5	1636.9	1558.8
75°	451.7	462.4	500.7	738.1	1678.3	3583.2	2656.7	1209.7	756.4	658.4	637.0
77.5°	287.9	292.5	310.8	352.2	539.0	1128.5	805.4	477.8	370.6	355.3	355.3
80°	160.8	165.4	189.9	219.0	252.7	387.4	289.4	286.3	243.5	212.8	208.3
82.5°	76.6	84.2	121.0	119.4	133.2	194.5	170.0	154.7	156.2	117.9	111.8
85°	35.2	35.2	47.5	56.7	59.7	65.8	78.1	88.8	87.3	59.7	64.3
87.5°	16.8	16.8	16.8	15.3	13.8	12.3	16.8	27.6	39.8	27.6	26.0
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)