

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: P639338

Luminaire Tested: GWS-SA5B-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18723.5 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

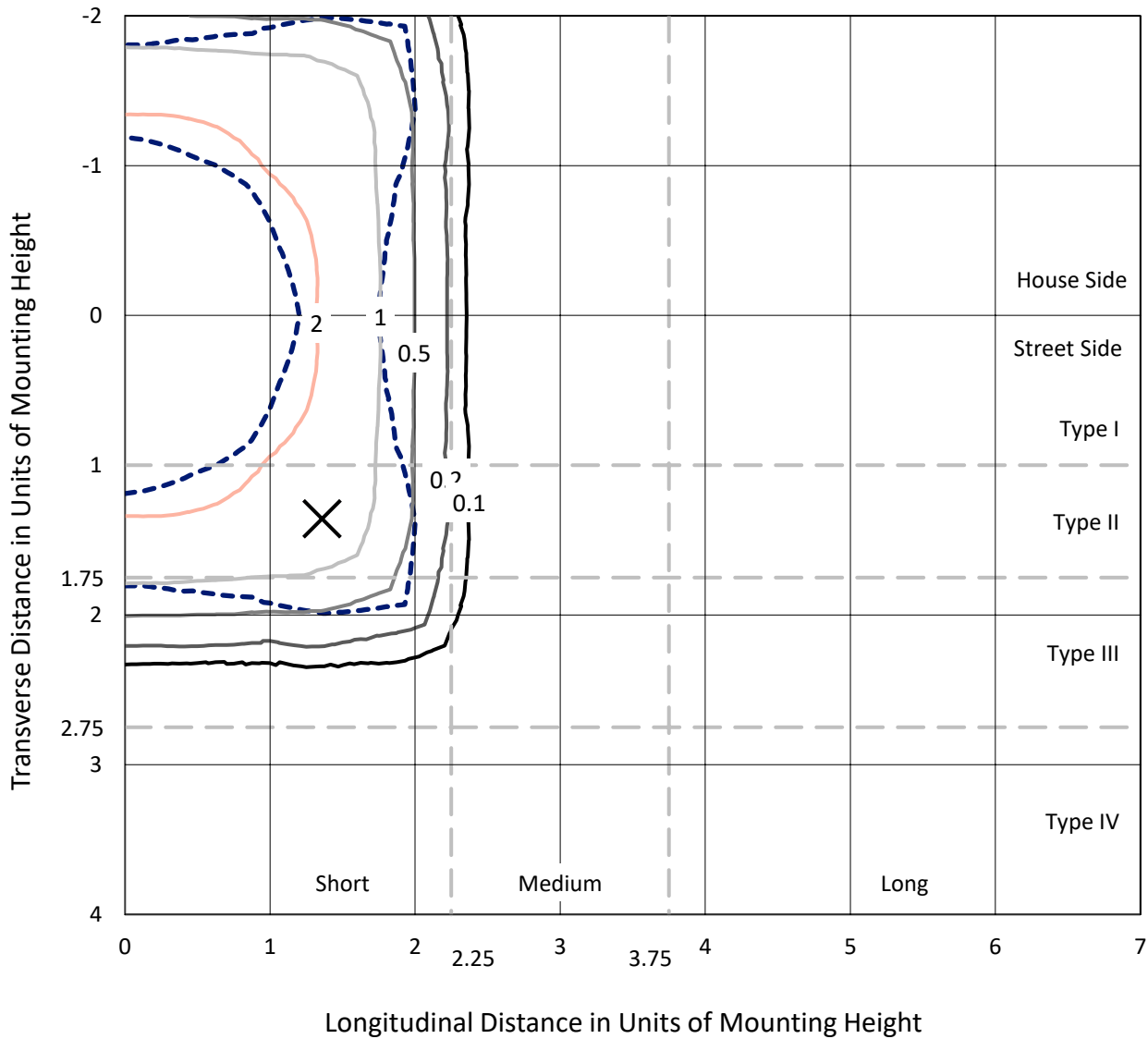
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

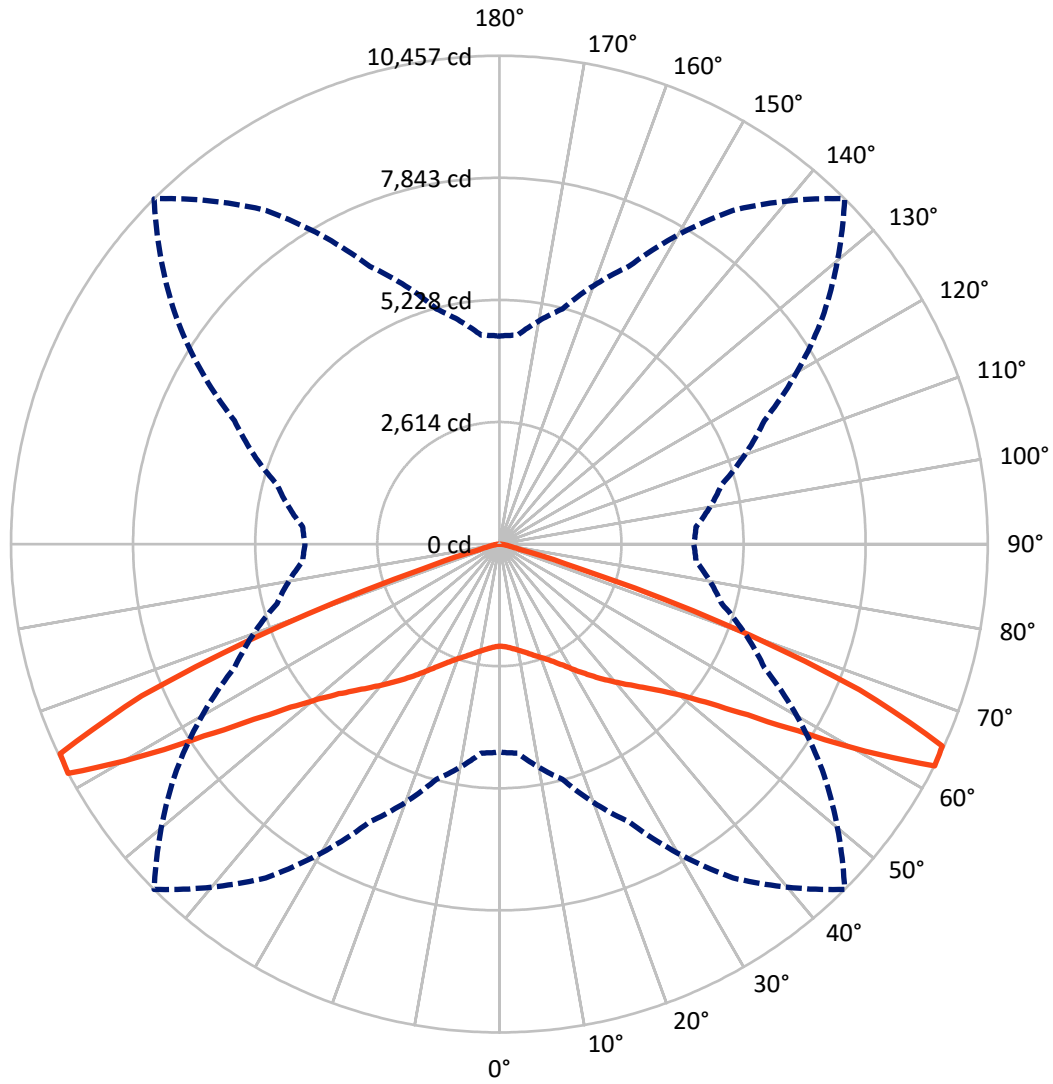
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9361.8	0.0	9361.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9361.8	0.0	9361.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18723.5	0.0	18723.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	1.1
10°-20°	691.1	3.7
20°-30°	1307.5	7.0
30°-40°	2200.8	11.8
40°-50°	3516.2	18.8
50°-60°	5667.9	30.3
60°-70°	4624.4	24.7
70°-80°	449.1	2.4
80°-90°	52.3	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°	18723.5	100.0
0°-180°	18723.5	100.0

Coefficient of Utilization



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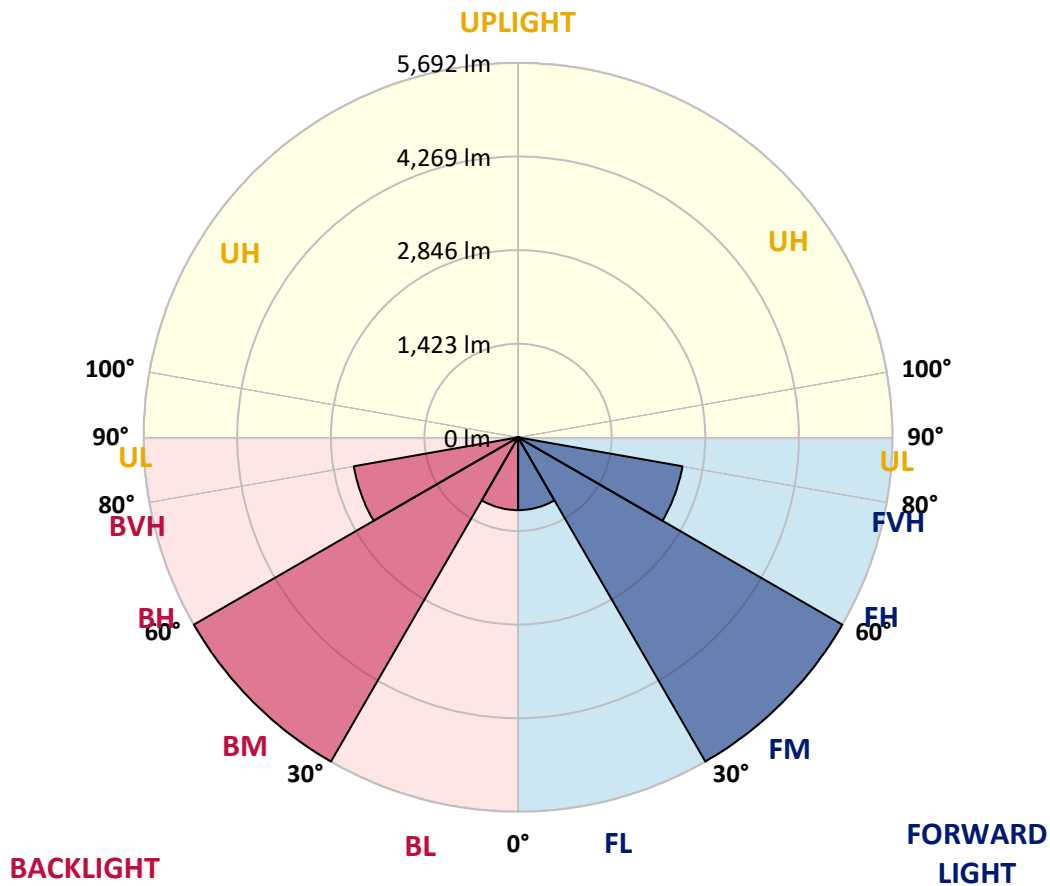
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1106.5	5.9			
FM (30°-60°)	5692.4	30.4			
FH (60°-80°)	2536.7	13.5			G2/5000
FVH (80°-90°)	26.1	0.1			G1/100
BL (0°-30°)	1106.5	5.9	B3/2500		
BM (30°-60°)	5692.4	30.4	B4/8500		
BH (60°-80°)	2536.7	13.5	B4/5000		G2/5000
BVH (80°-90°)	26.1	0.1			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°	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3	2184.3
2.5°	2181.8	2181.8	2186.9	2190.8	2188.2	2198.5	2197.2	2194.6	2193.3	2189.5	2201.0
5°	2211.3	2211.3	2215.2	2219.0	2212.6	2225.4	2220.3	2217.7	2216.5	2211.3	2221.6
7.5°	2244.7	2248.6	2249.8	2256.3	2252.4	2266.5	2262.7	2257.5	2255.0	2248.6	2257.5
10°	2281.9	2284.5	2285.8	2297.4	2298.6	2315.3	2311.5	2305.1	2299.9	2293.5	2306.3
12.5°	2332.0	2333.3	2337.2	2351.3	2355.1	2368.0	2366.7	2357.7	2351.3	2342.3	2356.4
15°	2396.2	2397.5	2403.9	2418.1	2424.5	2439.9	2434.8	2420.6	2411.6	2401.4	2412.9
17.5°	2463.0	2468.1	2474.6	2488.7	2497.7	2515.7	2509.2	2493.8	2486.1	2475.9	2483.6
20°	2549.0	2550.3	2554.2	2569.6	2576.0	2596.6	2597.8	2582.4	2578.6	2568.3	2579.9
22.5°	2644.1	2645.4	2649.2	2665.9	2677.5	2690.3	2698.0	2689.0	2682.6	2669.8	2683.9
25°	2749.4	2762.2	2766.1	2786.6	2799.5	2807.2	2816.2	2812.3	2803.3	2787.9	2794.3
27.5°	2897.1	2899.6	2906.0	2929.2	2936.9	2944.6	2953.6	2954.8	2942.0	2924.0	2933.0
30°	3065.3	3064.0	3078.1	3096.1	3102.5	3108.9	3121.8	3129.5	3112.8	3093.5	3102.5
32.5°	3237.4	3252.8	3270.7	3287.4	3283.6	3286.2	3306.7	3320.8	3297.7	3263.0	3270.7
35°	3431.3	3441.5	3464.7	3489.1	3483.9	3480.1	3492.9	3507.0	3474.9	3430.0	3441.5
37.5°	3630.3	3645.7	3680.4	3709.9	3702.2	3684.2	3698.4	3713.8	3683.0	3631.6	3626.5
40°	3852.5	3876.9	3926.9	3951.3	3930.8	3896.1	3920.5	3957.8	3926.9	3867.9	3853.8
42.5°	4113.2	4142.7	4192.8	4230.0	4185.1	4128.6	4169.7	4223.6	4215.9	4137.5	4113.2
45°	4435.5	4454.7	4516.4	4534.4	4467.6	4389.2	4463.7	4545.9	4526.6	4441.9	4409.8
47.5°	4786.0	4815.6	4869.5	4902.9	4795.0	4697.4	4801.5	4911.9	4891.3	4811.7	4774.5
50°	5232.9	5271.5	5342.1	5370.3	5221.4	5109.7	5243.2	5383.2	5343.4	5236.8	5188.0
52.5°	5719.6	5750.4	5871.2	5927.7	5787.7	5667.0	5783.8	5921.2	5836.5	5695.2	5629.7
55°	6148.5	6179.4	6356.6	6544.1	6537.6	6454.2	6513.2	6515.8	6285.9	6052.2	5982.9
57.5°	6241.0	6271.8	6609.5	7100.1	7446.8	7543.1	7369.8	7005.1	6425.9	6016.3	5937.9
60°	5747.9	5782.6	6319.3	7215.7	8356.0	8999.4	8200.6	6994.8	5993.2	5438.4	5363.9
62.5°	4453.5	4490.7	5212.4	6558.2	8723.3	10456.9	8442.0	6259.0	4929.9	4227.4	4161.9
65°	2126.6	2126.6	3043.4	4703.9	7991.3	10422.2	7743.5	4630.7	2967.7	2279.4	2222.9
67.5°	526.5	529.1	783.3	1831.2	5435.8	8317.5	5524.4	2222.9	1045.3	739.7	720.4
70°	328.7	327.5	363.4	495.7	1901.8	5048.0	2258.8	670.3	425.1	375.0	372.4
72.5°	255.5	255.5	273.5	317.2	498.3	1719.5	658.8	372.4	308.2	277.4	277.4
75°	201.6	201.6	214.5	237.6	294.1	443.0	350.6	276.1	238.9	218.3	215.7
77.5°	150.2	152.8	163.1	178.5	200.3	249.1	222.2	208.0	186.2	170.8	165.7
80°	97.6	101.4	114.3	123.3	131.0	164.4	145.1	151.5	141.3	123.3	120.7
82.5°	52.7	53.9	69.3	71.9	74.5	89.9	92.5	96.3	100.2	78.3	73.2
85°	19.3	19.3	23.1	27.0	29.5	32.1	43.7	53.9	56.5	44.9	43.7
87.5°	3.9	3.9	3.9	2.6	2.6	2.6	7.7	14.1	23.1	18.0	18.0
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)