

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: P639171

Luminaire Tested: GWS-SA5B-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639171
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-SA5B-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12323.2 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

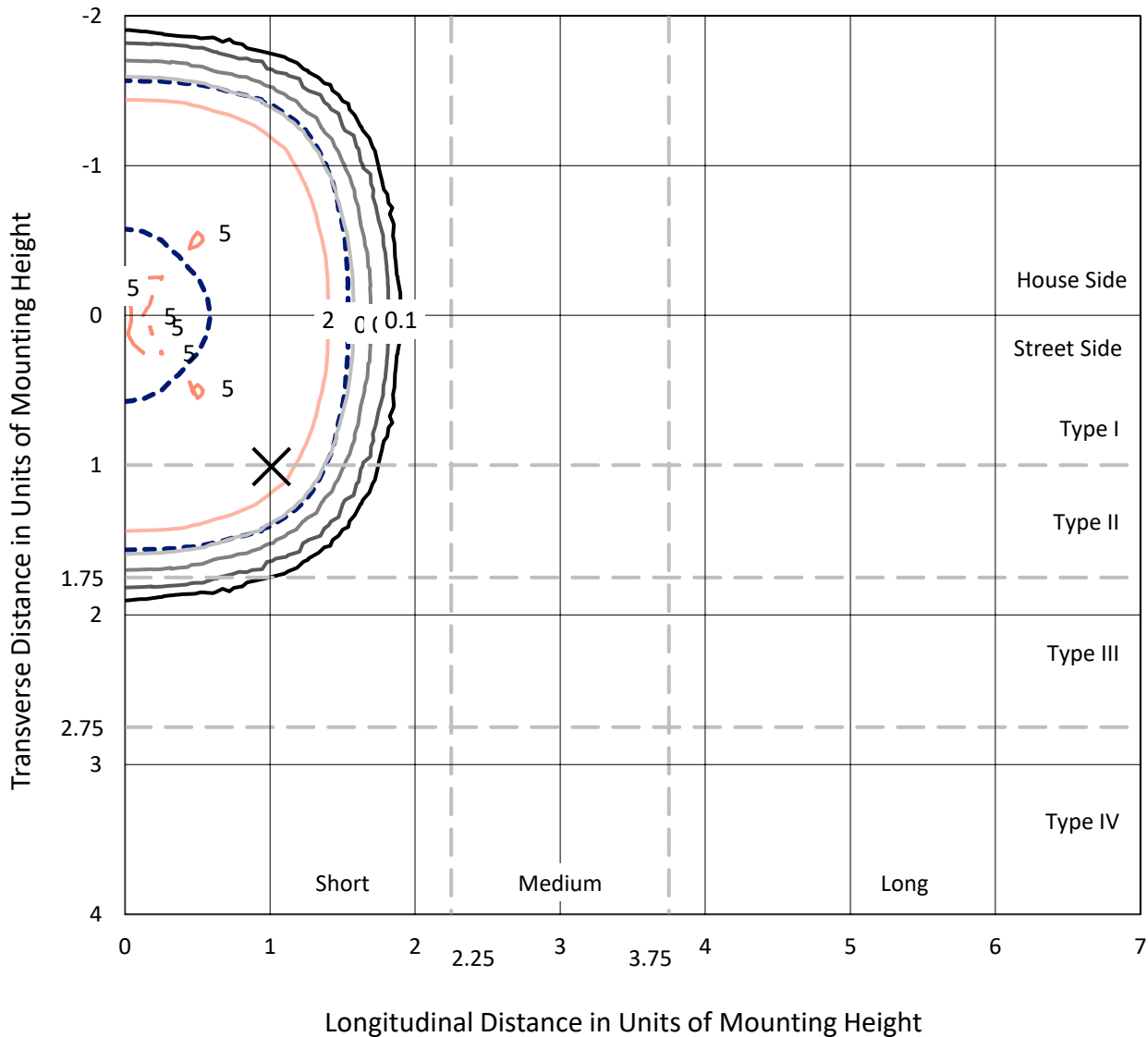
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

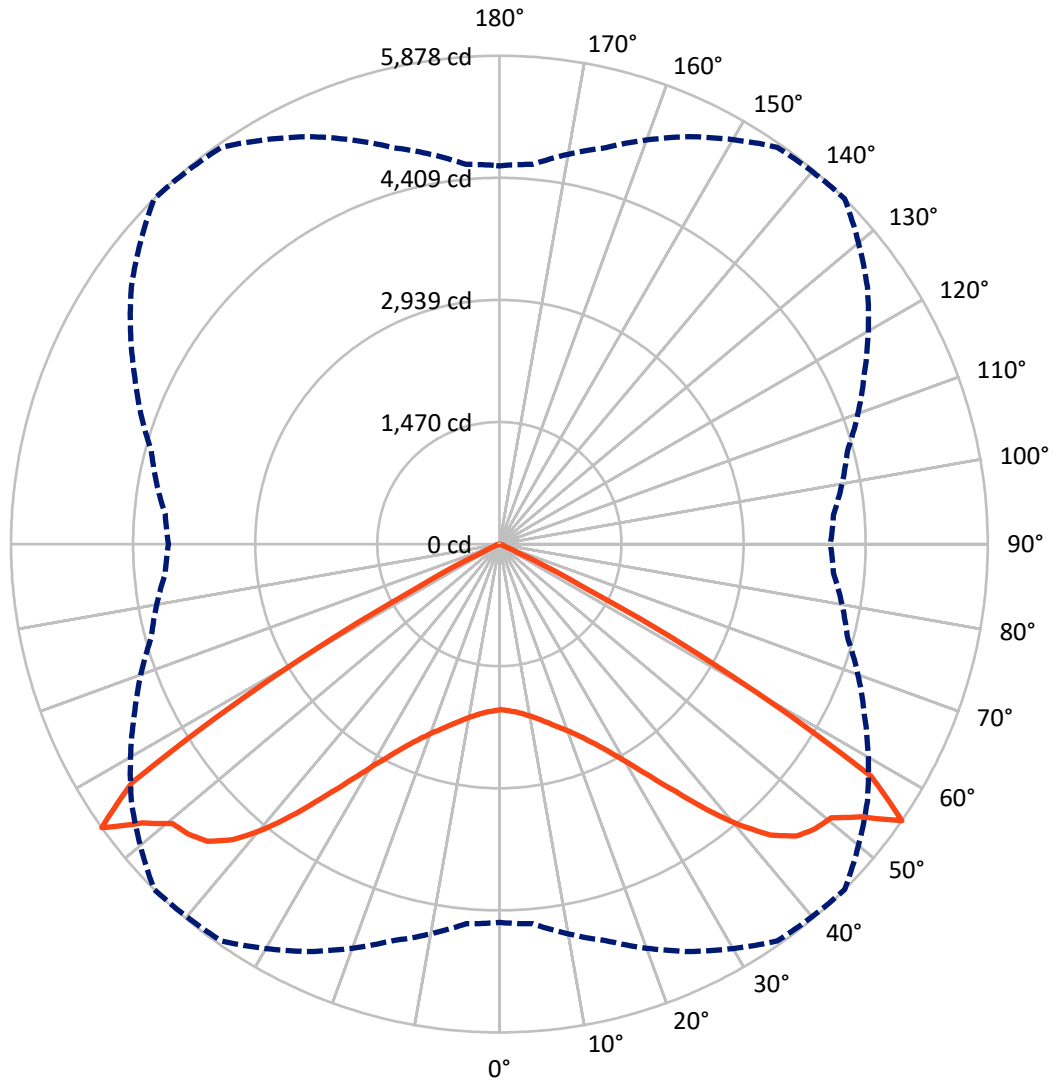
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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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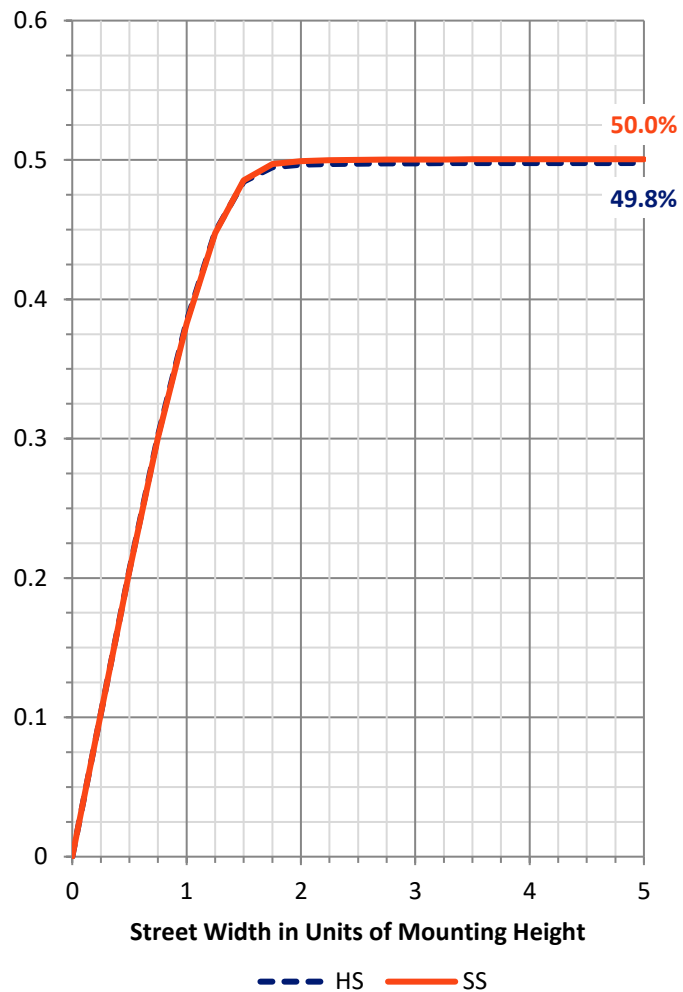
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6161.6	0.0	6161.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6161.6	0.0	6161.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12323.2	0.0	12323.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	1.6
10°-20°	632.8	5.1
20°-30°	1225.5	9.9
30°-40°	2195.5	17.8
40°-50°	3681.0	29.9
50°-60°	3940.3	32.0
60°-70°	433.0	3.5
70°-80°	19.1	0.2
80°-90°	0.9	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°	12323.2	100.0
0°-180°	12323.2	100.0

Coefficient of Utilization



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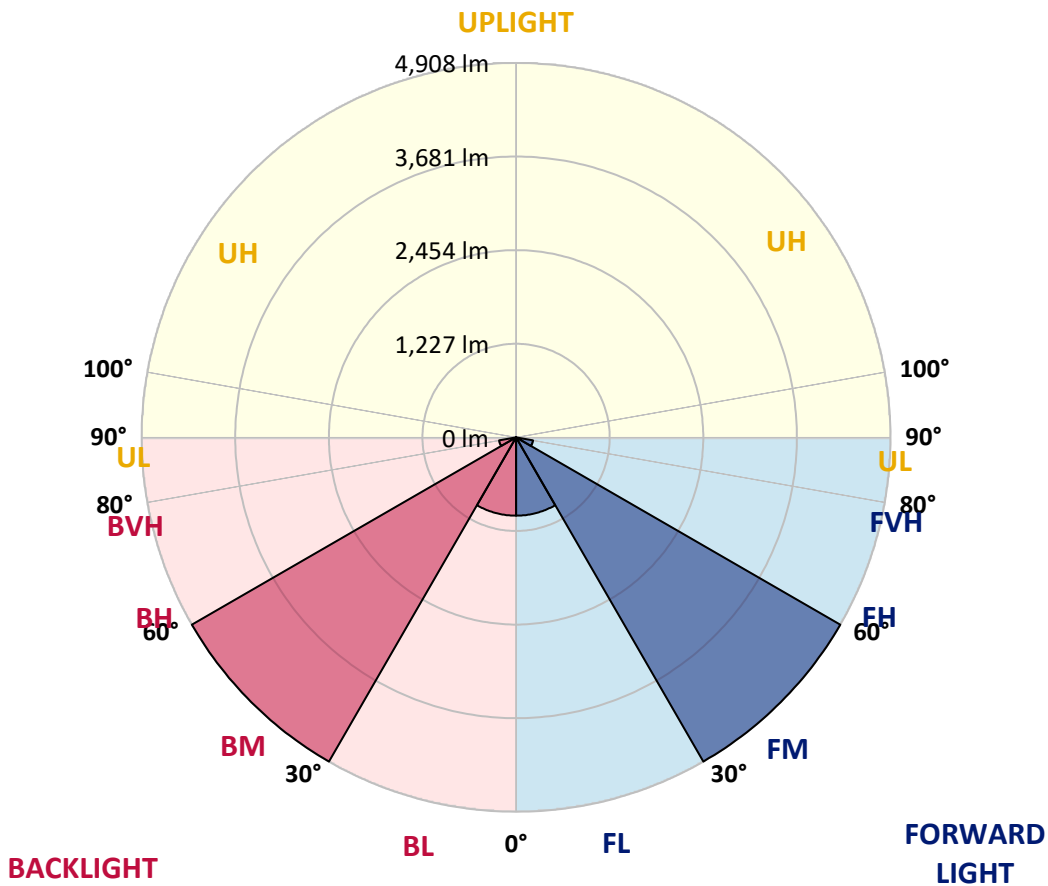
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1026.7	8.3			
FM (30°-60°)	4908.4	39.8			
FH (60°-80°)	226.0	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1026.7	8.3	B3/2500		
BM (30°-60°)	4908.4	39.8	B3/5000		
BH (60°-80°)	226.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4
2.5°	1988.7	1988.7	1993.7	1997.4	1997.4	2007.5	2003.7	2000.0	2000.0	1994.9	2005.0
5°	2017.5	2016.3	2021.3	2023.8	2018.8	2028.8	2022.6	2018.8	2016.3	2011.3	2021.3
7.5°	2048.9	2050.2	2051.4	2056.5	2053.9	2064.0	2059.0	2051.4	2048.9	2041.4	2051.4
10°	2086.6	2086.6	2089.1	2095.4	2096.6	2109.2	2104.2	2095.4	2087.8	2080.3	2090.4
12.5°	2134.3	2135.5	2139.3	2148.1	2153.1	2166.9	2159.4	2141.8	2130.5	2121.7	2133.0
15°	2203.3	2202.1	2207.1	2219.7	2225.9	2236.0	2224.7	2200.8	2187.0	2177.0	2184.5
17.5°	2278.7	2278.7	2281.2	2293.7	2302.5	2317.6	2303.8	2274.9	2262.3	2248.5	2256.1
20°	2361.5	2365.3	2367.8	2376.6	2391.7	2406.7	2395.4	2366.6	2352.7	2335.2	2344.0
22.5°	2470.8	2467.0	2468.2	2483.3	2504.7	2519.7	2510.9	2477.0	2453.2	2439.4	2444.4
25°	2592.5	2591.3	2595.0	2617.6	2641.5	2657.8	2645.3	2601.3	2577.5	2553.6	2563.7
27.5°	2741.9	2743.2	2745.7	2773.3	2811.0	2834.8	2803.5	2759.5	2726.9	2695.5	2703.0
30°	2919.0	2916.4	2924.0	2961.6	3016.9	3054.5	3018.1	2956.6	2910.2	2880.0	2883.8
32.5°	3107.3	3109.8	3129.9	3190.1	3263.0	3329.5	3255.4	3173.8	3113.6	3057.1	3064.6
35°	3310.7	3316.9	3362.1	3451.3	3570.5	3659.7	3556.7	3422.4	3337.0	3264.2	3266.7
37.5°	3550.5	3565.5	3628.3	3761.4	3932.1	4051.4	3900.7	3722.5	3612.0	3521.6	3515.3
40°	3865.6	3883.2	3968.5	4126.7	4333.9	4443.1	4268.6	4085.3	3948.4	3850.5	3835.4
42.5°	4227.2	4249.8	4342.7	4504.6	4711.8	4785.8	4615.1	4460.7	4337.6	4222.1	4217.1
45°	4635.2	4647.7	4723.1	4847.4	4996.8	5014.3	4886.3	4800.9	4676.6	4568.6	4559.9
47.5°	5018.1	5030.7	5082.1	5146.2	5181.3	5118.5	5095.9	5058.3	4897.6	4764.5	4736.9
50°	5309.4	5319.4	5383.4	5408.5	5310.6	5177.5	5221.5	5141.1	4966.6	4817.2	4774.5
52.5°	5289.3	5314.4	5478.9	5622.0	5560.5	5452.5	5334.5	5161.2	4890.0	4685.4	4632.7
55°	4553.6	4587.5	4940.3	5411.1	5831.6	5878.1	5406.0	4847.4	4337.6	4037.6	3983.6
57.5°	2926.5	2935.3	3365.9	4026.3	4974.2	5273.0	4483.3	3654.7	3020.7	2690.5	2667.9
60°	1075.9	1058.4	1383.5	1930.9	2865.0	3181.3	2639.0	1848.0	1318.2	1084.7	1065.9
62.5°	258.6	261.1	323.9	485.9	898.9	1112.3	878.8	490.9	312.6	262.4	259.9
65°	130.6	128.1	129.3	139.4	192.1	229.8	188.3	133.1	128.1	129.3	128.1
67.5°	84.1	82.9	85.4	86.6	85.4	80.3	79.1	81.6	81.6	82.9	80.3
70°	51.5	50.2	52.7	56.5	54.0	47.7	50.2	52.7	50.2	49.0	49.0
72.5°	27.6	27.6	30.1	32.6	30.1	27.6	27.6	28.9	27.6	27.6	27.6
75°	12.6	12.6	13.8	15.1	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	3.8	3.8	5.0	5.0	3.8	3.8	3.8	3.8	5.0	5.0	5.0
80°	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)