

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P953735

Luminaire Tested: **GALN-SB7A-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23255 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

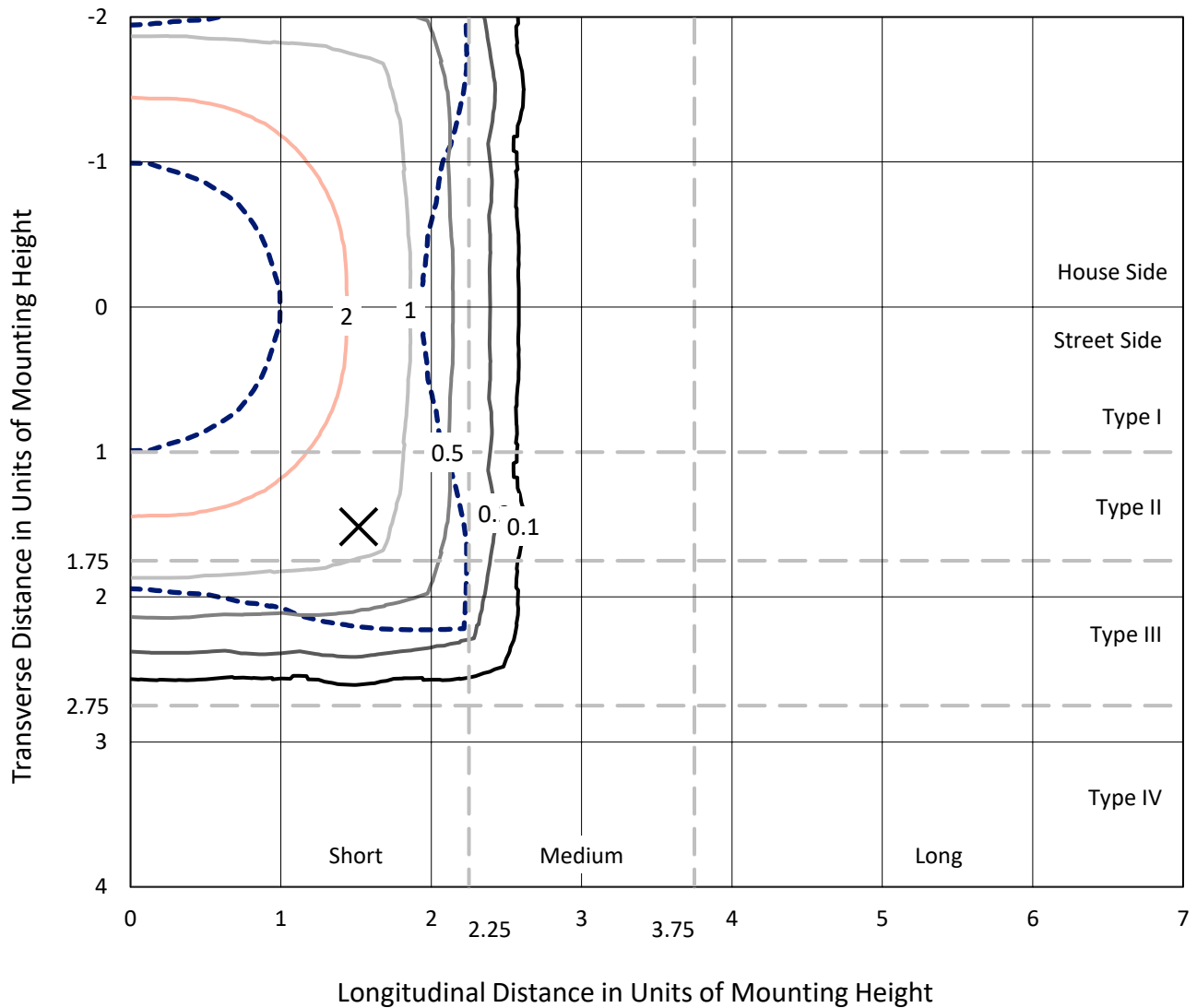
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

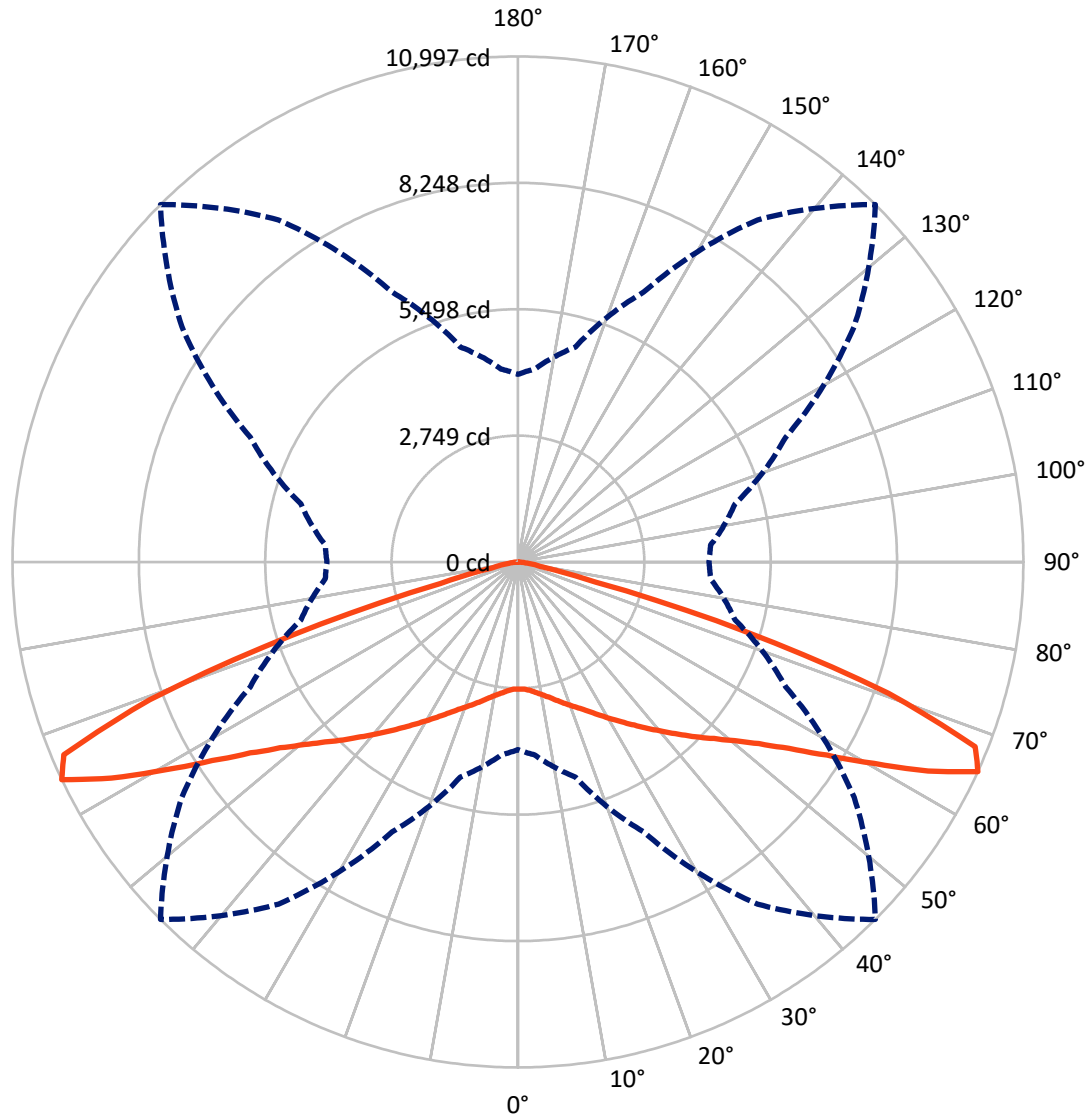
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11627.5	0.0	11627.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11627.5	0.0	11627.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23255.0	0.0	23255.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	1.2
10°-20°	891.3	3.8
20°-30°	1682.8	7.2
30°-40°	2755.5	11.8
40°-50°	4272.4	18.4
50°-60°	6311.3	27.1
60°-70°	6007.8	25.8
70°-80°	969.4	4.2
80°-90°	91.4	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°	23255.0	100.0
0°-180°	23255.0	100.0

Coefficient of Utilization



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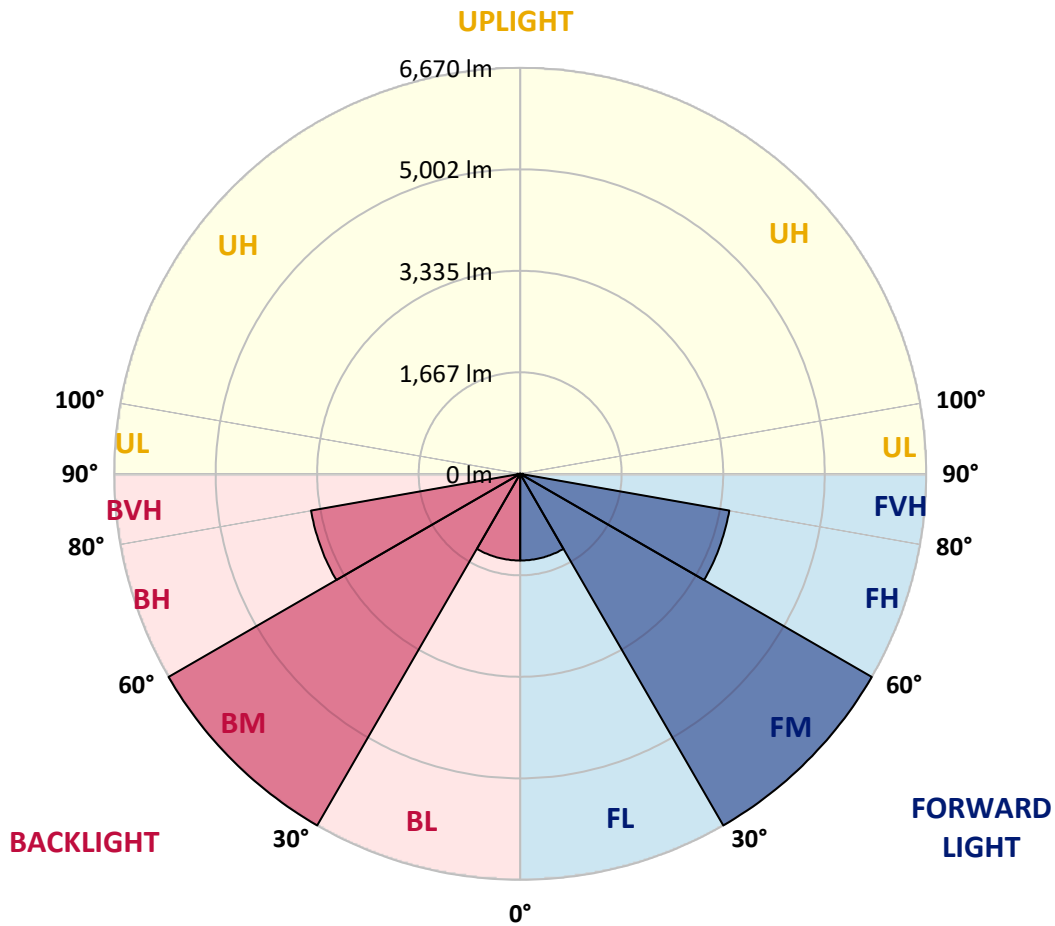
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1423.6	6.1			
FM (30°-60°)	6669.6	28.7			
FH (60°-80°)	3488.6	15.0			G2/5000
FVH (80°-90°)	45.7	0.2			G1/100
BL (0°-30°)	1423.6	6.1	B3/2500		
BM (30°-60°)	6669.6	28.7	B4/8500		
BH (60°-80°)	3488.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	45.7	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°
0°	2767.6	2767.6	2767.6	2767.6	2767.6	2767.6	2767.6	2767.6	2767.6	2767.6
2.5°	2786.2	2776.9	2783.9	2778.1	2773.4	2768.7	2771.1	2779.2	2782.7	2783.9
5°	2823.6	2815.4	2818.9	2818.9	2810.7	2808.4	2809.6	2815.4	2822.4	2822.4
7.5°	2884.3	2876.1	2884.3	2879.6	2872.6	2870.3	2869.1	2873.8	2884.3	2884.3
10°	2957.8	2948.4	2953.1	2950.8	2942.6	2939.1	2937.9	2944.9	2954.3	2953.1
12.5°	3038.3	3027.8	3033.6	3026.6	3024.3	3020.8	3020.8	3019.6	3025.4	3020.8
15°	3128.1	3121.1	3123.4	3118.8	3122.3	3119.9	3110.6	3105.9	3108.3	3101.3
17.5°	3234.3	3218.0	3226.1	3223.8	3223.8	3228.5	3213.3	3207.4	3212.1	3205.1
20°	3356.8	3340.5	3344.0	3339.3	3333.5	3338.1	3319.5	3324.1	3327.6	3323.0
22.5°	3491.0	3470.0	3468.8	3471.1	3458.3	3459.5	3446.6	3458.3	3465.3	3452.5
25°	3628.7	3606.5	3621.7	3615.8	3599.5	3603.0	3593.7	3605.3	3611.2	3594.8
27.5°	3774.5	3759.3	3773.3	3776.8	3757.0	3771.0	3757.0	3767.5	3773.3	3748.8
30°	3944.8	3929.7	3942.5	3951.8	3928.5	3950.7	3939.0	3946.0	3947.2	3918.0
32.5°	4130.4	4107.0	4139.7	4144.4	4118.7	4145.5	4130.4	4139.7	4145.5	4105.9
35°	4356.7	4327.5	4364.9	4359.1	4336.9	4359.1	4345.1	4359.1	4373.1	4325.2
37.5°	4600.6	4570.2	4609.9	4599.4	4578.4	4593.6	4585.4	4594.7	4616.9	4565.6
40°	4868.9	4831.6	4885.3	4866.6	4846.8	4844.4	4849.1	4854.9	4884.1	4826.9
42.5°	5156.0	5116.3	5196.8	5167.6	5139.6	5121.0	5136.1	5147.8	5175.8	5111.6
45°	5483.8	5438.3	5543.3	5508.3	5464.0	5425.5	5450.0	5467.5	5508.3	5431.3
47.5°	5845.5	5794.2	5906.2	5895.7	5823.3	5739.3	5795.3	5845.5	5875.9	5782.5
50°	6199.0	6159.4	6306.4	6319.2	6230.5	6112.7	6190.9	6266.7	6274.9	6152.4
52.5°	6530.4	6490.7	6704.3	6784.8	6705.4	6565.4	6648.3	6725.3	6663.4	6504.7
55°	6795.3	6762.6	7034.5	7242.1	7269.0	7153.5	7202.5	7200.1	6997.1	6753.3
57.5°	6859.4	6854.8	7197.8	7637.7	7917.7	7931.7	7834.9	7587.5	7150.0	6822.1
60°	6567.7	6596.9	7068.3	7844.2	8590.9	8901.3	8482.4	7776.5	6976.1	6521.1
62.5°	5695.0	5772.0	6340.2	7592.2	9134.6	10016.7	9001.6	7489.5	6262.1	5668.2
65°	4081.4	4215.5	4843.3	6479.1	9085.6	10996.8	8927.0	6426.6	4889.9	4205.0
67.5°	1851.7	1988.2	2521.4	4436.1	7897.9	10730.8	7879.2	4482.7	2647.4	1995.2
70°	670.9	694.2	865.7	1775.8	5047.4	8550.1	5263.3	1788.7	920.6	739.7
72.5°	406.0	409.5	445.7	635.9	1753.7	5191.0	1828.3	656.9	455.0	403.7
75°	257.9	255.5	317.4	388.5	621.9	1751.3	652.2	388.5	316.2	288.2
77.5°	185.5	191.4	227.5	290.5	392.0	593.9	385.0	277.7	227.5	186.7
80°	138.8	142.3	165.7	226.4	275.4	369.9	245.0	205.4	171.5	116.7
82.5°	100.3	100.3	108.5	164.5	168.0	199.5	133.0	144.7	113.2	82.8
85°	59.5	58.3	67.7	98.0	87.5	73.5	60.7	88.7	71.2	51.3
87.5°	21.0	22.2	21.0	28.0	23.3	19.8	18.7	24.5	19.8	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2767.6
2783.9
2822.4
2880.8
2950.8
3023.1
3102.4
3211.0
3333.5
3465.3
3613.5
3767.5
3935.5
4132.7
4354.4
4597.1
4845.6
5145.5
5471.0
5814.0
6167.5
6509.4
6761.4
6801.1
6467.4
5633.2
4154.9
1966.0
730.4
410.7
290.5
190.2
120.2
82.8
50.2
16.3
0.0

OF REPORT)