

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: P953734

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23241 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

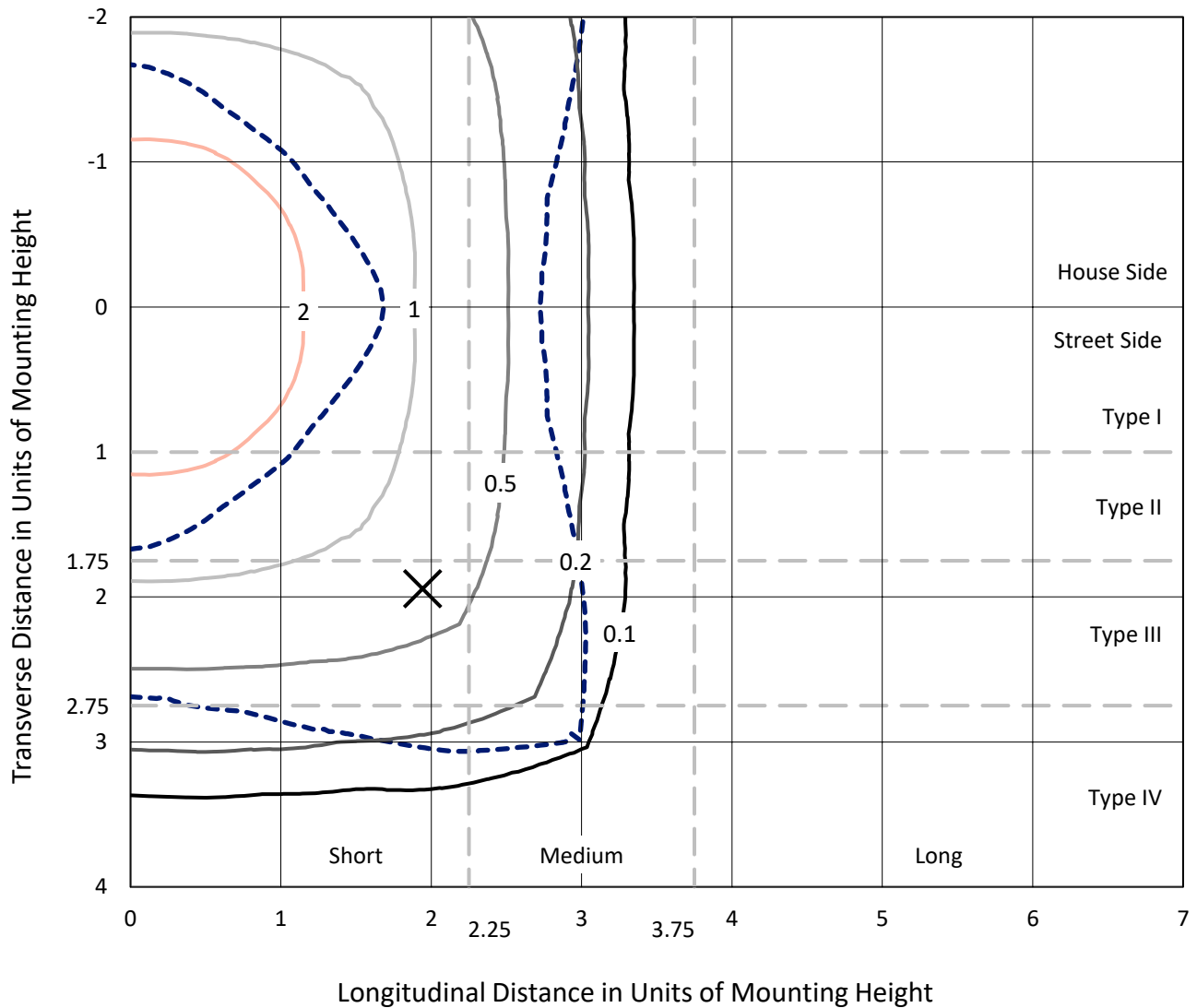
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

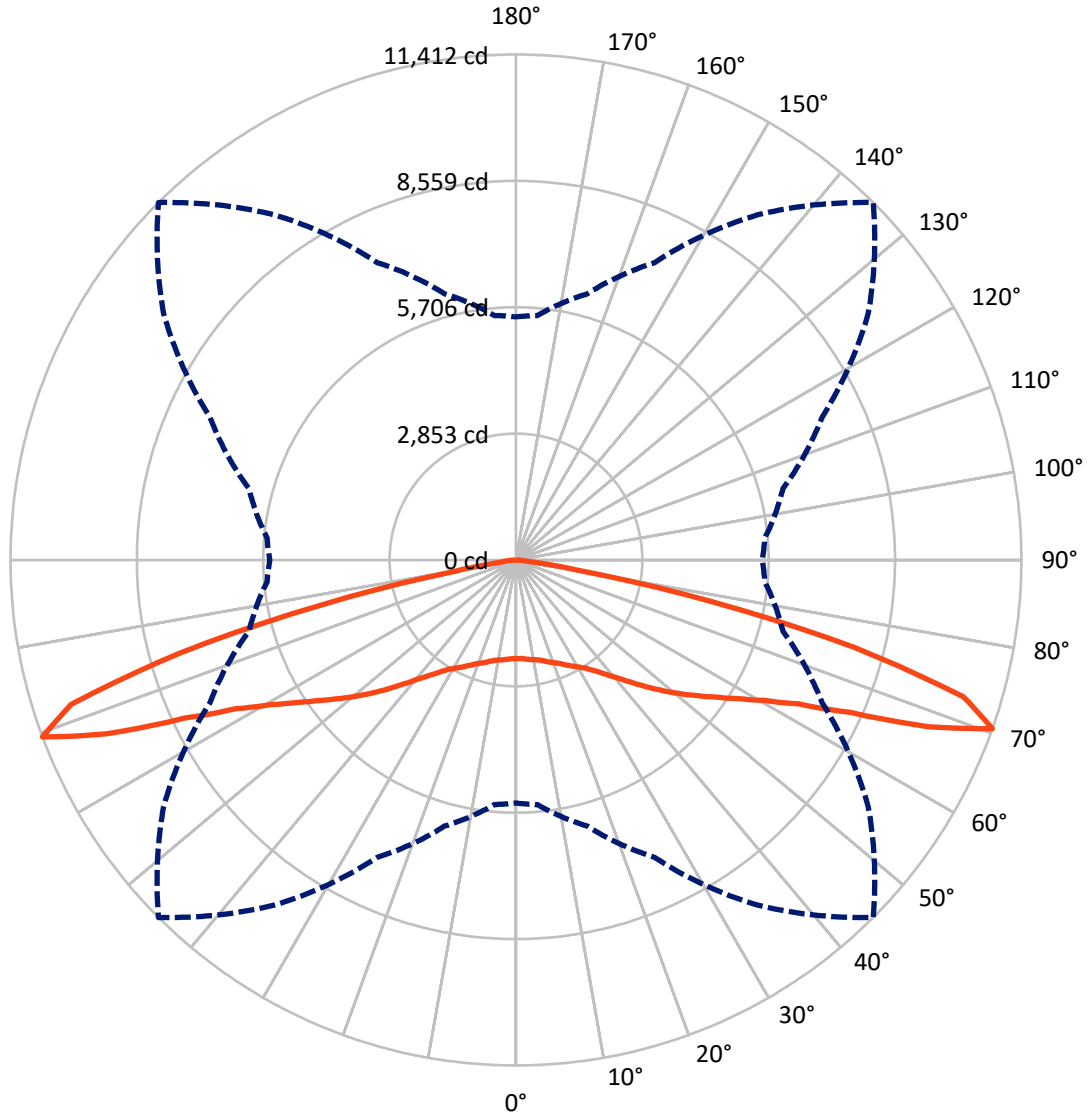
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11620.5	0.0	11620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11620.5	0.0	11620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23241.0	0.0	23241.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	0.9
10°-20°	670.7	2.9
20°-30°	1198.5	5.2
30°-40°	1942.8	8.4
40°-50°	3164.6	13.6
50°-60°	4824.9	20.8
60°-70°	7177.9	30.9
70°-80°	3912.2	16.8
80°-90°	133.2	0.6
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°	23241.0	100.0
0°-180°	23241.0	100.0



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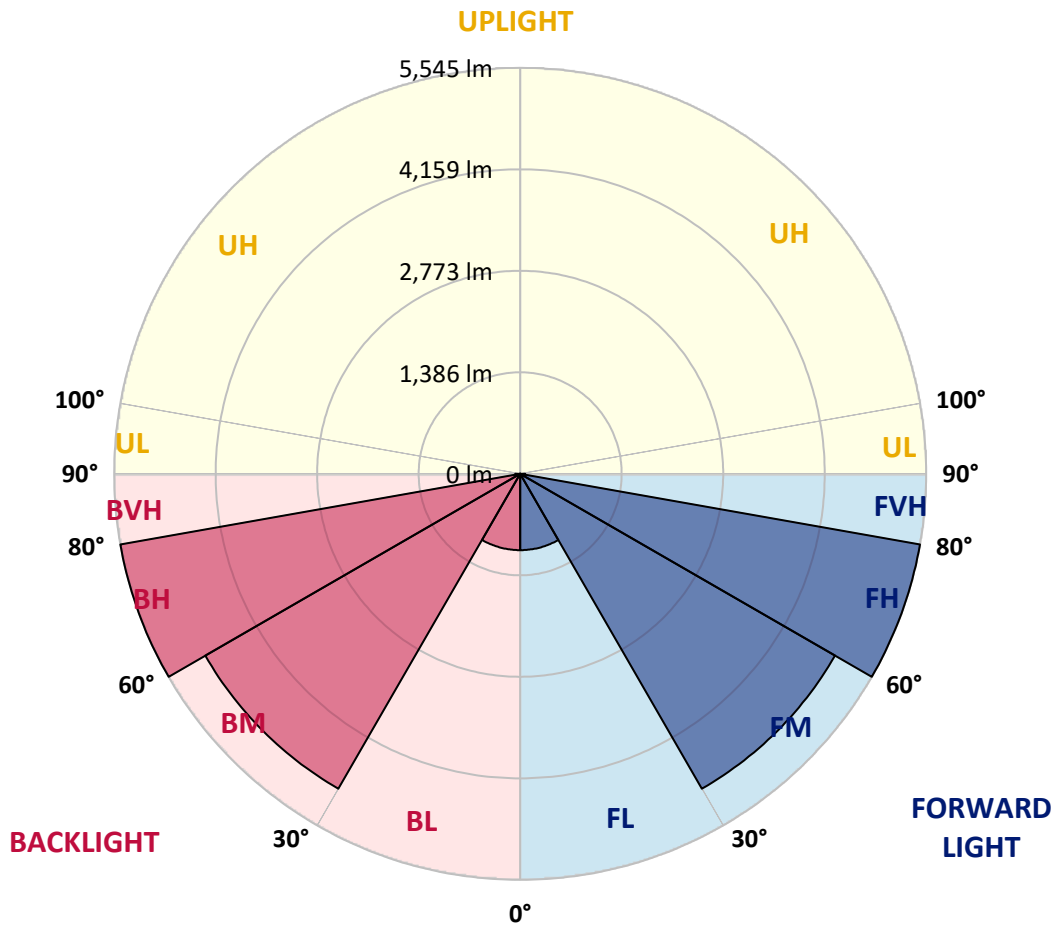
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1042.7	4.5			
FM (30°-60°)	4966.1	21.4			
FH (60°-80°)	5545.0	23.9			G3/7500
FVH (80°-90°)	66.6	0.3			G1/100
BL (0°-30°)	1042.7	4.5	B3/2500		
BM (30°-60°)	4966.1	21.4	B3/5000		
BH (60°-80°)	5545.0	23.9	B5		G3/7500
BVH (80°-90°)	66.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2226.2	2226.2	2226.2	2226.2	2226.2	2226.2	2226.2	2226.2	2226.2	2226.2
2.5°	2236.7	2239.1	2234.4	2232.1	2229.7	2226.2	2227.4	2233.2	2237.9	2236.7
5°	2255.4	2257.8	2254.3	2253.1	2248.4	2247.2	2247.2	2253.1	2256.6	2254.3
7.5°	2276.4	2279.9	2274.1	2272.9	2270.6	2268.3	2267.1	2272.9	2276.4	2276.4
10°	2296.3	2299.8	2295.1	2291.6	2289.3	2289.3	2286.9	2291.6	2297.4	2296.3
12.5°	2317.3	2319.6	2314.9	2312.6	2312.6	2316.1	2312.6	2314.9	2319.6	2317.3
15°	2342.9	2344.1	2342.9	2346.4	2352.3	2363.9	2353.4	2351.1	2353.4	2347.6
17.5°	2377.9	2380.3	2384.9	2393.1	2401.3	2422.3	2403.6	2397.8	2397.8	2386.1
20°	2421.1	2424.6	2431.6	2445.6	2456.1	2475.9	2457.3	2449.1	2445.6	2430.4
22.5°	2466.6	2472.4	2482.9	2501.6	2520.3	2538.9	2520.3	2506.3	2495.8	2475.9
25°	2519.1	2526.1	2542.4	2572.8	2598.5	2625.3	2603.1	2575.1	2554.1	2526.1
27.5°	2593.8	2602.0	2621.8	2659.1	2691.8	2715.1	2694.1	2658.0	2628.8	2595.0
30°	2698.8	2707.0	2730.3	2770.0	2792.1	2807.3	2793.3	2765.3	2730.3	2691.8
32.5°	2834.1	2844.6	2870.3	2907.7	2912.3	2914.7	2910.0	2896.0	2870.3	2823.6
35°	3005.7	3017.3	3046.5	3076.8	3072.2	3076.8	3069.8	3065.2	3046.5	2992.8
37.5°	3215.7	3229.7	3260.0	3283.4	3271.7	3265.9	3267.0	3268.2	3257.7	3198.2
40°	3459.6	3478.2	3500.4	3524.9	3505.1	3487.6	3499.2	3508.6	3499.2	3438.5
42.5°	3710.4	3737.2	3760.6	3795.6	3779.3	3757.1	3773.4	3783.9	3764.1	3698.7
45°	3989.3	4014.9	4045.3	4097.8	4086.1	4062.8	4086.1	4088.5	4054.6	3977.6
47.5°	4277.5	4304.3	4349.8	4419.8	4415.2	4389.5	4419.8	4403.5	4360.3	4268.1
50°	4550.5	4587.8	4657.9	4755.9	4765.2	4733.7	4774.5	4743.0	4670.7	4555.2
52.5°	4807.2	4846.9	4957.7	5090.7	5124.6	5083.7	5138.6	5083.7	4975.2	4827.0
55°	5076.7	5121.1	5252.9	5426.8	5494.4	5464.1	5515.4	5432.6	5278.6	5098.9
57.5°	5394.1	5420.9	5578.5	5785.0	5899.3	5906.3	5929.7	5789.6	5603.0	5398.8
60°	5738.3	5775.6	5947.2	6194.5	6375.4	6433.7	6409.2	6201.5	5984.5	5750.0
62.5°	6179.4	6220.2	6425.5	6721.9	7007.8	7152.5	7056.8	6755.8	6487.4	6206.2
65°	6544.6	6590.1	6961.1	7489.7	8010.1	8300.6	8060.2	7506.0	7022.9	6626.2
67.5°	6279.7	6335.7	6917.9	7888.7	9182.7	10049.6	9227.0	8007.7	7061.5	6523.6
70°	5488.6	5541.1	6220.2	7406.8	9512.9	11412.4	9711.2	7625.0	6242.4	5640.3
72.5°	3643.9	3813.1	4500.3	5923.8	8494.3	10560.7	8578.3	5803.6	4174.8	3635.7
75°	1208.8	1344.1	1813.2	3071.0	5689.3	7898.0	5416.3	2717.5	1436.3	1033.8
77.5°	304.5	351.2	484.2	878.6	2269.4	4496.8	2043.1	717.6	390.9	273.0
80°	148.2	163.4	233.4	292.9	568.2	1429.3	533.2	275.4	184.4	142.3
82.5°	81.7	82.8	131.8	165.7	211.2	369.9	219.4	161.0	106.2	86.3
85°	50.2	49.0	70.0	88.7	88.7	131.8	105.0	88.7	60.7	53.7
87.5°	19.8	19.8	25.7	28.0	24.5	33.8	26.8	29.2	23.3	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2226.2
2237.9
2255.4
2276.4
2296.3
2316.1
2347.6
2386.1
2430.4
2474.8
2524.9
2593.8
2691.8
2824.8
2992.8
3198.2
3438.5
3703.4
3985.8
4262.3
4552.8
4813.0
5074.4
5370.8
5712.6
6157.2
6560.9
6443.0
5559.8
3517.9
977.8
243.9
130.7
86.3
56.0
23.3
0.0

OF REPORT)