

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: P953713

Luminaire Tested: **GALN-SB7A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953713
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-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24209 lumens
Efficiency: N/A
Efficacy: 121.6 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

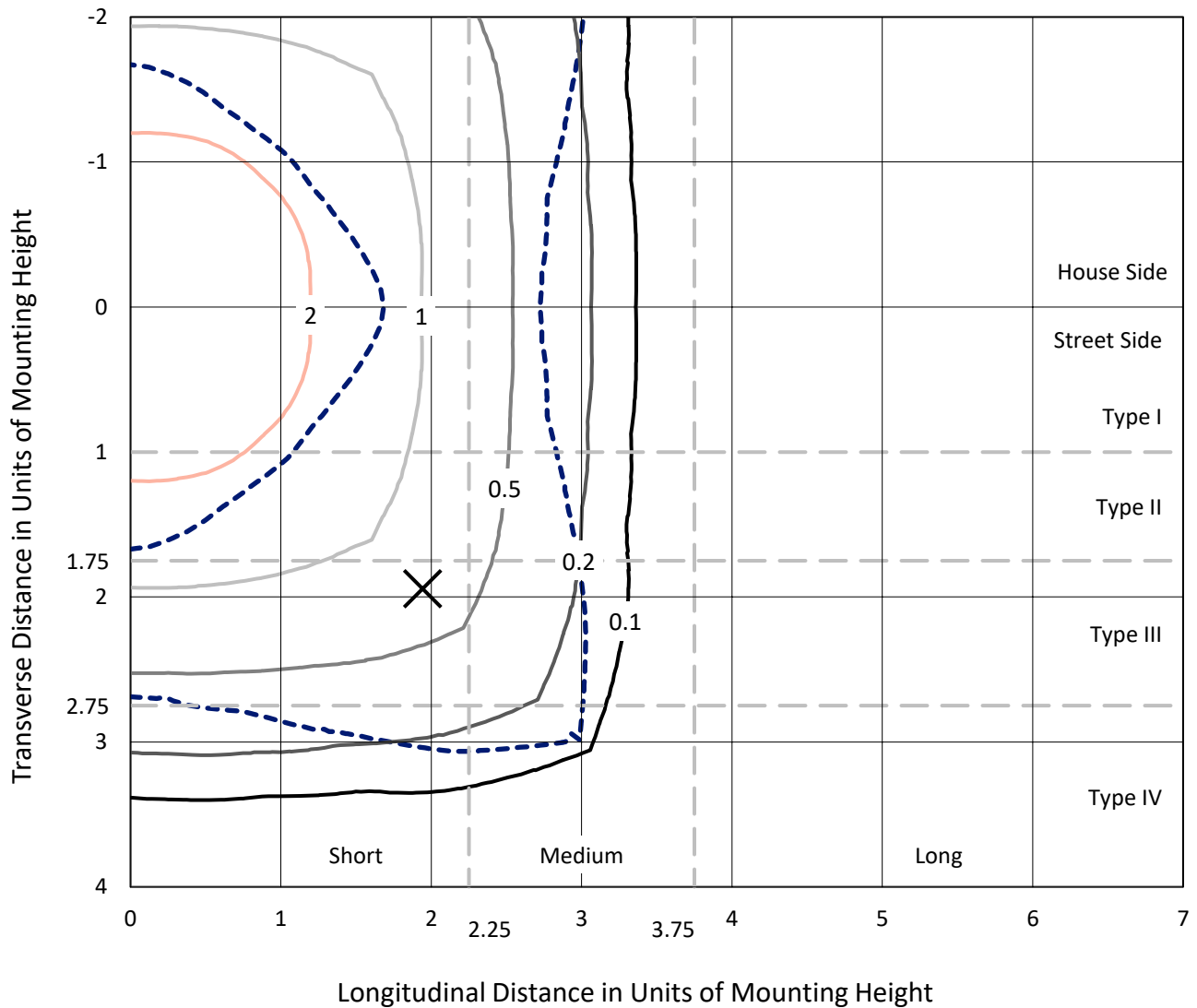
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

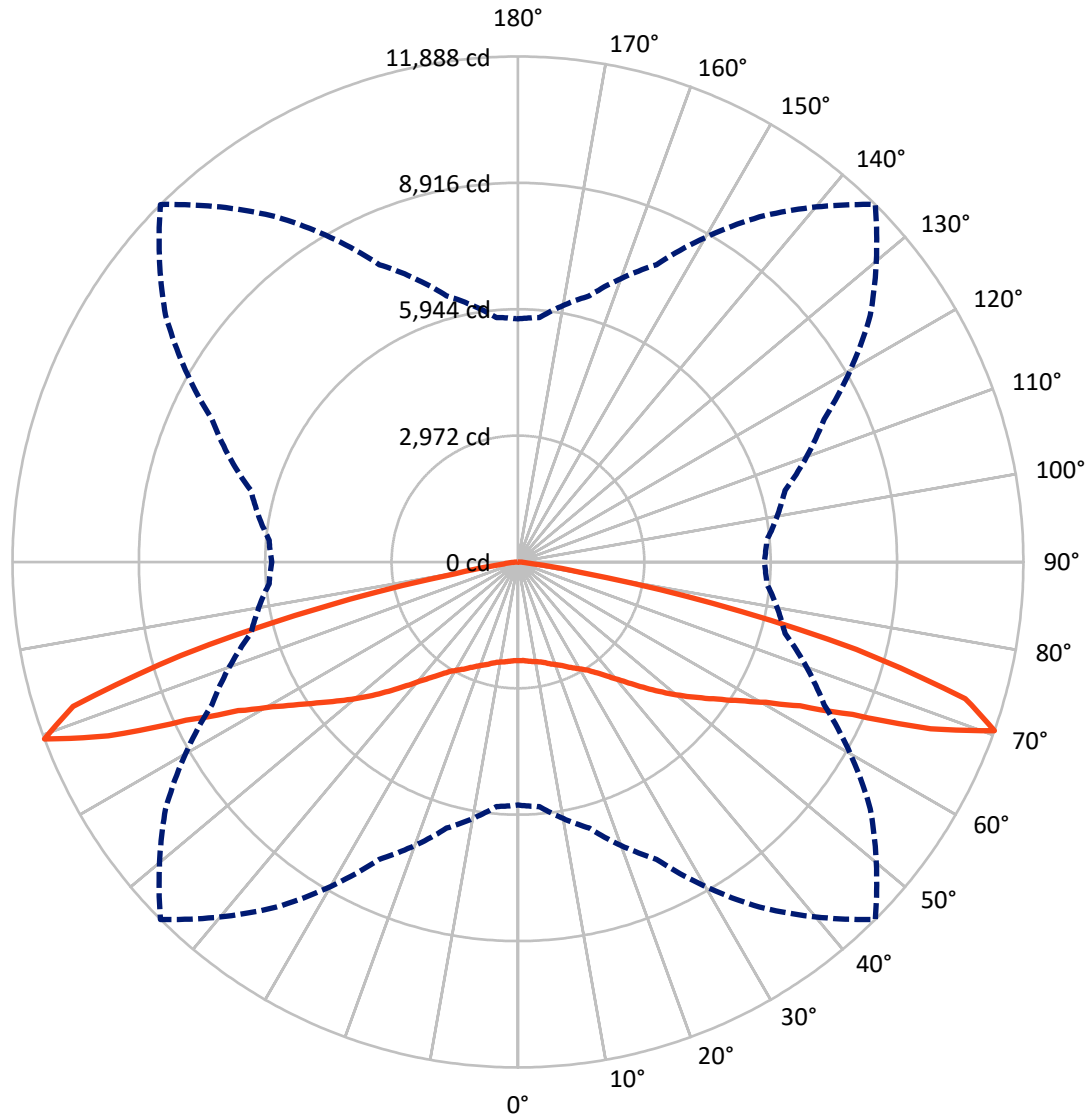
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	12104.5	0.0	12104.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12104.5	0.0	12104.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24209.0	0.0	24209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.3	0.9
10°-20°	698.6	2.9
20°-30°	1248.5	5.2
30°-40°	2023.8	8.4
40°-50°	3296.4	13.6
50°-60°	5025.8	20.8
60°-70°	7476.8	30.9
70°-80°	4075.1	16.8
80°-90°	138.8	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°	24209.0	100.0
0°-180°	24209.0	100.0

Coefficient of Utilization



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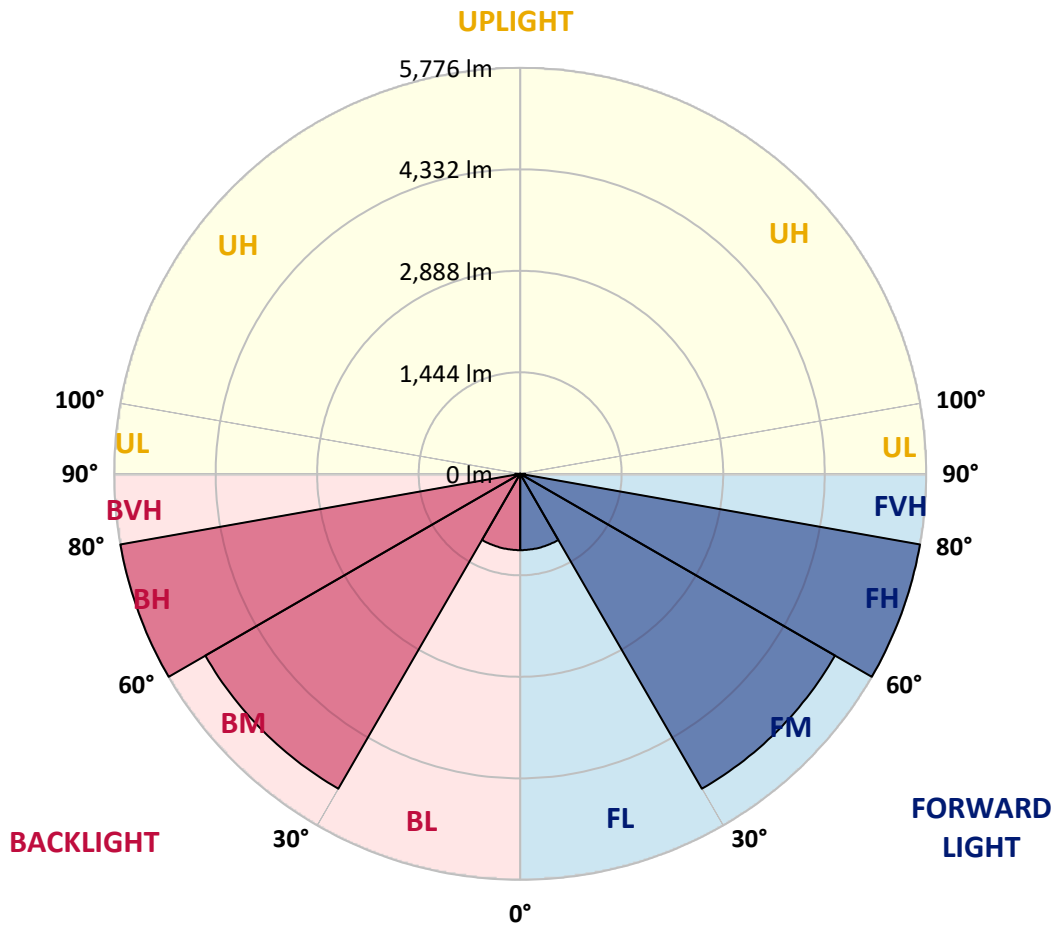
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1086.2	4.5			
FM (30°-60°)	5173.0	21.4			
FH (60°-80°)	5776.0	23.9			G3/7500
FVH (80°-90°)	69.4	0.3			G1/100
BL (0°-30°)	1086.2	4.5	B3/2500		
BM (30°-60°)	5173.0	21.4	B4/8500		
BH (60°-80°)	5776.0	23.9	B5		G3/7500
BVH (80°-90°)	69.4	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°	2319.0	2319.0	2319.0	2319.0	2319.0	2319.0	2319.0	2319.0	2319.0	2319.0
2.5°	2329.9	2332.3	2327.5	2325.0	2322.6	2319.0	2320.2	2326.3	2331.1	2329.9
5°	2349.4	2351.8	2348.1	2346.9	2342.1	2340.8	2340.8	2346.9	2350.6	2348.1
7.5°	2371.2	2374.9	2368.8	2367.6	2365.2	2362.7	2361.5	2367.6	2371.2	2371.2
10°	2391.9	2395.5	2390.7	2387.0	2384.6	2384.6	2382.2	2387.0	2393.1	2391.9
12.5°	2413.8	2416.2	2411.3	2408.9	2408.9	2412.6	2408.9	2411.3	2416.2	2413.8
15°	2440.5	2441.7	2440.5	2444.2	2450.2	2462.4	2451.4	2449.0	2451.4	2445.4
17.5°	2477.0	2479.4	2484.3	2492.8	2501.3	2523.2	2503.7	2497.6	2497.6	2485.5
20°	2521.9	2525.6	2532.9	2547.5	2558.4	2579.1	2559.6	2551.1	2547.5	2531.7
22.5°	2569.3	2575.4	2586.4	2605.8	2625.3	2644.7	2625.3	2610.7	2599.7	2579.1
25°	2624.0	2631.3	2648.3	2679.9	2706.7	2734.6	2711.5	2682.4	2660.5	2631.3
27.5°	2701.8	2710.3	2731.0	2769.9	2803.9	2828.2	2806.3	2768.7	2738.3	2703.0
30°	2811.2	2819.7	2844.0	2885.3	2908.4	2924.2	2909.7	2880.5	2844.0	2803.9
32.5°	2952.2	2963.1	2989.9	3028.8	3033.6	3036.1	3031.2	3016.6	2989.9	2941.3
35°	3130.9	3143.0	3173.4	3205.0	3200.1	3205.0	3197.7	3192.8	3173.4	3117.5
37.5°	3349.6	3364.2	3395.8	3420.1	3408.0	3401.9	3403.1	3404.3	3393.4	3331.4
40°	3603.6	3623.1	3646.2	3671.7	3651.0	3632.8	3645.0	3654.7	3645.0	3581.8
42.5°	3865.0	3892.9	3917.2	3953.7	3936.7	3913.6	3930.6	3941.5	3920.9	3852.8
45°	4155.4	4182.2	4213.8	4268.5	4256.3	4232.0	4256.3	4258.7	4223.5	4143.3
47.5°	4455.6	4483.6	4531.0	4603.9	4599.1	4572.3	4603.9	4586.9	4541.9	4445.9
50°	4740.0	4778.9	4851.9	4953.9	4963.7	4930.9	4973.4	4940.6	4865.2	4744.9
52.5°	5007.4	5048.7	5164.2	5302.8	5338.0	5295.5	5352.6	5295.5	5182.4	5028.1
55°	5288.2	5334.4	5471.7	5652.8	5723.3	5691.7	5745.2	5658.9	5498.4	5311.3
57.5°	5618.8	5646.7	5810.8	6025.9	6145.0	6152.3	6176.6	6030.8	5836.3	5623.6
60°	5977.3	6016.2	6194.9	6452.5	6640.9	6701.7	6676.2	6459.8	6233.8	5989.5
62.5°	6436.7	6479.3	6693.2	7001.9	7299.7	7450.4	7350.7	7037.1	6757.6	6464.7
65°	6817.1	6864.5	7251.0	7801.6	8343.7	8646.3	8395.9	7818.6	7315.5	6902.2
67.5°	6541.3	6599.6	7206.1	8217.3	9565.2	10468.2	9611.3	8341.2	7355.6	6795.3
70°	5717.2	5771.9	6479.3	7715.3	9909.1	11887.8	10115.7	7942.6	6502.4	5875.2
72.5°	3795.7	3971.9	4687.8	6170.6	8848.1	11000.5	8935.6	6045.4	4348.7	3787.2
75°	1259.1	1400.1	1888.7	3198.9	5926.3	8227.0	5641.9	2830.7	1496.1	1076.8
77.5°	317.2	365.8	504.4	915.2	2363.9	4684.1	2128.2	747.5	407.2	284.4
80°	154.4	170.2	243.1	305.1	591.9	1488.9	555.4	286.8	192.0	148.3
82.5°	85.1	86.3	137.3	172.6	220.0	385.3	228.5	167.7	110.6	89.9
85°	52.3	51.0	72.9	92.4	92.4	137.3	109.4	92.4	63.2	55.9
87.5°	20.7	20.7	26.7	29.2	25.5	35.2	28.0	30.4	24.3	23.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2319.0
2331.1
2349.4
2371.2
2391.9
2412.6
2445.4
2485.5
2531.7
2577.9
2630.1
2701.8
2803.9
2942.5
3117.5
3331.4
3581.8
3857.7
4151.8
4439.8
4742.5
5013.5
5285.7
5594.5
5950.6
6413.6
6834.2
6711.4
5791.4
3664.4
1018.5
254.0
136.1
89.9
58.3
24.3
0.0

OF REPORT)