

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: P952286

Luminaire Tested: **GALN-SB6A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952286
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-SB6A-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20656 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

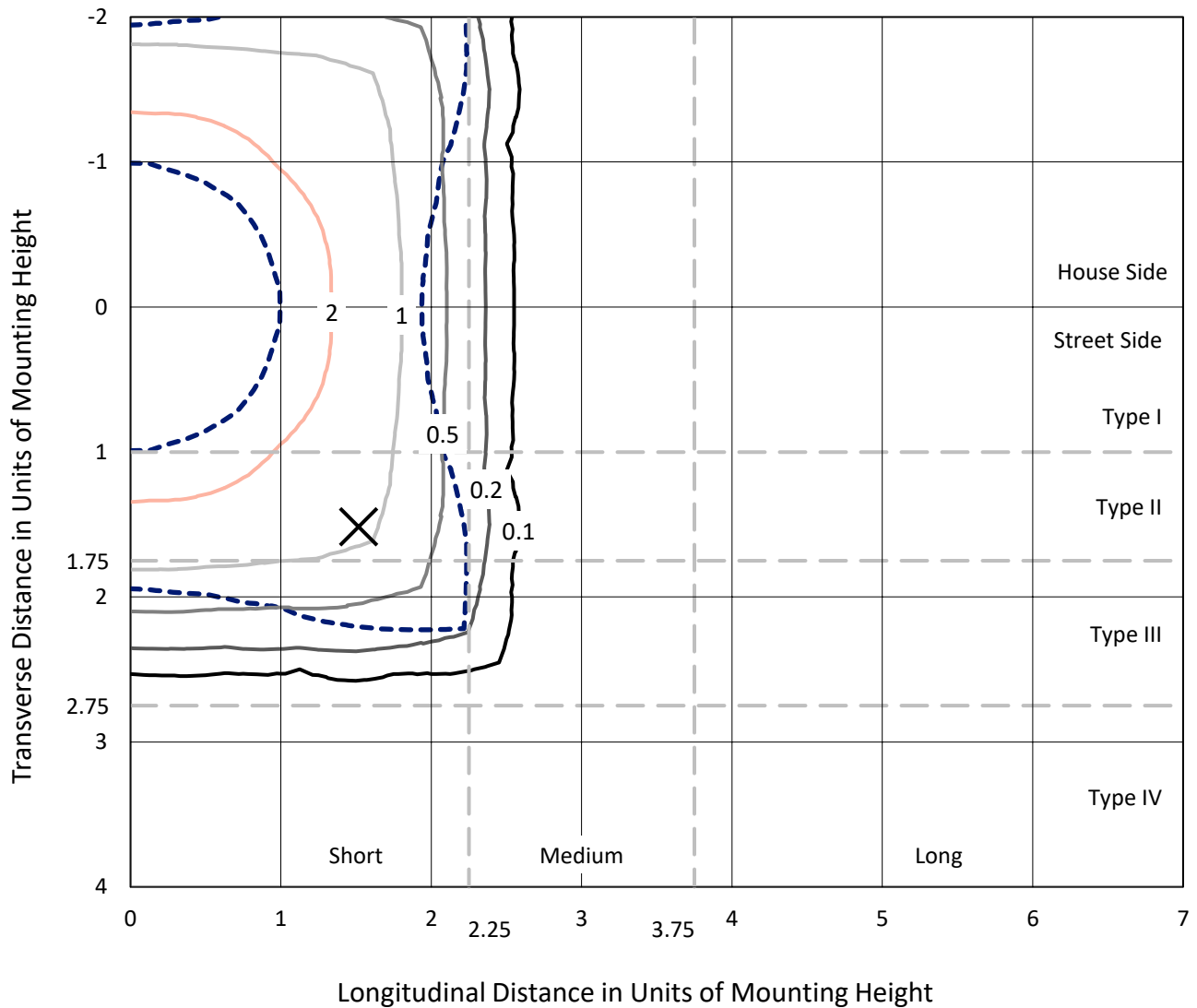
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

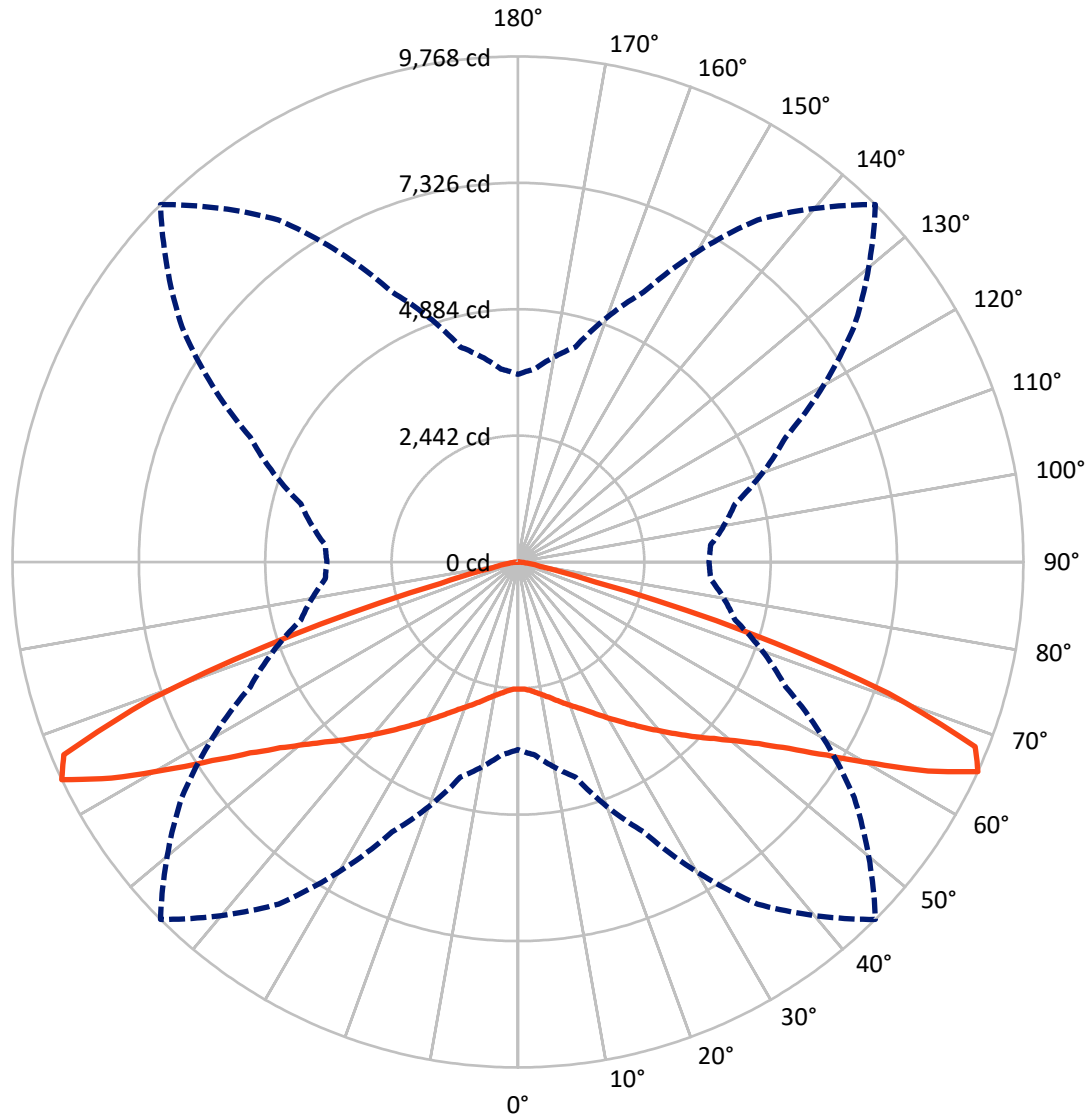
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	10328.0	0.0	10328.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10328.0	0.0	10328.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20656.0	0.0	20656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	1.2
10°-20°	791.6	3.8
20°-30°	1494.7	7.2
30°-40°	2447.6	11.8
40°-50°	3794.9	18.4
50°-60°	5605.9	27.1
60°-70°	5336.3	25.8
70°-80°	861.1	4.2
80°-90°	81.2	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°	20656.0	100.0
0°-180°	20656.0	100.0

Coefficient of Utilization



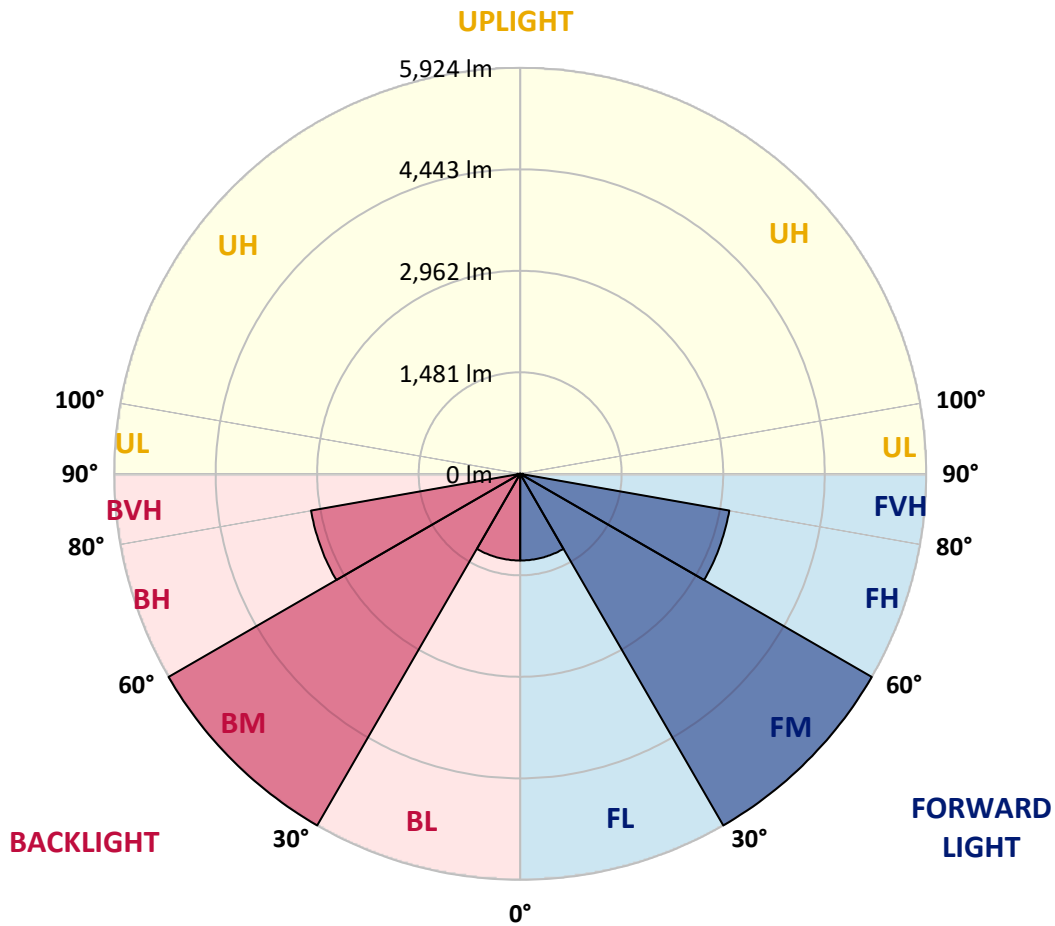
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.5	6.1			
FM (30°-60°)	5924.2	28.7			
FH (60°-80°)	3098.7	15.0			G2/5000
FVH (80°-90°)	40.6	0.2			G1/100
BL (0°-30°)	1264.5	6.1	B3/2500		
BM (30°-60°)	5924.2	28.7	B4/8500		
BH (60°-80°)	3098.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	40.6	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°	2458.3	2458.3	2458.3	2458.3	2458.3	2458.3	2458.3	2458.3	2458.3	2458.3
2.5°	2474.9	2466.6	2472.8	2467.6	2463.5	2459.3	2461.4	2468.6	2471.7	2472.8
5°	2508.0	2500.8	2503.9	2503.9	2496.6	2494.5	2495.6	2500.8	2507.0	2507.0
7.5°	2561.9	2554.7	2561.9	2557.8	2551.5	2549.5	2548.4	2552.6	2561.9	2561.9
10°	2627.2	2618.9	2623.1	2621.0	2613.7	2610.6	2609.6	2615.8	2624.1	2623.1
12.5°	2698.7	2689.4	2694.6	2688.3	2686.3	2683.2	2683.2	2682.1	2687.3	2683.2
15°	2778.5	2772.3	2774.4	2770.2	2773.3	2771.3	2763.0	2758.8	2760.9	2754.7
17.5°	2872.8	2858.3	2865.6	2863.5	2863.5	2867.6	2854.2	2849.0	2853.1	2846.9
20°	2981.6	2967.1	2970.2	2966.1	2960.9	2965.1	2948.5	2952.6	2955.7	2951.6
22.5°	3100.8	3082.2	3081.1	3083.2	3071.8	3072.8	3061.4	3071.8	3078.0	3066.6
25°	3223.1	3203.4	3216.9	3211.7	3197.2	3200.3	3192.0	3202.4	3207.6	3193.1
27.5°	3352.7	3339.2	3351.6	3354.7	3337.1	3349.5	3337.1	3346.4	3351.6	3329.9
30°	3504.0	3490.5	3501.9	3510.2	3489.5	3509.2	3498.8	3505.0	3506.0	3480.1
32.5°	3668.8	3648.0	3677.0	3681.2	3658.4	3682.2	3668.8	3677.0	3682.2	3647.0
35°	3869.8	3843.9	3877.1	3871.9	3852.2	3871.9	3859.4	3871.9	3884.3	3841.8
37.5°	4086.4	4059.5	4094.7	4085.4	4066.7	4080.2	4072.9	4081.2	4100.9	4055.3
40°	4324.8	4291.6	4339.3	4322.7	4305.1	4303.0	4307.2	4312.3	4338.2	4287.5
42.5°	4579.7	4544.5	4616.0	4590.1	4565.2	4548.6	4562.1	4572.5	4597.3	4540.3
45°	4870.9	4830.5	4923.8	4892.7	4853.3	4819.1	4840.9	4856.4	4892.7	4824.3
47.5°	5192.2	5146.6	5246.1	5236.8	5172.5	5097.9	5147.7	5192.2	5219.2	5136.3
50°	5506.2	5471.0	5601.6	5613.0	5534.2	5429.5	5499.0	5566.3	5573.6	5464.8
52.5°	5800.6	5765.3	5955.0	6026.5	5956.0	5831.7	5905.2	5973.6	5918.7	5777.8
55°	6035.8	6006.8	6248.3	6432.8	6456.6	6354.0	6397.5	6395.4	6215.1	5998.5
57.5°	6092.8	6088.7	6393.4	6784.1	7032.8	7045.2	6959.2	6739.5	6350.9	6059.7
60°	5833.7	5859.6	6278.3	6967.5	7630.8	7906.5	7534.4	6907.4	6196.5	5792.3
62.5°	5058.5	5126.9	5631.6	6743.7	8113.7	8897.2	7995.6	6652.5	5562.2	5034.7
65°	3625.2	3744.4	4302.0	5755.0	8070.2	9767.8	7929.3	5708.3	4343.4	3735.1
67.5°	1644.7	1766.0	2239.6	3940.3	7015.2	9531.5	6998.6	3981.7	2351.5	1772.2
70°	595.9	616.6	769.0	1577.4	4483.3	7594.5	4675.1	1588.8	817.7	657.1
72.5°	360.7	363.8	395.9	564.8	1557.7	4610.8	1624.0	583.5	404.2	358.6
75°	229.0	227.0	281.9	345.1	552.4	1555.6	579.3	345.1	280.9	256.0
77.5°	164.8	170.0	202.1	258.1	348.2	527.5	342.0	246.7	202.1	165.8
80°	123.3	126.4	147.2	201.1	244.6	328.5	217.6	182.4	152.3	103.6
82.5°	89.1	89.1	96.4	146.1	149.2	177.2	118.1	128.5	100.5	73.6
85°	52.9	51.8	60.1	87.1	77.7	65.3	53.9	78.8	63.2	45.6
87.5°	18.7	19.7	18.7	24.9	20.7	17.6	16.6	21.8	17.6	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2458.3
2472.8
2507.0
2558.8
2621.0
2685.2
2755.7
2852.1
2960.9
3078.0
3209.6
3346.4
3495.7
3670.8
3867.7
4083.3
4304.0
4570.4
4859.5
5164.2
5478.3
5781.9
6005.8
6041.0
5744.6
5003.6
3690.5
1746.3
648.8
364.8
258.1
168.9
106.7
73.6
44.6
14.5
0.0

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