

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: P955141

Luminaire Tested: **GALN-SB8A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955141
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-SB8A-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 27527 lumens
Efficiency: N/A
Efficacy: 121.2 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

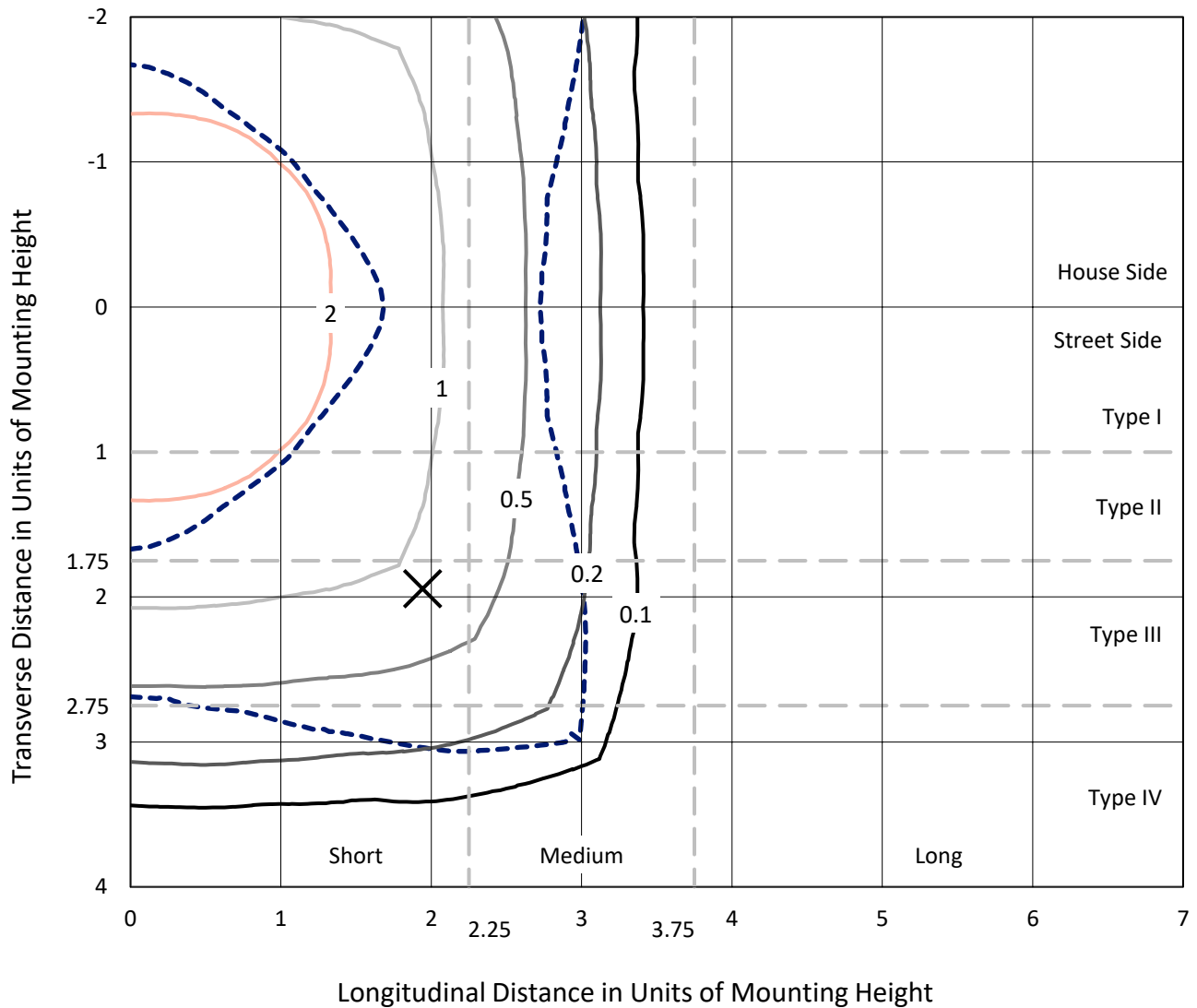
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

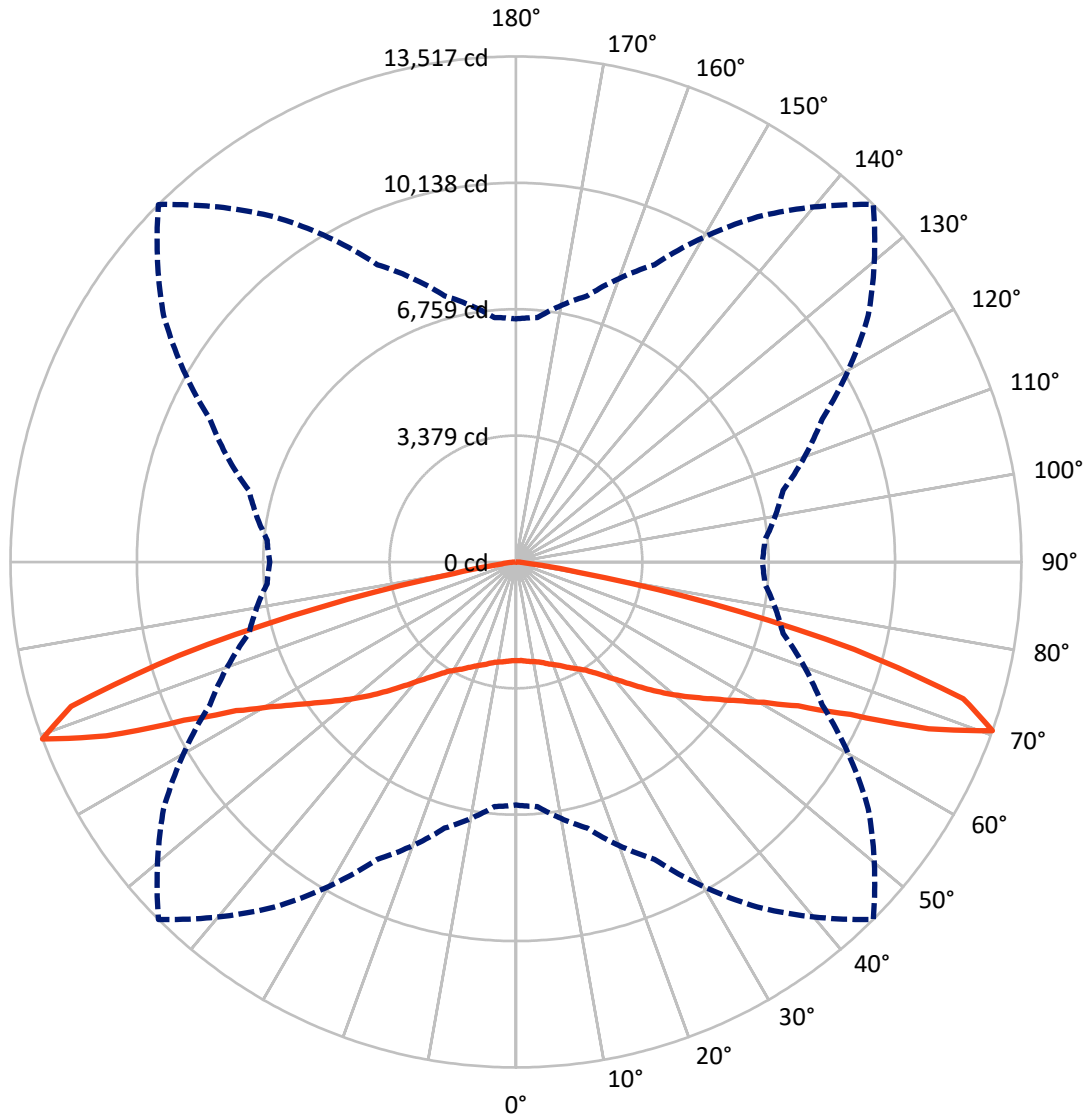
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	13763.5	0.0	13763.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13763.5	0.0	13763.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27527.0	0.0	27527.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	0.9
10°-20°	794.3	2.9
20°-30°	1419.6	5.2
30°-40°	2301.1	8.4
40°-50°	3748.1	13.6
50°-60°	5714.6	20.8
60°-70°	8501.6	30.9
70°-80°	4633.6	16.8
80°-90°	157.8	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°	27527.0	100.0
0°-180°	27527.0	100.0



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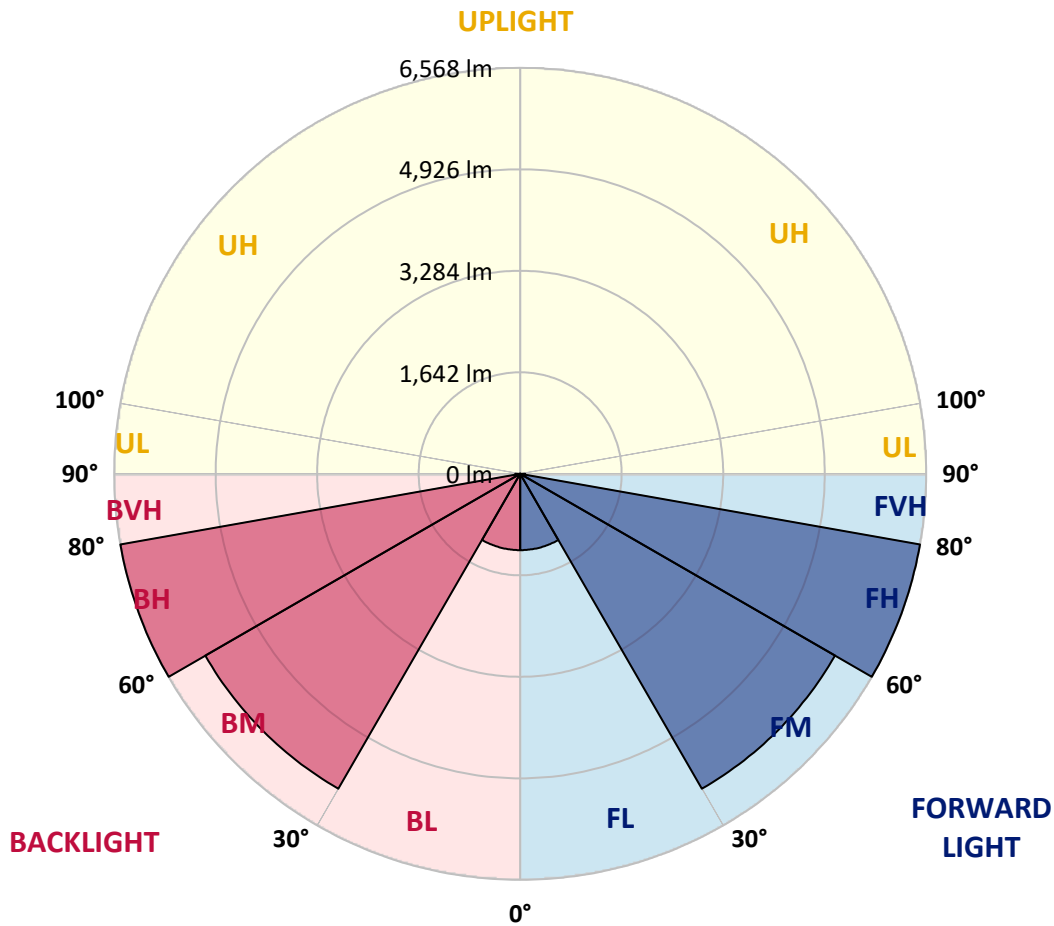
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1235.0	4.5			
FM (30°-60°)	5882.0	21.4			
FH (60°-80°)	6567.6	23.9			G3/7500
FVH (80°-90°)	78.9	0.3			G1/100
BL (0°-30°)	1235.0	4.5	B3/2500		
BM (30°-60°)	5882.0	21.4	B4/8500		
BH (60°-80°)	6567.6	23.9	B5		G3/7500
BVH (80°-90°)	78.9	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°	2636.8	2636.8	2636.8	2636.8	2636.8	2636.8	2636.8	2636.8	2636.8	2636.8
2.5°	2649.2	2652.0	2646.5	2643.7	2640.9	2636.8	2638.2	2645.1	2650.6	2649.2
5°	2671.4	2674.1	2670.0	2668.6	2663.1	2661.7	2661.7	2668.6	2672.7	2670.0
7.5°	2696.2	2700.4	2693.5	2692.1	2689.3	2686.6	2685.2	2692.1	2696.2	2696.2
10°	2719.7	2723.9	2718.3	2714.2	2711.4	2711.4	2708.7	2714.2	2721.1	2719.7
12.5°	2744.6	2747.4	2741.8	2739.1	2739.1	2743.2	2739.1	2741.8	2747.4	2744.6
15°	2775.0	2776.4	2775.0	2779.1	2786.1	2799.9	2787.4	2784.7	2787.4	2780.5
17.5°	2816.5	2819.2	2824.7	2834.4	2844.1	2869.0	2846.9	2840.0	2840.0	2826.1
20°	2867.6	2871.7	2880.0	2896.6	2909.1	2932.5	2910.4	2900.8	2896.6	2878.6
22.5°	2921.5	2928.4	2940.8	2962.9	2985.1	3007.2	2985.1	2968.5	2956.0	2932.5
25°	2983.7	2992.0	3011.3	3047.2	3077.7	3109.4	3083.2	3050.0	3025.1	2992.0
27.5°	3072.1	3081.8	3105.3	3149.5	3188.2	3215.8	3191.0	3148.1	3113.6	3073.5
30°	3196.5	3206.2	3233.8	3280.8	3307.1	3325.0	3308.4	3275.3	3233.8	3188.2
32.5°	3356.8	3369.2	3399.6	3443.9	3449.4	3452.2	3446.6	3430.1	3399.6	3344.4
35°	3560.0	3573.8	3608.3	3644.3	3638.7	3644.3	3636.0	3630.4	3608.3	3544.8
37.5°	3808.7	3825.3	3861.2	3888.9	3875.0	3868.1	3869.5	3870.9	3858.5	3788.0
40°	4097.5	4119.7	4145.9	4174.9	4151.4	4130.7	4144.5	4155.6	4144.5	4072.7
42.5°	4394.7	4426.5	4454.1	4495.6	4476.2	4449.9	4469.3	4481.7	4458.2	4380.8
45°	4725.0	4755.4	4791.3	4853.5	4839.7	4812.0	4839.7	4842.4	4802.4	4711.1
47.5°	5066.3	5098.1	5152.0	5234.9	5229.4	5199.0	5234.9	5215.6	5164.4	5055.3
50°	5389.7	5433.9	5516.8	5632.9	5644.0	5606.7	5655.0	5617.7	5532.0	5395.2
52.5°	5693.7	5740.7	5872.0	6029.5	6069.6	6021.2	6086.2	6021.2	5892.7	5717.2
55°	6013.0	6065.5	6221.6	6427.5	6507.7	6471.8	6532.6	6434.5	6252.0	6039.2
57.5°	6388.9	6420.6	6607.2	6851.8	6987.2	6995.5	7023.2	6857.3	6636.2	6394.4
60°	6796.5	6840.8	7043.9	7336.9	7551.1	7620.2	7591.2	7345.2	7088.1	6810.4
62.5°	7318.9	7367.3	7610.5	7961.5	8300.1	8471.5	8358.2	8001.6	7683.8	7350.7
65°	7751.5	7805.4	8244.8	8870.9	9487.2	9831.3	9546.7	8890.2	8318.1	7848.2
67.5°	7437.8	7504.1	8193.7	9343.5	10876.1	11902.9	10928.6	9484.5	8363.7	7726.6
70°	6500.8	6563.0	7367.3	8772.8	11267.2	13517.1	11502.1	9031.2	7393.5	6680.5
72.5°	4315.9	4516.3	5330.3	7016.3	10060.8	12508.2	10160.3	6873.9	4944.7	4306.2
75°	1431.7	1592.0	2147.6	3637.3	6738.5	9354.6	6415.1	3218.6	1701.2	1224.4
77.5°	360.7	416.0	573.5	1040.6	2687.9	5326.1	2419.8	849.9	463.0	323.4
80°	175.5	193.5	276.4	346.9	673.0	1692.9	631.6	326.1	218.4	168.6
82.5°	96.7	98.1	156.2	196.2	250.1	438.1	259.8	190.7	125.8	102.3
85°	59.4	58.0	82.9	105.0	105.0	156.2	124.4	105.0	71.9	63.6
87.5°	23.5	23.5	30.4	33.2	29.0	40.1	31.8	34.5	27.6	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2636.8
2650.6
2671.4
2696.2
2719.7
2743.2
2780.5
2826.1
2878.6
2931.2
2990.6
3072.1
3188.2
3345.8
3544.8
3788.0
4072.7
4386.4
4720.8
5048.3
5392.5
5700.6
6010.2
6361.2
6766.1
7292.7
7770.8
7631.2
6585.1
4166.6
1158.1
288.8
154.8
102.3
66.3
27.6
0.0

OF REPORT)