

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: P955435

Luminaire Tested: **GALN-SB8B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955435
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-SB8B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29026 lumens
Efficiency: N/A
Efficacy: 99.1 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

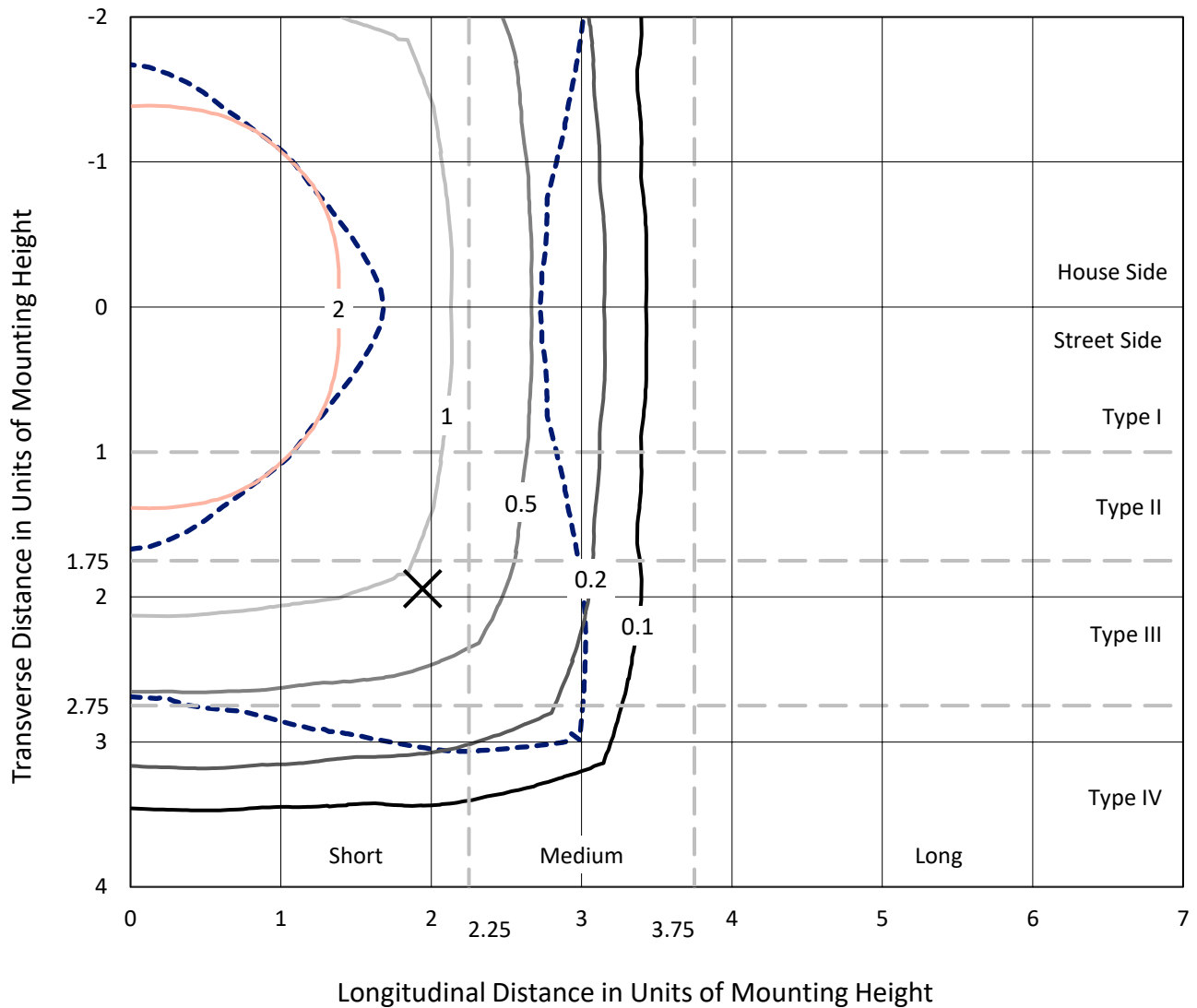
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

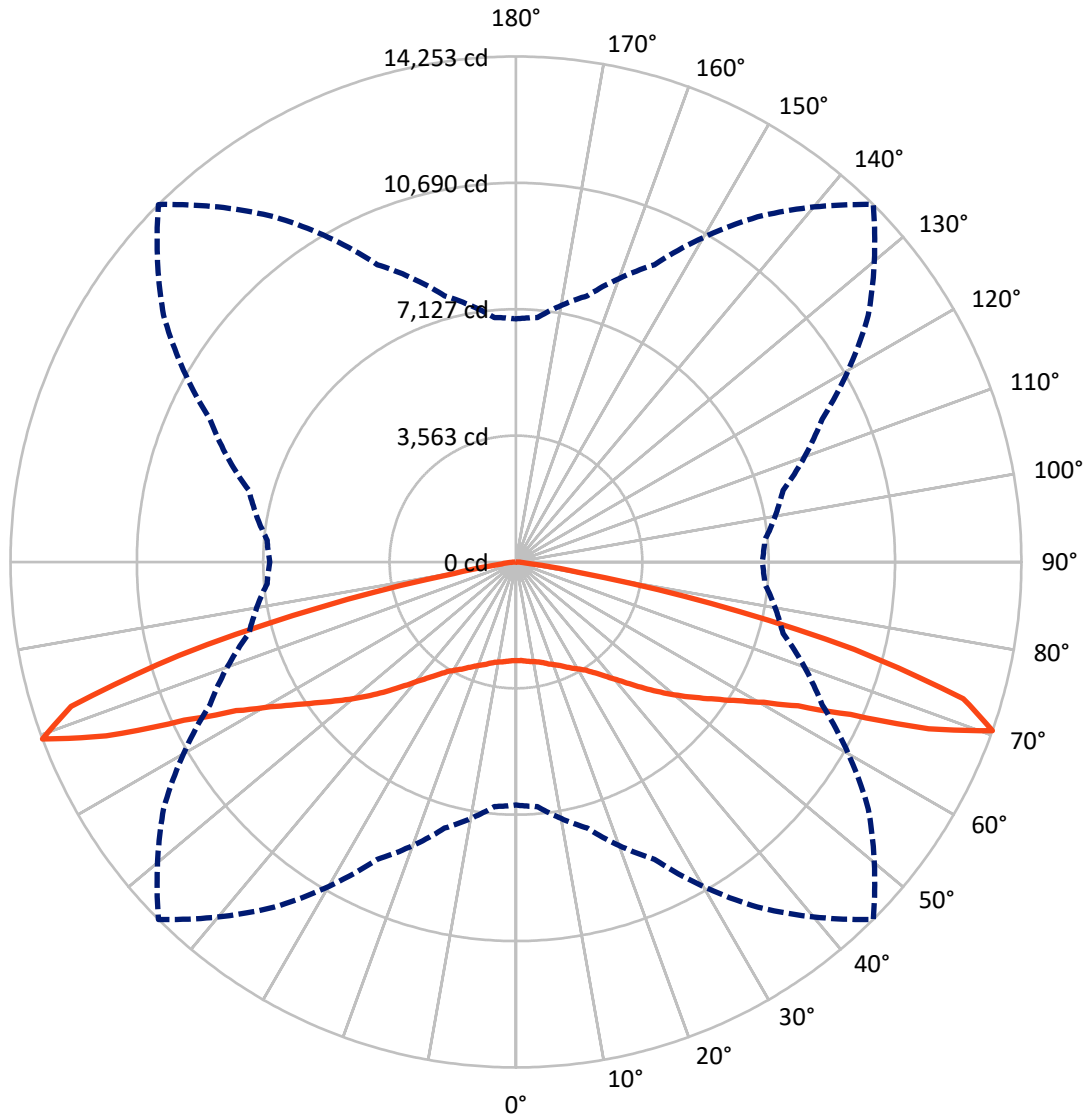
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	14513.0	0.0	14513.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14513.0	0.0	14513.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29026.0	0.0	29026.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.1	0.9
10°-20°	837.6	2.9
20°-30°	1496.9	5.2
30°-40°	2426.4	8.4
40°-50°	3952.3	13.6
50°-60°	6025.8	20.8
60°-70°	8964.5	30.9
70°-80°	4886.0	16.8
80°-90°	166.4	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°	29026.0	100.0
0°-180°	29026.0	100.0



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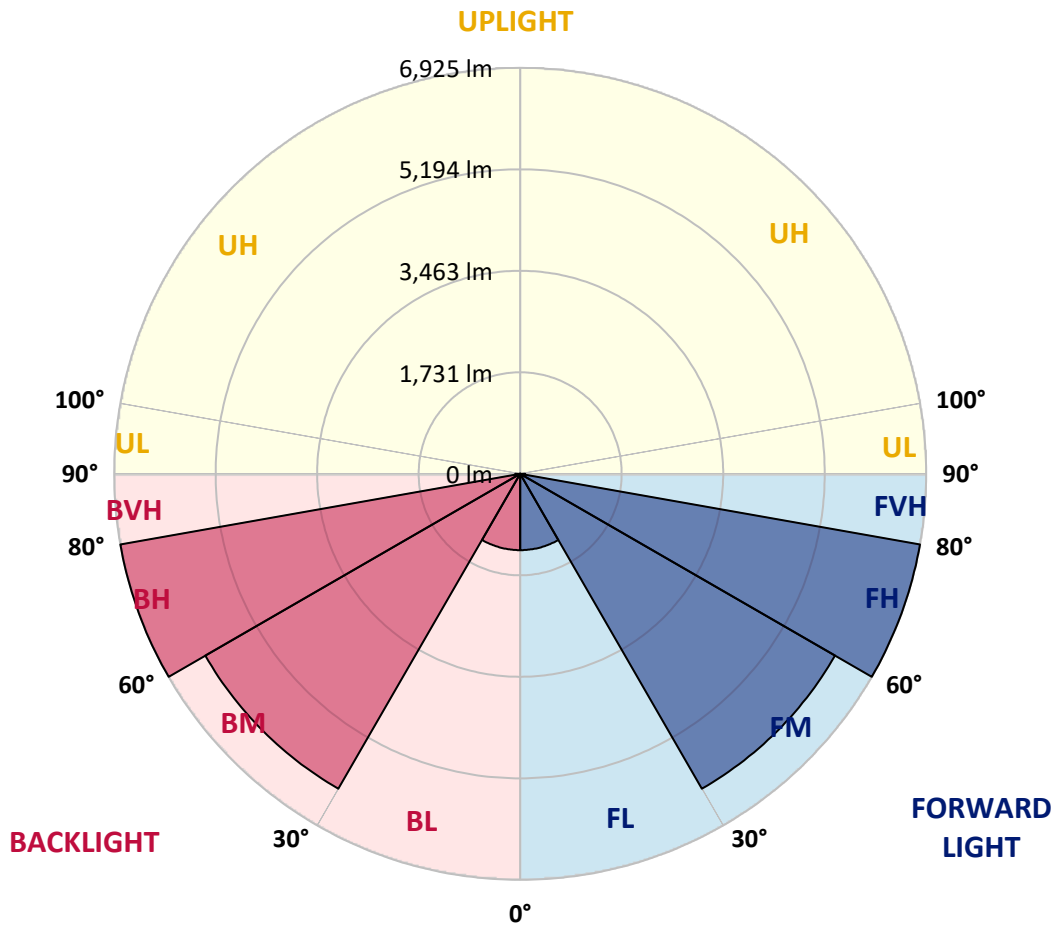
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1302.3	4.5			
FM (30°-60°)	6202.3	21.4			
FH (60°-80°)	6925.3	23.9			G3/7500
FVH (80°-90°)	83.2	0.3			G1/100
BL (0°-30°)	1302.3	4.5	B3/2500		
BM (30°-60°)	6202.3	21.4	B4/8500		
BH (60°-80°)	6925.3	23.9	B5		G3/7500
BVH (80°-90°)	83.2	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°	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4
2.5°	2793.5	2796.4	2790.6	2787.7	2784.8	2780.4	2781.8	2789.1	2795.0	2793.5
5°	2816.8	2819.7	2815.4	2813.9	2808.1	2806.6	2806.6	2813.9	2818.3	2815.4
7.5°	2843.1	2847.4	2840.1	2838.7	2835.8	2832.9	2831.4	2838.7	2843.1	2843.1
10°	2867.8	2872.2	2866.4	2862.0	2859.1	2859.1	2856.2	2862.0	2869.3	2867.8
12.5°	2894.1	2897.0	2891.1	2888.2	2888.2	2892.6	2888.2	2891.1	2897.0	2894.1
15°	2926.1	2927.6	2926.1	2930.5	2937.8	2952.3	2939.2	2936.3	2939.2	2931.9
17.5°	2969.8	2972.7	2978.6	2988.8	2999.0	3025.2	3001.9	2994.6	2994.6	2980.0
20°	3023.7	3028.1	3036.9	3054.3	3067.5	3092.2	3068.9	3058.7	3054.3	3035.4
22.5°	3080.6	3087.9	3101.0	3124.3	3147.6	3170.9	3147.6	3130.1	3117.0	3092.2
25°	3146.2	3154.9	3175.3	3213.2	3245.2	3278.8	3251.1	3216.1	3189.9	3154.9
27.5°	3239.4	3249.6	3274.4	3321.0	3361.8	3391.0	3364.7	3319.6	3283.1	3240.9
30°	3370.6	3380.8	3409.9	3459.5	3487.1	3506.1	3488.6	3453.6	3409.9	3361.8
32.5°	3539.6	3552.7	3584.8	3631.4	3637.2	3640.2	3634.3	3616.8	3584.8	3526.5
35°	3753.8	3768.4	3804.8	3842.7	3836.9	3842.7	3834.0	3828.1	3804.8	3737.8
37.5°	4016.1	4033.6	4071.5	4100.6	4086.1	4078.8	4080.2	4081.7	4068.6	3994.3
40°	4320.7	4344.0	4371.7	4402.3	4377.5	4355.7	4370.2	4381.9	4370.2	4294.4
42.5°	4634.0	4667.5	4696.6	4740.4	4720.0	4692.3	4712.7	4725.8	4701.0	4619.4
45°	4982.3	5014.3	5052.2	5117.8	5103.2	5074.1	5103.2	5106.1	5063.9	4967.7
47.5°	5342.2	5375.7	5432.5	5520.0	5514.1	5482.1	5520.0	5499.6	5445.7	5330.5
50°	5683.2	5729.8	5817.3	5939.7	5951.3	5912.0	5963.0	5923.6	5833.3	5689.0
52.5°	6003.8	6053.3	6191.8	6357.9	6400.1	6349.1	6417.6	6349.1	6213.6	6028.6
55°	6340.4	6395.8	6560.4	6777.6	6862.1	6824.2	6888.3	6784.9	6592.5	6368.1
57.5°	6736.8	6770.3	6967.0	7224.9	7367.7	7376.5	7405.6	7230.8	6997.6	6742.6
60°	7166.6	7213.3	7427.5	7736.4	7962.3	8035.2	8004.6	7745.2	7474.1	7181.2
62.5°	7717.5	7768.5	8025.0	8395.1	8752.1	8932.8	8813.3	8437.3	8102.2	7751.0
65°	8173.6	8230.4	8693.8	9353.9	10003.9	10366.7	10066.5	9374.3	8771.1	8275.6
67.5°	7842.8	7912.7	8639.9	9852.3	11468.4	12551.1	11523.8	10001.0	8819.1	8147.4
70°	6854.8	6920.4	7768.5	9250.5	11880.8	14253.1	12128.5	9523.0	7796.2	7044.2
72.5°	4550.9	4762.2	5620.5	7398.3	10608.6	13189.4	10713.5	7248.3	5214.0	4540.7
75°	1509.7	1678.7	2264.5	3835.4	7105.4	9864.0	6764.5	3393.9	1793.8	1291.1
77.5°	380.3	438.6	604.7	1097.3	2834.3	5616.2	2551.6	896.2	488.2	341.0
80°	185.1	204.0	291.4	365.8	709.7	1785.1	666.0	343.9	230.2	177.8
82.5°	102.0	103.5	164.7	206.9	263.8	461.9	274.0	201.1	132.6	107.8
85°	62.7	61.2	87.4	110.7	110.7	164.7	131.2	110.7	75.8	67.0
87.5°	24.8	24.8	32.1	35.0	30.6	42.3	33.5	36.4	29.1	27.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2780.4
2795.0
2816.8
2843.1
2867.8
2892.6
2931.9
2980.0
3035.4
3090.8
3153.4
3239.4
3361.8
3527.9
3737.8
3994.3
4294.4
4625.2
4977.9
5323.3
5686.1
6011.1
6337.5
6707.6
7134.6
7689.8
8194.0
8046.8
6943.7
4393.5
1221.2
304.6
163.2
107.8
69.9
29.1
0.0

OF REPORT)