

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: P955436

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955436
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-SB8B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29043 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

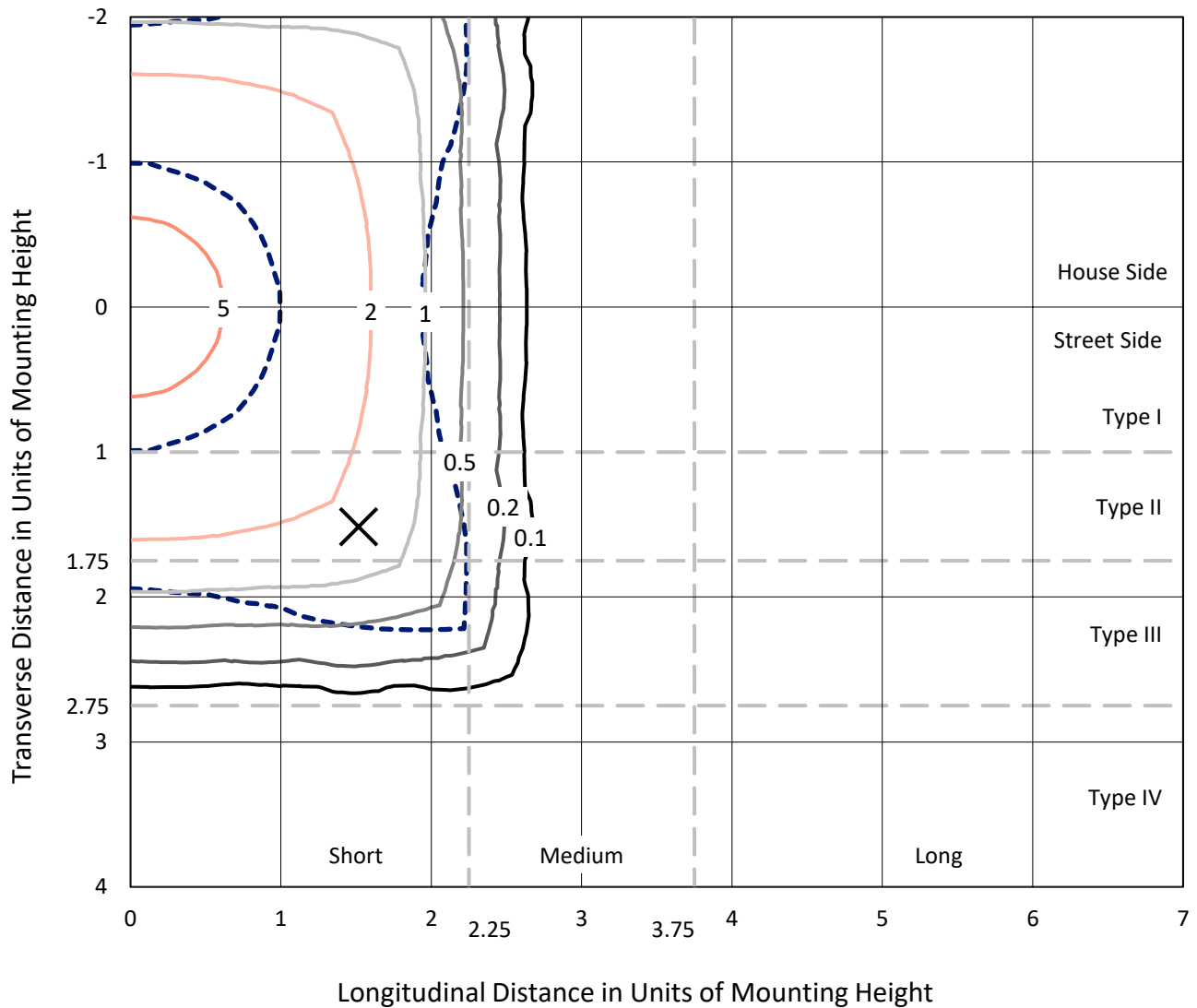
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955436
 CATALOG NUMBER: GALN-SB8B-927-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

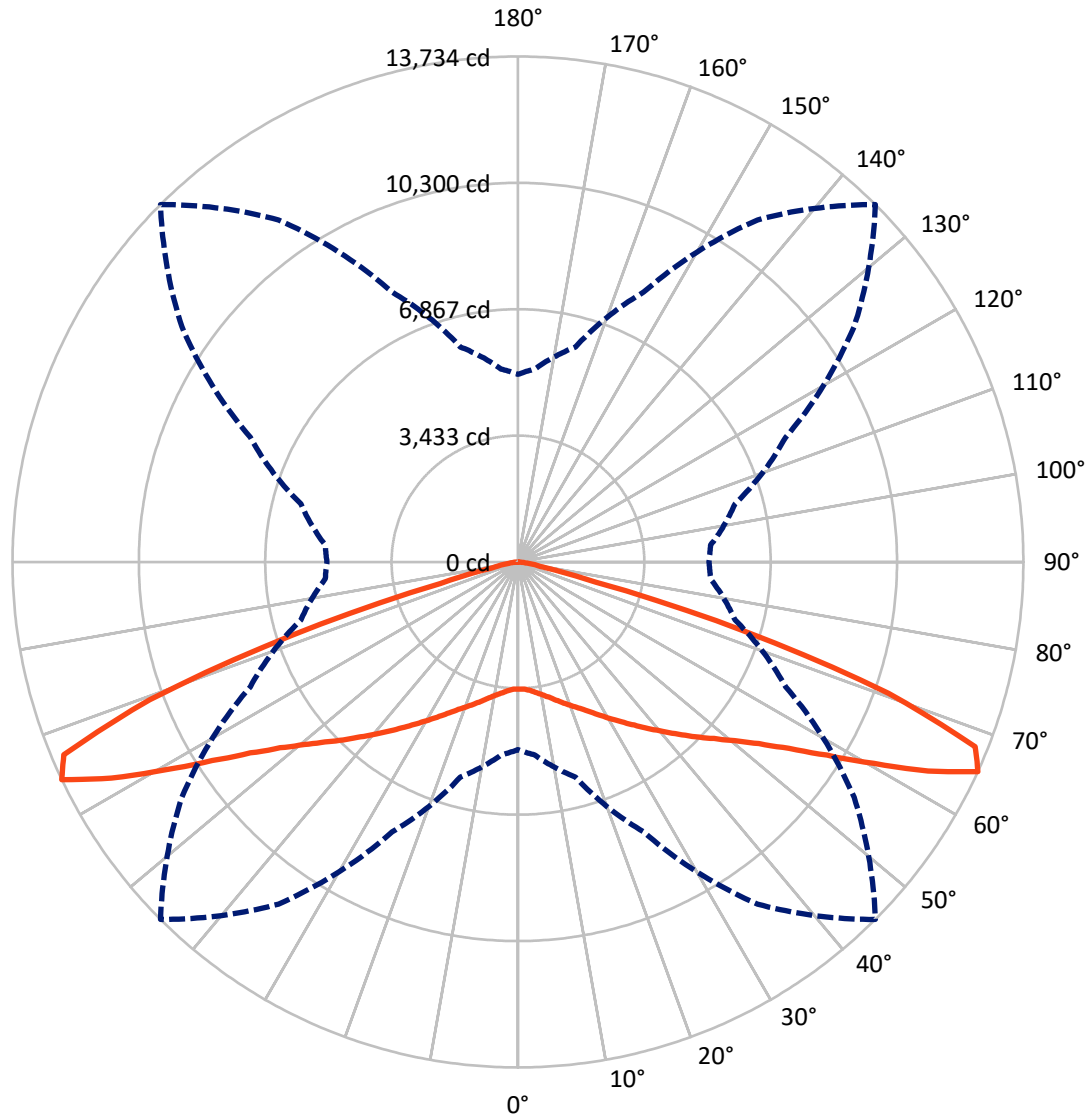
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P955436
CATALOG NUMBER: GALN-SB8B-927-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P955436

CATALOG NUMBER: GALN-SB8B-927-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14521.5	0.0	14521.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14521.5	0.0	14521.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29043.0	0.0	29043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.1	1.2
10°-20°	1113.1	3.8
20°-30°	2101.6	7.2
30°-40°	3441.3	11.8
40°-50°	5335.8	18.4
50°-60°	7882.1	27.1
60°-70°	7503.0	25.8
70°-80°	1210.7	4.2
80°-90°	114.1	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°	29043.0	100.0
0°-180°	29043.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955436

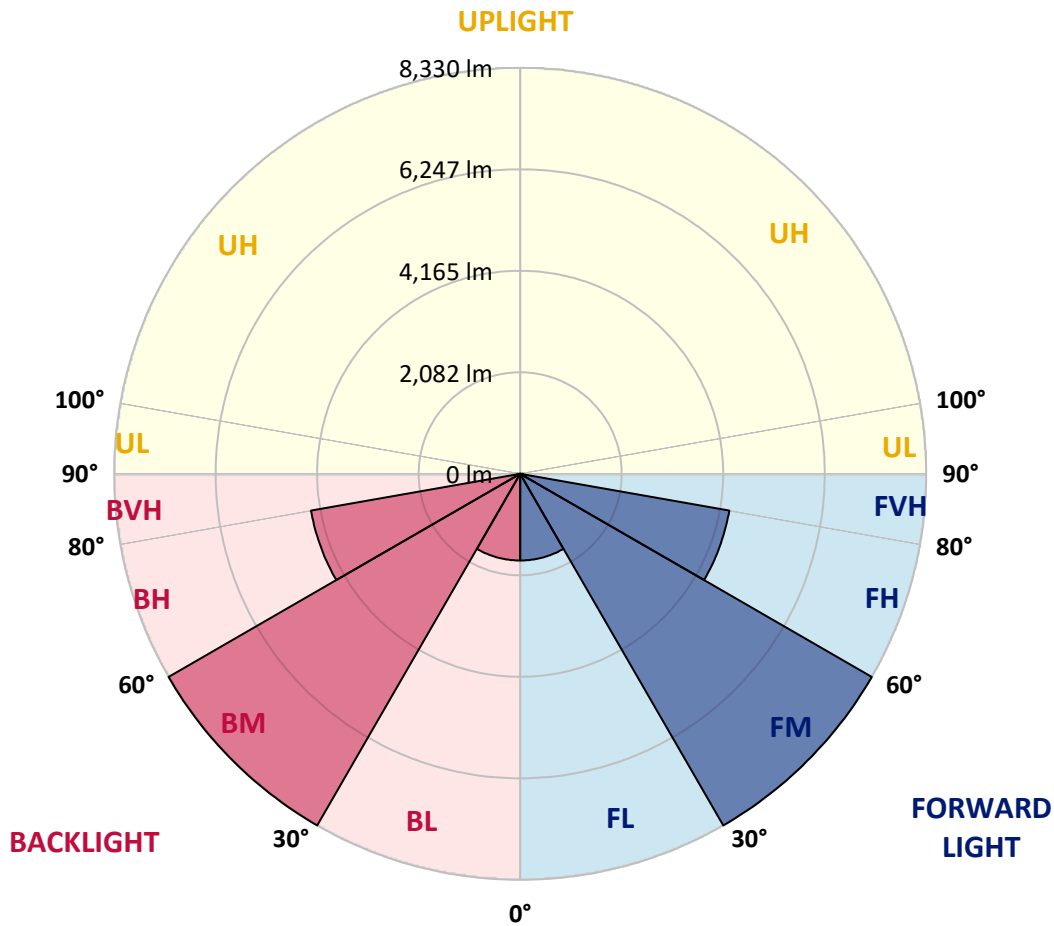
CATALOG NUMBER: GALN-SB8B-927-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1777.9	6.1			
FM (30°-60°)	8329.6	28.7			
FH (60°-80°)	4356.9	15.0			G2/5000
FVH (80°-90°)	57.1	0.2			G1/100
BL (0°-30°)	1777.9	6.1	B3/2500		
BM (30°-60°)	8329.6	28.7	B4/8500		
BH (60°-80°)	4356.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	57.1	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



REPORT NUMBER: P955436
 CATALOG NUMBER: GALN-SB8B-927-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3456.4	3456.4	3456.4	3456.4	3456.4	3456.4	3456.4	3456.4	3456.4	3456.4
2.5°	3479.7	3468.1	3476.8	3469.5	3463.7	3457.9	3460.8	3471.0	3475.4	3476.8
5°	3526.4	3516.2	3520.5	3520.5	3510.3	3507.4	3508.9	3516.2	3524.9	3524.9
7.5°	3602.1	3591.9	3602.1	3596.3	3587.6	3584.6	3583.2	3589.0	3602.1	3602.1
10°	3693.9	3682.3	3688.1	3685.2	3675.0	3670.6	3669.2	3677.9	3689.6	3688.1
12.5°	3794.5	3781.4	3788.6	3779.9	3777.0	3772.6	3772.6	3771.2	3778.4	3772.6
15°	3906.7	3897.9	3900.8	3895.0	3899.4	3896.5	3884.8	3879.0	3881.9	3873.2
17.5°	4039.3	4018.9	4029.1	4026.2	4026.2	4032.0	4013.0	4005.8	4011.6	4002.8
20°	4192.3	4171.9	4176.2	4170.4	4163.1	4169.0	4145.6	4151.5	4155.8	4150.0
22.5°	4359.9	4333.6	4332.2	4335.1	4319.1	4320.5	4304.5	4319.1	4327.8	4311.8
25°	4531.8	4504.1	4523.1	4515.8	4495.4	4499.7	4488.1	4502.7	4509.9	4489.5
27.5°	4713.9	4695.0	4712.5	4716.9	4692.1	4709.6	4692.1	4705.2	4712.5	4681.9
30°	4926.7	4907.7	4923.8	4935.4	4906.3	4934.0	4919.4	4928.1	4929.6	4893.2
32.5°	5158.4	5129.2	5170.0	5175.9	5143.8	5177.3	5158.4	5170.0	5177.3	5127.8
35°	5441.1	5404.6	5451.3	5444.0	5416.3	5444.0	5426.5	5444.0	5461.5	5401.7
37.5°	5745.6	5707.7	5757.3	5744.2	5717.9	5736.9	5726.7	5738.3	5766.0	5701.9
40°	6080.8	6034.1	6101.2	6077.9	6053.1	6050.2	6056.0	6063.3	6099.7	6028.3
42.5°	6439.2	6389.7	6490.2	6453.8	6418.8	6395.5	6414.5	6429.0	6464.0	6383.9
45°	6848.7	6791.9	6923.0	6879.3	6823.9	6775.8	6806.4	6828.3	6879.3	6783.1
47.5°	7300.4	7236.3	7376.2	7363.1	7272.7	7167.8	7237.8	7300.4	7338.3	7221.7
50°	7741.9	7692.4	7876.0	7892.0	7781.3	7634.1	7731.7	7826.5	7836.7	7683.7
52.5°	8155.8	8106.2	8372.9	8473.4	8374.4	8199.5	8303.0	8399.1	8321.9	8123.7
55°	8486.6	8445.8	8785.3	9044.7	9078.2	8933.9	8995.1	8992.2	8738.6	8434.1
57.5°	8566.7	8560.9	8989.3	9538.6	9888.4	9905.8	9784.9	9476.0	8929.5	8520.1
60°	8202.4	8238.8	8827.5	9796.6	10729.1	11116.8	10593.6	9712.0	8712.4	8144.1
62.5°	7112.4	7208.6	7918.3	9481.8	11408.2	12509.8	11242.1	9353.6	7820.6	7078.9
65°	5097.2	5264.8	6048.7	8091.7	11347.0	13733.8	11148.8	8026.1	6107.0	5251.6
67.5°	2312.5	2483.0	3148.9	5540.2	9863.6	13401.6	9840.3	5598.4	3306.3	2491.8
70°	837.9	867.0	1081.2	2217.8	6303.7	10678.1	6573.3	2233.8	1149.7	923.8
72.5°	507.1	511.5	556.6	794.2	2190.1	6482.9	2283.4	820.4	568.3	504.2
75°	322.0	319.1	396.4	485.2	776.7	2187.2	814.6	485.2	394.9	359.9
77.5°	231.7	239.0	284.1	362.8	489.6	741.7	480.9	346.8	284.1	233.1
80°	173.4	177.8	206.9	282.7	343.9	461.9	306.0	256.5	214.2	145.7
82.5°	125.3	125.3	135.5	205.5	209.8	249.2	166.1	180.7	141.3	103.5
85°	74.3	72.9	84.5	122.4	109.3	91.8	75.8	110.7	88.9	64.1
87.5°	26.2	27.7	26.2	35.0	29.1	24.8	23.3	30.6	24.8	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3456.4
3476.8
3524.9
3597.8
3685.2
3775.5
3874.6
4010.1
4163.1
4327.8
4512.9
4705.2
4915.0
5161.3
5438.2
5741.3
6051.6
6426.1
6832.7
7261.1
7702.6
8129.6
8444.3
8493.8
8077.1
7035.2
5189.0
2455.3
912.2
512.9
362.8
237.5
150.1
103.5
62.7
20.4
0.0

OF REPORT)