

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: P956507

Luminaire Tested: **GALN-SB9A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956507
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-SB9A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26061 lumens
Efficiency: N/A
Efficacy: 102.0 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

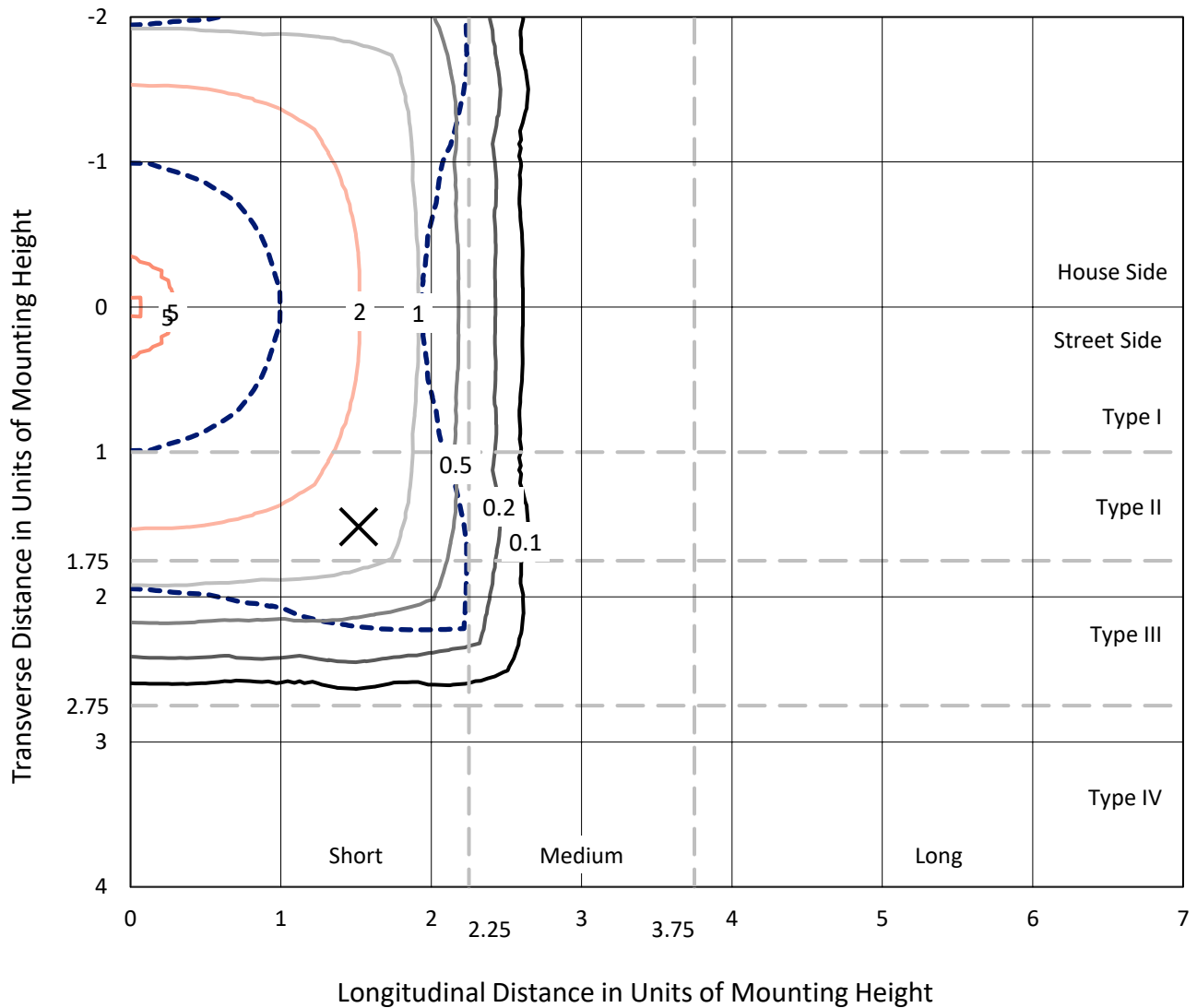
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956507
 CATALOG NUMBER: GALN-SB9A-927-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

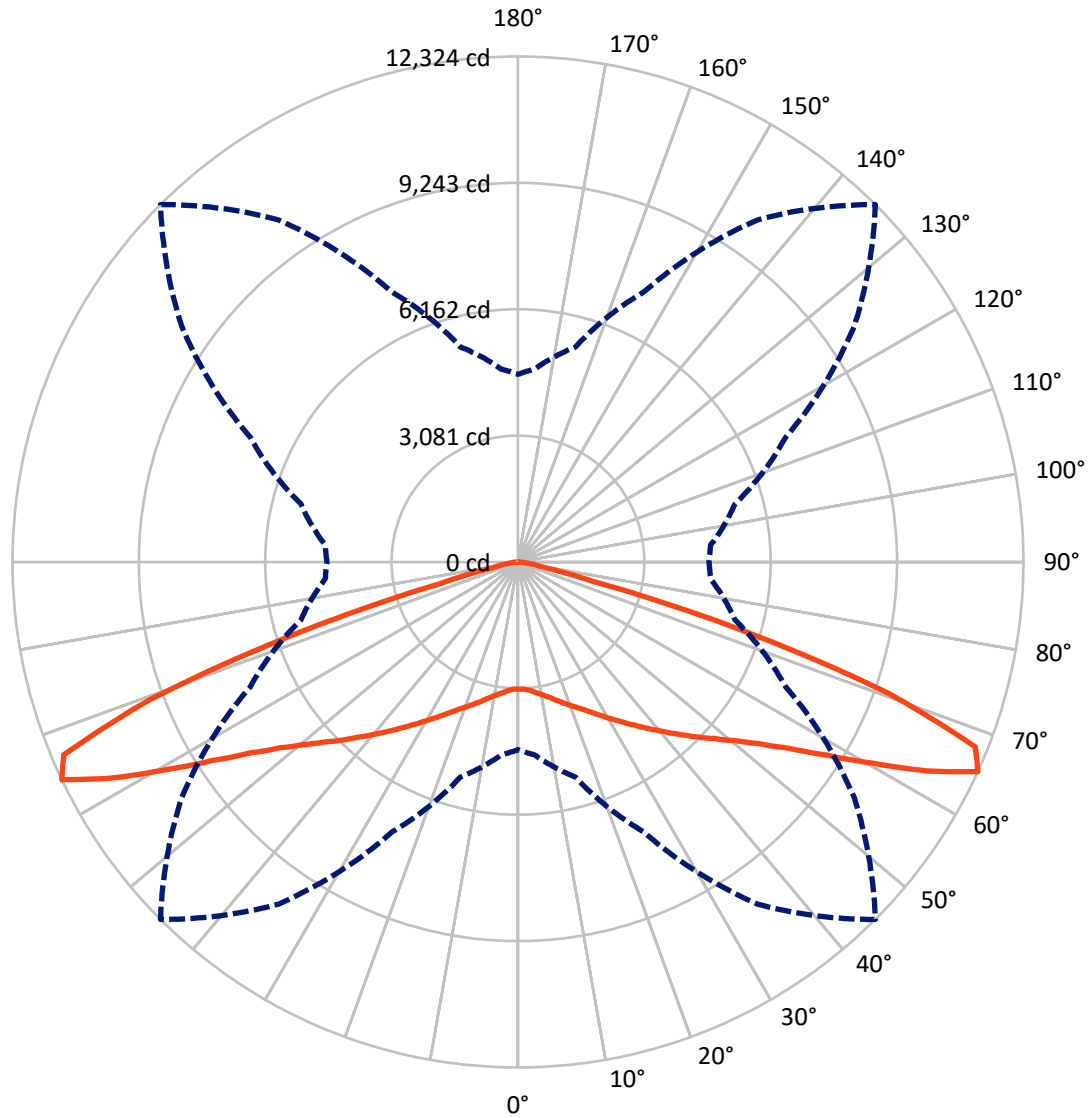
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

REPORT NUMBER: P956507
CATALOG NUMBER: GALN-SB9A-927-U-5NQ

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GALN-SB9A-927-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13030.5	0.0	13030.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13030.5	0.0	13030.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26061.0	0.0	26061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.1	1.2
10°-20°	998.8	3.8
20°-30°	1885.8	7.2
30°-40°	3088.0	11.8
40°-50°	4788.0	18.4
50°-60°	7072.8	27.1
60°-70°	6732.7	25.8
70°-80°	1086.4	4.2
80°-90°	102.4	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°	26061.0	100.0
0°-180°	26061.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956507

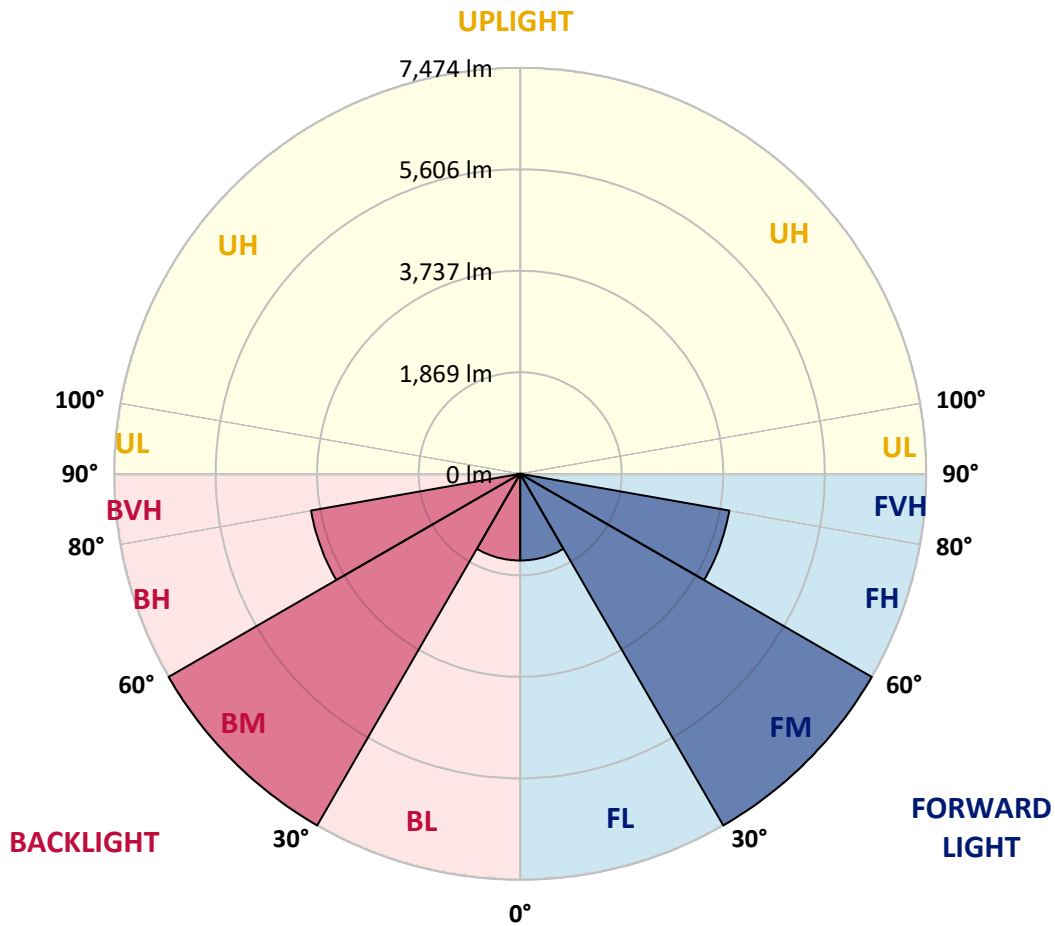
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1595.4	6.1			
FM (30°-60°)	7474.4	28.7			
FH (60°-80°)	3909.5	15.0			G2/5000
FVH (80°-90°)	51.2	0.2			G1/100
BL (0°-30°)	1595.4	6.1	B3/2500		
BM (30°-60°)	7474.4	28.7	B4/8500		
BH (60°-80°)	3909.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	51.2	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°	3101.5	3101.5	3101.5	3101.5	3101.5	3101.5	3101.5	3101.5	3101.5	3101.5
2.5°	3122.4	3112.0	3119.8	3113.3	3108.1	3102.8	3105.4	3114.6	3118.5	3119.8
5°	3164.3	3155.1	3159.1	3159.1	3149.9	3147.3	3148.6	3155.1	3163.0	3163.0
7.5°	3232.3	3223.1	3232.3	3227.0	3219.2	3216.6	3215.3	3220.5	3232.3	3232.3
10°	3314.7	3304.2	3309.4	3306.8	3297.7	3293.7	3292.4	3300.3	3310.7	3309.4
12.5°	3404.9	3393.1	3399.6	3391.8	3389.2	3385.3	3385.3	3384.0	3390.5	3385.3
15°	3505.6	3497.7	3500.3	3495.1	3499.0	3496.4	3485.9	3480.7	3483.3	3475.5
17.5°	3624.5	3606.2	3615.4	3612.8	3612.8	3618.0	3601.0	3594.5	3599.7	3591.9
20°	3761.8	3743.5	3747.5	3742.2	3735.7	3740.9	3720.0	3725.2	3729.1	3723.9
22.5°	3912.2	3888.7	3887.4	3890.0	3875.6	3876.9	3862.5	3875.6	3883.4	3869.1
25°	4066.5	4041.7	4058.6	4052.1	4033.8	4037.7	4027.3	4040.3	4046.9	4028.6
27.5°	4229.9	4212.9	4228.6	4232.6	4210.3	4226.0	4210.3	4222.1	4228.6	4201.2
30°	4420.8	4403.8	4418.2	4428.7	4402.5	4427.4	4414.3	4422.1	4423.5	4390.8
32.5°	4628.7	4602.6	4639.2	4644.4	4615.7	4645.7	4628.7	4639.2	4645.7	4601.3
35°	4882.4	4849.7	4891.6	4885.0	4860.2	4885.0	4869.3	4885.0	4900.7	4847.1
37.5°	5155.7	5121.7	5166.1	5154.4	5130.8	5147.8	5138.7	5149.2	5174.0	5116.5
40°	5456.4	5414.6	5474.7	5453.8	5431.6	5429.0	5434.2	5440.7	5473.4	5409.4
42.5°	5778.1	5733.6	5823.8	5791.2	5759.8	5738.9	5755.9	5768.9	5800.3	5728.4
45°	6145.5	6094.5	6212.2	6173.0	6123.3	6080.1	6107.6	6127.2	6173.0	6086.7
47.5°	6550.8	6493.3	6618.8	6607.1	6526.0	6431.9	6494.6	6550.8	6584.8	6480.2
50°	6947.0	6902.6	7067.3	7081.7	6982.3	6850.3	6937.9	7022.9	7032.0	6894.7
52.5°	7318.4	7273.9	7513.2	7603.4	7514.5	7357.6	7450.4	7536.7	7467.4	7289.6
55°	7615.2	7578.6	7883.2	8116.0	8146.1	8016.6	8071.5	8068.9	7841.4	7568.1
57.5°	7687.1	7681.9	8066.3	8559.3	8873.1	8888.8	8780.2	8503.0	8012.7	7645.3
60°	7360.2	7392.9	7921.2	8790.7	9627.5	9975.3	9505.9	8714.9	7817.9	7307.9
62.5°	6382.2	6468.5	7105.3	8508.3	10236.8	11225.4	10087.8	8393.2	7017.6	6352.1
65°	4573.8	4724.2	5427.7	7260.9	10181.9	12323.7	10004.1	7202.0	5480.0	4712.4
67.5°	2075.1	2228.1	2825.6	4971.3	8850.8	12025.6	8829.9	5023.6	2966.8	2235.9
70°	751.8	778.0	970.2	1990.1	5656.5	9581.8	5898.4	2004.5	1031.7	829.0
72.5°	455.0	459.0	499.5	712.6	1965.3	5817.3	2048.9	736.2	509.9	452.4
75°	289.0	286.4	355.7	435.4	696.9	1962.6	730.9	435.4	354.3	323.0
77.5°	207.9	214.4	255.0	325.6	439.3	665.5	431.5	311.2	255.0	209.2
80°	155.6	159.5	185.7	253.7	308.6	414.5	274.6	230.1	192.2	130.8
82.5°	112.4	112.4	121.6	184.4	188.3	223.6	149.1	162.1	126.8	92.8
85°	66.7	65.4	75.8	109.8	98.1	82.4	68.0	99.4	79.8	57.5
87.5°	23.5	24.8	23.5	31.4	26.2	22.2	20.9	27.5	22.2	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3101.5
3119.8
3163.0
3228.4
3306.8
3387.9
3476.8
3598.4
3735.7
3883.4
4049.5
4222.1
4410.4
4631.4
4879.8
5151.8
5430.3
5766.3
6131.1
6515.5
6911.7
7294.8
7577.3
7621.7
7247.8
6312.9
4656.2
2203.2
818.5
460.3
325.6
213.1
134.7
92.8
56.2
18.3
0.0

OF REPORT)