

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: P957577

Luminaire Tested: **GALN-SB9D-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957577
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-SB9D-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59084 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

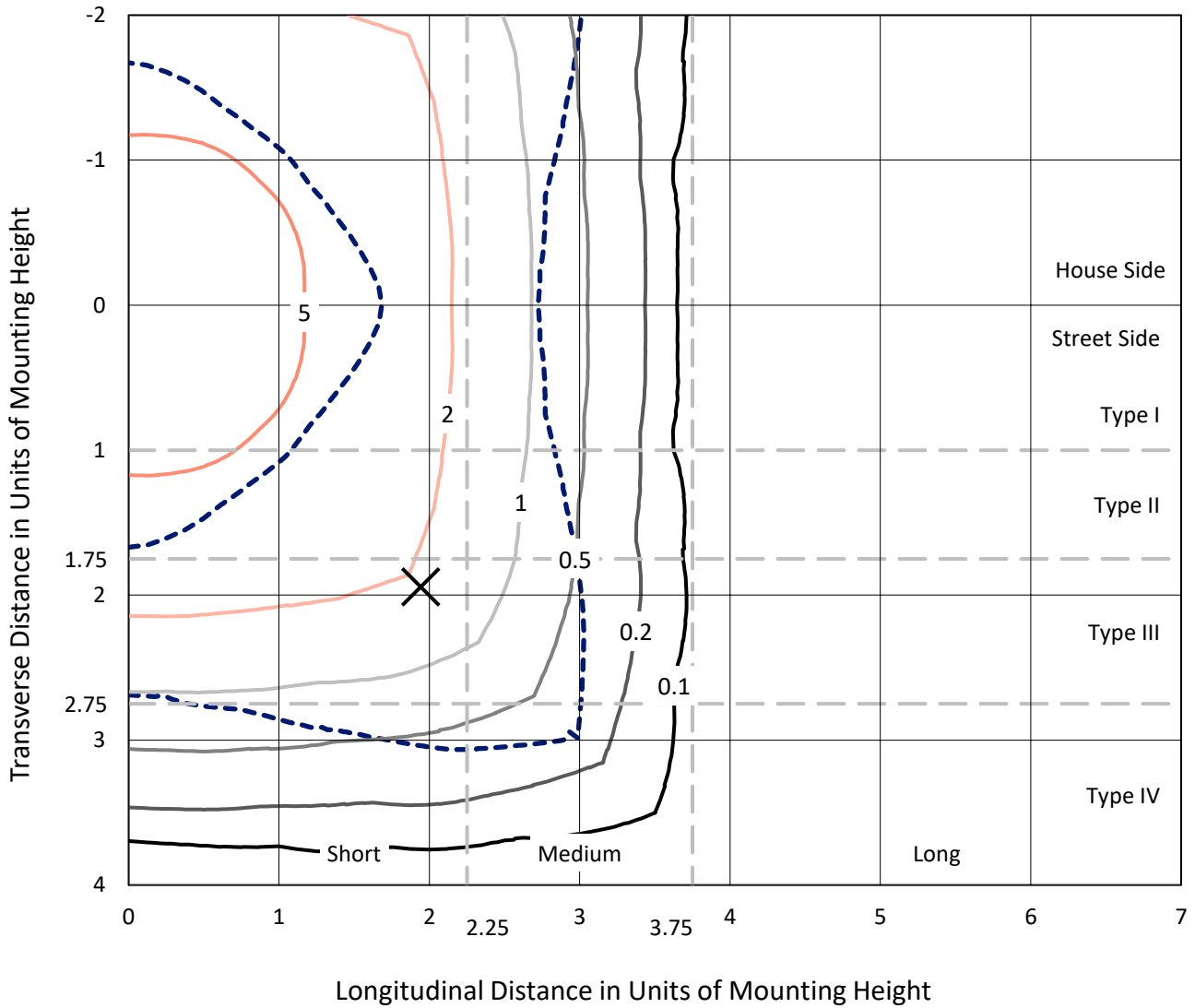
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957577
 CATALOG NUMBER: GALN-SB9D-927-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

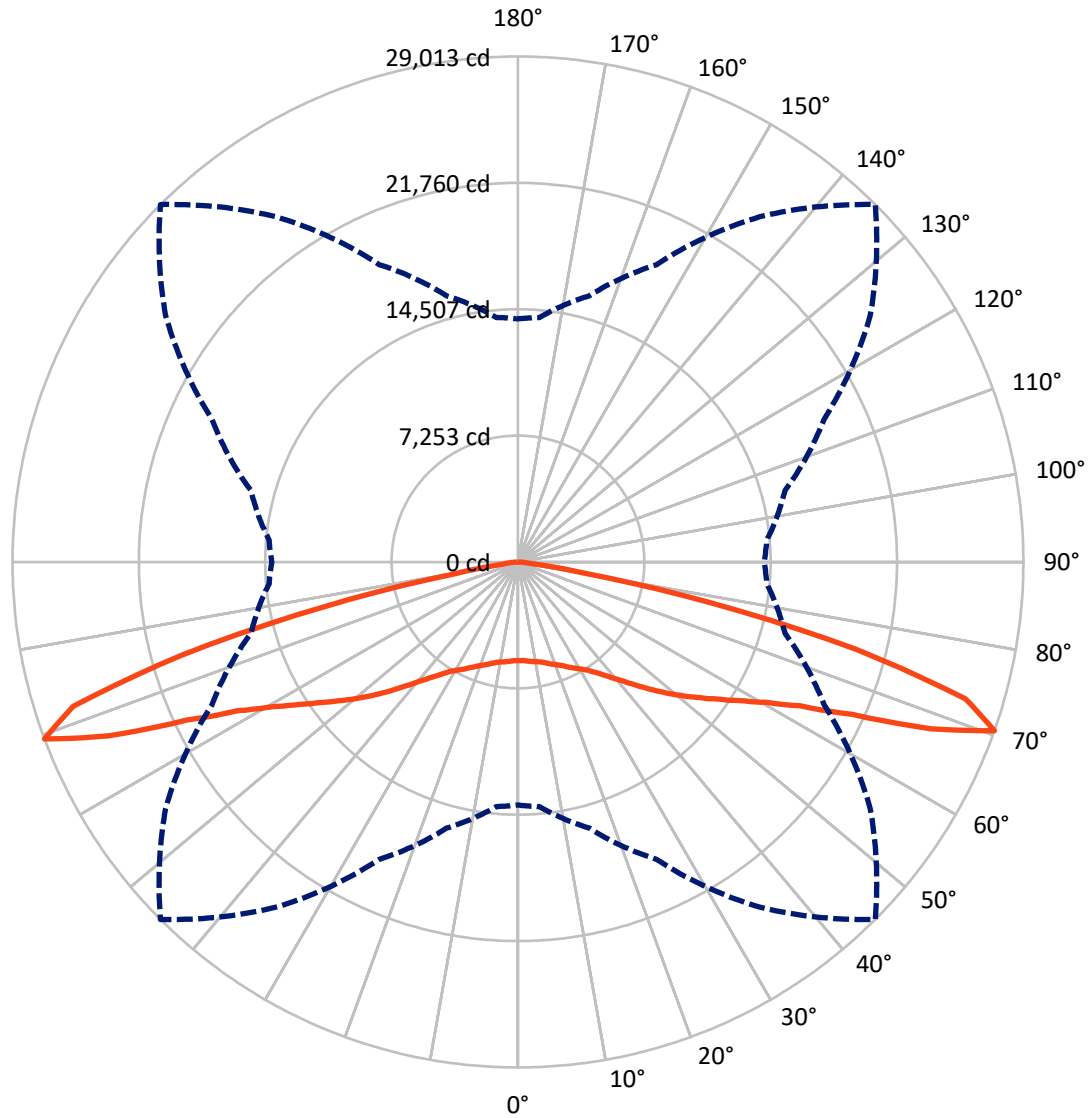
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

REPORT NUMBER: P957577
CATALOG NUMBER: GALN-SB9D-927-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P957577

CATALOG NUMBER: GALN-SB9D-927-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29542.0	0.0	29542.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29542.0	0.0	29542.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59084.0	0.0	59084.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.8	0.9
10°-20°	1705.0	2.9
20°-30°	3047.0	5.2
30°-40°	4939.1	8.4
40°-50°	8045.0	13.6
50°-60°	12265.9	20.8
60°-70°	18247.8	30.9
70°-80°	9945.7	16.8
80°-90°	338.7	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°	59084.0	100.0
0°-180°	59084.0	100.0



REPORT NUMBER: P957577

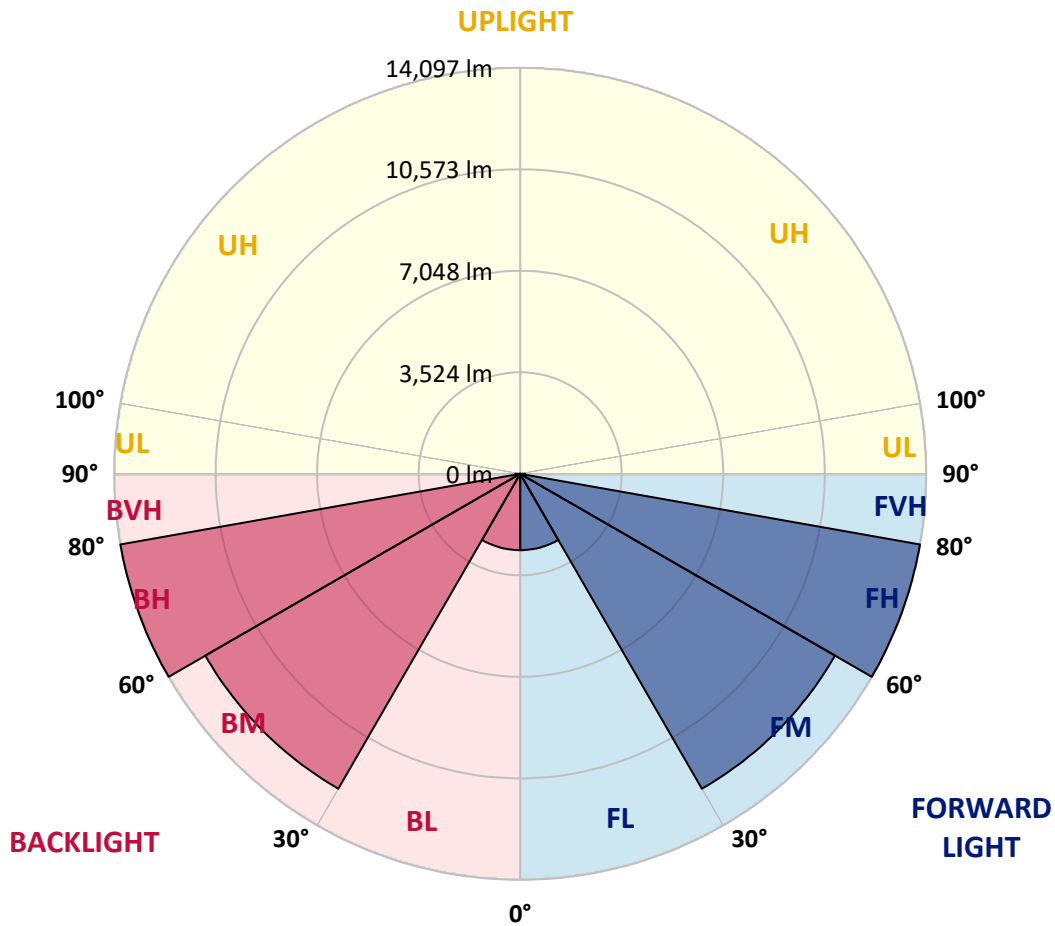
CATALOG NUMBER: GALN-SB9D-927-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2650.9	4.5			
FM (30°-60°)	12625.0	21.4			
FH (60°-80°)	14096.7	23.9			G5
FVH (80°-90°)	169.3	0.3			G2/225
BL (0°-30°)	2650.9	4.5	B4/5000		
BM (30°-60°)	12625.0	21.4	B5		
BH (60°-80°)	14096.7	23.9	B5		G5
BVH (80°-90°)	169.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



REPORT NUMBER: P957577

CATALOG NUMBER: GALN-SB9D-927-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5659.6	5659.6	5659.6	5659.6	5659.6	5659.6	5659.6	5659.6	5659.6	5659.6
2.5°	5686.3	5692.3	5680.4	5674.5	5668.5	5659.6	5662.6	5677.4	5689.3	5686.3
5°	5733.8	5739.7	5730.8	5727.9	5716.0	5713.0	5713.0	5727.9	5736.8	5730.8
7.5°	5787.2	5796.1	5781.3	5778.3	5772.4	5766.4	5763.5	5778.3	5787.2	5787.2
10°	5837.6	5846.5	5834.6	5825.7	5819.8	5819.8	5813.9	5825.7	5840.6	5837.6
12.5°	5891.0	5896.9	5885.1	5879.1	5879.1	5888.0	5879.1	5885.1	5896.9	5891.0
15°	5956.3	5959.2	5956.3	5965.2	5980.0	6009.7	5983.0	5977.0	5983.0	5968.1
17.5°	6045.3	6051.2	6063.0	6083.8	6104.6	6158.0	6110.5	6095.7	6095.7	6066.0
20°	6155.0	6163.9	6181.7	6217.3	6244.0	6294.4	6247.0	6226.2	6217.3	6178.7
22.5°	6270.7	6285.5	6312.2	6359.7	6407.1	6454.6	6407.1	6371.5	6344.8	6294.4
25°	6404.2	6422.0	6463.5	6540.6	6605.9	6674.1	6617.7	6546.5	6493.2	6422.0
27.5°	6594.0	6614.8	6665.2	6760.1	6843.2	6902.5	6849.1	6757.2	6683.0	6597.0
30°	6861.0	6881.7	6941.1	7041.9	7098.3	7136.8	7101.2	7030.1	6941.1	6843.2
32.5°	7205.1	7231.8	7297.0	7391.9	7403.8	7409.7	7397.9	7362.3	7297.0	7178.4
35°	7641.1	7670.8	7744.9	7822.0	7810.2	7822.0	7804.2	7792.4	7744.9	7608.5
37.5°	8175.0	8210.6	8287.7	8347.1	8317.4	8302.6	8305.5	8308.5	8281.8	8130.5
40°	8795.0	8842.4	8898.8	8961.1	8910.7	8866.2	8895.8	8919.6	8895.8	8741.6
42.5°	9432.7	9501.0	9560.3	9649.3	9607.7	9551.4	9592.9	9619.6	9569.2	9403.1
45°	10141.7	10206.9	10284.0	10417.5	10387.9	10328.5	10387.9	10393.8	10307.8	10112.0
47.5°	10874.3	10942.6	11058.2	11236.2	11224.4	11159.1	11236.2	11194.7	11084.9	10850.6
50°	11568.4	11663.4	11841.3	12090.5	12114.2	12034.1	12138.0	12057.9	11874.0	11580.3
52.5°	12221.0	12321.9	12603.7	12941.8	13027.8	12924.0	13063.4	12924.0	12648.2	12271.4
55°	12906.2	13018.9	13354.1	13796.1	13968.1	13891.0	14021.5	13810.9	13419.4	12962.6
57.5°	13713.0	13781.3	14181.7	14706.7	14997.4	15015.2	15074.6	14718.6	14244.0	13724.9
60°	14588.1	14683.0	15119.1	15747.9	16207.7	16356.0	16293.7	15765.7	15214.0	14617.8
62.5°	15709.3	15813.2	16335.2	17088.7	17815.4	18183.2	17940.0	17174.7	16492.4	15777.6
65°	16637.8	16753.5	17696.7	19040.5	20363.4	21102.0	20491.0	19082.0	17854.0	16845.4
67.5°	15964.4	16106.8	17587.0	20054.9	23344.5	25548.4	23457.2	20357.5	17951.8	16584.4
70°	13953.3	14086.8	15813.2	18829.9	24184.0	29013.0	24688.2	19384.5	15869.5	14338.9
72.5°	9263.6	9693.8	11440.9	15059.7	21594.4	26847.7	21808.0	14754.2	10613.3	9242.9
75°	3073.1	3417.1	4609.6	7807.2	14463.5	20078.7	13769.4	6908.4	3651.5	2628.1
77.5°	774.2	892.8	1231.0	2233.6	5769.4	11432.0	5193.9	1824.3	993.7	694.1
80°	376.7	415.3	593.3	744.5	1444.6	3633.7	1355.6	700.0	468.7	361.9
82.5°	207.6	210.6	335.2	421.2	536.9	940.3	557.7	409.3	269.9	219.5
85°	127.5	124.6	178.0	225.4	225.4	335.2	267.0	225.4	154.2	136.4
87.5°	50.4	50.4	65.3	71.2	62.3	86.0	68.2	74.2	59.3	56.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5659.6
5689.3
5733.8
5787.2
5837.6
5888.0
5968.1
6066.0
6178.7
6291.5
6419.0
6594.0
6843.2
7181.3
7608.5
8130.5
8741.6
9414.9
10132.8
10835.8
11574.4
12235.8
12900.3
13653.7
14522.8
15653.0
16679.3
16379.7
14134.3
8943.3
2485.7
619.9
332.2
219.5
142.4
59.3
0.0

OF REPORT)