

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: P944100

Luminaire Tested: **GALN-SB8D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50663 lumens
Efficiency: N/A
Efficacy: 86.6 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

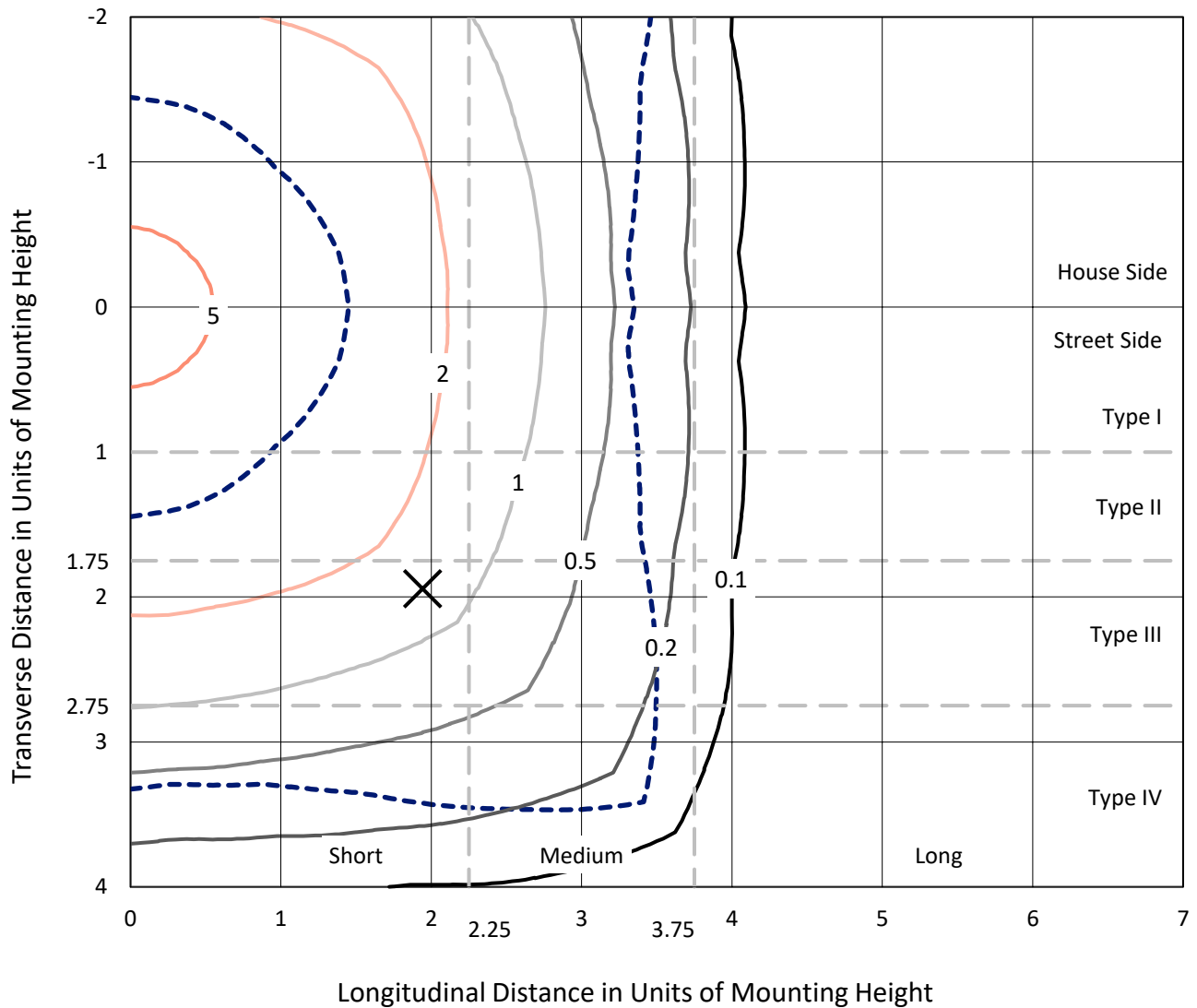
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944100
 CATALOG NUMBER: GALN-SB8D-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

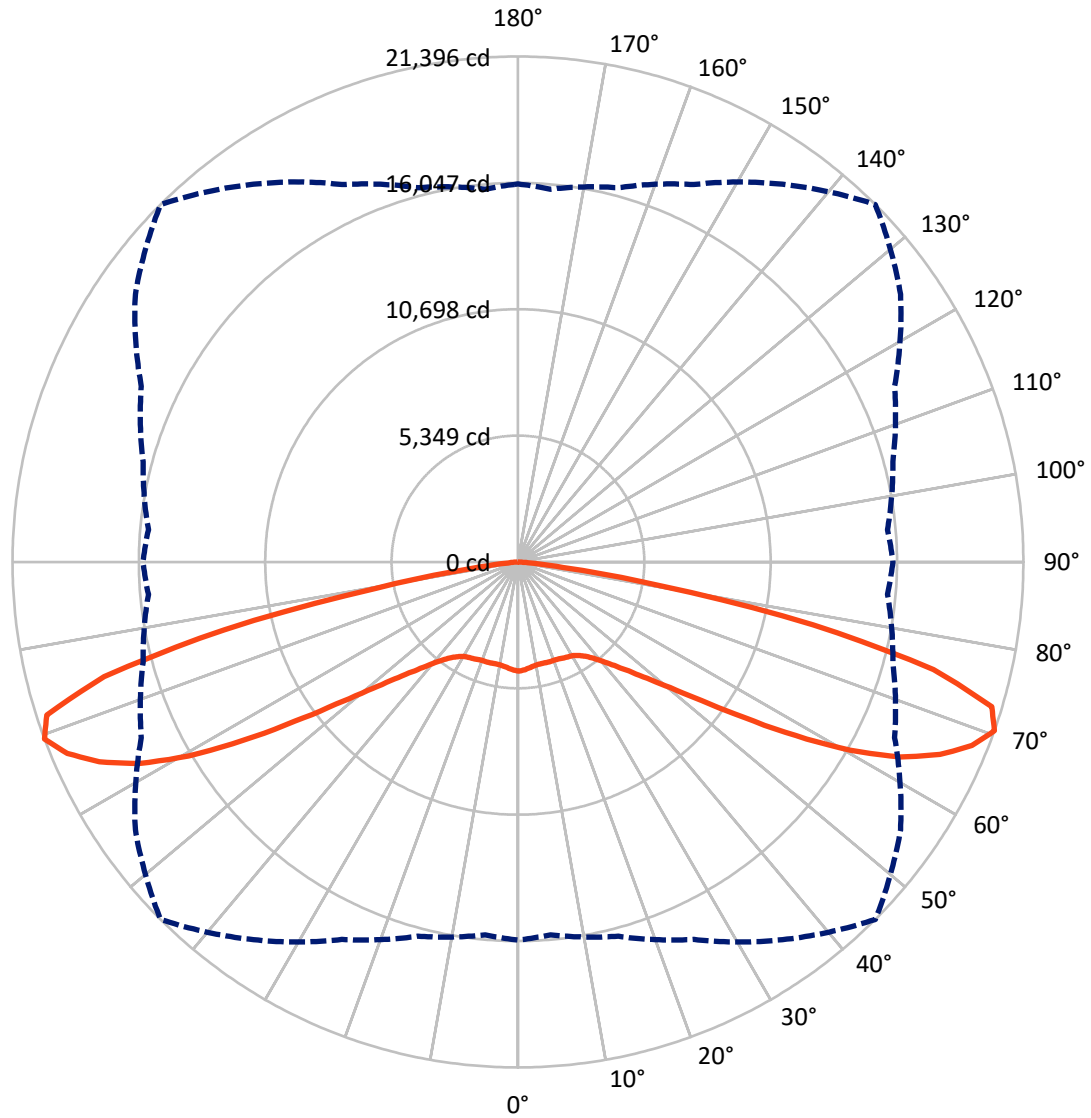
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P944100
CATALOG NUMBER: GALN-SB8D-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P944100
 CATALOG NUMBER: GALN-SB8D-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25331.5	0.0	25331.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25331.5	0.0	25331.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50663.0	0.0	50663.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.9	0.8
10°-20°	1262.3	2.5
20°-30°	2100.7	4.1
30°-40°	3176.9	6.3
40°-50°	5279.2	10.4
50°-60°	9961.6	19.7
60°-70°	16820.6	33.2
70°-80°	11052.9	21.8
80°-90°	579.1	1.1
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°	50663.0	100.0
0°-180°	50663.0	100.0



REPORT NUMBER: P944100

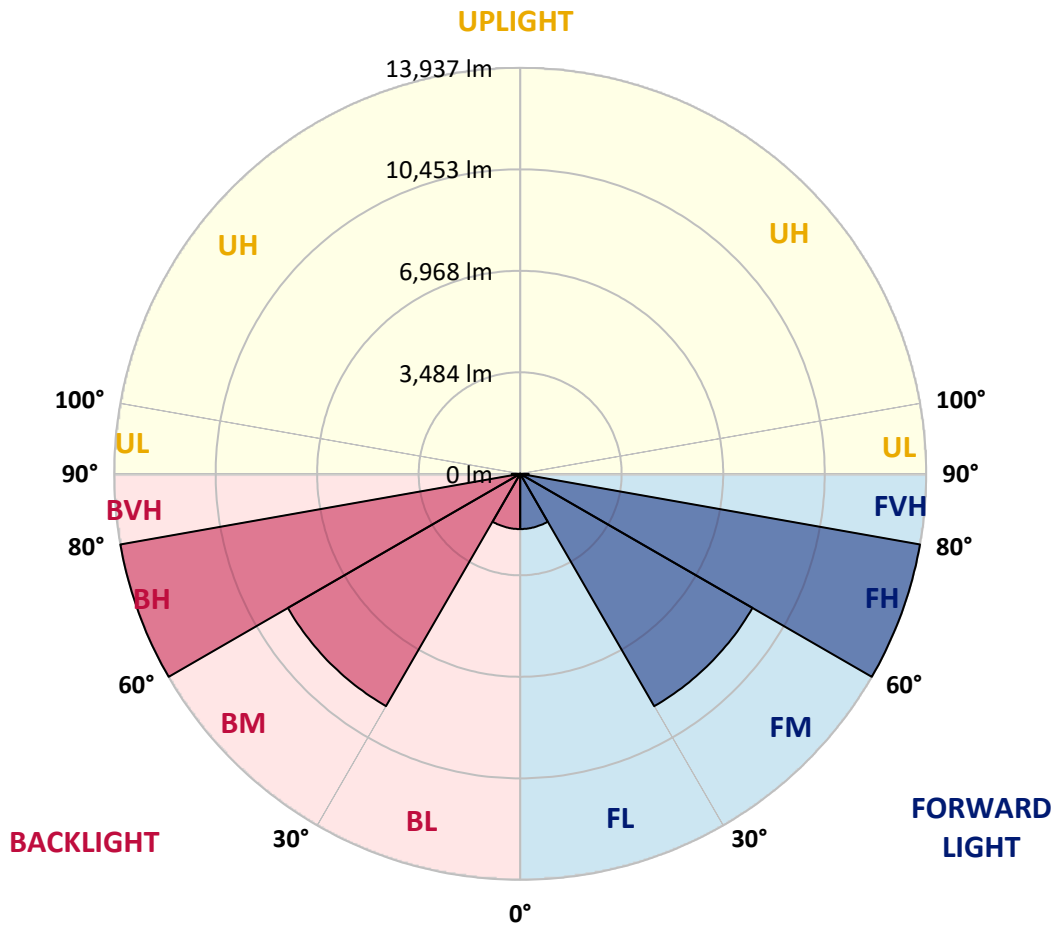
CATALOG NUMBER: GALN-SB8D-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.5	3.7			
FM (30°-60°)	9208.8	18.2			
FH (60°-80°)	13936.7	27.5			G5
FVH (80°-90°)	289.5	0.6			G3/500
BL (0°-30°)	1896.5	3.7	B3/2500		
BM (30°-60°)	9208.8	18.2	B5		
BH (60°-80°)	13936.7	27.5	B5		G5
BVH (80°-90°)	289.5	0.6			G3/500
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: P944100
 CATALOG NUMBER: GALN-SB8D-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4621.5	4621.5	4621.5	4621.5	4621.5	4621.5	4621.5	4621.5	4621.5	4621.5
2.5°	4592.5	4605.7	4600.4	4589.9	4589.9	4582.0	4589.9	4595.2	4603.1	4608.3
5°	4532.0	4542.5	4539.9	4532.0	4534.6	4526.7	4532.0	4539.9	4545.1	4547.8
7.5°	4479.3	4489.8	4484.6	4471.4	4471.4	4463.5	4466.1	4474.0	4481.9	4484.6
10°	4466.1	4476.7	4460.9	4439.8	4431.9	4421.4	4424.0	4431.9	4447.7	4455.6
12.5°	4471.4	4479.3	4463.5	4431.9	4424.0	4413.5	4413.5	4421.4	4442.4	4453.0
15°	4487.2	4495.1	4471.4	4437.2	4429.3	4421.4	4418.7	4429.3	4453.0	4471.4
17.5°	4516.2	4524.1	4487.2	4439.8	4429.3	4431.9	4429.3	4437.2	4474.0	4508.3
20°	4542.5	4547.8	4497.7	4439.8	4429.3	4431.9	4429.3	4445.1	4492.5	4539.9
22.5°	4550.4	4555.7	4508.3	4458.2	4450.3	4453.0	4450.3	4466.1	4510.9	4558.3
25°	4553.0	4560.9	4524.1	4484.6	4497.7	4503.0	4497.7	4500.4	4534.6	4576.7
27.5°	4592.5	4603.1	4568.8	4534.6	4542.5	4539.9	4547.8	4555.7	4582.0	4624.1
30°	4674.2	4682.1	4653.1	4618.9	4613.6	4595.2	4618.9	4645.2	4674.2	4711.0
32.5°	4808.5	4824.3	4787.4	4750.5	4726.8	4716.3	4734.7	4779.5	4819.0	4858.5
35°	5032.3	5042.8	5008.6	4940.1	4898.0	4898.0	4913.8	4971.7	5034.9	5085.0
37.5°	5348.3	5361.5	5300.9	5219.3	5156.1	5156.1	5177.1	5237.7	5332.5	5403.6
40°	5732.7	5751.2	5674.8	5590.5	5530.0	5519.4	5545.8	5614.2	5703.8	5793.3
42.5°	6196.2	6217.3	6117.2	6043.5	5996.1	5996.1	6009.2	6072.4	6154.1	6264.7
45°	6788.7	6825.6	6688.6	6614.9	6570.1	6580.7	6588.6	6643.9	6717.6	6844.0
47.5°	7494.4	7531.3	7386.5	7310.1	7302.2	7352.2	7320.6	7360.1	7399.6	7544.5
50°	8295.0	8358.2	8258.1	8252.8	8268.6	8360.8	8287.1	8308.1	8263.4	8355.5
52.5°	9274.6	9366.7	9348.3	9379.9	9556.3	9745.9	9577.4	9503.7	9335.1	9364.1
55°	10462.2	10601.8	10628.1	10817.7	11218.0	11605.1	11246.9	10949.4	10591.2	10525.4
57.5°	11813.1	11923.7	12050.1	12437.2	13185.1	13872.4	13185.1	12526.7	11963.2	11828.9
60°	13266.7	13403.6	13524.8	14096.2	15207.5	16173.9	15186.4	14141.0	13395.7	13214.0
62.5°	14828.3	15004.7	15089.0	15723.6	17019.2	18172.6	17037.6	15771.0	14944.1	14749.3
65°	16326.6	16471.4	16566.2	17243.0	18480.7	19636.7	18564.9	17316.7	16466.2	16210.7
67.5°	17024.4	17103.4	17335.2	18101.5	19407.6	20726.9	19628.8	18183.1	17232.5	16784.8
70°	16002.7	15842.1	16400.3	17627.5	19518.2	21395.8	19771.0	17590.6	16426.7	15699.9
72.5°	12366.1	12089.6	13058.7	15157.4	18254.2	20969.2	18380.6	15275.9	13661.7	12187.0
75°	6728.1	6414.8	7752.5	10406.9	14557.0	18175.2	14891.5	10704.5	8632.0	6678.1
77.5°	1898.6	1780.1	2859.8	5034.9	8755.8	12761.1	9092.9	5145.5	3391.7	2011.9
80°	582.0	563.5	763.7	1516.8	3718.3	6111.9	3573.4	1535.2	971.7	613.6
82.5°	345.0	316.0	379.2	553.0	948.0	1919.7	921.7	576.7	463.5	310.7
85°	197.5	184.3	223.8	268.6	318.6	408.2	266.0	273.9	247.5	165.9
87.5°	81.6	73.7	86.9	84.3	73.7	94.8	71.1	84.3	100.1	65.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4621.5
4605.7
4547.8
4484.6
4455.6
4455.6
4474.0
4508.3
4542.5
4558.3
4574.1
4613.6
4703.1
4842.7
5066.5
5377.2
5764.3
6256.8
6838.7
7502.3
8300.2
9266.7
10422.7
11734.1
13056.0
14591.3
16084.4
16790.1
15873.7
12553.1
7112.6
2235.7
647.8
337.1
173.8
60.6
0.0

OF REPORT)