

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: P956759

Luminaire Tested: **GALN-SB9B-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956759
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-SB9B-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 46736 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

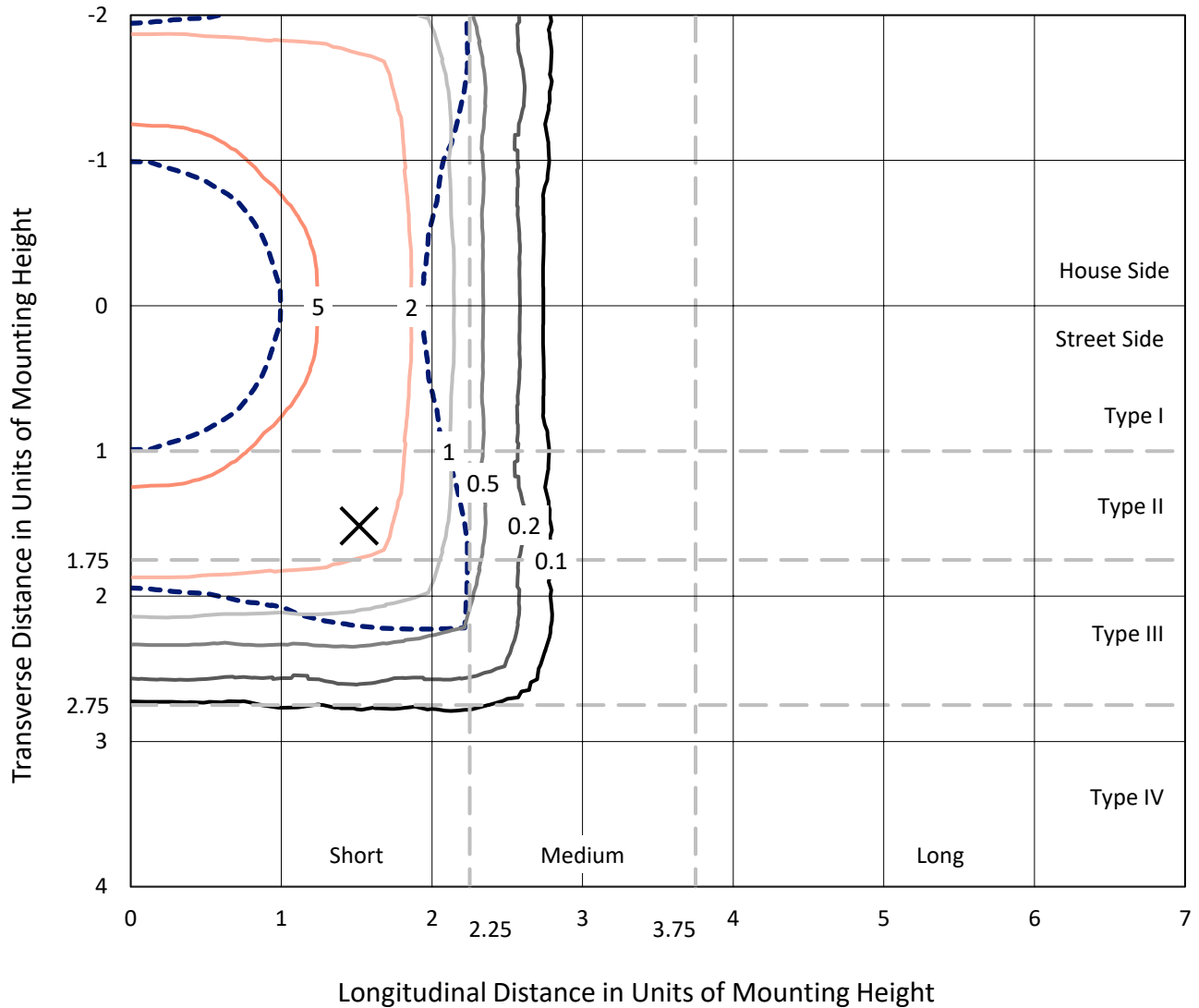
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956759
 CATALOG NUMBER: GALN-SB9B-827-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

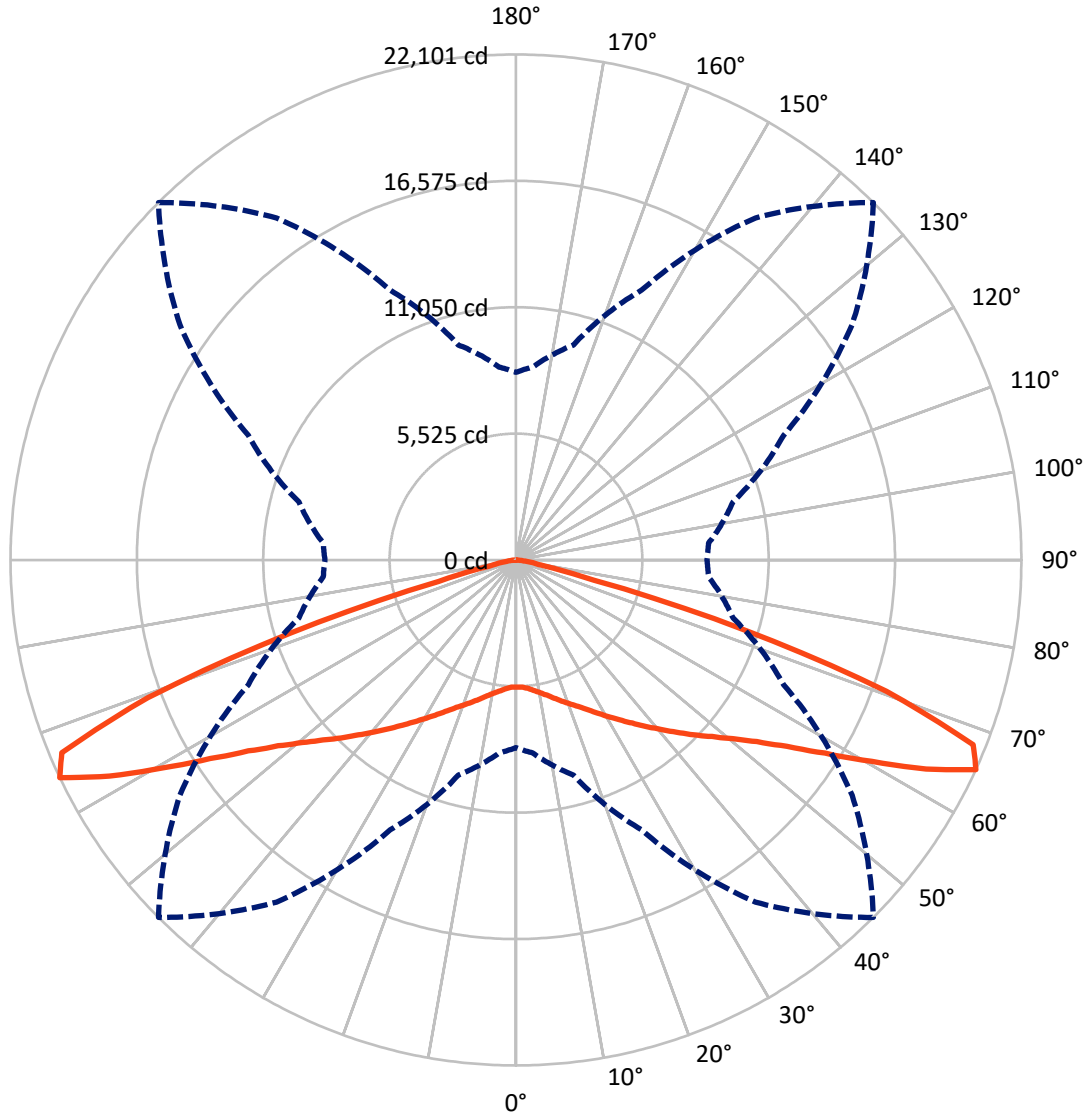
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P956759
CATALOG NUMBER: GALN-SB9B-827-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P956759

CATALOG NUMBER: GALN-SB9B-827-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23368.0	0.0	23368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23368.0	0.0	23368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46736.0	0.0	46736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.9	1.2
10°-20°	1791.2	3.8
20°-30°	3381.9	7.2
30°-40°	5537.8	11.8
40°-50°	8586.4	18.4
50°-60°	12683.9	27.1
60°-70°	12073.9	25.8
70°-80°	1948.3	4.2
80°-90°	183.7	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°	46736.0	100.0
0°-180°	46736.0	100.0

Coefficient of Utilization



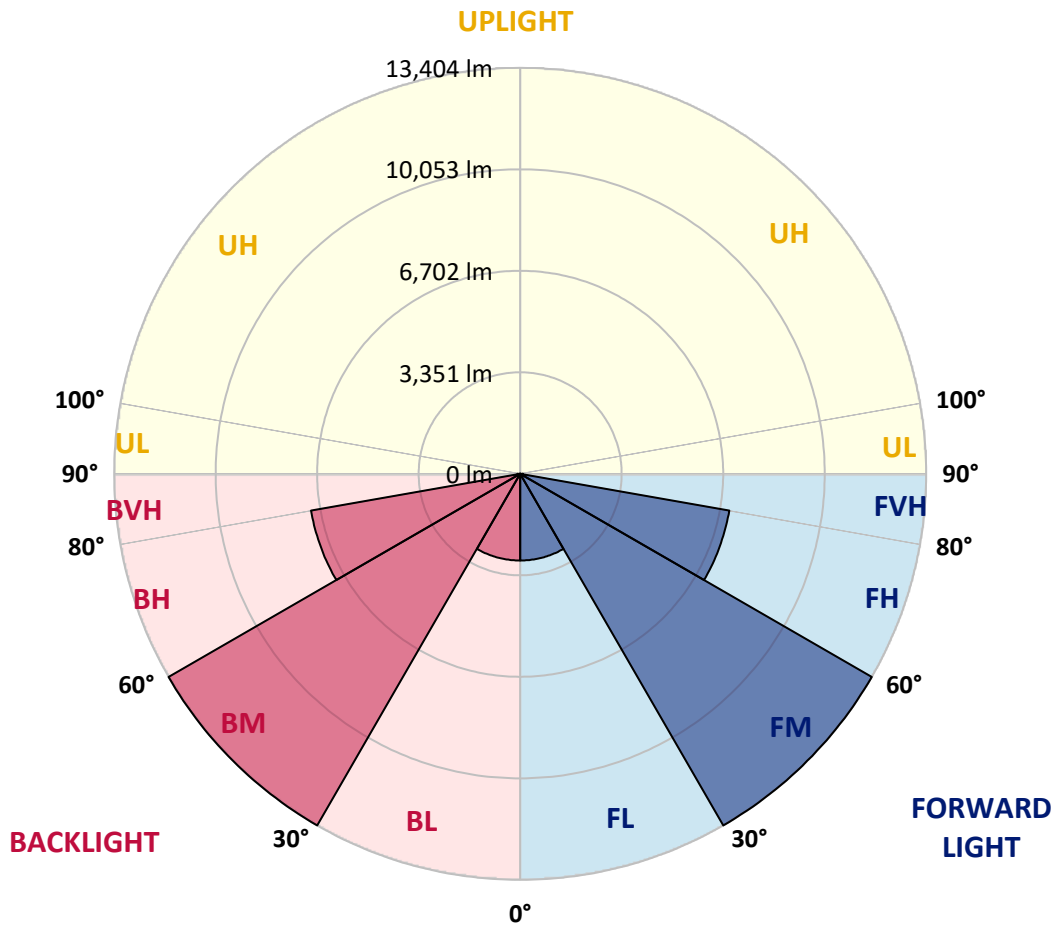
REPORT NUMBER: P956759
 CATALOG NUMBER: GALN-SB9B-827-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2861.0	6.1			
FM (30°-60°)	13404.1	28.7			
FH (60°-80°)	7011.1	15.0			G3/7500
FVH (80°-90°)	91.8	0.2			G1/100
BL (0°-30°)	2861.0	6.1	B4/5000		
BM (30°-60°)	13404.1	28.7	B5		
BH (60°-80°)	7011.1	15.0	B5		G3/7500
BVH (80°-90°)	91.8	0.2			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



REPORT NUMBER: P956759

CATALOG NUMBER: GALN-SB9B-827-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5562.1	5562.1	5562.1	5562.1	5562.1	5562.1	5562.1	5562.1	5562.1	5562.1
2.5°	5599.6	5580.8	5594.9	5583.2	5573.8	5564.4	5569.1	5585.5	5592.5	5594.9
5°	5674.6	5658.2	5665.2	5665.2	5648.8	5644.1	5646.5	5658.2	5672.3	5672.3
7.5°	5796.5	5780.1	5796.5	5787.2	5773.1	5768.4	5766.1	5775.4	5796.5	5796.5
10°	5944.3	5925.5	5934.9	5930.2	5913.8	5906.7	5904.4	5918.5	5937.2	5934.9
12.5°	6106.1	6085.0	6096.7	6082.6	6077.9	6070.9	6070.9	6068.5	6080.3	6070.9
15°	6286.6	6272.5	6277.2	6267.9	6274.9	6270.2	6251.4	6242.1	6246.8	6232.7
17.5°	6500.0	6467.2	6483.6	6478.9	6478.9	6488.3	6457.8	6446.1	6455.5	6441.4
20°	6746.2	6713.4	6720.4	6711.0	6699.3	6708.7	6671.2	6680.6	6687.6	6678.2
22.5°	7015.9	6973.7	6971.3	6976.0	6950.2	6952.6	6926.8	6950.2	6964.3	6938.5
25°	7292.6	7248.0	7278.5	7266.8	7233.9	7241.0	7222.2	7245.7	7257.4	7224.6
27.5°	7585.7	7555.2	7583.3	7590.4	7550.5	7578.6	7550.5	7571.6	7583.3	7534.1
30°	7928.0	7897.6	7923.3	7942.1	7895.2	7939.8	7916.3	7930.4	7932.7	7874.1
32.5°	8300.9	8254.0	8319.6	8329.0	8277.4	8331.4	8300.9	8319.6	8331.4	8251.6
35°	8755.8	8697.2	8772.2	8760.5	8715.9	8760.5	8732.3	8760.5	8788.6	8692.5
37.5°	9245.9	9184.9	9264.6	9243.5	9201.3	9231.8	9215.4	9234.1	9278.7	9175.5
40°	9785.2	9710.1	9818.0	9780.5	9740.6	9735.9	9745.3	9757.0	9815.7	9700.8
42.5°	10362.0	10282.3	10444.1	10385.5	10329.2	10291.7	10322.2	10345.6	10401.9	10272.9
45°	11020.9	10929.5	11140.5	11070.2	10981.1	10903.7	10952.9	10988.1	11070.2	10915.4
47.5°	11747.8	11644.7	11869.8	11848.7	11703.3	11534.5	11647.0	11747.8	11808.8	11621.2
50°	12458.3	12378.6	12674.1	12699.9	12521.7	12284.8	12441.9	12594.3	12610.8	12364.5
52.5°	13124.3	13044.6	13473.7	13635.5	13476.0	13194.6	13361.1	13515.9	13391.6	13072.7
55°	13656.6	13590.9	14137.3	14554.7	14608.6	14376.4	14474.9	14470.2	14062.2	13572.2
57.5°	13785.5	13776.2	14465.6	15349.6	15912.3	15940.5	15745.9	15248.7	14369.4	13710.5
60°	13199.3	13257.9	14205.3	15764.6	17265.3	17889.1	17047.3	15628.6	14020.0	13105.5
62.5°	11445.4	11600.1	12742.1	15258.1	18358.1	20130.8	18090.7	15051.8	12585.0	11391.4
65°	8202.4	8472.0	9733.6	13021.1	18259.6	22100.5	17940.7	12915.6	9827.4	8450.9
67.5°	3721.3	3995.7	5067.3	8915.2	15872.5	21565.8	15835.0	9009.0	5320.5	4009.7
70°	1348.3	1395.2	1739.9	3568.9	10143.9	17183.3	10577.7	3594.7	1850.1	1486.7
72.5°	816.0	823.1	895.7	1278.0	3524.4	10432.4	3674.4	1320.2	914.5	811.3
75°	518.2	513.5	637.8	780.8	1249.8	3519.7	1310.8	780.8	635.5	579.2
77.5°	372.8	384.6	457.3	583.9	787.9	1193.5	773.8	558.1	457.3	375.2
80°	279.0	286.1	333.0	454.9	553.4	743.3	492.4	412.7	344.7	234.5
82.5°	201.7	201.7	218.1	330.6	337.7	401.0	267.3	290.8	227.5	166.5
85°	119.6	117.2	136.0	197.0	175.9	147.7	121.9	178.2	143.0	103.2
87.5°	42.2	44.6	42.2	56.3	46.9	39.9	37.5	49.2	39.9	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5562.1
5594.9
5672.3
5789.5
5930.2
6075.6
6235.0
6453.1
6699.3
6964.3
7262.1
7571.6
7909.3
8305.6
8751.1
9238.8
9738.3
10340.9
10995.1
11684.5
12395.0
13082.1
13588.6
13668.3
12997.7
11321.1
8350.1
3951.1
1467.9
825.4
583.9
382.2
241.5
166.5
100.8
32.8
0.0

OF REPORT)