

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: P943623

Luminaire Tested: **GALN-SB8A-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26002 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

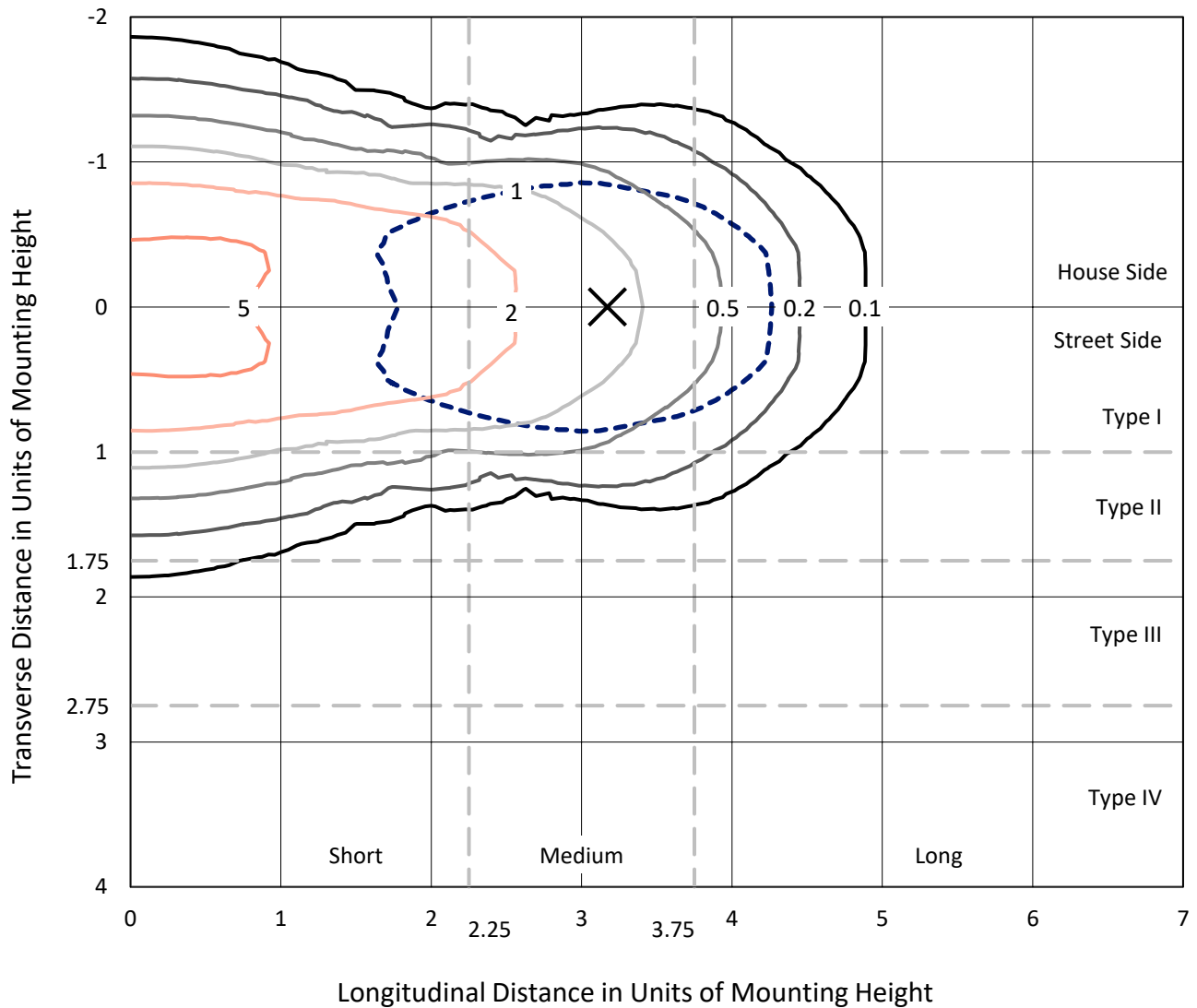
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943623
 CATALOG NUMBER: GALN-SB8A-940-U-T1

Iso-Footcandle Lines of Horizontal Illumination

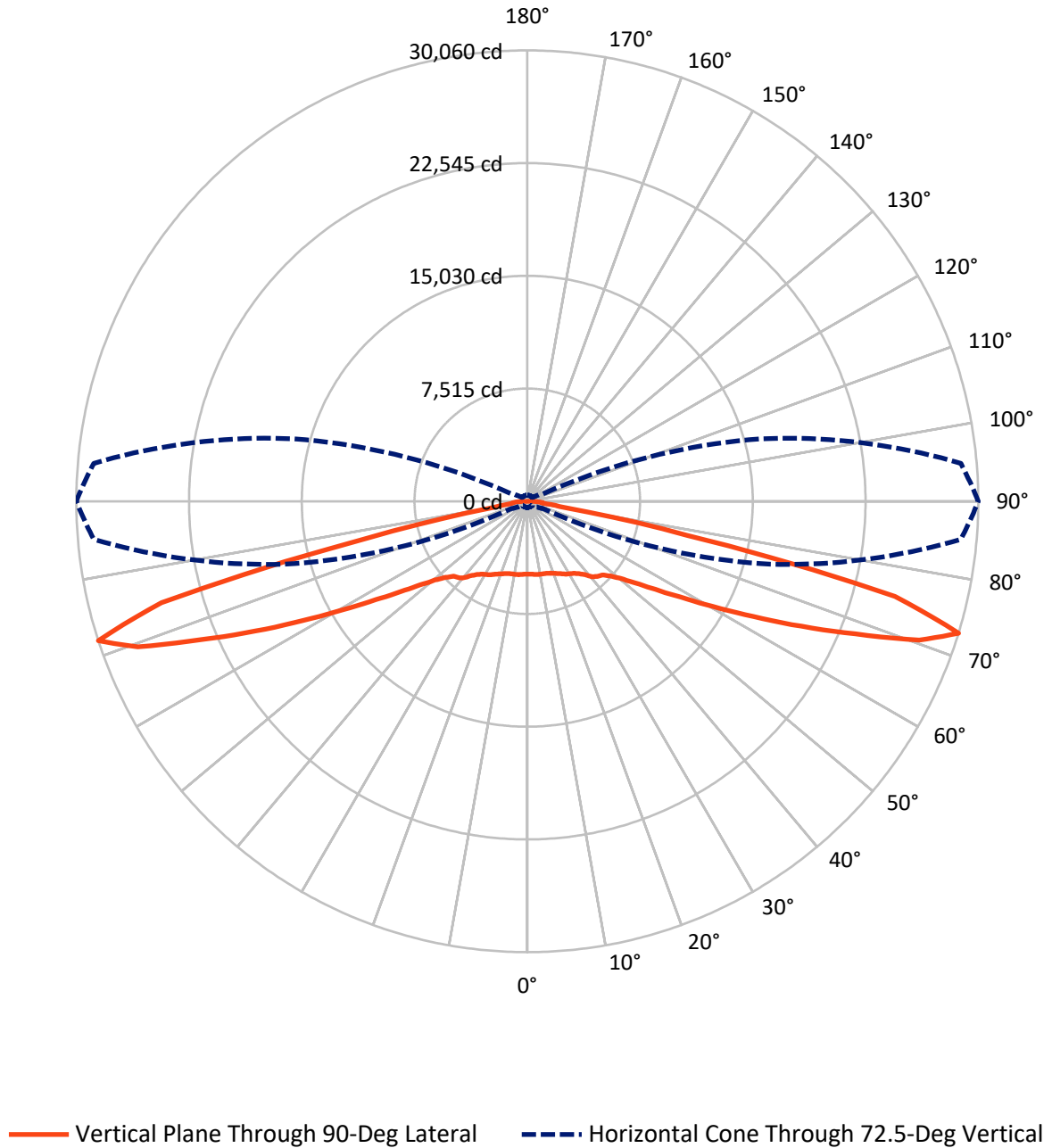
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type I - Short - N/A

REPORT NUMBER: P943623
CATALOG NUMBER: GALN-SB8A-940-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P943623

CATALOG NUMBER: GALN-SB8A-940-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13001.0	0.0	13001.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13001.0	0.0	13001.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26002.0	0.0	26002.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.1	1.8
10°-20°	1440.5	5.5
20°-30°	2401.9	9.2
30°-40°	3303.3	12.7
40°-50°	4034.3	15.5
50°-60°	4666.0	17.9
60°-70°	5563.5	21.4
70°-80°	3882.9	14.9
80°-90°	238.5	0.9
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°	26002.0	100.0
0°-180°	26002.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943623

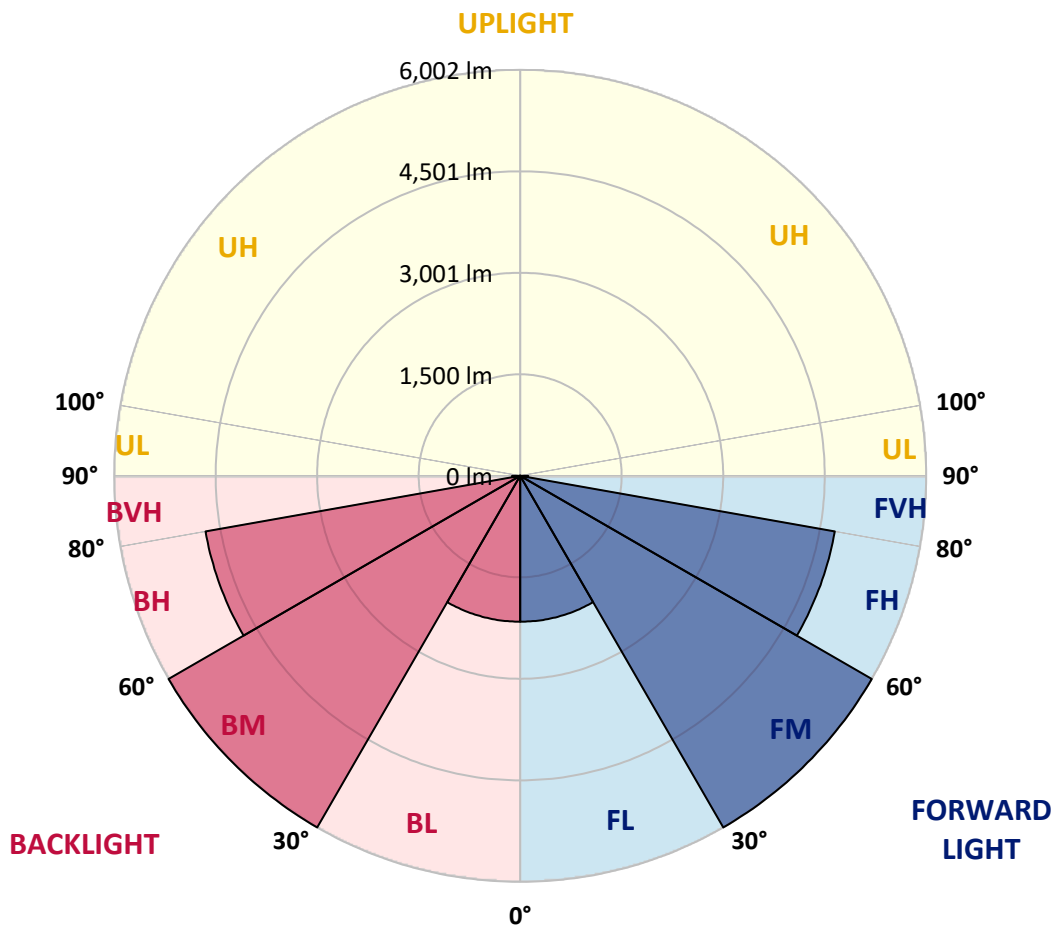
CATALOG NUMBER: GALN-SB8A-940-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2156.7	8.3			
FM (30°-60°)	6001.8	23.1			
FH (60°-80°)	4723.2	18.2			G2/5000
FVH (80°-90°)	119.2	0.5			G2/225
BL (0°-30°)	2156.7	8.3	B3/2500		
BM (30°-60°)	6001.8	23.1	B4/8500		
BH (60°-80°)	4723.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	119.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P943623

CATALOG NUMBER: GALN-SB8A-940-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4858.7	4858.7	4858.7	4858.7	4858.7	4858.7	4858.7	4858.7	4858.7	4858.7
2.5°	4862.9	4868.4	4868.4	4864.3	4873.9	4865.7	4865.7	4861.5	4865.7	4861.5
5°	4887.8	4894.7	4897.4	4896.1	4908.5	4901.6	4901.6	4896.1	4897.4	4893.3
7.5°	4934.8	4944.4	4950.0	4956.9	4974.8	4966.5	4961.0	4944.4	4937.5	4926.5
10°	4950.0	4961.0	4979.0	5014.9	5056.4	5057.7	5041.2	4999.7	4967.9	4943.0
12.5°	4903.0	4918.2	4955.5	5028.7	5121.3	5158.6	5132.4	5063.3	5001.1	4956.9
15°	4843.5	4860.1	4916.8	5027.3	5164.1	5251.2	5248.4	5157.2	5057.7	4988.6
17.5°	4751.0	4767.5	4849.1	5003.8	5197.3	5341.0	5379.7	5285.8	5146.2	5053.6
20°	4583.8	4599.0	4712.3	4929.2	5208.4	5436.4	5537.3	5454.3	5280.2	5154.5
22.5°	4366.8	4390.3	4522.9	4800.7	5182.1	5535.9	5716.9	5660.2	5436.4	5262.3
25°	4134.6	4159.5	4314.3	4643.2	5114.4	5607.7	5929.7	5893.8	5613.3	5396.3
27.5°	3934.3	3960.5	4129.1	4487.0	5009.4	5635.4	6139.8	6157.7	5827.5	5544.2
30°	3776.7	3801.6	3981.2	4361.3	4873.9	5607.7	6323.6	6447.9	6045.8	5672.7
32.5°	3604.0	3635.8	3825.1	4207.9	4713.6	5541.4	6483.9	6761.6	6298.7	5810.9
35°	3385.6	3414.7	3613.7	3997.8	4503.6	5435.0	6617.9	7109.9	6660.7	6020.9
37.5°	3120.3	3148.0	3345.6	3735.3	4294.9	5285.8	6720.2	7502.3	7091.9	6323.6
40°	2853.6	2879.9	3065.0	3442.3	4044.8	5095.1	6756.1	7886.5	7586.6	6739.5
42.5°	2609.0	2632.5	2802.5	3153.5	3764.3	4851.8	6709.1	8220.9	8030.2	7029.7
45°	2383.8	2404.5	2555.1	2882.6	3472.7	4556.1	6568.2	8580.2	8558.1	7237.0
47.5°	2126.7	2147.5	2303.6	2620.1	3181.1	4209.3	6329.1	8934.0	9291.9	7706.8
50°	1813.0	1831.0	1991.3	2317.4	2878.5	3840.3	5997.4	9211.7	10217.7	8418.5
52.5°	1441.3	1460.7	1616.8	1942.9	2519.2	3443.7	5560.8	9392.8	11287.3	9457.7
55°	1072.4	1086.2	1221.6	1514.6	2074.2	2991.8	5013.5	9443.9	12500.6	10878.3
57.5°	778.0	786.3	873.4	1091.7	1572.6	2426.6	4348.8	9311.2	13944.7	12699.6
60°	630.1	632.9	659.2	755.9	1093.1	1788.2	3545.9	8855.2	15511.8	15047.5
62.5°	572.1	572.1	579.0	605.3	739.3	1180.1	2574.5	7910.0	17192.2	18014.4
65°	532.0	532.0	534.8	547.2	583.2	751.8	1625.1	6370.5	18608.6	21489.9
67.5°	496.1	497.5	496.1	500.2	521.0	555.5	942.5	4400.0	19371.4	25091.1
70°	458.8	461.6	454.6	454.6	471.2	472.6	590.1	2412.8	18738.5	28109.2
72.5°	414.6	418.7	407.7	404.9	417.3	411.8	443.6	1158.0	16088.0	29010.2
75°	375.9	381.4	356.5	349.6	349.6	345.5	360.7	594.2	10441.6	23665.0
77.5°	341.3	352.4	312.3	290.2	284.7	272.2	294.3	363.4	4567.2	11110.4
80°	281.9	297.1	257.0	230.8	221.1	207.3	232.2	254.3	1358.4	2580.0
82.5°	210.0	217.0	182.4	164.4	156.2	146.5	174.1	176.9	442.2	913.4
85°	134.0	136.8	111.9	96.7	92.6	88.4	110.6	96.7	168.6	671.6
87.5°	47.0	53.9	42.8	38.7	41.5	34.5	51.1	29.0	47.0	474.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4858.7
4861.5
4893.3
4926.5
4938.9
4950.0
4977.6
5038.4
5131.0
5230.5
5352.1
5497.2
5605.0
5725.2
5925.6
6196.4
6604.1
6855.6
7002.1
7436.0
8078.6
9039.0
10354.6
12040.5
14217.0
16902.0
20083.1
23572.4
27709.8
30060.4
25312.2
10879.7
2470.8
1032.3
975.6
587.3
0.0

OF REPORT)