

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: P943793

Luminaire Tested: **GALN-SB8B-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943793
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-SB8B-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32641 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

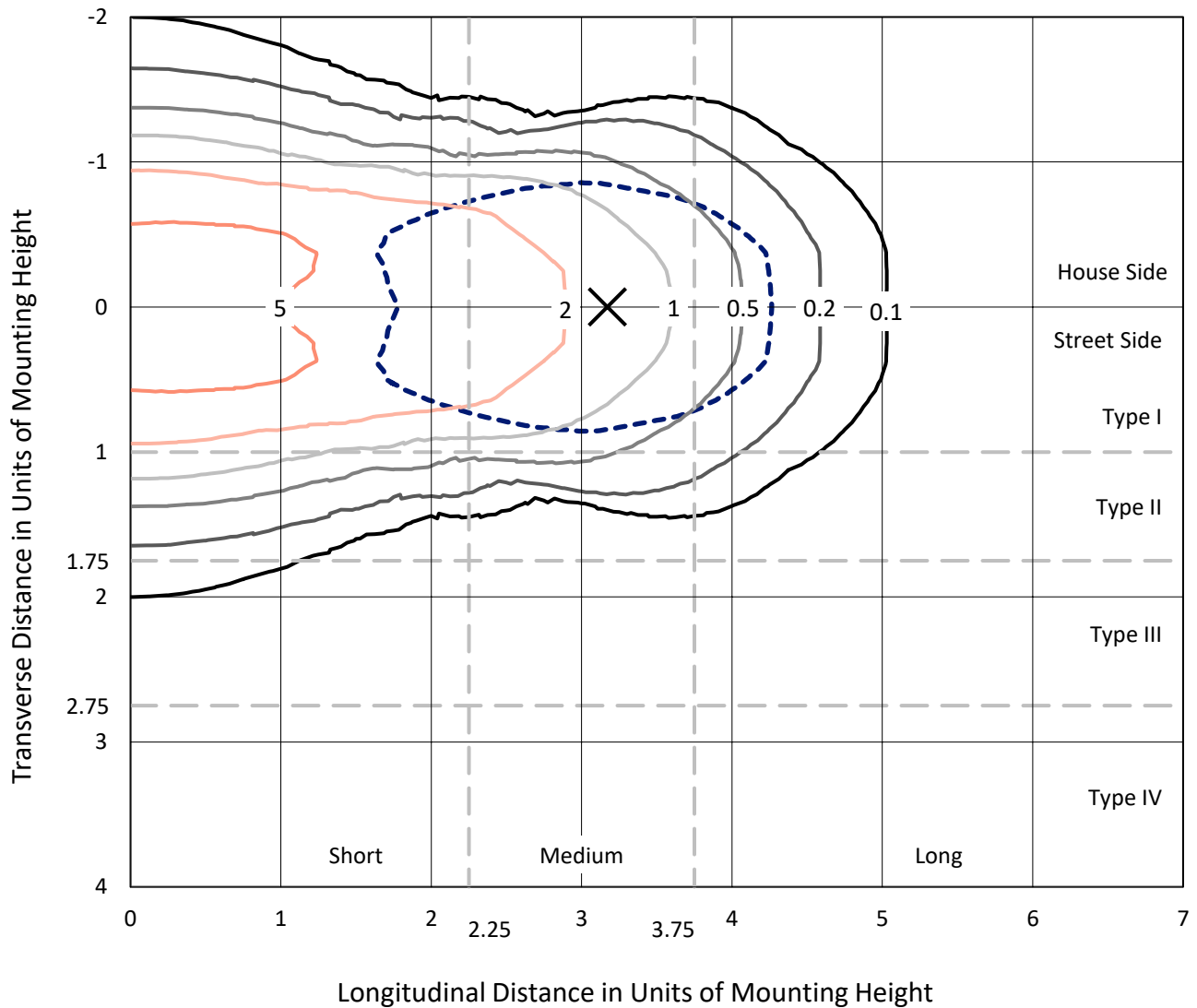
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943793
 CATALOG NUMBER: GALN-SB8B-940-U-T1

Iso-Footcandle Lines of Horizontal Illumination

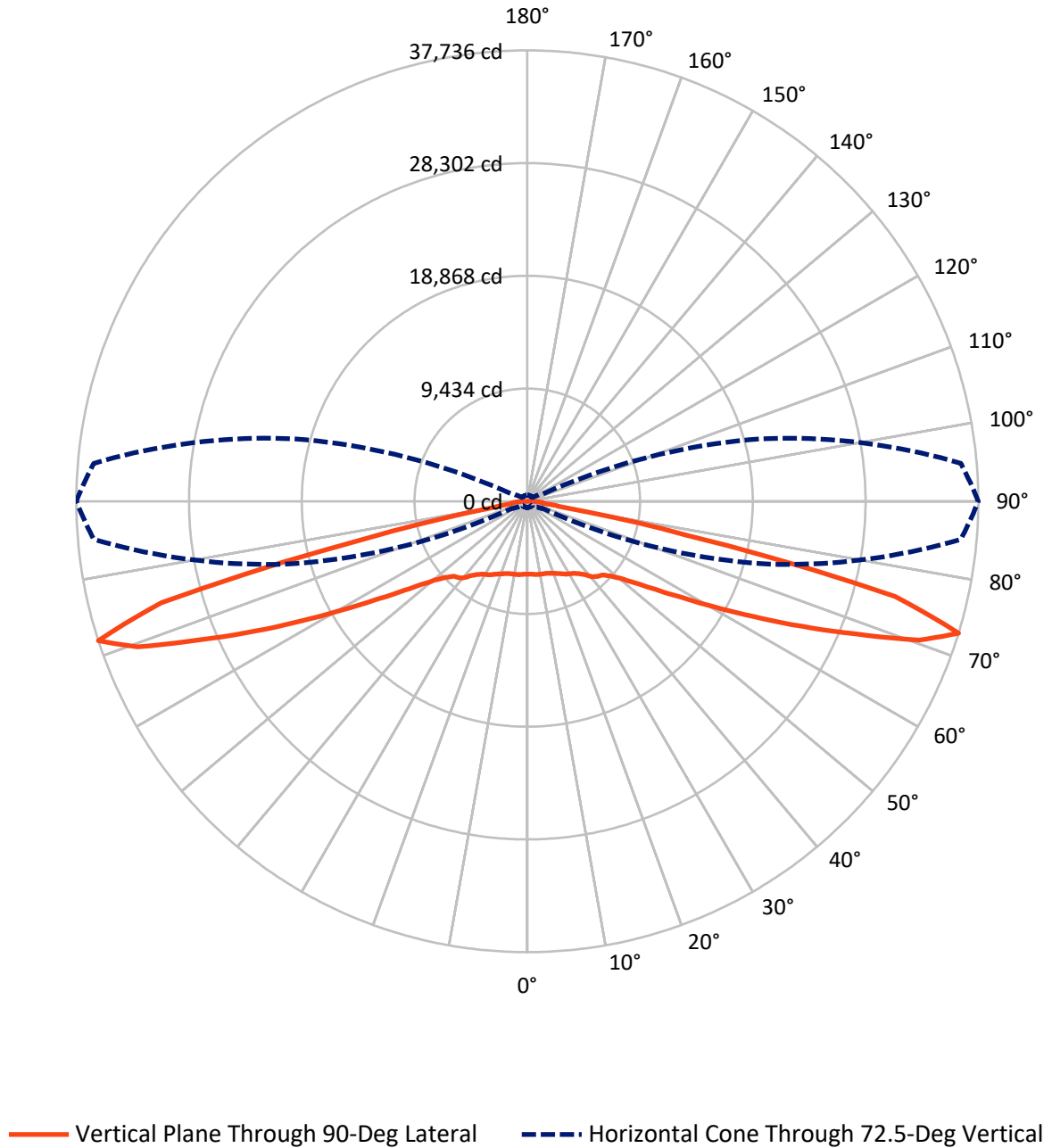
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type I - Short - N/A

REPORT NUMBER: P943793
CATALOG NUMBER: GALN-SB8B-940-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P943793

CATALOG NUMBER: GALN-SB8B-940-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16320.5	0.0	16320.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16320.5	0.0	16320.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32641.0	0.0	32641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.4	1.8
10°-20°	1808.3	5.5
20°-30°	3015.1	9.2
30°-40°	4146.7	12.7
40°-50°	5064.3	15.5
50°-60°	5857.4	17.9
60°-70°	6984.0	21.4
70°-80°	4874.4	14.9
80°-90°	299.4	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°	32641.0	100.0
0°-180°	32641.0	100.0

Coefficient of Utilization



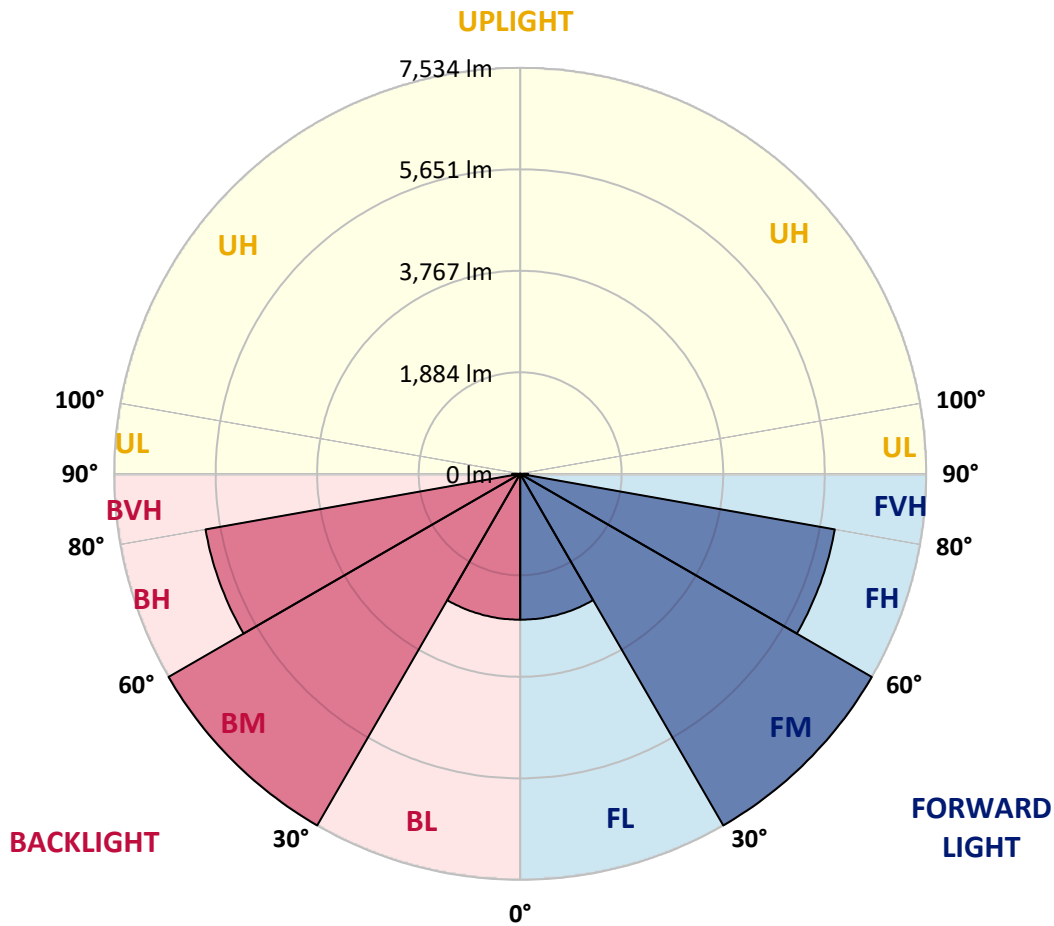
REPORT NUMBER: P943793
 CATALOG NUMBER: GALN-SB8B-940-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2707.4	8.3			
FM	(30°-60°)	7534.2	23.1			
FH	(60°-80°)	5929.2	18.2			G3/7500
FVH	(80°-90°)	149.7	0.5			G2/225
BL	(0°-30°)	2707.4	8.3	B4/5000		
BM	(30°-60°)	7534.2	23.1	B4/8500		
BH	(60°-80°)	5929.2	18.2	B5		G5
BVH	(80°-90°)	149.7	0.5			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 I Short



REPORT NUMBER: P943793

CATALOG NUMBER: GALN-SB8B-940-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6099.3	6099.3	6099.3	6099.3	6099.3	6099.3	6099.3	6099.3	6099.3	6099.3
2.5°	6104.5	6111.5	6111.5	6106.3	6118.4	6108.0	6108.0	6102.8	6108.0	6102.8
5°	6135.7	6144.4	6147.9	6146.2	6161.8	6153.1	6153.1	6146.2	6147.9	6142.7
7.5°	6194.7	6206.9	6213.8	6222.5	6245.0	6234.6	6227.7	6206.9	6198.2	6184.3
10°	6213.8	6227.7	6250.2	6295.3	6347.4	6349.1	6328.3	6276.3	6236.4	6205.1
12.5°	6154.8	6173.9	6220.7	6312.7	6428.9	6475.8	6442.8	6356.1	6278.0	6222.5
15°	6080.2	6101.1	6172.2	6311.0	6482.7	6592.0	6588.5	6474.0	6349.1	6262.4
17.5°	5964.0	5984.8	6087.2	6281.5	6524.3	6704.7	6753.3	6635.3	6460.1	6343.9
20°	5754.1	5773.2	5915.4	6187.8	6538.2	6824.4	6951.1	6847.0	6628.4	6470.5
22.5°	5481.8	5511.2	5677.8	6026.5	6505.2	6949.3	7176.6	7105.5	6824.4	6605.9
25°	5190.3	5221.5	5415.8	5828.7	6420.2	7039.5	7443.7	7398.6	7046.5	6774.1
27.5°	4938.8	4971.7	5183.4	5632.7	6288.4	7074.2	7707.4	7730.0	7315.4	6959.7
30°	4741.0	4772.2	4997.8	5474.8	6118.4	7039.5	7938.1	8094.3	7589.4	7121.1
32.5°	4524.2	4564.1	4801.7	5282.3	5917.2	6956.3	8139.4	8488.0	7906.9	7294.5
35°	4250.1	4286.5	4536.3	5018.6	5653.5	6822.7	8307.6	8925.2	8361.4	7558.2
37.5°	3917.0	3951.7	4199.8	4689.0	5391.5	6635.3	8436.0	9417.9	8902.6	7938.1
40°	3582.2	3615.2	3847.6	4321.2	5077.6	6396.0	8481.1	9900.1	9523.7	8460.3
42.5°	3275.2	3304.7	3518.0	3958.7	4725.4	6090.6	8422.1	10319.9	10080.5	8824.6
45°	2992.4	3018.4	3207.5	3618.6	4359.4	5719.4	8245.2	10770.9	10743.2	9084.8
47.5°	2669.8	2695.8	2891.8	3289.1	3993.4	5284.0	7945.1	11215.0	11664.3	9674.6
50°	2276.0	2298.5	2499.7	2909.1	3613.4	4820.8	7528.7	11563.7	12826.6	10568.0
52.5°	1809.3	1833.6	2029.6	2439.0	3162.4	4323.0	6980.6	11791.0	14169.3	11872.5
55°	1346.2	1363.5	1533.5	1901.3	2603.8	3755.7	6293.6	11855.2	15692.4	13655.8
57.5°	976.7	987.1	1096.4	1370.4	1974.1	3046.2	5459.2	11688.6	17505.2	15942.2
60°	791.0	794.5	827.5	948.9	1372.2	2244.7	4451.3	11116.2	19472.4	18889.5
62.5°	718.2	718.2	726.9	759.8	928.1	1481.5	3231.8	9929.6	21581.8	22614.0
65°	667.9	667.9	671.3	687.0	732.1	943.7	2040.0	7997.1	23359.9	26976.8
67.5°	622.8	624.5	622.8	628.0	654.0	697.4	1183.1	5523.4	24317.5	31497.5
70°	575.9	579.4	570.7	570.7	591.5	593.3	740.7	3028.8	23523.0	35286.2
72.5°	520.4	525.6	511.7	508.3	523.9	516.9	556.8	1453.7	20195.7	36417.2
75°	471.8	478.8	447.6	438.9	438.9	433.7	452.8	745.9	13107.6	29707.3
77.5°	428.5	442.4	392.0	364.3	357.4	341.7	369.5	456.2	5733.3	13947.2
80°	353.9	373.0	322.7	289.7	277.6	260.2	291.4	319.2	1705.2	3238.7
82.5°	263.7	272.4	229.0	206.4	196.0	183.9	218.6	222.0	555.1	1146.7
85°	168.3	171.7	140.5	121.4	116.2	111.0	138.8	121.4	211.6	843.1
87.5°	59.0	67.7	53.8	48.6	52.0	43.4	64.2	36.4	59.0	595.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6099.3
6102.8
6142.7
6184.3
6199.9
6213.8
6248.5
6324.8
6441.1
6566.0
6718.6
6900.8
7036.1
7187.0
7438.5
7778.5
8290.3
8606.0
8789.9
9334.6
10141.2
11346.9
12998.3
15114.7
17846.9
21217.5
25210.9
29591.0
34784.8
37735.6
31775.1
13657.5
3101.7
1295.8
1224.7
737.3
0.0

OF REPORT)