

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: P944153

Luminaire Tested: **GALN-SB9A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944153
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-SB9A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33390 lumens
Efficiency: N/A
Efficacy: 130.7 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): 255.5
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



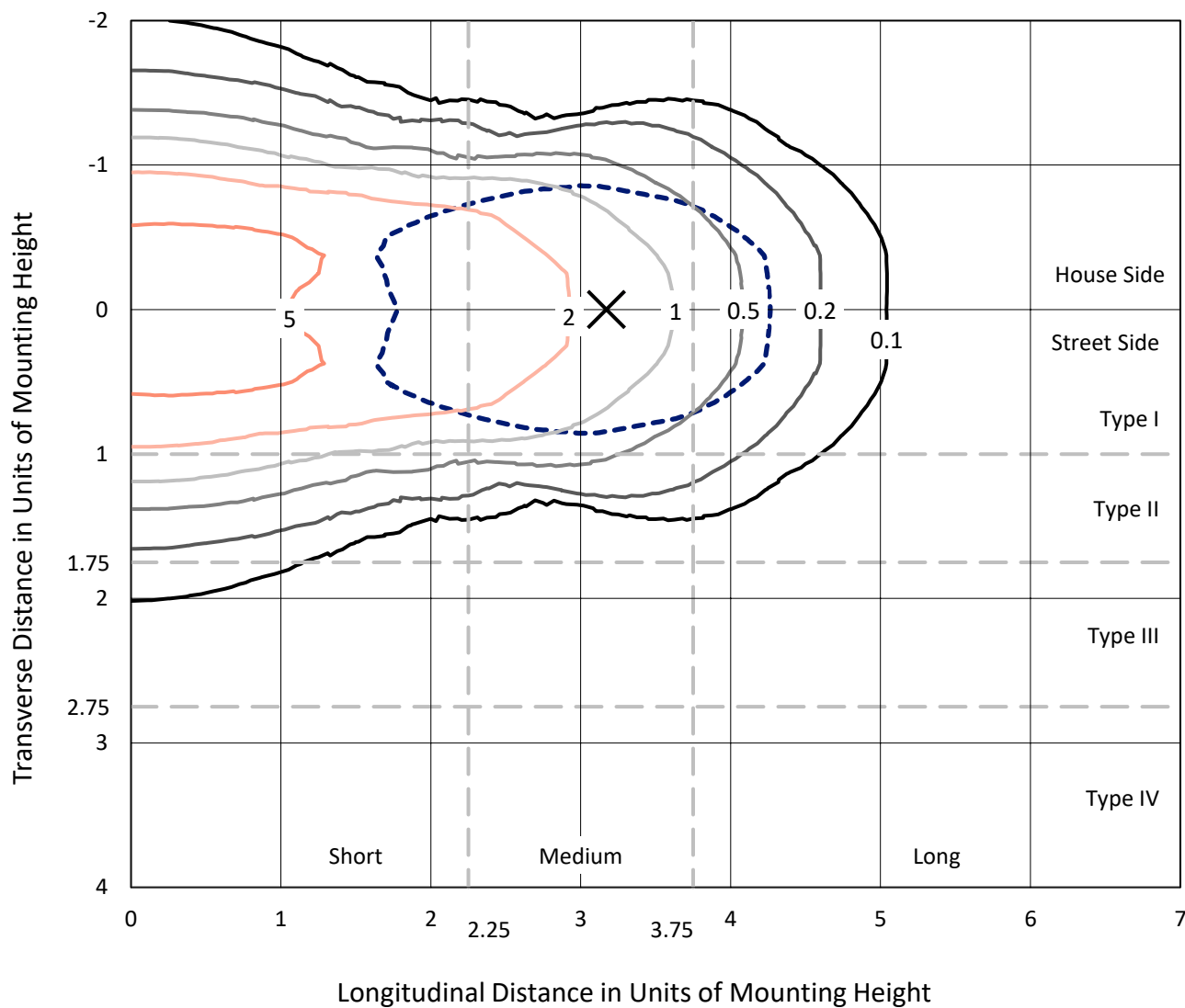
REPORT NUMBER: P944153

CATALOG NUMBER: GALN-SB9A-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

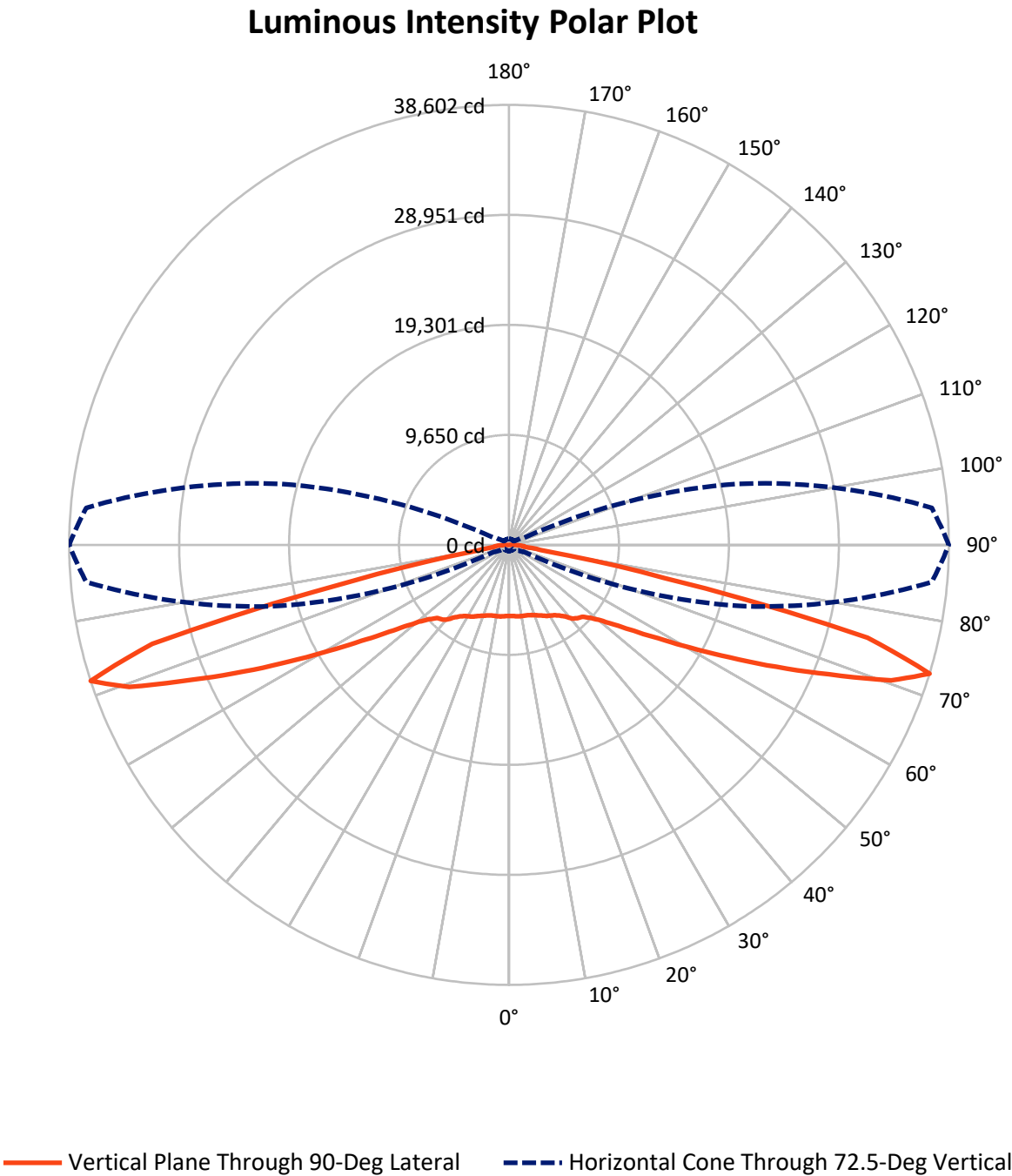
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type I - Short - N/A

REPORT NUMBER: P944153
CATALOG NUMBER: GALN-SB9A-722-U-T1



REPORT NUMBER: P944153

CATALOG NUMBER: GALN-SB9A-722-U-T1

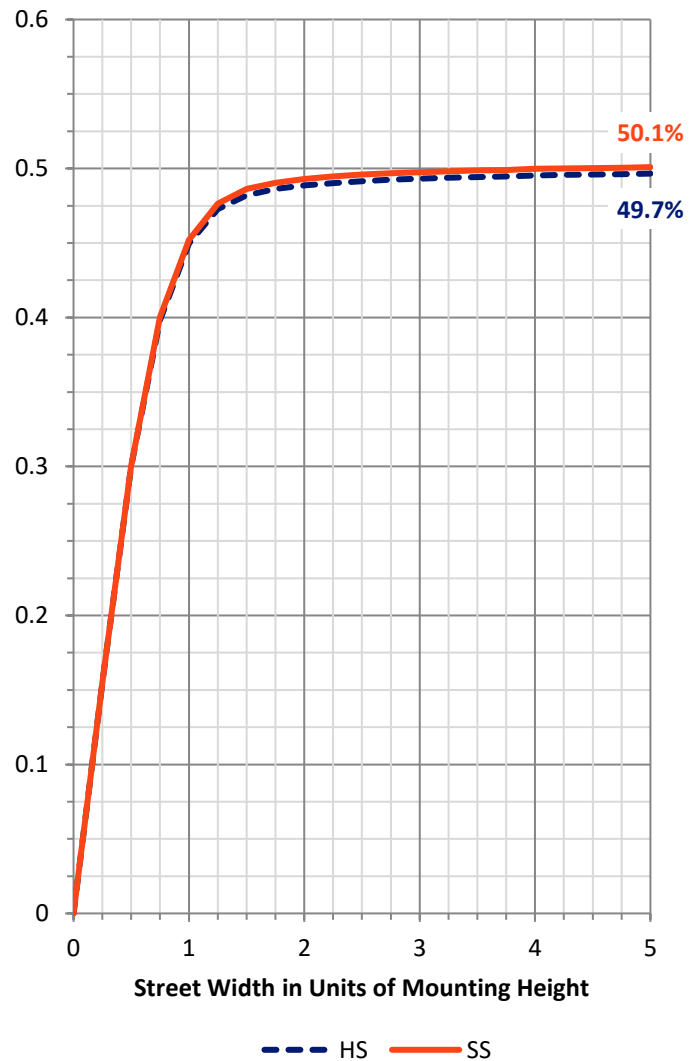
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16695.0	0.0	16695.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16695.0	0.0	16695.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33390.0	0.0	33390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.0	1.8
10°-20°	1849.8	5.5
20°-30°	3084.3	9.2
30°-40°	4241.9	12.7
40°-50°	5180.5	15.5
50°-60°	5991.8	17.9
60°-70°	7144.3	21.4
70°-80°	4986.2	14.9
80°-90°	306.3	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°	33390.0	100.0
0°-180°	33390.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944153

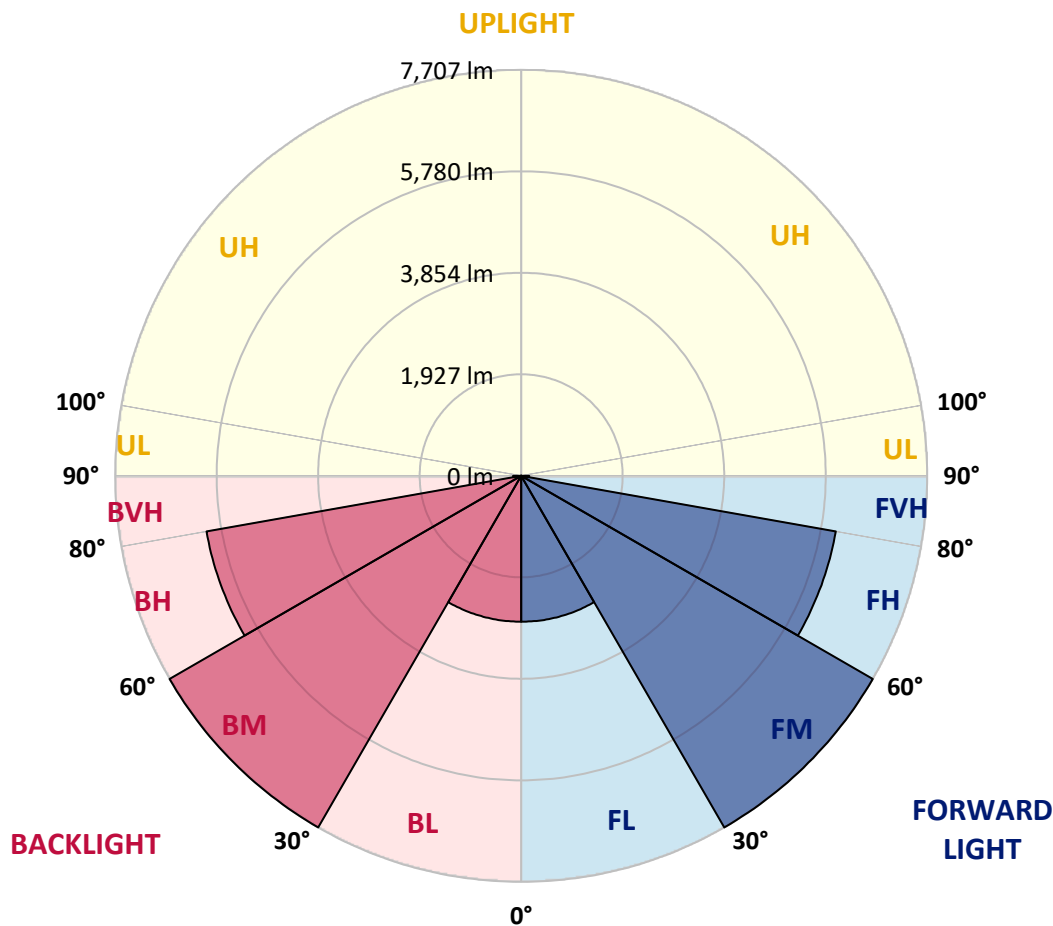
CATALOG NUMBER: GALN-SB9A-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2769.5	8.3			
FM	(30°-60°)	7707.1	23.1			
FH	(60°-80°)	6065.2	18.2			G3/7500
FVH	(80°-90°)	153.1	0.5			G2/225
BL	(0°-30°)	2769.5	8.3	B4/5000		
BM	(30°-60°)	7707.1	23.1	B4/8500		
BH	(60°-80°)	6065.2	18.2	B5		G5
BVH	(80°-90°)	153.1	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: P944153

CATALOG NUMBER: GALN-SB9A-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3	6239.3
2.5°	6244.6	6251.7	6251.7	6246.4	6258.8	6248.1	6248.1	6242.8	6248.1	6242.8	6242.8
5°	6276.5	6285.4	6289.0	6287.2	6303.2	6294.3	6294.3	6287.2	6289.0	6283.6	6283.6
7.5°	6336.9	6349.3	6356.4	6365.3	6388.3	6377.7	6370.6	6349.3	6340.4	6326.2	6326.2
10°	6356.4	6370.6	6393.7	6439.8	6493.0	6494.8	6473.5	6420.3	6379.5	6347.5	6342.2
12.5°	6296.1	6315.6	6363.5	6457.5	6576.4	6624.3	6590.6	6501.9	6422.1	6365.3	6356.4
15°	6219.8	6241.0	6313.8	6455.8	6631.4	6743.2	6739.7	6622.6	6494.8	6406.1	6391.9
17.5°	6100.9	6122.2	6226.9	6425.6	6674.0	6858.6	6908.3	6787.6	6608.4	6489.5	6470.0
20°	5886.1	5905.7	6051.2	6329.8	6688.2	6981.0	7110.6	7004.1	6780.5	6619.0	6588.9
22.5°	5607.5	5637.7	5808.1	6164.7	6654.5	7108.8	7341.3	7268.5	6981.0	6757.4	6716.6
25°	5309.4	5341.4	5540.1	5962.4	6567.6	7201.1	7614.5	7568.4	7208.2	6929.6	6872.8
27.5°	5052.1	5085.8	5302.3	5761.9	6432.7	7236.6	7884.3	7907.3	7483.2	7119.4	7059.1
30°	4849.8	4881.8	5112.4	5600.4	6258.8	7201.1	8120.3	8280.0	7763.6	7284.5	7197.5
32.5°	4628.0	4668.8	4911.9	5403.5	6052.9	7115.9	8326.1	8682.8	8088.3	7461.9	7351.9
35°	4347.6	4384.9	4640.4	5133.7	5783.2	6979.3	8498.3	9130.0	8553.3	7731.7	7609.2
37.5°	4006.9	4042.4	4296.2	4796.6	5515.3	6787.6	8629.6	9634.0	9106.9	8120.3	7957.0
40°	3664.4	3698.1	3935.9	4420.4	5194.1	6542.7	8675.7	10127.3	9742.2	8654.4	8480.5
42.5°	3350.3	3380.5	3598.8	4049.5	4833.8	6230.4	8615.4	10556.7	10311.8	9027.1	8803.5
45°	3061.1	3087.7	3281.1	3701.7	4459.4	5850.7	8434.4	11018.1	10989.7	9293.3	8991.6
47.5°	2731.0	2757.6	2958.2	3364.5	4085.0	5405.2	8127.4	11472.4	11932.0	9896.6	9548.8
50°	2328.2	2351.3	2557.1	2975.9	3696.4	4931.4	7701.5	11829.1	13120.9	10810.5	10373.9
52.5°	1850.8	1875.7	2076.2	2495.0	3235.0	4422.1	7140.7	12061.5	14494.4	12144.9	11607.3
55°	1377.0	1394.8	1568.7	1944.9	2663.6	3841.9	6438.0	12127.2	16052.5	13969.2	13296.6
57.5°	999.1	1009.7	1121.5	1401.9	2019.4	3116.1	5584.5	11956.8	17906.9	16308.0	15461.5
60°	809.2	812.7	846.5	970.7	1403.7	2296.3	4553.5	11371.2	19919.2	19322.9	18256.4
62.5°	734.7	734.7	743.5	777.2	949.4	1515.5	3306.0	10157.5	22077.0	23132.9	21704.4
65°	683.2	683.2	686.7	702.7	748.9	965.3	2086.9	8180.6	23895.9	27595.8	25789.4
67.5°	637.1	638.8	637.1	642.4	669.0	713.4	1210.2	5650.1	24875.5	32220.3	30270.1
70°	589.1	592.7	583.8	583.8	605.1	606.9	757.7	3098.3	24062.7	36095.9	35583.0
72.5°	532.4	537.7	523.5	519.9	535.9	528.8	569.6	1487.1	20659.2	37252.9	38601.5
75°	482.7	489.8	457.8	449.0	449.0	443.6	463.2	763.1	13408.4	30389.0	32504.2
77.5°	438.3	452.5	401.0	372.7	365.6	349.6	378.0	466.7	5864.8	14267.3	13970.9
80°	362.0	381.5	330.1	296.3	283.9	266.2	298.1	326.5	1744.4	3313.1	3172.9
82.5°	269.7	278.6	234.2	211.2	200.5	188.1	223.6	227.1	567.9	1173.0	1325.6
85°	172.1	175.7	143.7	124.2	118.9	113.6	142.0	124.2	216.5	862.4	1252.8
87.5°	60.3	69.2	55.0	49.7	53.2	44.4	65.7	37.3	60.3	608.7	754.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)