

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: P943313

Luminaire Tested: **GALN-SB7D-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943313
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-SB7D-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66404 lumens
Efficiency: N/A
Efficacy: 129.5 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): 512.8
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



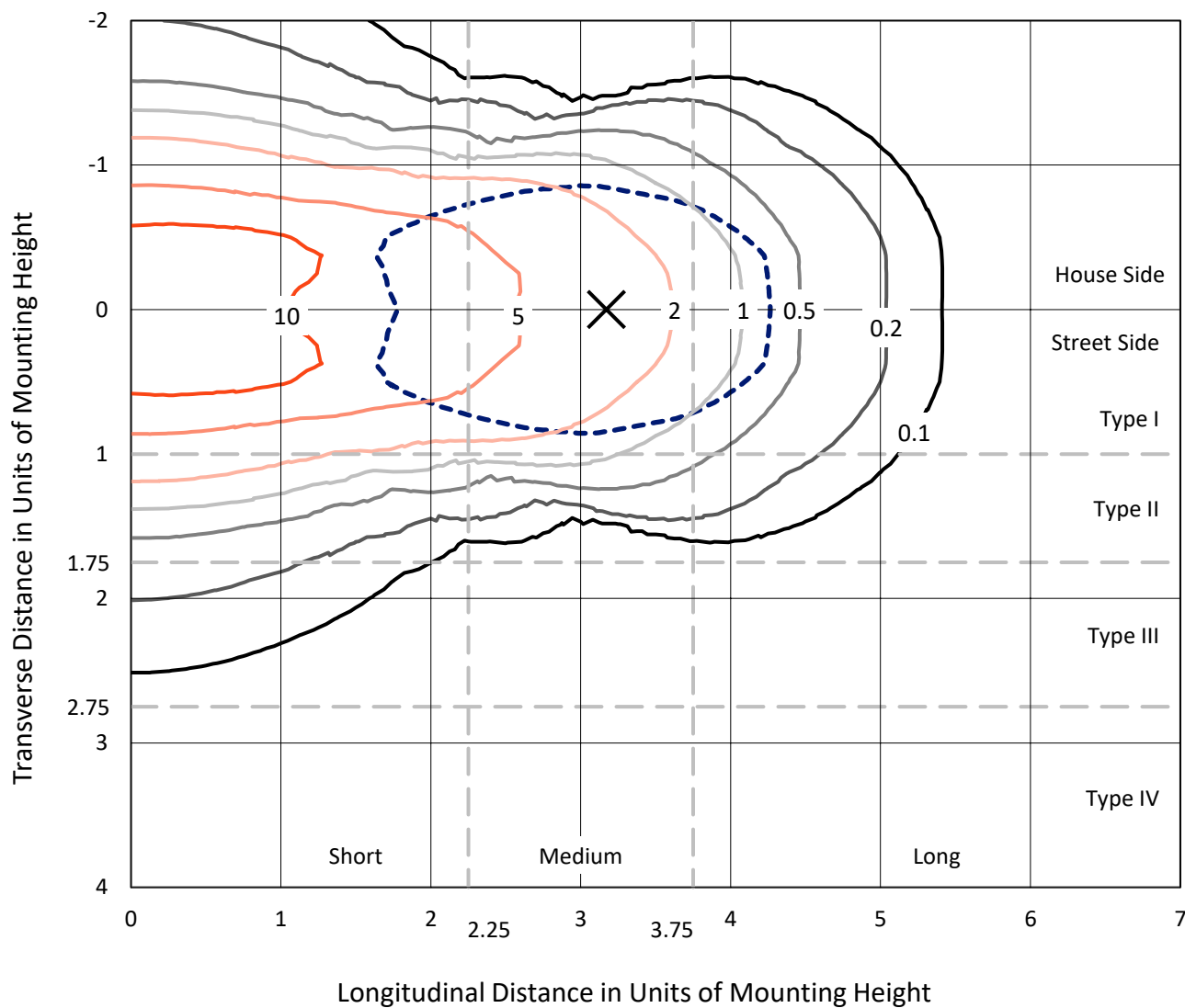
REPORT NUMBER: P943313

CATALOG NUMBER: GALN-SB7D-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

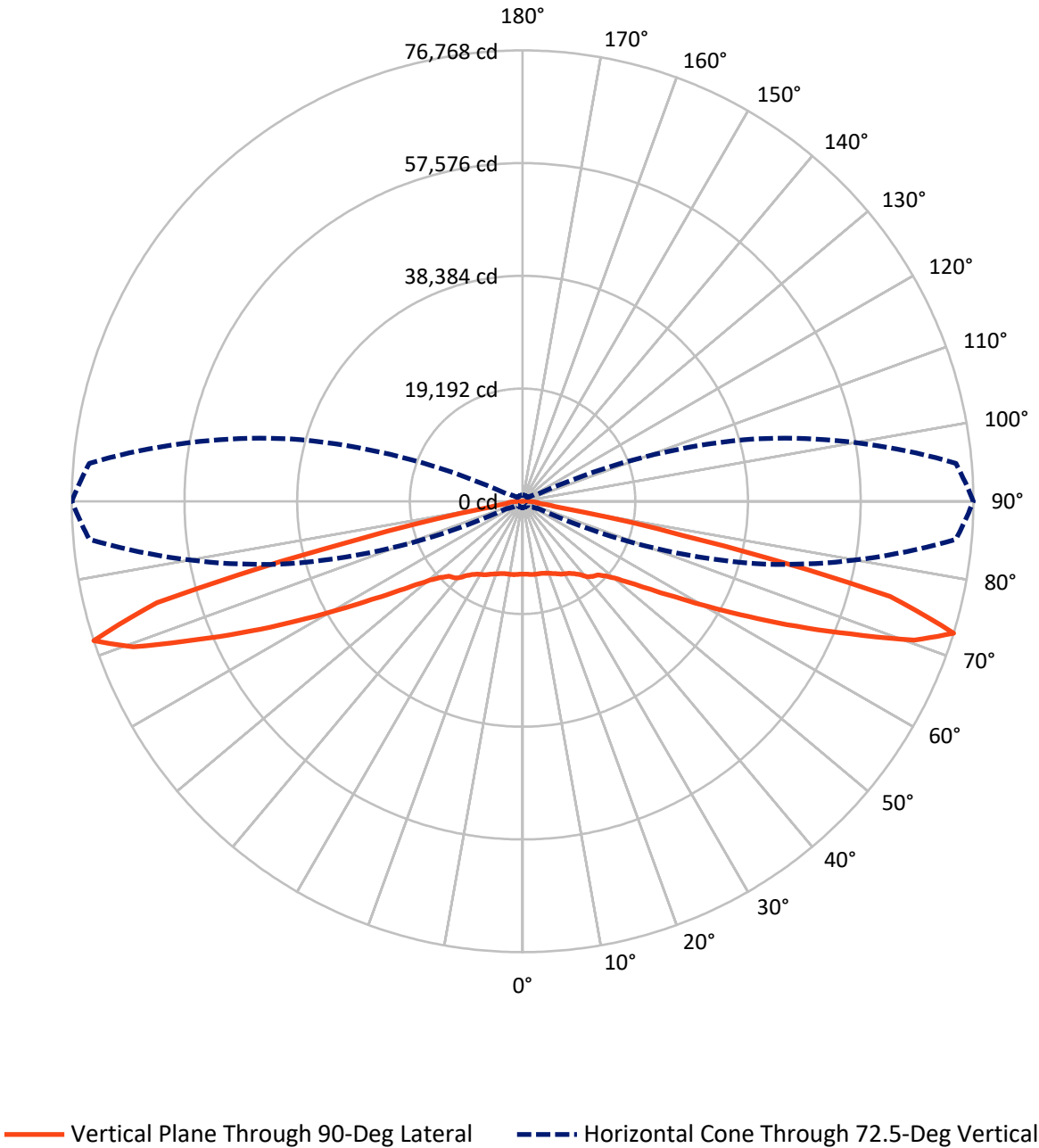
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
Type I - Short - N/A

REPORT NUMBER: P943313
CATALOG NUMBER: GALN-SB7D-727-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P943313

CATALOG NUMBER: GALN-SB7D-727-U-T1

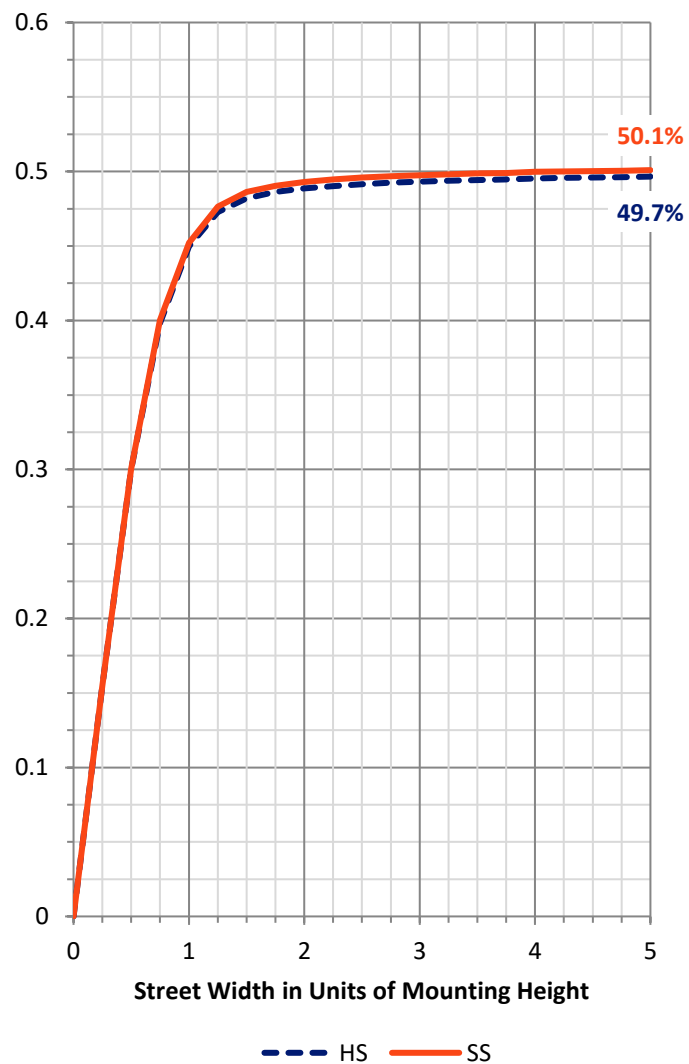
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33202.0	0.0	33202.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33202.0	0.0	33202.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66404.0	0.0	66404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1203.1	1.8
10°-20°	3678.7	5.5
20°-30°	6133.9	9.2
30°-40°	8436.0	12.7
40°-50°	10302.7	15.5
50°-60°	11916.2	17.9
60°-70°	14208.0	21.4
70°-80°	9916.3	14.9
80°-90°	609.1	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°	66404.0	100.0
0°-180°	66404.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943313

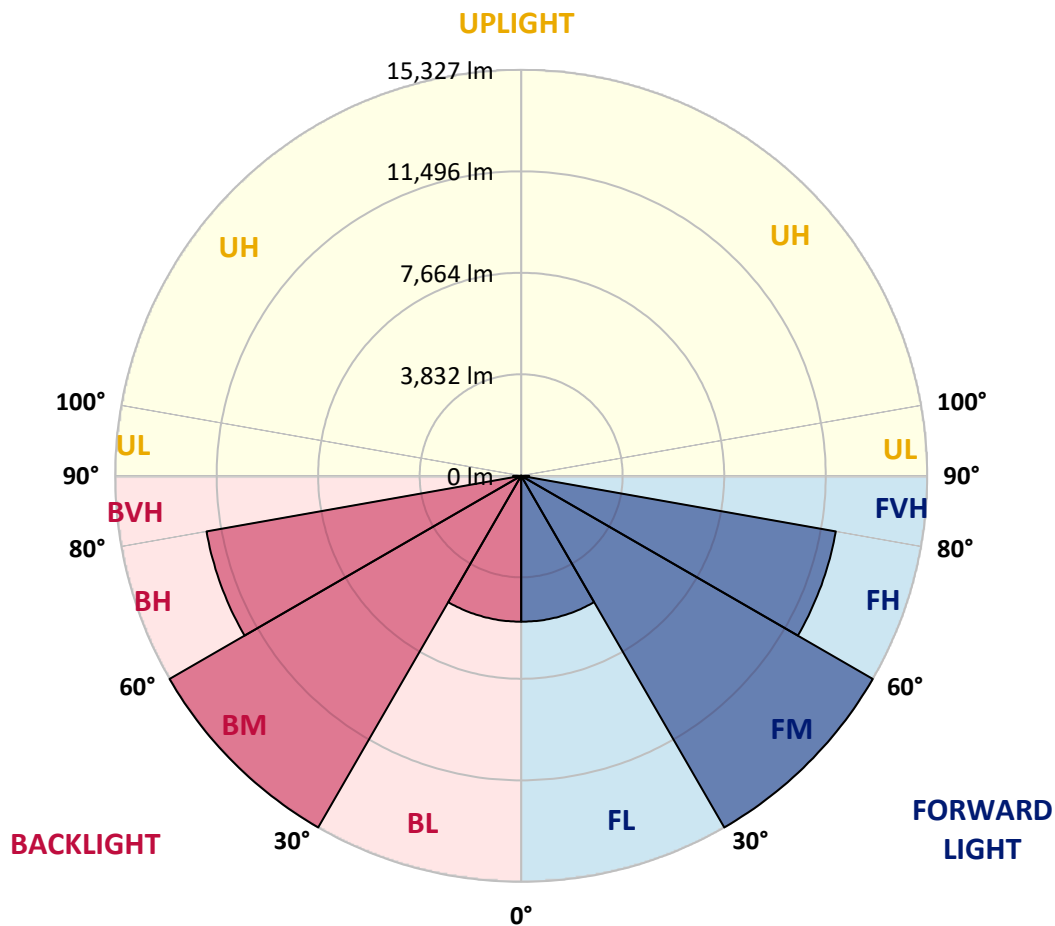
CATALOG NUMBER: GALN-SB7D-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5507.9	8.3			
FM	(30°-60°)	15327.4	23.1			
FH	(60°-80°)	12062.2	18.2			G5
FVH	(80°-90°)	304.5	0.5			G3/500
BL	(0°-30°)	5507.9	8.3	B5		
BM	(30°-60°)	15327.4	23.1	B5		
BH	(60°-80°)	12062.2	18.2	B5		G5
BVH	(80°-90°)	304.5	0.5			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 I Short



REPORT NUMBER: P943313

CATALOG NUMBER: GALN-SB7D-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3	12408.3
2.5°	12418.9	12433.0	12433.0	12422.4	12447.1	12425.9	12425.9	12415.3	12425.9	12415.3	12415.3
5°	12482.4	12500.0	12507.1	12503.6	12535.3	12517.7	12517.7	12503.6	12507.1	12496.5	12496.5
7.5°	12602.4	12627.1	12641.2	12658.9	12704.7	12683.6	12669.4	12627.1	12609.4	12581.2	12581.2
10°	12641.2	12669.4	12715.3	12807.1	12912.9	12916.5	12874.1	12768.3	12687.1	12623.6	12613.0
12.5°	12521.2	12560.0	12655.3	12842.4	13078.8	13174.1	13107.0	12930.6	12771.8	12658.9	12641.2
15°	12369.5	12411.8	12556.5	12838.8	13188.2	13410.6	13403.5	13170.6	12916.5	12740.0	12711.8
17.5°	12133.0	12175.4	12383.6	12778.8	13272.9	13639.9	13738.8	13498.8	13142.3	12905.9	12867.1
20°	11706.0	11744.8	12034.2	12588.3	13301.1	13883.4	14141.1	13929.3	13484.7	13163.5	13103.5
22.5°	11151.9	11211.9	11550.7	12260.1	13234.1	14137.5	14599.9	14455.2	13883.4	13438.8	13357.6
25°	10559.0	10622.6	11017.8	11857.7	13061.2	14321.1	15143.3	15051.6	14335.2	13781.1	13668.2
27.5°	10047.3	10114.4	10544.9	11459.0	12793.0	14391.6	15679.8	15725.6	14882.2	14158.7	14038.7
30°	9645.0	9708.5	10167.3	11137.8	12447.1	14321.1	16149.1	16466.7	15439.8	14486.9	14314.0
32.5°	9203.9	9285.0	9768.5	10746.1	12037.7	14151.7	16558.5	17267.8	16085.6	14839.8	14621.0
35°	8646.3	8720.4	9228.6	10209.7	11501.3	13879.9	16900.8	18157.2	17010.2	15376.3	15132.7
37.5°	7968.7	8039.3	8543.9	9539.1	10968.4	13498.8	17162.0	19159.4	18111.3	16149.1	15824.4
40°	7287.6	7354.6	7827.5	8791.0	10329.7	13011.8	17253.7	20140.5	19374.7	17211.4	16865.5
42.5°	6662.9	6722.9	7157.0	8053.4	9613.2	12390.6	17133.7	20994.6	20507.6	17952.5	17507.8
45°	6087.7	6140.6	6525.3	7361.7	8868.6	11635.4	16773.8	21912.1	21855.7	18481.9	17881.9
47.5°	5431.3	5484.2	5883.0	6691.2	8124.0	10749.6	16163.2	22815.6	23729.6	19681.7	18990.0
50°	4630.2	4676.0	5085.4	5918.3	7351.1	9807.3	15316.3	23524.9	26094.1	21499.2	20631.1
52.5°	3680.8	3730.3	4129.0	4961.9	6433.5	8794.5	14201.1	23987.2	28825.6	24153.1	23083.8
55°	2738.6	2773.9	3119.7	3867.9	5297.2	7640.5	12803.5	24117.8	31924.2	27781.0	26443.5
57.5°	1986.9	2008.1	2230.4	2788.0	4016.1	6197.1	11106.1	23779.0	35612.1	32432.4	30749.0
60°	1609.3	1616.3	1683.4	1930.4	2791.5	4566.6	9055.7	22614.4	39614.1	38428.3	36307.3
62.5°	1461.0	1461.0	1478.7	1545.7	1888.1	3013.8	6574.7	20200.5	43905.4	46005.2	43164.3
65°	1358.7	1358.7	1365.8	1397.5	1489.3	1919.8	4150.2	16269.1	47522.8	54880.9	51288.3
67.5°	1266.9	1270.5	1266.9	1277.5	1330.5	1418.7	2406.8	11236.6	49470.8	64077.7	60199.3
70°	1171.7	1178.7	1161.1	1161.1	1203.4	1206.9	1506.9	6161.8	47854.5	71785.3	70765.4
72.5°	1058.7	1069.3	1041.1	1034.0	1065.8	1051.7	1132.8	2957.4	41085.7	74086.2	76768.3
75°	959.9	974.0	910.5	892.9	892.9	882.3	921.1	1517.5	26665.8	60435.7	64642.4
77.5°	871.7	899.9	797.6	741.1	727.0	695.2	751.7	928.2	11663.6	28373.9	27784.5
80°	719.9	758.8	656.4	589.4	564.7	529.4	592.9	649.4	3469.1	6588.8	6310.0
82.5°	536.4	554.1	465.8	420.0	398.8	374.1	444.7	451.7	1129.3	2332.7	2636.2
85°	342.3	349.4	285.9	247.0	236.4	225.9	282.3	247.0	430.5	1715.1	2491.5
87.5°	120.0	137.6	109.4	98.8	105.9	88.2	130.6	74.1	120.0	1210.5	1499.9
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)