

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: P956993

Luminaire Tested: **GALN-SB9C-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65153 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 449.8
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



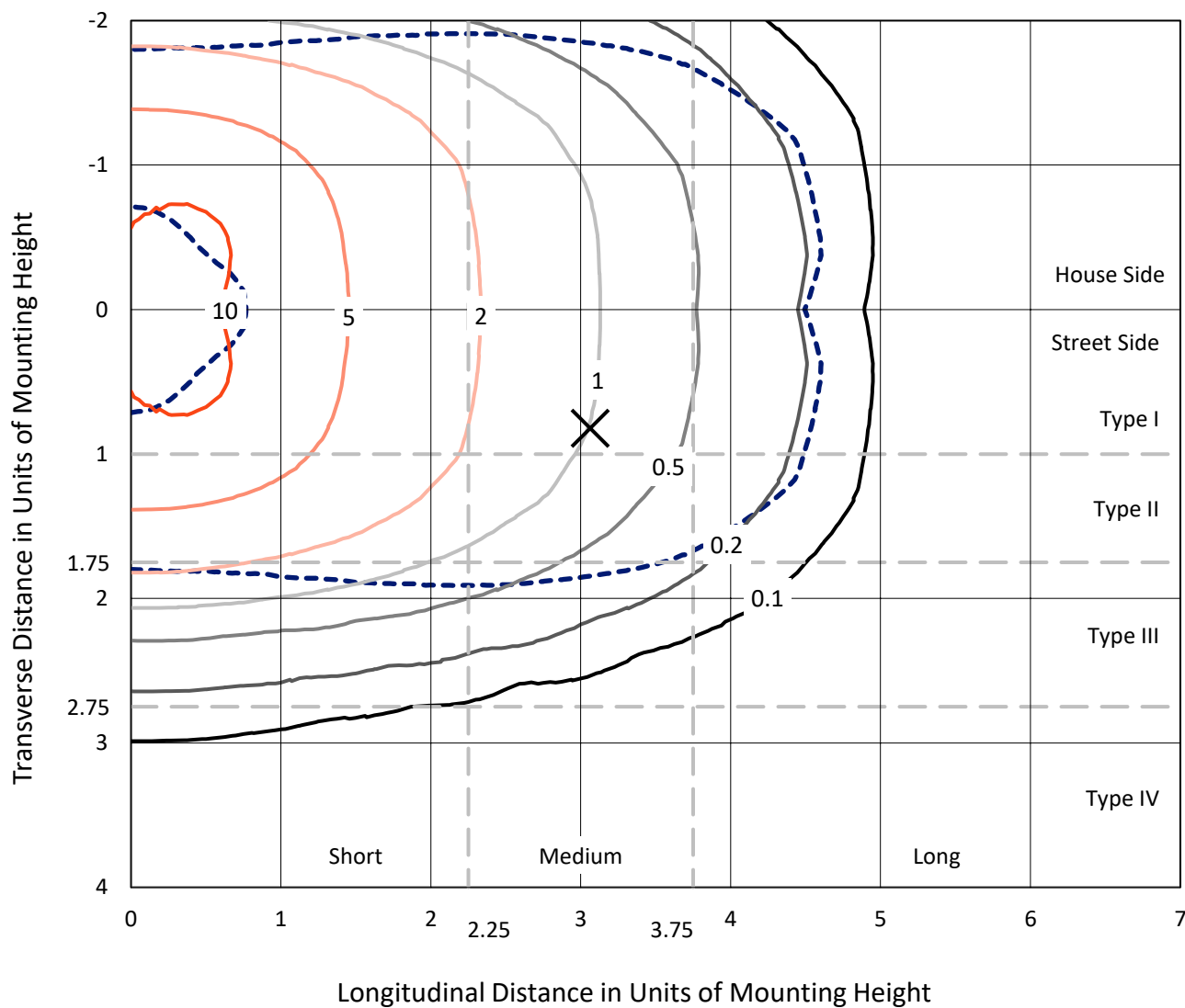
REPORT NUMBER: P956993

CATALOG NUMBER: GALN-SB9C-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

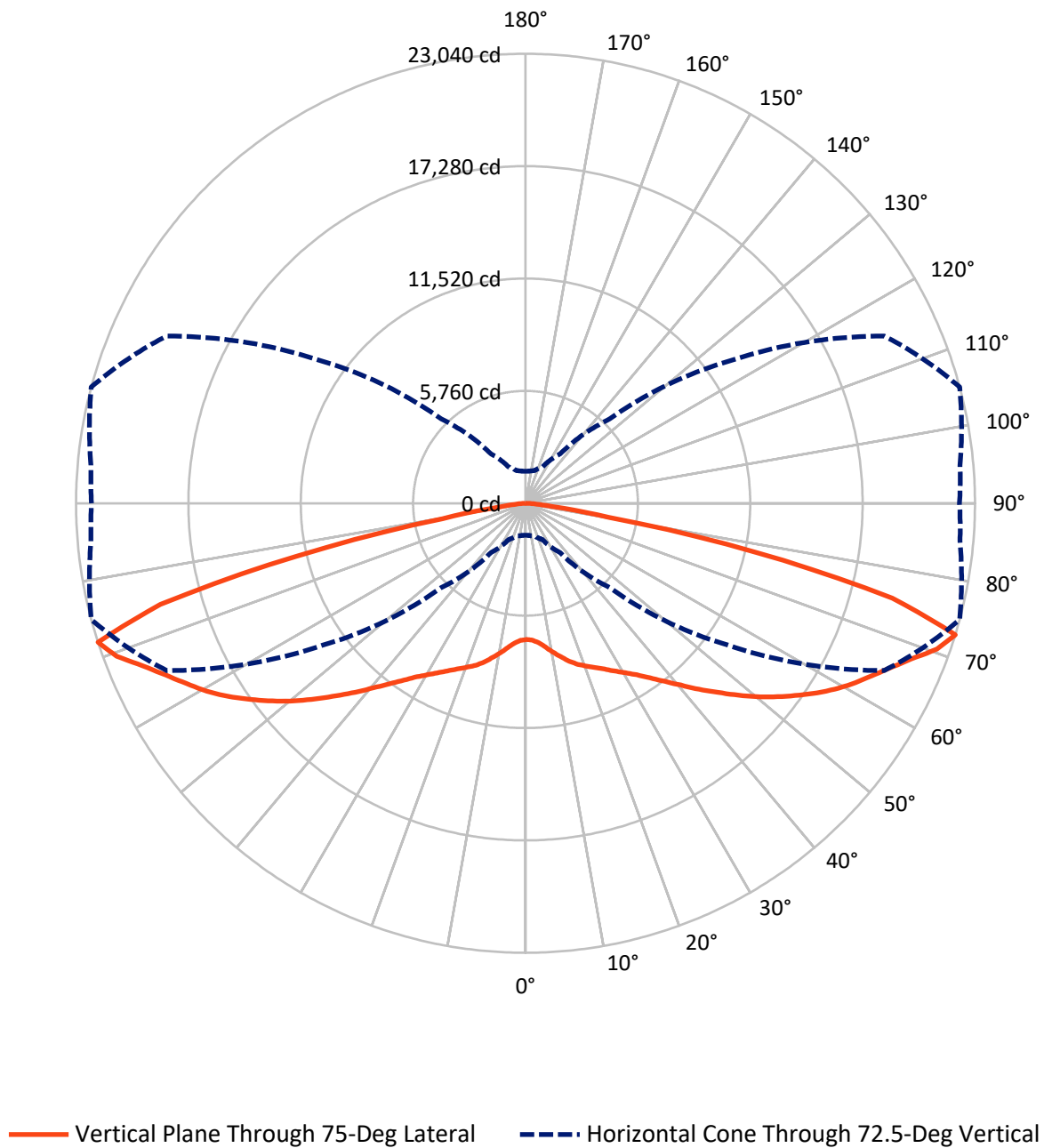


Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P956993

CATALOG NUMBER: GALN-SB9C-727-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P956993

CATALOG NUMBER: GALN-SB9C-727-U-RW

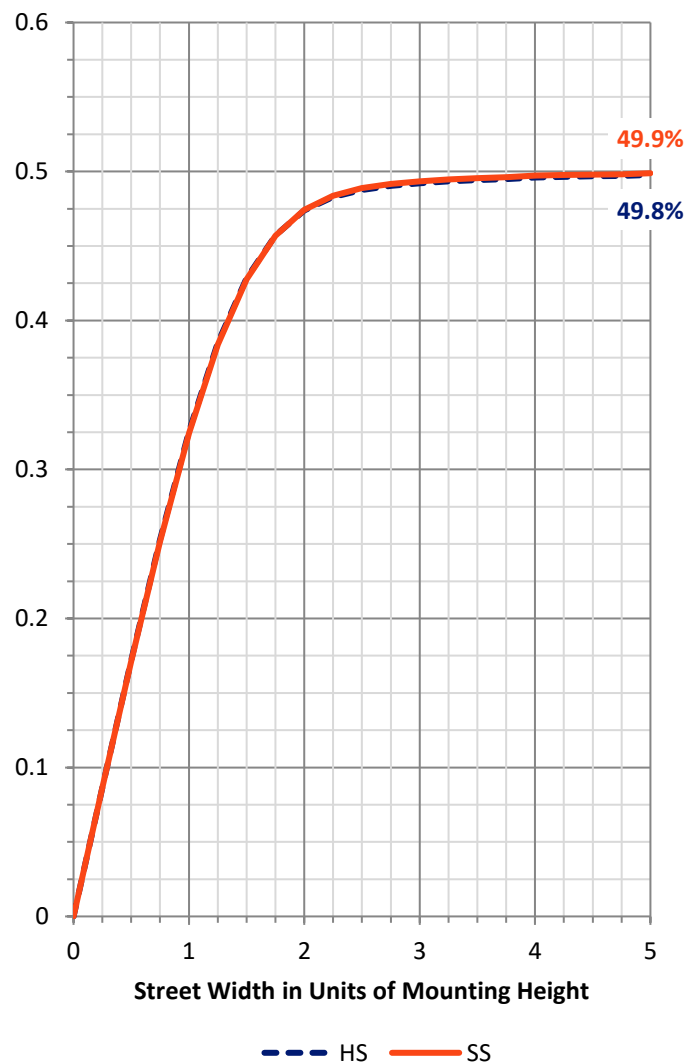
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32576.5	0.0	32576.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32576.5	0.0	32576.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65153.0	0.0	65153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.7	1.0
10°-20°	2254.8	3.5
20°-30°	4357.0	6.7
30°-40°	7357.1	11.3
40°-50°	11667.5	17.9
50°-60°	15621.4	24.0
60°-70°	14866.6	22.8
70°-80°	7757.6	11.9
80°-90°	587.2	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°	65153.0	100.0
0°-180°	65153.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956993

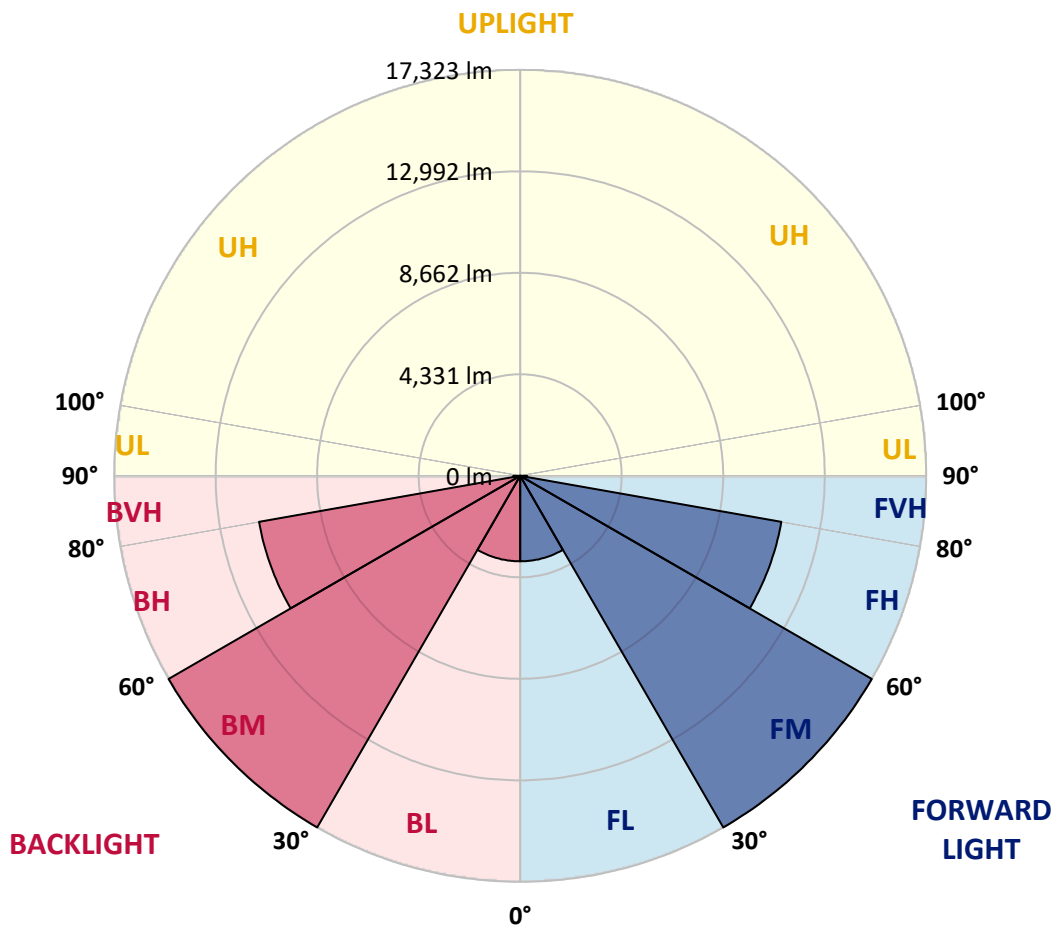
CATALOG NUMBER: GALN-SB9C-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3647.8	5.6			
FM	(30°-60°)	17323.0	26.6			
FH	(60°-80°)	11312.1	17.4			G4/12000
FVH	(80°-90°)	293.6	0.5			G3/500
BL	(0°-30°)	3647.8	5.6	B4/5000		
BM	(30°-60°)	17323.0	26.6	B5		
BH	(60°-80°)	11312.1	17.4	B5		G5
BVH	(80°-90°)	293.6	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 III Medium



REPORT NUMBER: P956993

CATALOG NUMBER: GALN-SB9C-727-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1	6979.1
2.5°	6979.1	6972.4	6979.1	6985.7	6982.4	6982.4	6999.0	7009.0	7029.0	7025.6	7022.3
5°	6932.5	6929.2	6955.8	6985.7	7009.0	7048.9	7098.8	7135.4	7182.0	7192.0	7192.0
7.5°	6909.2	6899.2	6945.8	6999.0	7072.2	7172.0	7268.5	7368.3	7448.1	7474.7	7481.4
10°	6925.8	6929.2	6992.4	7092.2	7208.6	7348.3	7484.7	7654.3	7767.4	7794.1	7820.7
12.5°	7002.3	6995.7	7102.1	7261.8	7421.5	7597.8	7757.5	7943.7	8066.8	8130.0	8156.6
15°	7142.1	7128.7	7278.4	7514.6	7747.5	7953.7	8083.5	8259.8	8402.8	8482.6	8512.6
17.5°	7308.4	7315.0	7511.3	7817.3	8123.4	8356.2	8479.3	8569.1	8678.9	8748.8	8782.0
20°	7601.1	7614.4	7834.0	8196.6	8545.8	8812.0	8911.8	8878.5	8908.4	8961.7	9001.6
22.5°	7993.6	8000.3	8246.5	8639.0	9004.9	9297.6	9364.2	9227.8	9144.6	9181.2	9207.8
25°	8449.4	8492.6	8738.8	9141.3	9517.2	9796.6	9826.6	9620.3	9414.1	9424.0	9440.7
27.5°	9004.9	9044.8	9294.3	9693.5	10076.0	10318.9	10315.6	10039.5	9736.7	9660.2	9683.5
30°	9607.0	9650.3	9906.4	10318.9	10674.8	10887.7	10841.1	10511.8	10079.4	9936.3	9953.0
32.5°	10322.2	10348.8	10608.3	11020.8	11350.1	11519.8	11423.3	11017.5	10478.6	10315.6	10355.5
35°	11187.1	11227.0	11420.0	11809.2	12098.6	12238.3	12075.3	11596.3	10990.8	10807.9	10834.5
37.5°	12175.1	12148.5	12368.0	12714.0	12953.5	13040.0	12817.1	12248.3	11576.3	11360.1	11400.0
40°	13206.3	13193.0	13432.5	13765.2	13894.9	13948.1	13618.8	12996.7	12251.6	12018.7	12095.3
42.5°	14141.1	14131.1	14453.8	14823.0	14979.3	14919.5	14503.7	13791.8	13033.3	12767.2	12833.7
45°	14889.5	14876.2	15272.1	15791.0	16097.1	15997.3	15438.4	14670.0	13825.0	13548.9	13612.1
47.5°	15465.0	15471.7	15897.5	16539.5	17075.1	17111.7	16393.1	15564.8	14696.6	14383.9	14477.0
50°	15880.8	15900.8	16356.5	17068.4	17800.2	18122.9	17367.8	16482.9	15598.1	15245.5	15351.9
52.5°	15984.0	16020.6	16569.4	17404.4	18266.0	18881.4	18359.1	17364.5	16453.0	16117.0	16203.5
55°	15435.1	15508.3	16203.5	17377.8	18552.0	19380.3	19230.6	18259.3	17314.6	16968.6	17065.1
57.5°	14174.3	14277.5	15089.1	16622.7	18488.8	19723.0	19905.9	19117.5	18176.1	17843.5	17920.0
60°	12407.9	12531.0	13309.4	14982.7	17597.3	19849.4	20381.6	19952.5	18967.9	18645.2	18715.0
62.5°	9743.4	9903.1	10834.5	12797.1	15714.5	19260.6	20787.5	20707.6	19679.7	19277.2	19323.8
65°	6250.5	6420.2	7401.5	9720.1	13203.0	17457.6	20913.9	21442.8	20431.5	19869.3	19939.2
67.5°	3769.0	3845.5	4331.1	5891.3	9650.3	14739.8	19842.7	22257.8	21309.7	20611.2	20664.4
70°	2411.7	2455.0	2744.4	3459.6	5455.5	10754.7	17188.2	22410.8	22374.2	21372.9	21366.3
72.5°	1636.7	1650.0	1726.5	2049.1	3087.0	6110.8	12677.4	20288.5	23039.5	22354.3	22247.8
75°	1197.5	1270.7	1393.8	1450.4	1753.1	3053.8	7265.1	14254.2	19416.9	19716.3	18991.1
77.5°	891.5	894.8	1064.5	1131.0	1250.8	1626.7	3073.7	7957.1	12055.3	12657.4	11290.2
80°	755.1	715.2	711.9	911.5	941.4	1014.6	1373.9	2747.7	4317.8	2618.0	1799.3
82.5°	628.7	585.5	528.9	711.9	642.0	622.1	595.4	1117.7	1373.9	675.3	575.5
85°	439.1	419.1	399.2	465.7	365.9	312.7	286.1	522.3	578.8	286.1	252.8
87.5°	189.6	196.3	199.6	206.2	153.0	109.8	109.8	146.4	146.4	113.1	83.2
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)