

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: P957325

Luminaire Tested: **GALN-SB9D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80186 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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



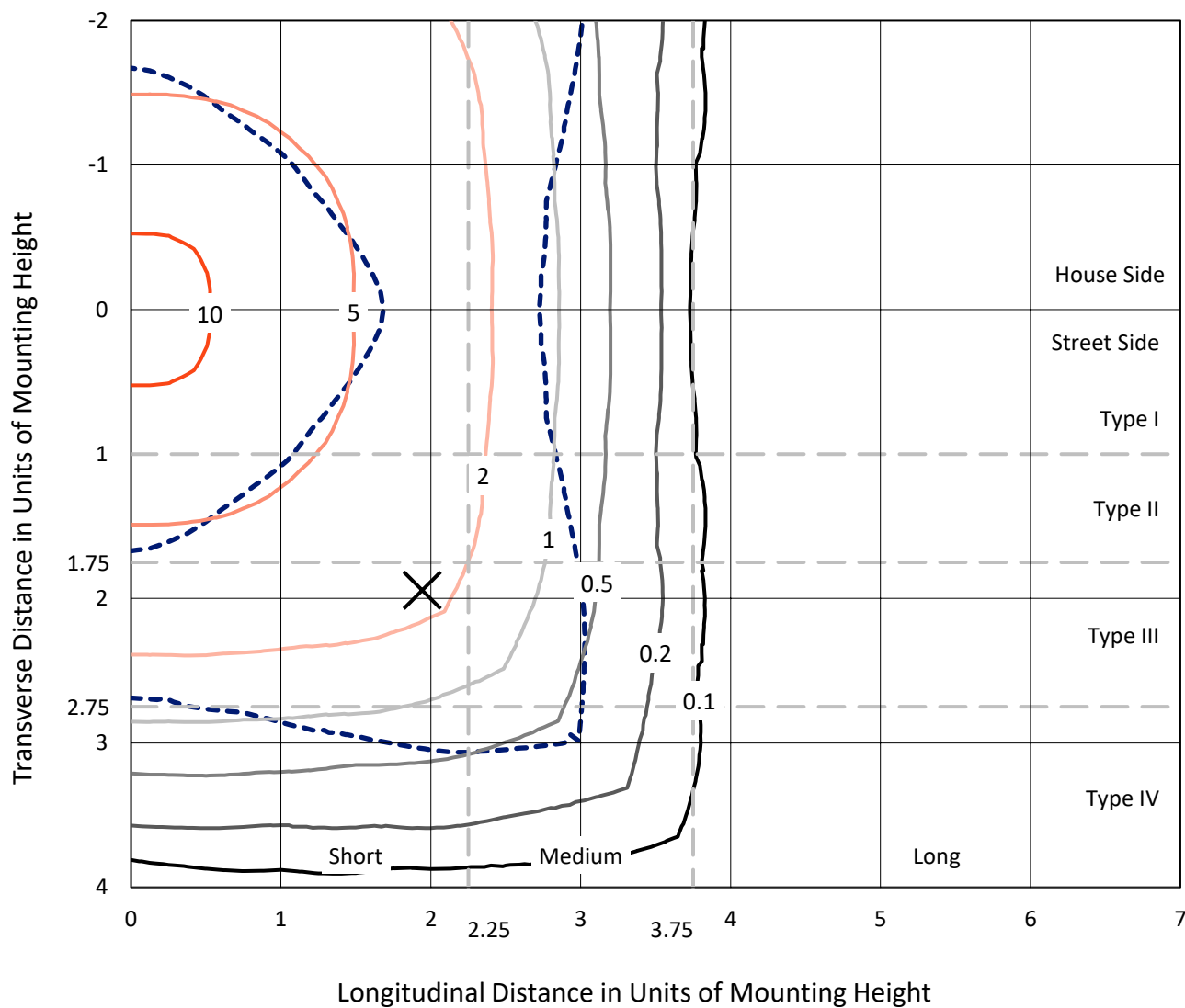
REPORT NUMBER: P957325

CATALOG NUMBER: GALN-SB9D-722-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

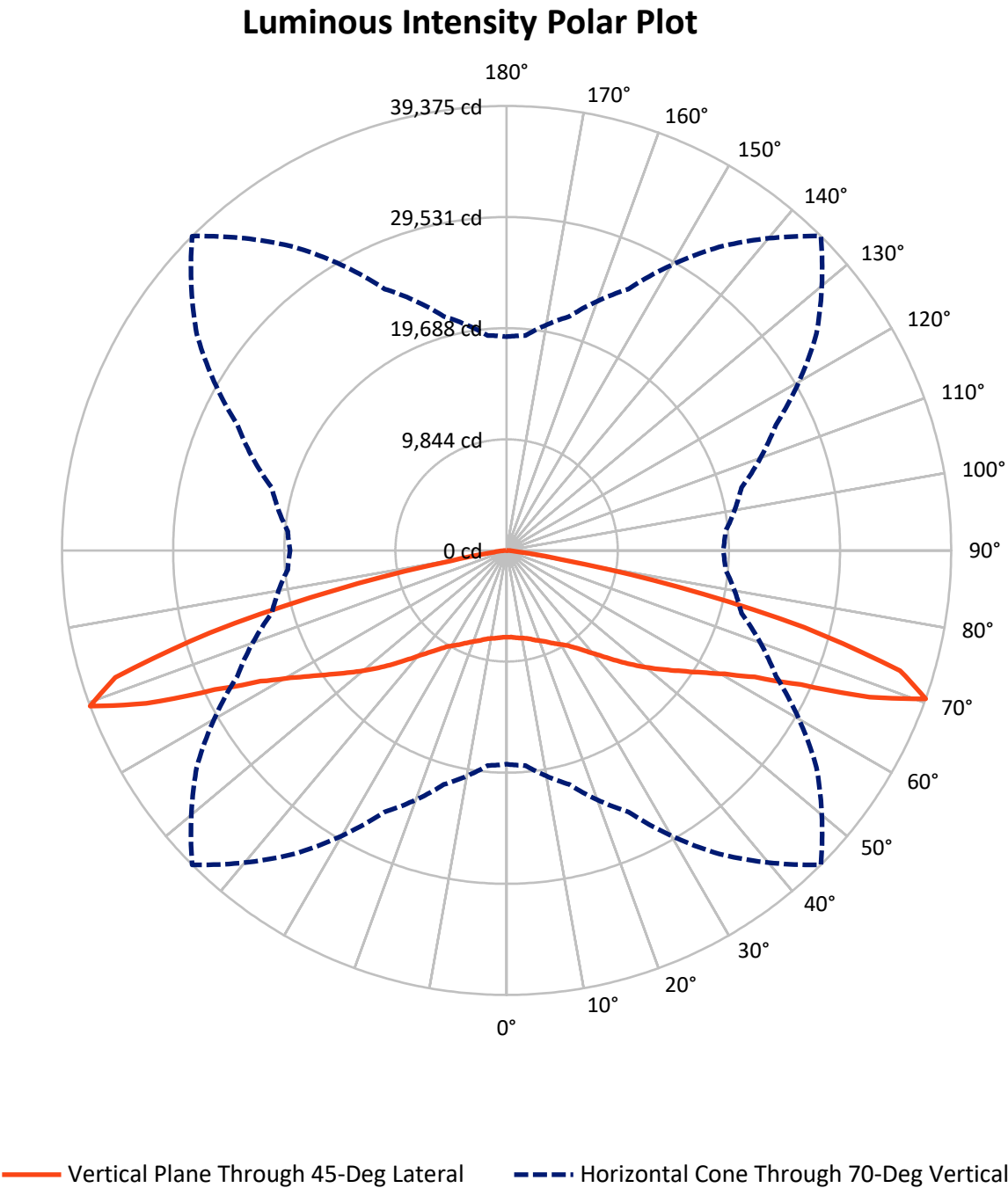
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc

Type V - Short - N/A

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CATALOG NUMBER: GALN-SB9D-722-U-5MQ



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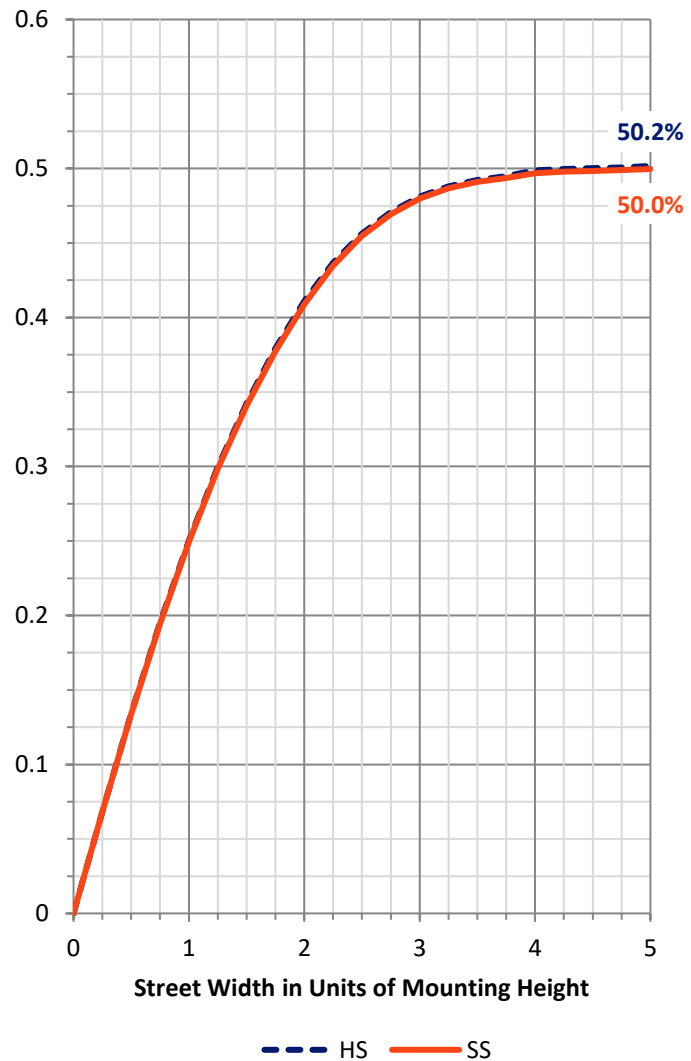
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40093.0	0.0	40093.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40093.0	0.0	40093.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	80186.0	0.0	80186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.2	0.9
10°-20°	2313.9	2.9
20°-30°	4135.2	5.2
30°-40°	6703.1	8.4
40°-50°	10918.3	13.6
50°-60°	16646.8	20.8
60°-70°	24765.1	30.9
70°-80°	13497.8	16.8
80°-90°	459.6	0.6
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°	80186.0	100.0
0°-180°	80186.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957325

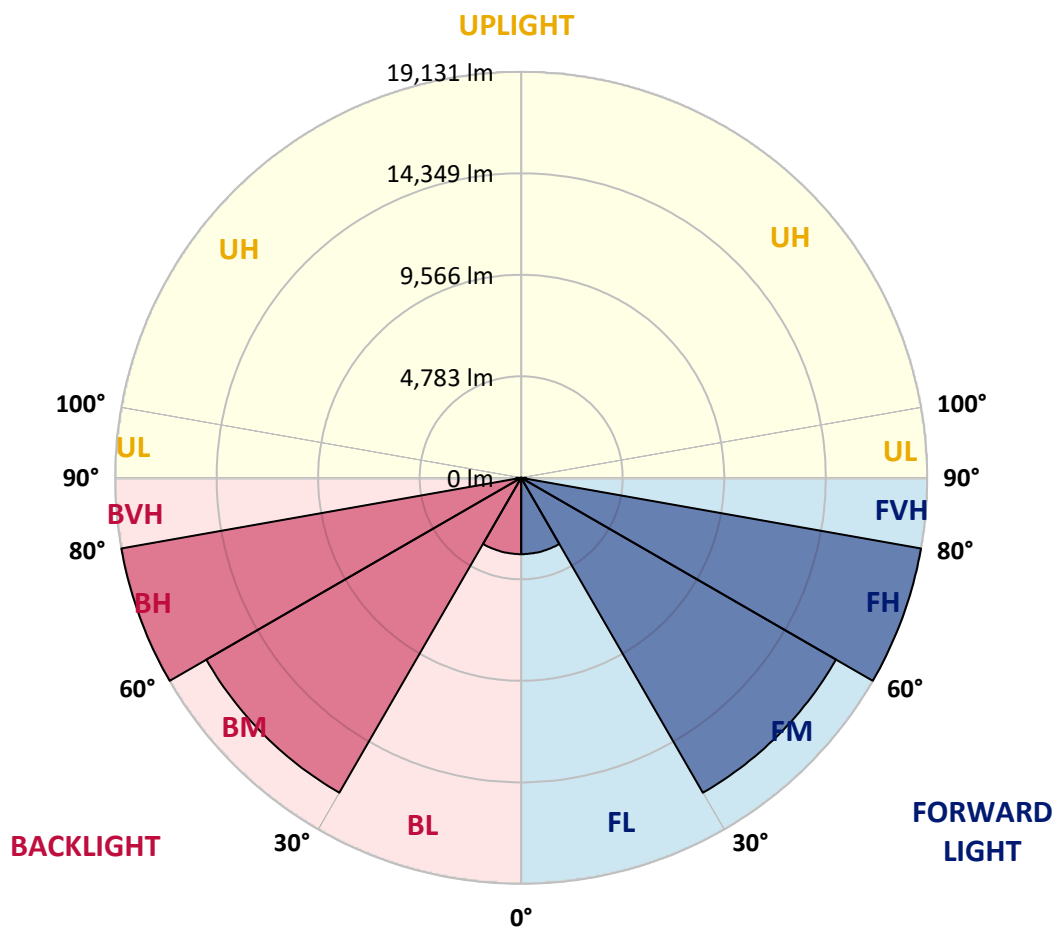
CATALOG NUMBER: GALN-SB9D-722-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3597.7	4.5			
FM	(30°-60°)	17134.1	21.4			
FH	(60°-80°)	19131.4	23.9			G5
FVH	(80°-90°)	229.8	0.3			G3/500
BL	(0°-30°)	3597.7	4.5	B4/5000		
BM	(30°-60°)	17134.1	21.4	B5		
BH	(60°-80°)	19131.4	23.9	B5		G5
BVH	(80°-90°)	229.8	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0	7681.0
2.5°	7717.2	7725.3	7709.2	7701.1	7693.1	7681.0	7685.0	7705.1	7721.2	7717.2	7721.2
5°	7781.6	7789.7	7777.6	7773.6	7757.5	7753.5	7753.5	7773.6	7785.7	7777.6	7781.6
7.5°	7854.1	7866.2	7846.0	7842.0	7834.0	7825.9	7821.9	7842.0	7854.1	7854.1	7854.1
10°	7922.5	7934.6	7918.5	7906.4	7898.4	7898.4	7890.3	7906.4	7926.6	7922.5	7922.5
12.5°	7995.0	8003.0	7986.9	7978.9	7978.9	7991.0	7978.9	7986.9	8003.0	7995.0	7991.0
15°	8083.6	8087.6	8083.6	8095.6	8115.8	8156.0	8119.8	8111.7	8119.8	8099.7	8099.7
17.5°	8204.3	8212.4	8228.5	8256.7	8284.8	8357.3	8292.9	8272.8	8272.8	8232.5	8232.5
20°	8353.3	8365.4	8389.5	8437.8	8474.0	8542.5	8478.1	8449.9	8437.8	8385.5	8385.5
22.5°	8510.3	8530.4	8566.6	8631.0	8695.5	8759.9	8695.5	8647.2	8610.9	8542.5	8538.5
25°	8691.4	8715.6	8771.9	8876.6	8965.2	9057.8	8981.3	8884.7	8812.2	8715.6	8711.6
27.5°	8949.1	8977.3	9045.7	9174.5	9287.2	9367.7	9295.3	9170.5	9069.8	8953.1	8949.1
30°	9311.4	9339.6	9420.1	9557.0	9633.4	9685.8	9637.5	9540.9	9420.1	9287.2	9287.2
32.5°	9778.4	9814.6	9903.2	10032.0	10048.1	10056.1	10040.0	9991.7	9903.2	9742.1	9746.2
35°	10370.1	10410.4	10511.0	10615.7	10599.6	10615.7	10591.6	10575.4	10511.0	10325.9	10325.9
37.5°	11094.8	11143.1	11247.7	11328.3	11288.0	11267.9	11271.9	11275.9	11239.7	11034.4	11034.4
40°	11936.1	12000.5	12077.0	12161.6	12093.1	12032.7	12073.0	12105.2	12073.0	11863.7	11863.7
42.5°	12801.6	12894.2	12974.8	13095.5	13039.2	12962.7	13019.0	13055.3	12986.8	12761.4	12777.5
45°	13763.8	13852.3	13957.0	14138.2	14097.9	14017.4	14097.9	14106.0	13989.2	13723.5	13751.7
47.5°	14758.1	14850.7	15007.7	15249.3	15233.2	15144.6	15249.3	15192.9	15043.9	14725.9	14705.8
50°	15700.1	15829.0	16070.5	16408.7	16440.9	16332.2	16473.1	16364.4	16114.8	15716.2	15708.2
52.5°	16585.8	16722.7	17105.1	17564.0	17680.8	17539.9	17729.1	17539.9	17165.5	16654.2	16605.9
55°	17515.7	17668.7	18123.6	18723.4	18956.9	18852.2	19029.4	18743.5	18212.2	17592.2	17507.7
57.5°	18610.7	18703.3	19246.8	19959.3	20353.8	20378.0	20458.5	19975.4	19331.3	18626.8	18530.2
60°	19798.3	19927.1	20518.9	21372.3	21996.3	22197.6	22113.0	21396.5	20647.7	19838.5	19709.7
62.5°	21320.0	21460.9	22169.4	23191.9	24178.2	24677.4	24347.3	23308.7	22382.8	21412.6	21243.5
65°	22580.0	22737.0	24017.2	25840.8	27636.3	28638.7	27809.4	25897.2	24230.5	22861.8	22636.4
67.5°	21666.2	21859.4	23868.2	27217.6	31682.1	34673.1	31835.0	27628.2	24363.4	22507.6	22229.8
70°	18936.8	19117.9	21460.9	25555.0	32821.3	39375.1	33505.7	26307.8	21537.4	19460.1	19182.3
72.5°	12572.2	13155.9	15527.0	20438.4	29306.9	36436.4	29596.8	20023.7	14403.9	12544.0	12137.4
75°	4170.6	4637.6	6255.9	10595.6	19629.2	27249.8	18687.2	9375.8	4955.6	3566.7	3373.5
77.5°	1050.7	1211.7	1670.7	3031.3	7829.9	15515.0	7049.0	2475.8	1348.6	942.0	841.4
80°	511.3	563.6	805.1	1010.4	1960.5	4931.5	1839.7	950.1	636.1	491.1	450.9
82.5°	281.8	285.8	454.9	571.6	728.6	1276.1	756.8	555.5	366.3	297.9	297.9
85°	173.1	169.1	241.5	306.0	306.0	454.9	362.3	306.0	209.3	185.2	193.2
87.5°	68.4	68.4	88.6	96.6	84.5	116.7	92.6	100.6	80.5	76.5	80.5
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)