

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: P944323

Luminaire Tested: **GALN-SB9B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944323
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-SB9B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41915 lumens
Efficiency: N/A
Efficacy: 127.2 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): 329.5
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



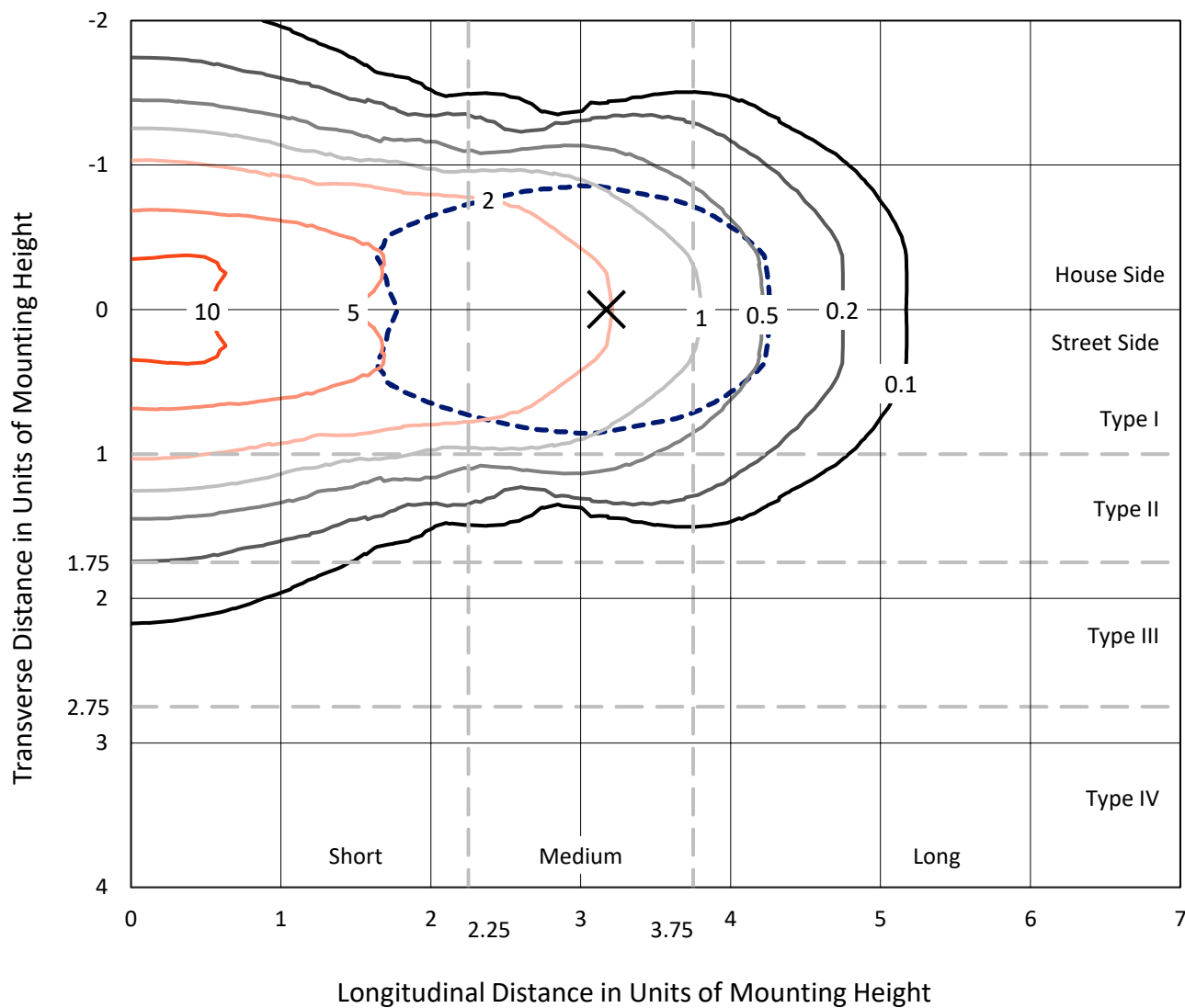
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

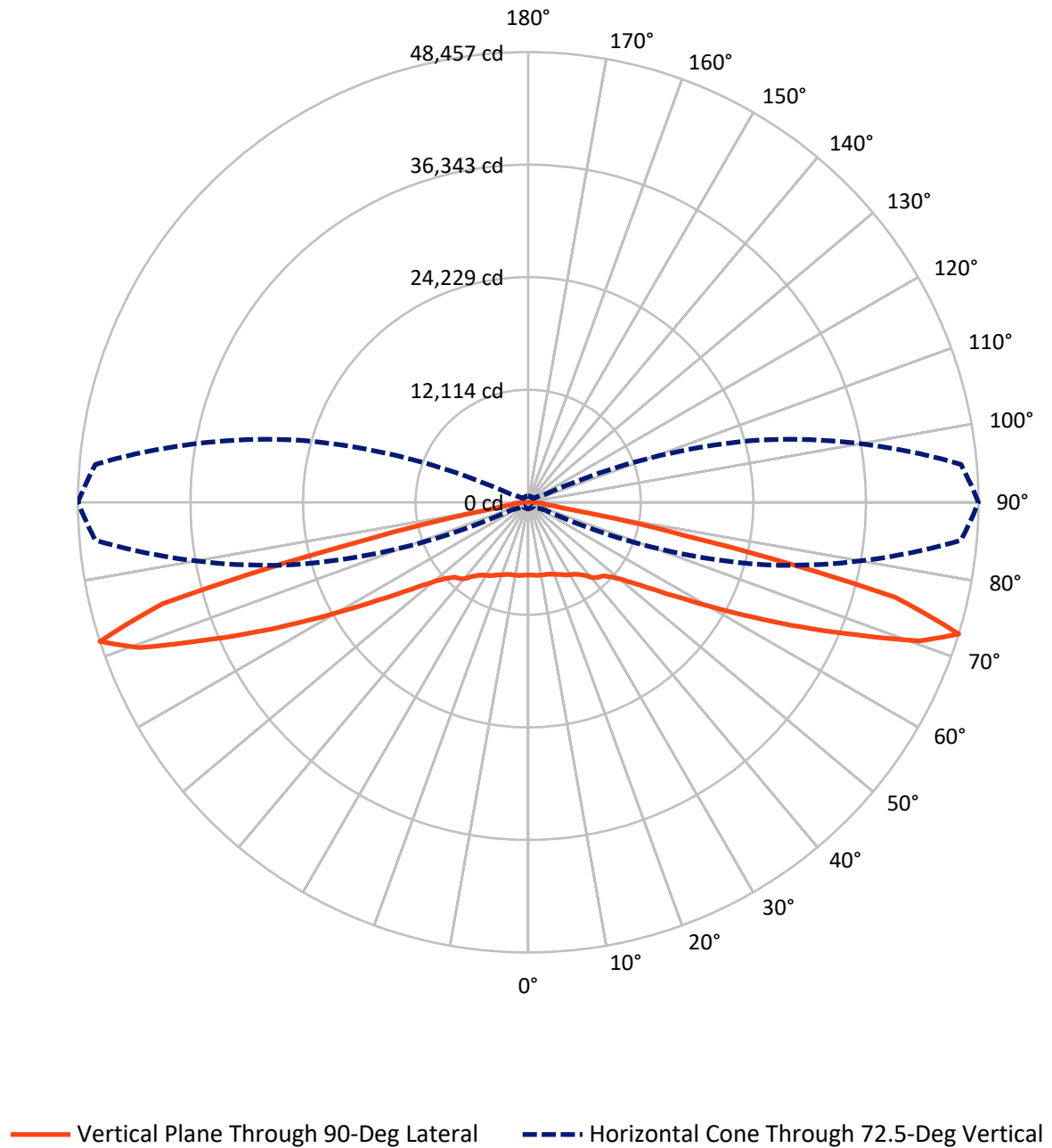


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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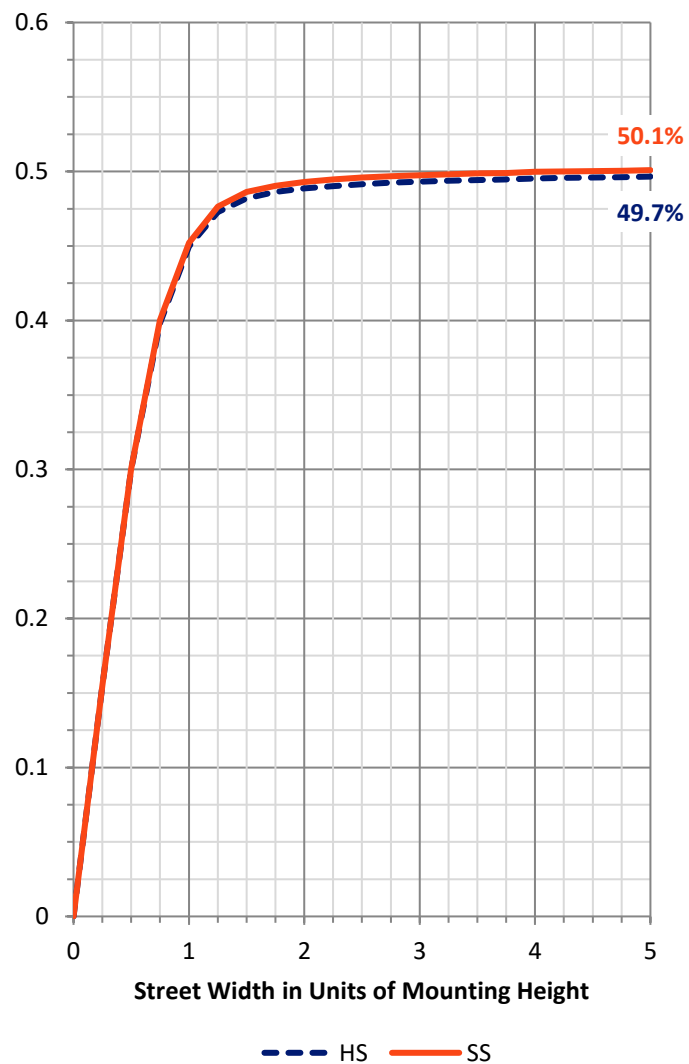
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20957.5	0.0	20957.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20957.5	0.0	20957.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41915.0	0.0	41915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.4	1.8
10°-20°	2322.0	5.5
20°-30°	3871.8	9.2
30°-40°	5324.9	12.7
40°-50°	6503.2	15.5
50°-60°	7521.6	17.9
60°-70°	8968.3	21.4
70°-80°	6259.3	14.9
80°-90°	384.4	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°	41915.0	100.0
0°-180°	41915.0	100.0

Coefficient of Utilization



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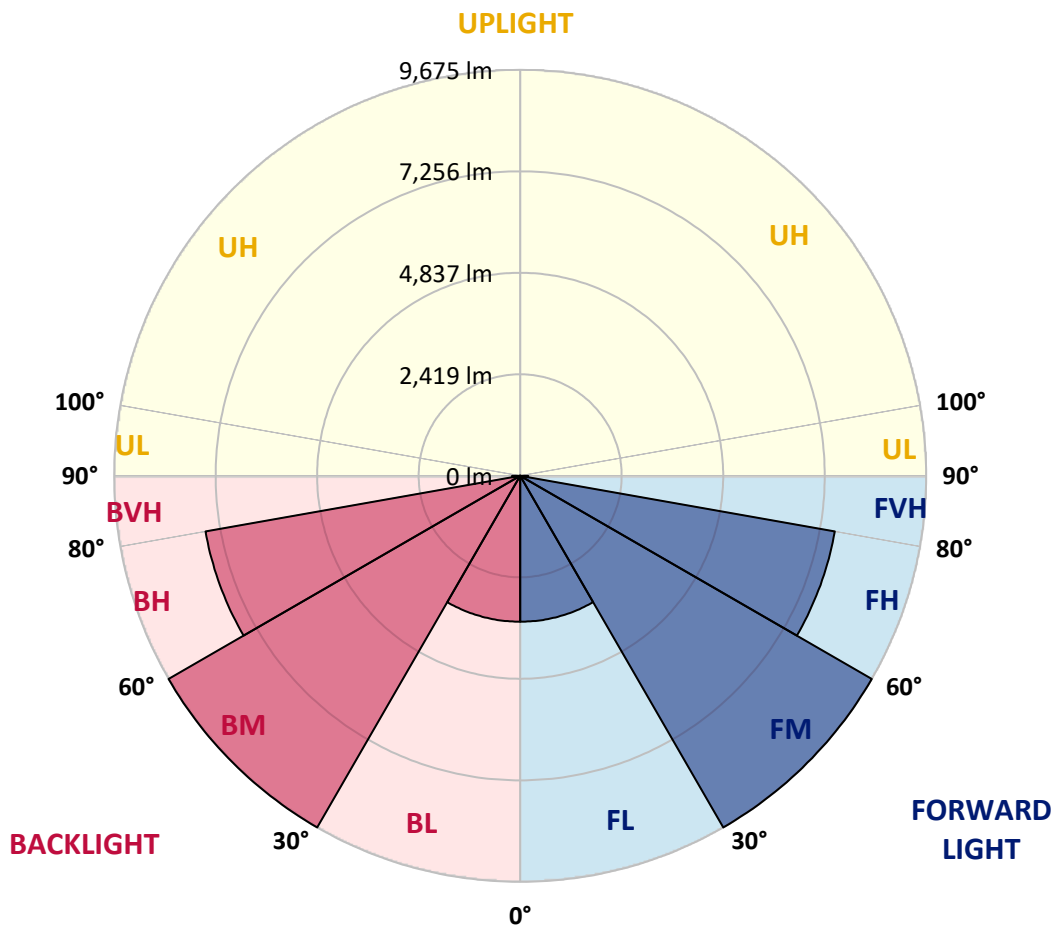
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3476.6	8.3			
FM	(30°-60°)	9674.9	23.1			
FH	(60°-80°)	7613.8	18.2			G4/12000
FVH	(80°-90°)	192.2	0.5			G2/225
BL	(0°-30°)	3476.6	8.3	B4/5000		
BM	(30°-60°)	9674.9	23.1	B5		
BH	(60°-80°)	7613.8	18.2	B5		G5
BVH	(80°-90°)	192.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3	7832.3
2.5°	7838.9	7847.9	7847.9	7841.2	7856.8	7843.4	7843.4	7836.7	7843.4	7836.7	7836.7
5°	7879.0	7890.2	7894.6	7892.4	7912.5	7901.3	7901.3	7892.4	7894.6	7888.0	7888.0
7.5°	7954.8	7970.4	7979.3	7990.4	8019.4	8006.0	7997.1	7970.4	7959.2	7941.4	7941.4
10°	7979.3	7997.1	8026.1	8084.0	8150.8	8153.0	8126.3	8059.5	8008.2	7968.1	7961.5
12.5°	7903.5	7928.0	7988.2	8106.3	8255.5	8315.7	8273.3	8161.9	8061.7	7990.4	7979.3
15°	7807.8	7834.5	7925.8	8104.0	8324.6	8464.9	8460.4	8313.4	8153.0	8041.7	8023.8
17.5°	7658.5	7685.2	7816.7	8066.2	8378.0	8609.7	8672.1	8520.6	8295.6	8146.4	8121.8
20°	7389.0	7413.5	7596.1	7945.9	8395.8	8763.4	8926.0	8792.4	8511.7	8309.0	8271.1
22.5°	7039.2	7077.1	7291.0	7738.7	8353.5	8923.8	9215.6	9124.3	8763.4	8482.7	8431.5
25°	6665.0	6705.1	6954.6	7484.8	8244.4	9039.6	9558.7	9500.7	9048.5	8698.8	8627.5
27.5°	6342.0	6384.3	6656.1	7233.0	8075.1	9084.2	9897.3	9926.2	9393.8	8937.2	8861.4
30°	6088.0	6128.1	6417.7	7030.3	7856.8	9039.6	10193.5	10394.0	9745.8	9144.3	9035.2
32.5°	5809.6	5860.8	6166.0	6783.1	7598.4	8932.7	10451.9	10899.7	10153.4	9367.1	9229.0
35°	5457.6	5504.4	5825.2	6444.5	7259.8	8761.2	10668.0	11461.0	10737.1	9705.7	9552.0
37.5°	5029.9	5074.5	5393.0	6021.2	6923.4	8520.6	10832.8	12093.7	11432.1	10193.5	9988.6
40°	4600.0	4642.3	4940.8	5549.0	6520.2	8213.2	10890.8	12712.9	12229.6	10864.0	10645.7
42.5°	4205.7	4243.6	4517.6	5083.4	6068.0	7821.1	10815.0	13252.0	12944.6	11331.8	11051.1
45°	3842.6	3876.0	4118.8	4646.8	5598.0	7344.4	10587.8	13831.2	13795.6	11666.0	11287.3
47.5°	3428.3	3461.7	3713.4	4223.5	5127.9	6785.3	10202.4	14401.5	14978.4	12423.4	11986.7
50°	2922.6	2951.6	3210.0	3735.7	4640.1	6190.5	9667.8	14849.2	16470.9	13570.6	13022.6
52.5°	2323.4	2354.6	2606.3	3132.0	4060.9	5551.2	8963.9	15141.0	18195.1	15245.7	14570.8
55°	1728.6	1750.9	1969.2	2441.5	3343.6	4822.8	8081.8	15223.5	20150.9	17535.7	16691.4
57.5°	1254.1	1267.5	1407.8	1759.8	2535.0	3911.7	7010.3	15009.6	22478.8	20471.7	19409.1
60°	1015.8	1020.2	1062.6	1218.5	1762.0	2882.5	5716.0	14274.5	25004.9	24256.4	22917.6
62.5°	922.2	922.2	933.4	975.7	1191.8	1902.4	4150.0	12750.8	27713.6	29039.1	27245.8
65°	857.6	857.6	862.1	882.1	940.0	1211.8	2619.7	10269.3	29996.9	34641.5	32373.8
67.5°	799.7	801.9	799.7	806.4	839.8	895.5	1519.2	7092.7	31226.6	40446.6	37998.5
70°	739.6	744.0	732.9	732.9	759.6	761.8	951.2	3889.4	30206.3	45311.7	44667.9
72.5°	668.3	675.0	657.1	652.7	672.7	663.8	715.1	1866.7	25933.8	46764.1	48457.1
75°	605.9	614.8	574.7	563.6	563.6	556.9	581.4	957.9	16831.8	38147.7	40803.0
77.5°	550.2	568.0	503.4	467.8	458.9	438.8	474.5	585.9	7362.2	17909.9	17537.9
80°	454.4	478.9	414.3	372.0	356.4	334.1	374.2	409.9	2189.7	4158.9	3983.0
82.5°	338.6	349.7	294.0	265.1	251.7	236.1	280.7	285.1	712.8	1472.4	1664.0
85°	216.1	220.5	180.4	155.9	149.2	142.6	178.2	155.9	271.8	1082.6	1572.7
87.5°	75.7	86.9	69.1	62.4	66.8	55.7	82.4	46.8	75.7	764.1	946.7
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)