

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: P944163

Luminaire Tested: **GALN-SB9A-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944163
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37491 lumens
Efficiency: N/A
Efficacy: 146.7 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



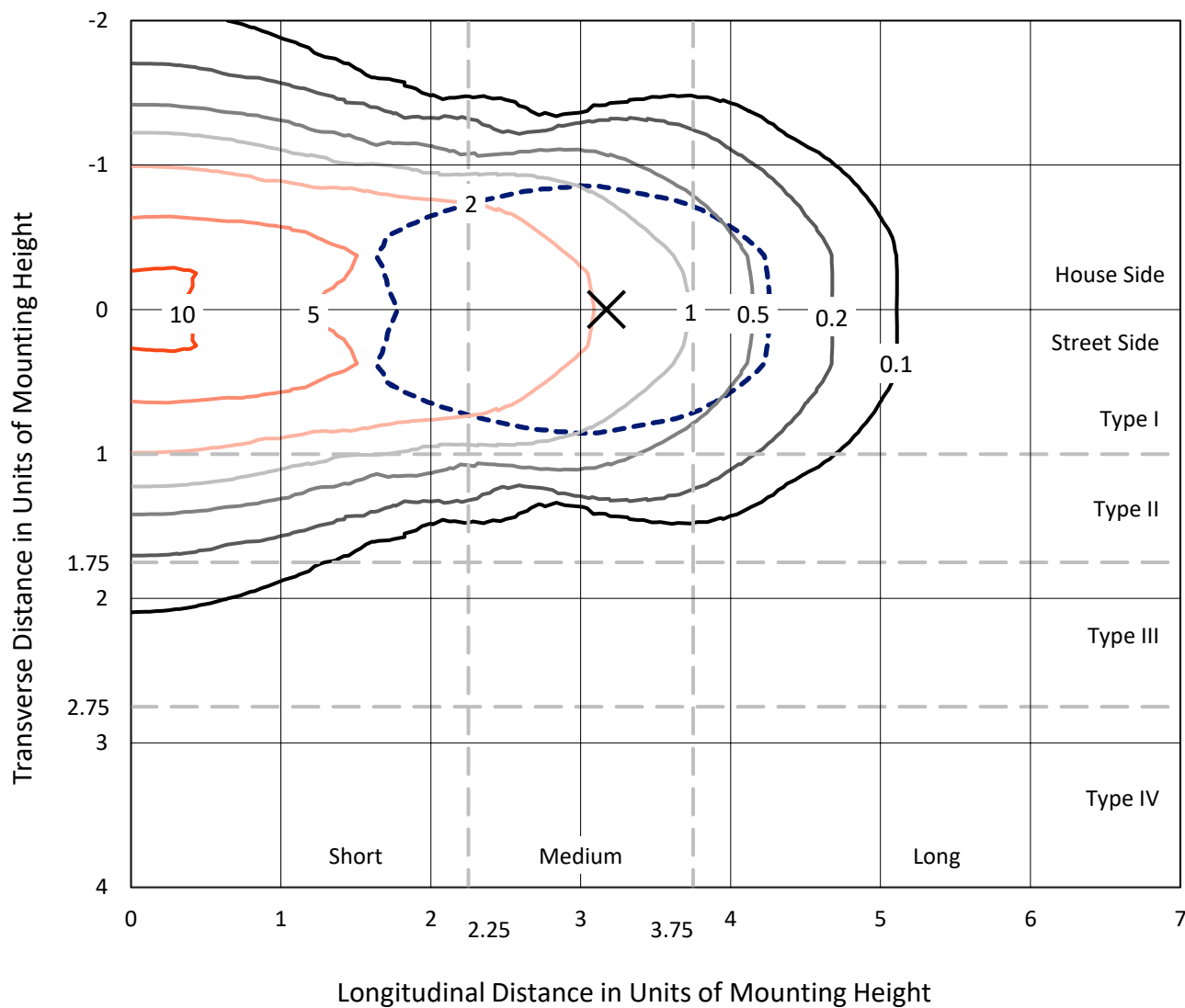
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Iso-Footcandle Lines of Horizontal Illumination

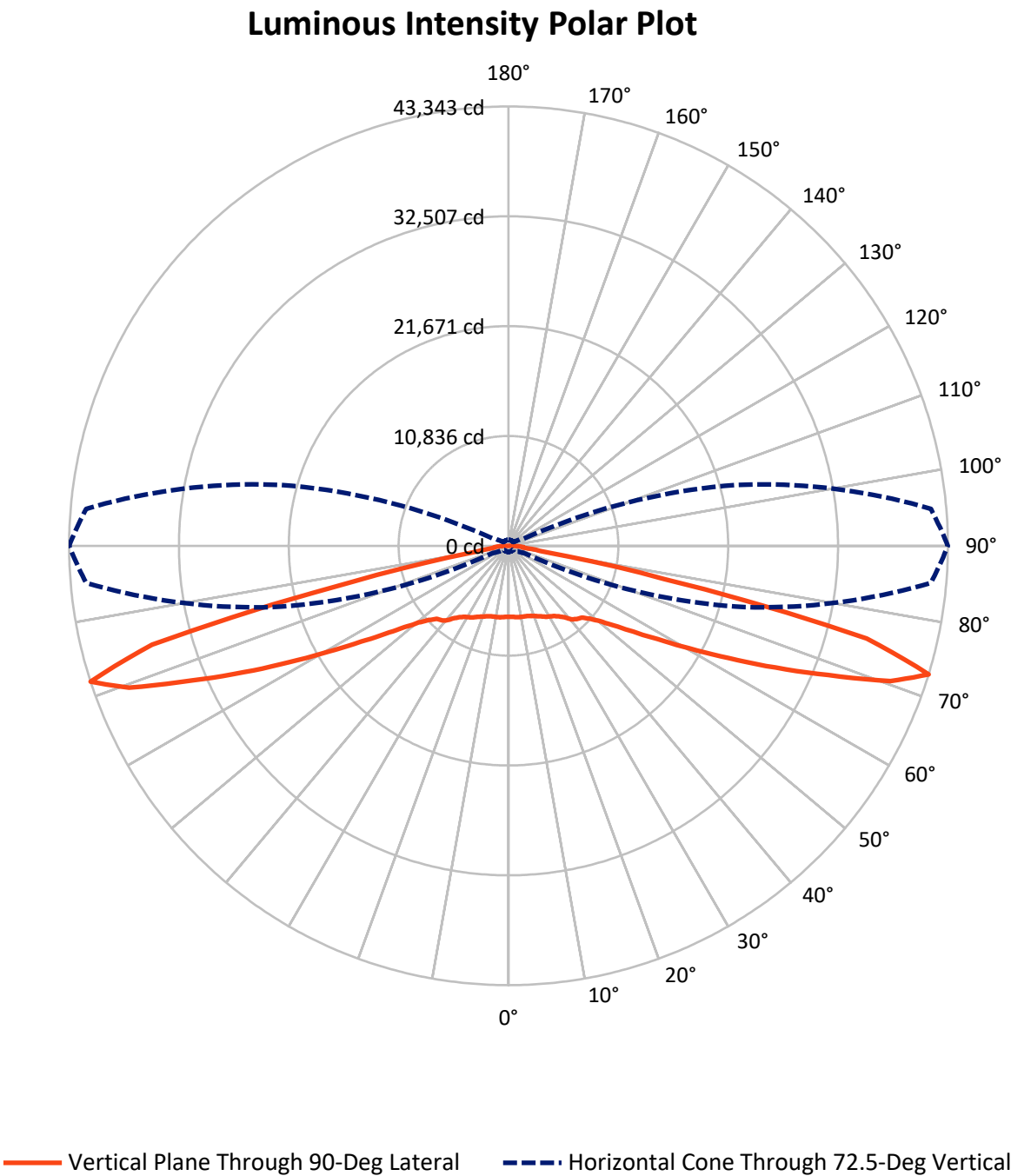
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type I - Short - N/A

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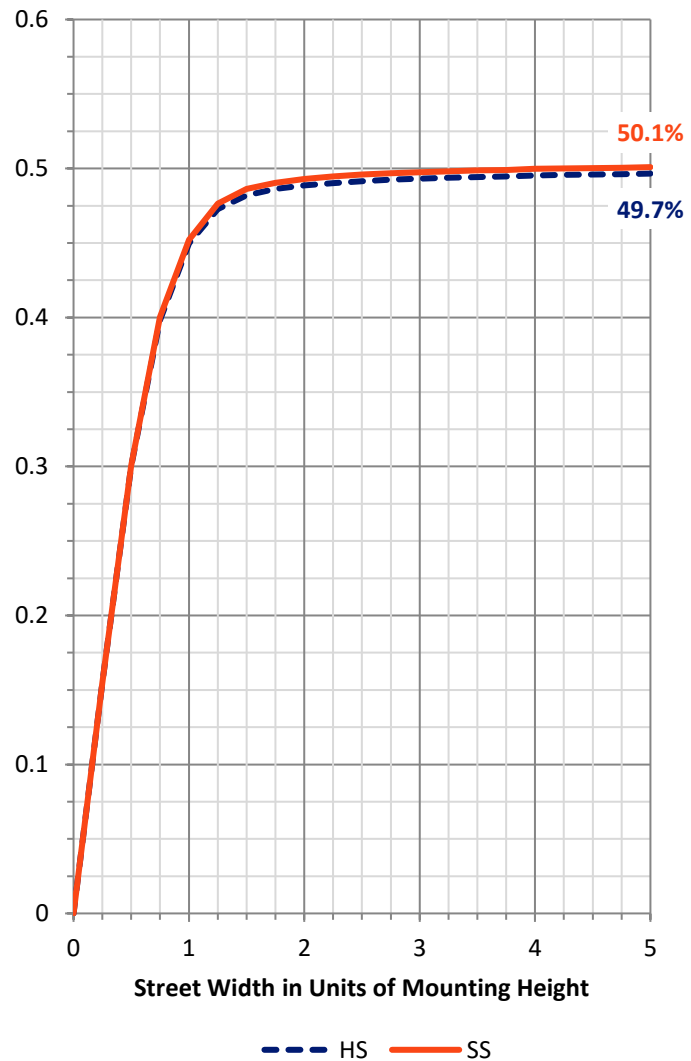
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18745.5	0.0	18745.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18745.5	0.0	18745.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37491.0	0.0	37491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.3	1.8
10°-20°	2077.0	5.5
20°-30°	3463.1	9.2
30°-40°	4762.9	12.7
40°-50°	5816.8	15.5
50°-60°	6727.7	17.9
60°-70°	8021.7	21.4
70°-80°	5598.6	14.9
80°-90°	343.9	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°	37491.0	100.0
0°-180°	37491.0	100.0

Coefficient of Utilization



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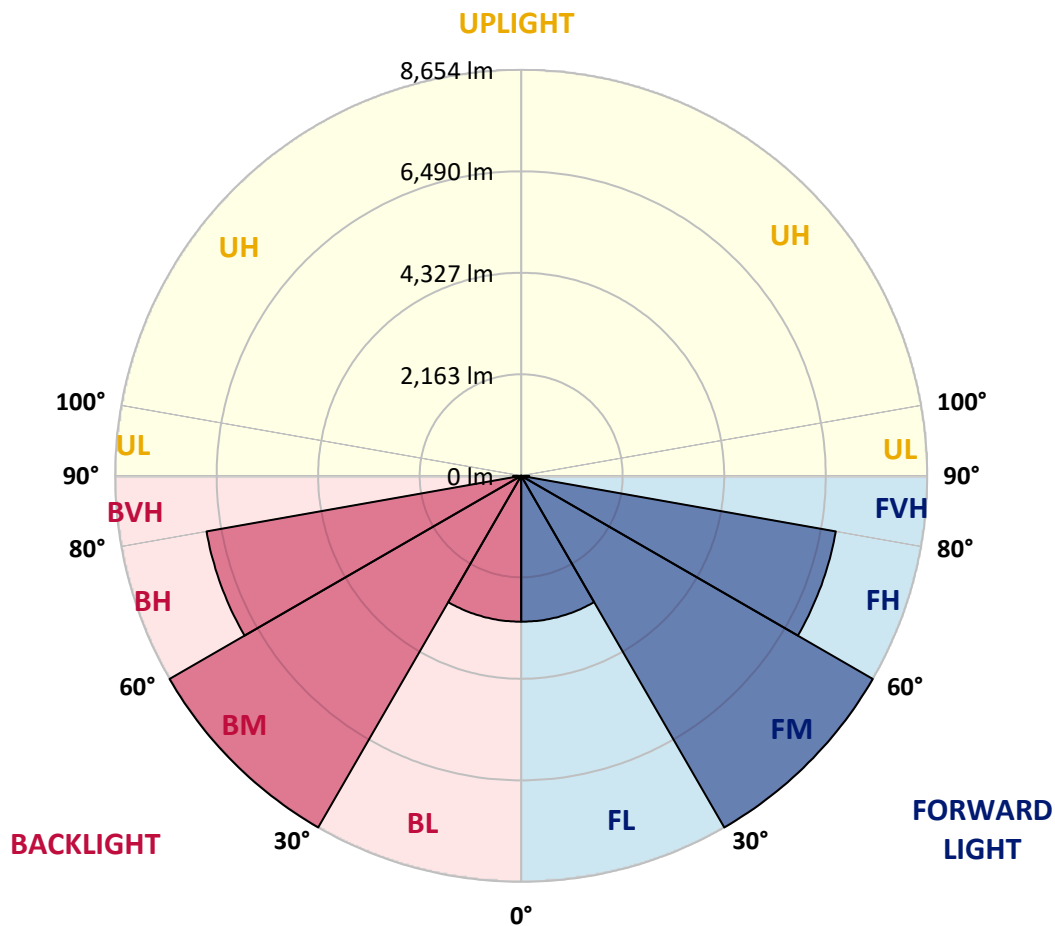
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3109.7	8.3			
FM	(30°-60°)	8653.7	23.1			
FH	(60°-80°)	6810.2	18.2			G3/7500
FVH	(80°-90°)	171.9	0.5			G2/225
BL	(0°-30°)	3109.7	8.3	B4/5000		
BM	(30°-60°)	8653.7	23.1	B5		
BH	(60°-80°)	6810.2	18.2	B5		G5
BVH	(80°-90°)	171.9	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°	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6	7005.6
2.5°	7011.6	7019.5	7019.5	7013.6	7027.5	7015.6	7015.6	7009.6	7015.6	7009.6	7009.6
5°	7047.4	7057.4	7061.4	7059.4	7077.3	7067.4	7067.4	7059.4	7061.4	7055.4	7055.4
7.5°	7115.2	7129.1	7137.1	7147.1	7173.0	7161.0	7153.0	7129.1	7119.2	7103.2	7103.2
10°	7137.1	7153.0	7178.9	7230.7	7290.5	7292.5	7268.6	7208.8	7163.0	7127.1	7121.2
12.5°	7069.3	7091.3	7145.1	7250.7	7384.2	7438.0	7400.1	7300.5	7210.8	7147.1	7137.1
15°	6983.7	7007.6	7089.3	7248.7	7445.9	7571.5	7567.5	7436.0	7292.5	7192.9	7176.9
17.5°	6850.2	6874.1	6991.6	7214.8	7493.7	7701.0	7756.8	7621.3	7420.0	7286.5	7264.6
20°	6609.1	6631.0	6794.4	7107.2	7509.7	7838.4	7983.9	7864.4	7613.3	7432.0	7398.1
22.5°	6296.3	6330.1	6521.4	6921.9	7471.8	7981.9	8242.9	8161.2	7838.4	7587.4	7541.6
25°	5961.5	5997.4	6220.5	6694.8	7374.2	8085.5	8549.8	8498.0	8093.5	7780.7	7716.9
27.5°	5672.6	5710.5	5953.6	6469.6	7222.8	8125.4	8852.6	8878.5	8402.3	7993.9	7926.1
30°	5445.5	5481.3	5740.4	6288.3	7027.5	8085.5	9117.6	9297.0	8717.1	8179.2	8081.5
32.5°	5196.4	5242.2	5515.2	6067.1	6796.4	7989.9	9348.8	9749.2	9081.8	8378.4	8254.9
35°	4881.6	4923.4	5210.4	5764.3	6493.5	7836.5	9542.0	10251.4	9603.8	8681.3	8543.8
37.5°	4499.0	4538.9	4823.8	5385.7	6192.7	7621.3	9689.5	10817.2	10225.5	9117.6	8934.3
40°	4114.5	4152.3	4419.3	4963.3	5832.0	7346.3	9741.3	11371.1	10938.8	9717.4	9522.1
42.5°	3761.8	3795.7	4040.8	4546.9	5427.5	6995.6	9673.5	11853.3	11578.3	10135.8	9884.7
45°	3437.0	3466.9	3684.1	4156.3	5007.1	6569.2	9470.3	12371.4	12339.5	10434.7	10095.9
47.5°	3066.4	3096.3	3321.5	3777.8	4586.7	6069.1	9125.6	12881.4	13397.5	11112.1	10721.6
50°	2614.1	2640.0	2871.2	3341.4	4150.4	5537.1	8647.4	13281.9	14732.5	12138.2	11648.1
52.5°	2078.2	2106.1	2331.2	2801.4	3632.3	4965.3	8017.8	13542.9	16274.6	13636.6	13032.9
55°	1546.2	1566.1	1761.4	2183.8	2990.7	4313.7	7228.7	13616.7	18024.0	15684.9	14929.7
57.5°	1121.8	1133.7	1259.3	1574.1	2267.5	3498.8	6270.4	13425.4	20106.2	18311.0	17360.6
60°	908.6	912.6	950.4	1089.9	1576.1	2578.3	5112.7	12767.9	22365.7	21696.2	20498.7
62.5°	824.9	824.9	834.9	872.7	1066.0	1701.6	3712.0	11405.0	24788.5	25974.1	24370.1
65°	767.1	767.1	771.1	789.0	840.8	1083.9	2343.2	9185.4	26830.8	30985.2	28956.8
67.5°	715.3	717.3	715.3	721.3	751.2	801.0	1358.9	6344.1	27930.7	36177.6	33987.9
70°	661.5	665.5	655.5	655.5	679.4	681.4	850.8	3478.9	27018.1	40529.2	39953.4
72.5°	597.7	603.7	587.8	583.8	601.7	593.8	639.6	1669.7	23196.5	41828.3	43342.6
75°	542.0	549.9	514.1	504.1	504.1	498.1	520.0	856.8	15055.2	34121.4	36496.4
77.5°	492.1	508.1	450.3	418.4	410.5	392.5	424.4	524.0	6585.2	16019.6	15686.9
80°	406.5	428.4	370.6	332.7	318.8	298.9	334.7	366.6	1958.6	3720.0	3562.6
82.5°	302.9	312.8	263.0	237.1	225.2	211.2	251.1	255.0	637.6	1317.0	1488.4
85°	193.3	197.3	161.4	139.5	133.5	127.5	159.4	139.5	243.1	968.3	1406.7
87.5°	67.7	77.7	61.8	55.8	59.8	49.8	73.7	41.8	67.7	683.4	846.8
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)