

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: P943133

Luminaire Tested: **GALN-SB7C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943133
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-SB7C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43525 lumens
Efficiency: N/A
Efficacy: 124.2 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): 350.5
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



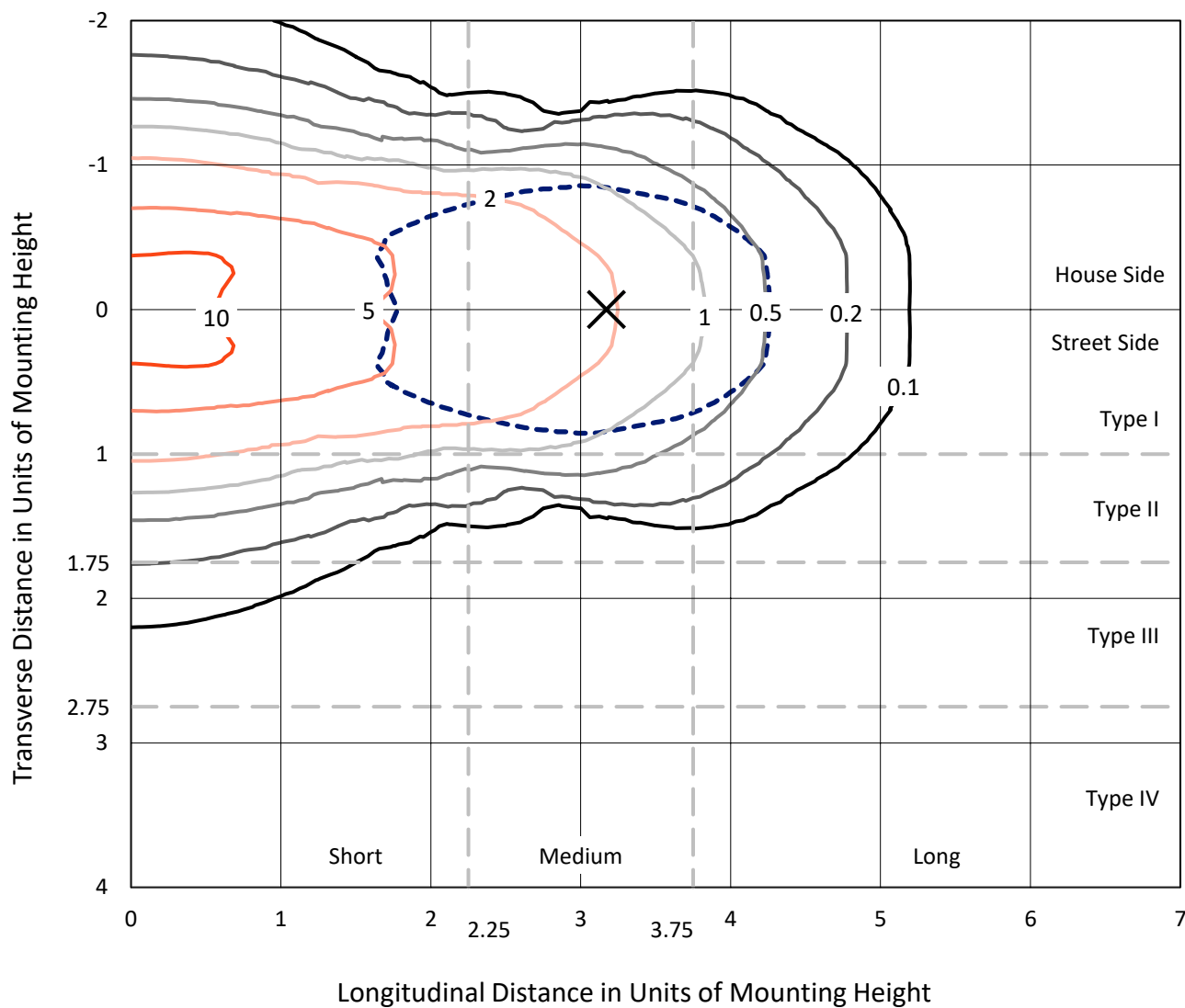
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Iso-Footcandle Lines of Horizontal Illumination

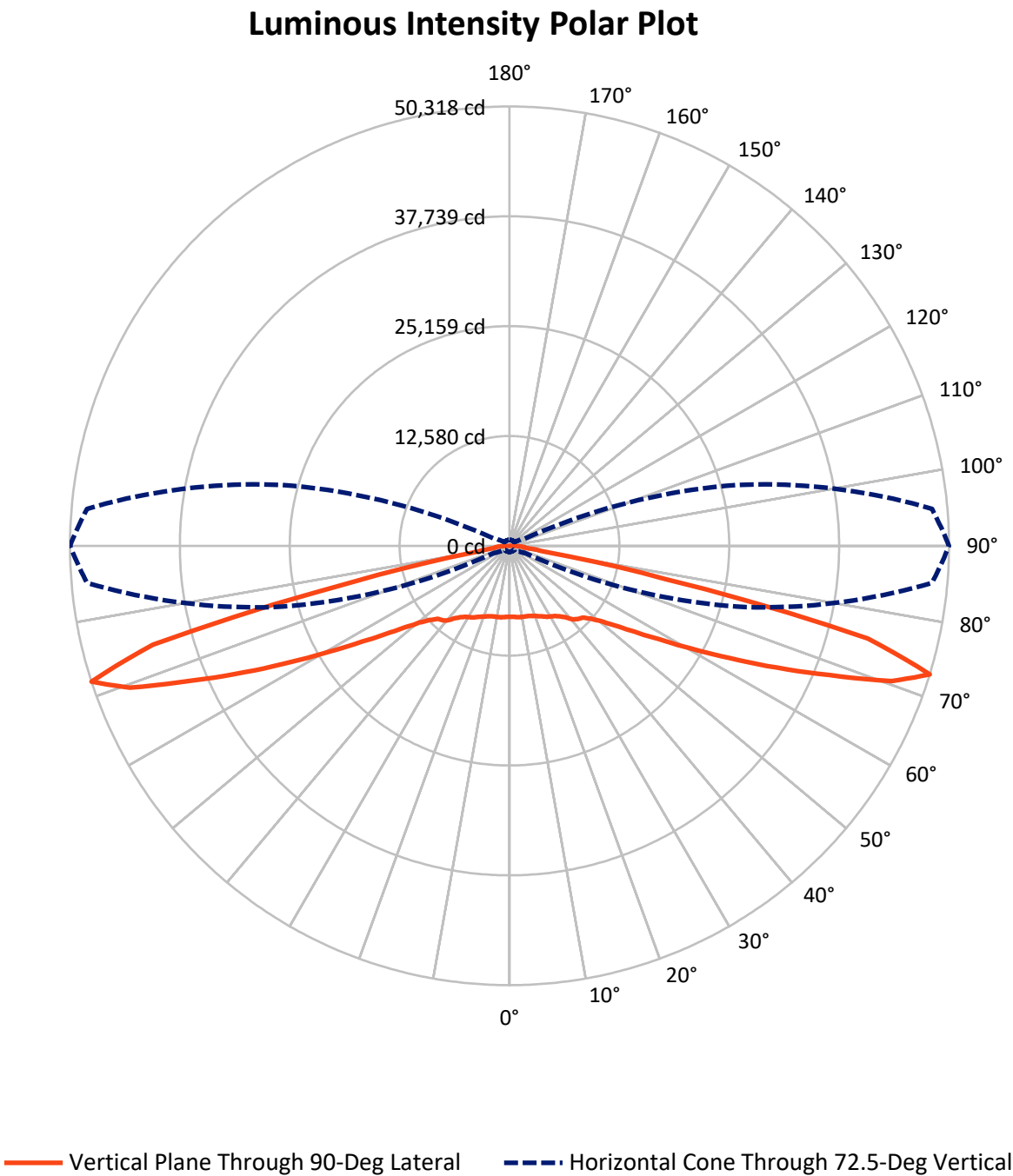
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21762.5	0.0	21762.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21762.5	0.0	21762.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43525.0	0.0	43525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.6	1.8
10°-20°	2411.2	5.5
20°-30°	4020.5	9.2
30°-40°	5529.5	12.7
40°-50°	6753.0	15.5
50°-60°	7810.5	17.9
60°-70°	9312.8	21.4
70°-80°	6499.7	14.9
80°-90°	399.2	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°	43525.0	100.0
0°-180°	43525.0	100.0

Coefficient of Utilization



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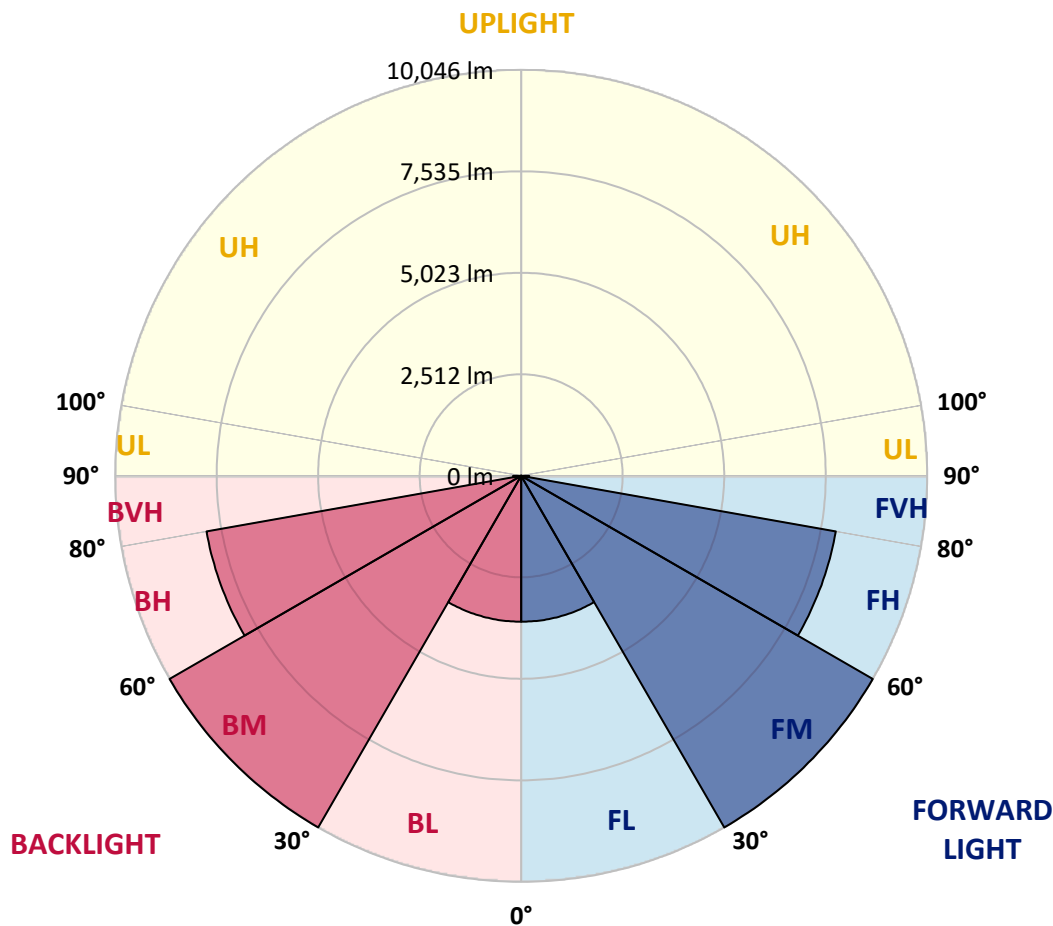
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3610.2	8.3			
FM	(30°-60°)	10046.5	23.1			
FH	(60°-80°)	7906.2	18.2			G4/12000
FVH	(80°-90°)	199.6	0.5			G2/225
BL	(0°-30°)	3610.2	8.3	B4/5000		
BM	(30°-60°)	10046.5	23.1	B5		
BH	(60°-80°)	7906.2	18.2	B5		G5
BVH	(80°-90°)	199.6	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°	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1	8133.1
2.5°	8140.0	8149.3	8149.3	8142.4	8158.6	8144.7	8144.7	8137.7	8144.7	8137.7	8137.7
5°	8181.7	8193.2	8197.9	8195.6	8216.4	8204.8	8204.8	8195.6	8197.9	8190.9	8190.9
7.5°	8260.3	8276.5	8285.8	8297.3	8327.4	8313.5	8304.3	8276.5	8265.0	8246.5	8246.5
10°	8285.8	8304.3	8334.4	8394.5	8463.9	8466.2	8438.4	8369.0	8315.8	8274.2	8267.3
12.5°	8207.1	8232.6	8295.0	8417.6	8572.6	8635.1	8591.1	8475.5	8371.4	8297.3	8285.8
15°	8107.7	8135.4	8230.3	8415.3	8644.3	8790.0	8785.4	8632.8	8466.2	8350.5	8332.0
17.5°	7952.7	7980.4	8116.9	8376.0	8699.8	8940.4	9005.2	8847.9	8614.2	8459.3	8433.8
20°	7672.8	7698.2	7887.9	8251.1	8718.3	9100.0	9268.9	9130.1	8838.6	8628.1	8588.8
22.5°	7309.6	7348.9	7571.0	8036.0	8674.4	9266.6	9569.6	9474.7	9100.0	8808.6	8755.3
25°	6921.0	6962.6	7221.7	7772.3	8561.0	9386.8	9925.8	9865.7	9396.1	9032.9	8958.9
27.5°	6585.6	6629.5	6911.8	7510.9	8385.2	9433.1	10277.4	10307.5	9754.6	9280.4	9201.8
30°	6321.9	6363.5	6664.2	7300.4	8158.6	9386.8	10585.1	10793.3	10120.1	9495.6	9382.2
32.5°	6032.7	6086.0	6402.9	7043.6	7890.2	9275.8	10853.4	11318.3	10543.4	9726.9	9583.5
35°	5667.3	5715.8	6048.9	6692.0	7538.6	9097.7	11077.8	11901.3	11149.5	10078.5	9918.9
37.5°	5223.1	5269.4	5600.2	6252.5	7189.3	8847.9	11248.9	12558.2	11871.2	10585.1	10372.3
40°	4776.7	4820.6	5130.6	5762.1	6770.6	8528.7	11309.1	13201.3	12699.3	11281.3	11054.6
42.5°	4367.3	4406.6	4691.1	5278.7	6301.1	8121.5	11230.4	13761.0	13441.8	11767.1	11475.6
45°	3990.2	4024.9	4277.1	4825.3	5813.0	7626.5	10994.5	14362.5	14325.5	12114.1	11720.8
47.5°	3560.0	3594.7	3856.1	4385.8	5324.9	7045.9	10594.3	14954.6	15553.8	12900.5	12447.2
50°	3034.9	3065.0	3333.3	3879.2	4818.3	6428.3	10039.2	15419.6	17103.6	14091.8	13522.8
52.5°	2412.6	2445.0	2706.4	3252.3	4216.9	5764.4	9308.2	15722.6	18894.0	15831.3	15130.4
55°	1795.0	1818.2	2044.8	2535.2	3472.1	5008.0	8392.2	15808.2	20924.9	18209.3	17332.6
57.5°	1302.3	1316.2	1461.9	1827.4	2632.4	4061.9	7279.5	15586.1	23342.2	21258.0	20154.7
60°	1054.8	1059.4	1103.4	1265.3	1829.7	2993.2	5935.6	14822.8	25965.3	25188.1	23797.9
62.5°	957.7	957.7	969.2	1013.2	1237.5	1975.4	4309.4	13240.6	28778.1	30154.5	28292.4
65°	890.6	890.6	895.2	916.0	976.2	1258.4	2720.3	10663.7	31149.1	35972.1	33617.3
67.5°	830.4	832.7	830.4	837.4	872.1	929.9	1577.6	7365.1	32426.0	42000.2	39458.1
70°	768.0	772.6	761.0	761.0	788.8	791.1	987.7	4038.8	31366.6	47052.2	46383.7
72.5°	694.0	700.9	682.4	677.8	698.6	689.3	742.5	1938.4	26929.9	48560.4	50318.4
75°	629.2	638.4	596.8	585.2	585.2	578.3	603.7	994.7	17478.3	39613.0	42370.3
77.5°	571.4	589.9	522.8	485.8	476.5	455.7	492.7	608.4	7645.0	18597.9	18211.6
80°	471.9	497.3	430.2	386.3	370.1	347.0	388.6	425.6	2273.8	4318.7	4135.9
82.5°	351.6	363.2	305.3	275.3	261.4	245.2	291.5	296.1	740.2	1529.0	1727.9
85°	224.4	229.0	187.4	161.9	155.0	148.0	185.1	161.9	282.2	1124.2	1633.1
87.5°	78.6	90.2	71.7	64.8	69.4	57.8	85.6	48.6	78.6	793.4	983.1
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)