

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: P941943

Luminaire Tested: **GALN-SB5D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941943
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-SB5D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42008 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 364.9
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



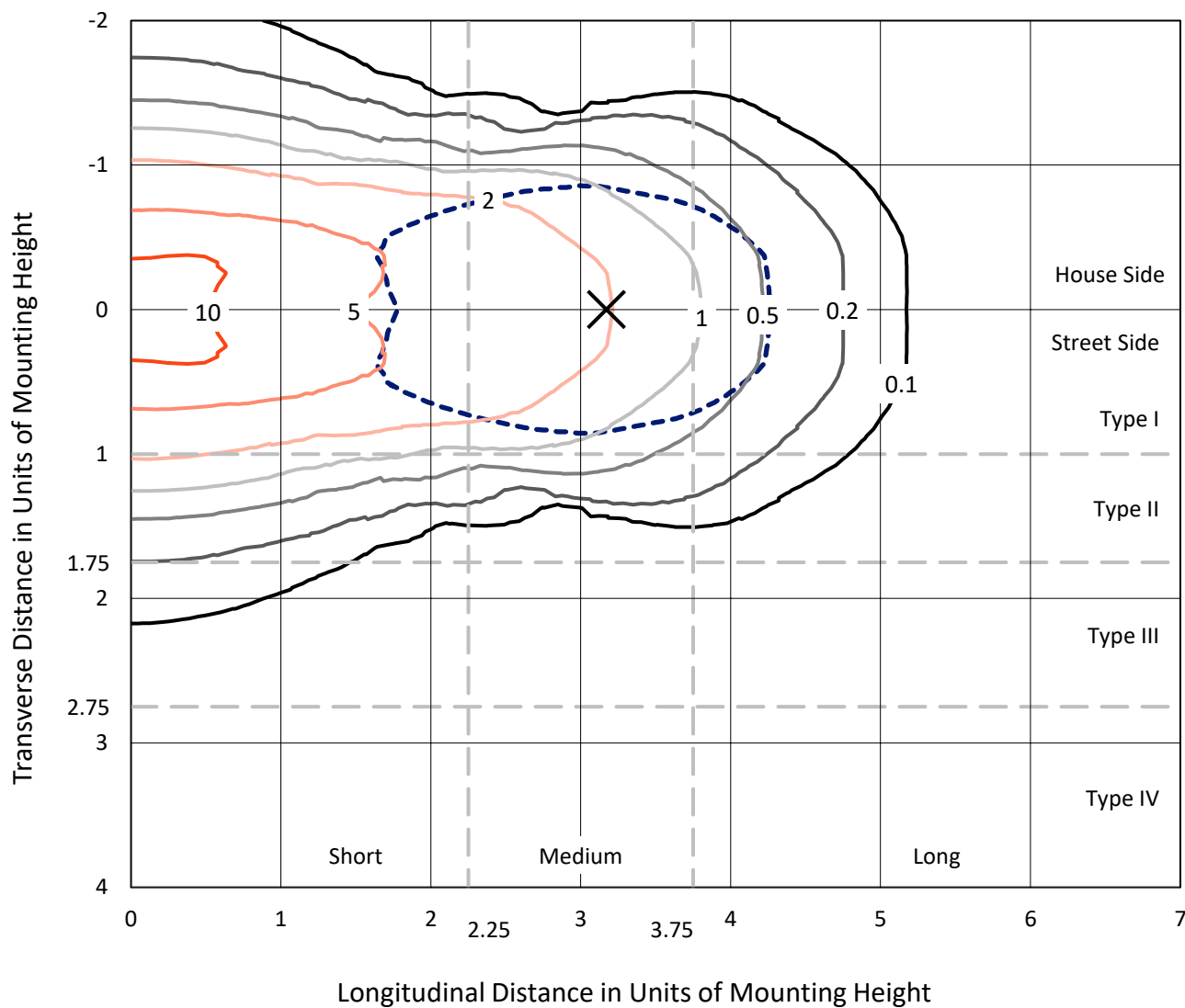
REPORT NUMBER: P941943

CATALOG NUMBER: GALN-SB5D-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

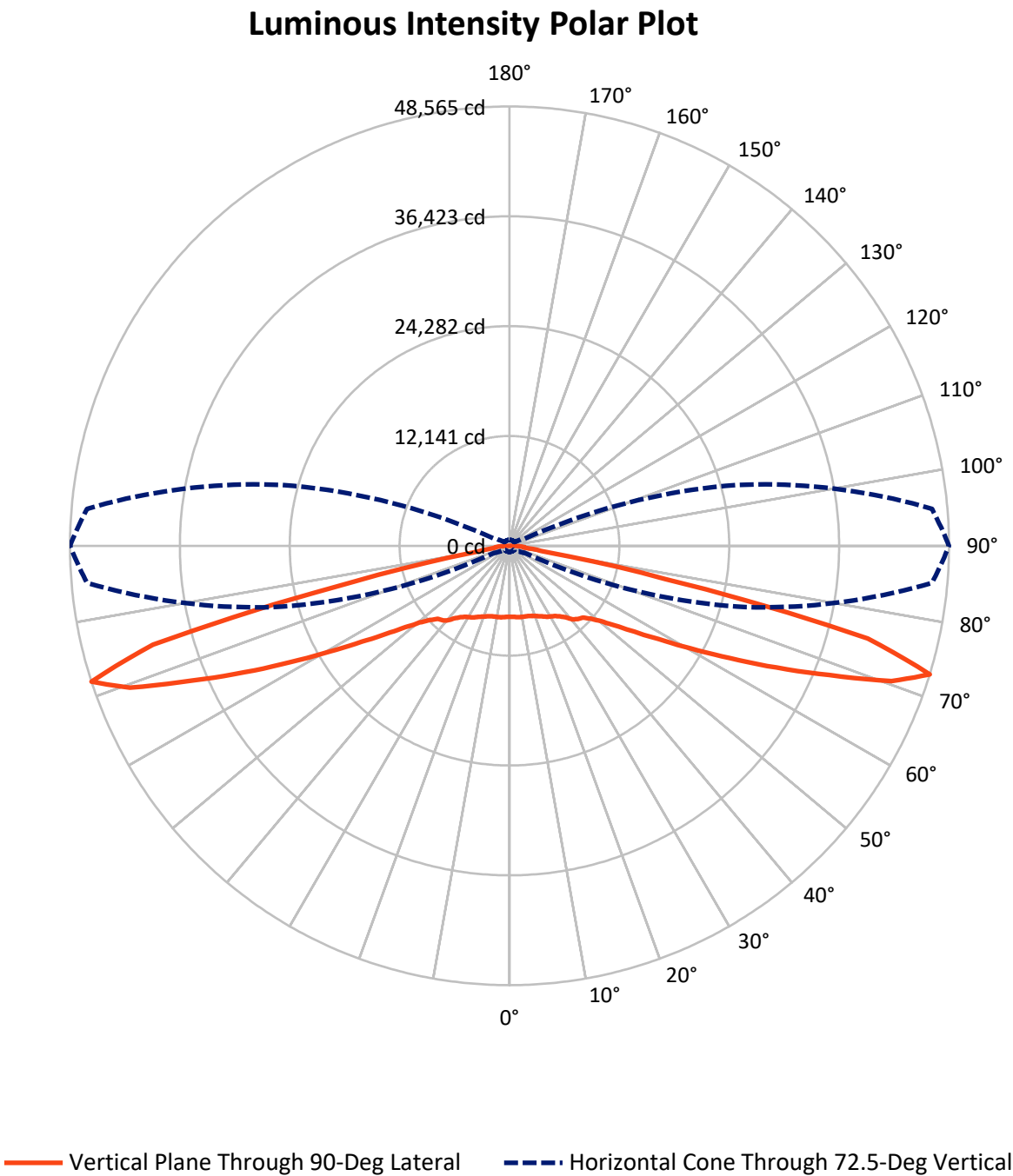
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type I - Short - N/A

REPORT NUMBER: P941943
CATALOG NUMBER: GALN-SB5D-722-U-T1



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21004.0	0.0	21004.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21004.0	0.0	21004.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42008.0	0.0	42008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.1	1.8
10°-20°	2327.2	5.5
20°-30°	3880.4	9.2
30°-40°	5336.7	12.7
40°-50°	6517.6	15.5
50°-60°	7538.3	17.9
60°-70°	8988.2	21.4
70°-80°	6273.2	14.9
80°-90°	385.3	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°	42008.0	100.0
0°-180°	42008.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941943

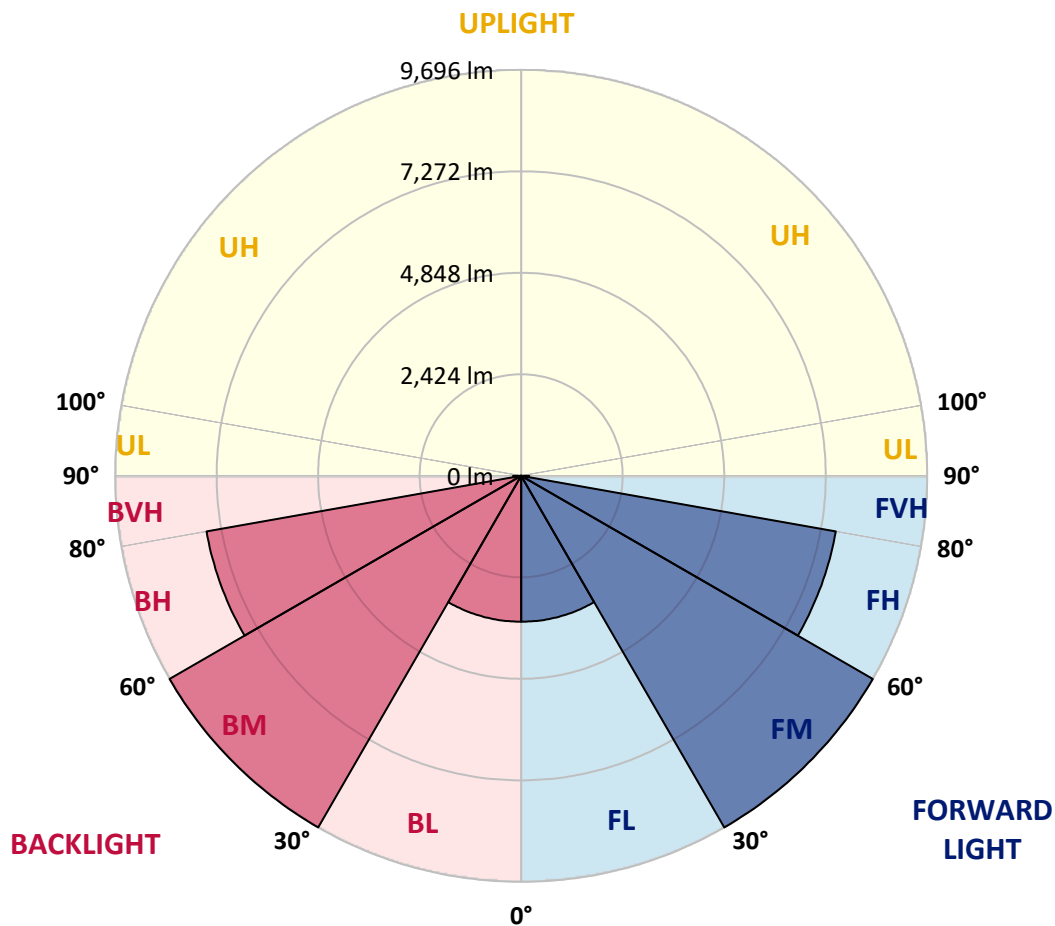
CATALOG NUMBER: GALN-SB5D-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3484.3	8.3			
FM	(30°-60°)	9696.3	23.1			
FH	(60°-80°)	7630.7	18.2			G4/12000
FVH	(80°-90°)	192.7	0.5			G2/225
BL	(0°-30°)	3484.3	8.3	B4/5000		
BM	(30°-60°)	9696.3	23.1	B5		
BH	(60°-80°)	7630.7	18.2	B5		G5
BVH	(80°-90°)	192.7	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



REPORT NUMBER: P941943

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6	7849.6
2.5°	7856.3	7865.3	7865.3	7858.6	7874.2	7860.8	7860.8	7854.1	7860.8	7854.1	7854.1
5°	7896.5	7907.7	7912.1	7909.9	7930.0	7918.8	7918.8	7909.9	7912.1	7905.5	7905.5
7.5°	7972.4	7988.1	7997.0	8008.1	8037.2	8023.8	8014.8	7988.1	7976.9	7959.0	7959.0
10°	7997.0	8014.8	8043.9	8101.9	8168.9	8171.1	8144.3	8077.4	8026.0	7985.8	7979.1
12.5°	7921.1	7945.6	8005.9	8124.2	8273.8	8334.1	8291.7	8180.1	8079.6	8008.1	7997.0
15°	7825.1	7851.9	7943.4	8122.0	8343.0	8483.7	8479.2	8331.9	8171.1	8059.5	8041.6
17.5°	7675.5	7702.3	7834.0	8084.1	8396.6	8628.8	8691.3	8539.5	8314.0	8164.4	8139.9
20°	7405.4	7429.9	7613.0	7963.5	8414.5	8782.8	8945.8	8811.9	8530.6	8327.4	8289.5
22.5°	7054.9	7092.8	7307.1	7755.9	8372.1	8943.6	9236.1	9144.5	8782.8	8501.5	8450.2
25°	6679.8	6720.0	6970.0	7501.4	8262.7	9059.7	9579.9	9521.8	9068.6	8718.1	8646.7
27.5°	6356.1	6398.5	6670.9	7249.1	8093.0	9104.3	9919.2	9948.2	9414.7	8957.0	8881.1
30°	6101.6	6141.7	6432.0	7045.9	7874.2	9059.7	10216.1	10417.1	9767.4	9164.6	9055.2
32.5°	5822.5	5873.8	6179.7	6798.1	7615.2	8952.5	10475.1	10923.9	10176.0	9387.9	9249.4
35°	5469.7	5516.6	5838.1	6458.8	7275.9	8780.6	10691.7	11486.5	10760.9	9727.2	9573.2
37.5°	5041.1	5085.7	5405.0	6034.6	6938.8	8539.5	10856.9	12120.5	11457.4	10216.1	10010.7
40°	4610.2	4652.6	4951.8	5561.3	6534.7	8231.4	10914.9	12741.2	12256.7	10888.1	10669.3
42.5°	4215.1	4253.0	4527.6	5094.7	6081.5	7838.5	10839.0	13281.4	12973.3	11357.0	11075.7
45°	3851.1	3884.6	4128.0	4657.1	5610.4	7360.7	10611.3	13861.9	13826.2	11691.9	11312.3
47.5°	3435.9	3469.4	3721.7	4232.9	5139.3	6800.3	10225.1	14433.4	15011.7	12450.9	12013.3
50°	2929.1	2958.1	3217.1	3744.0	4650.4	6204.3	9689.3	14882.2	16507.5	13600.7	13051.5
52.5°	2328.5	2359.8	2612.1	3139.0	4069.9	5563.5	8983.8	15174.6	18235.5	15279.6	14603.1
55°	1732.5	1754.8	1973.6	2446.9	3351.1	4833.5	8099.7	15257.2	20195.6	17574.6	16728.5
57.5°	1256.9	1270.3	1411.0	1763.7	2540.6	3920.4	7025.8	15042.9	22528.6	20517.1	19452.2
60°	1018.0	1022.5	1064.9	1221.2	1765.9	2888.9	5728.7	14306.2	25060.3	24310.2	22968.5
62.5°	924.3	924.3	935.4	977.9	1194.4	1906.6	4159.2	12779.1	27775.1	29103.5	27306.3
65°	859.5	859.5	864.0	884.1	942.1	1214.5	2625.5	10292.0	30063.5	34718.4	32445.6
67.5°	801.5	803.7	801.5	808.2	841.7	897.5	1522.6	7108.4	31295.9	40536.4	38082.8
70°	741.2	745.7	734.5	734.5	761.3	763.5	953.3	3898.0	30273.3	45412.3	44767.0
72.5°	669.8	676.5	658.6	654.1	674.2	665.3	716.6	1870.9	25991.3	46867.9	48564.6
75°	607.3	616.2	576.0	564.8	564.8	558.1	582.7	960.0	16869.1	38232.4	40893.6
77.5°	551.4	569.3	504.6	468.8	459.9	439.8	475.5	587.2	7378.6	17949.7	17576.8
80°	455.4	480.0	415.3	372.8	357.2	334.9	375.1	410.8	2194.6	4168.2	3991.8
82.5°	339.3	350.5	294.7	265.7	252.3	236.7	281.3	285.8	714.4	1475.7	1667.7
85°	216.6	221.0	180.8	156.3	149.6	142.9	178.6	156.3	272.4	1085.0	1576.2
87.5°	75.9	87.1	69.2	62.5	67.0	55.8	82.6	46.9	75.9	765.8	948.8
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)