

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: P940243

Luminaire Tested: **GALN-SB3B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940243
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-SB3B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 13807 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 109.2
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



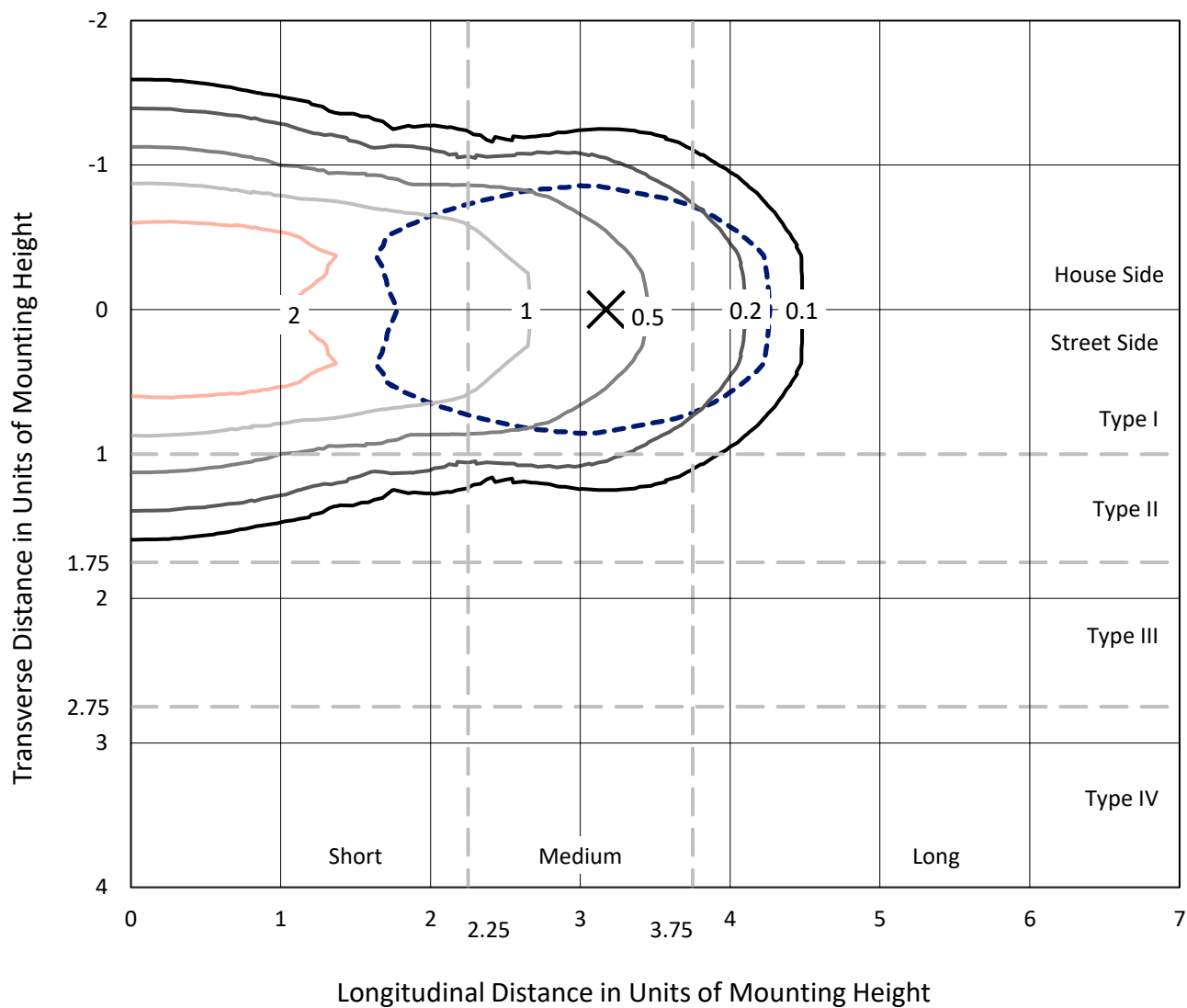
REPORT NUMBER: P940243

CATALOG NUMBER: GALN-SB3B-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

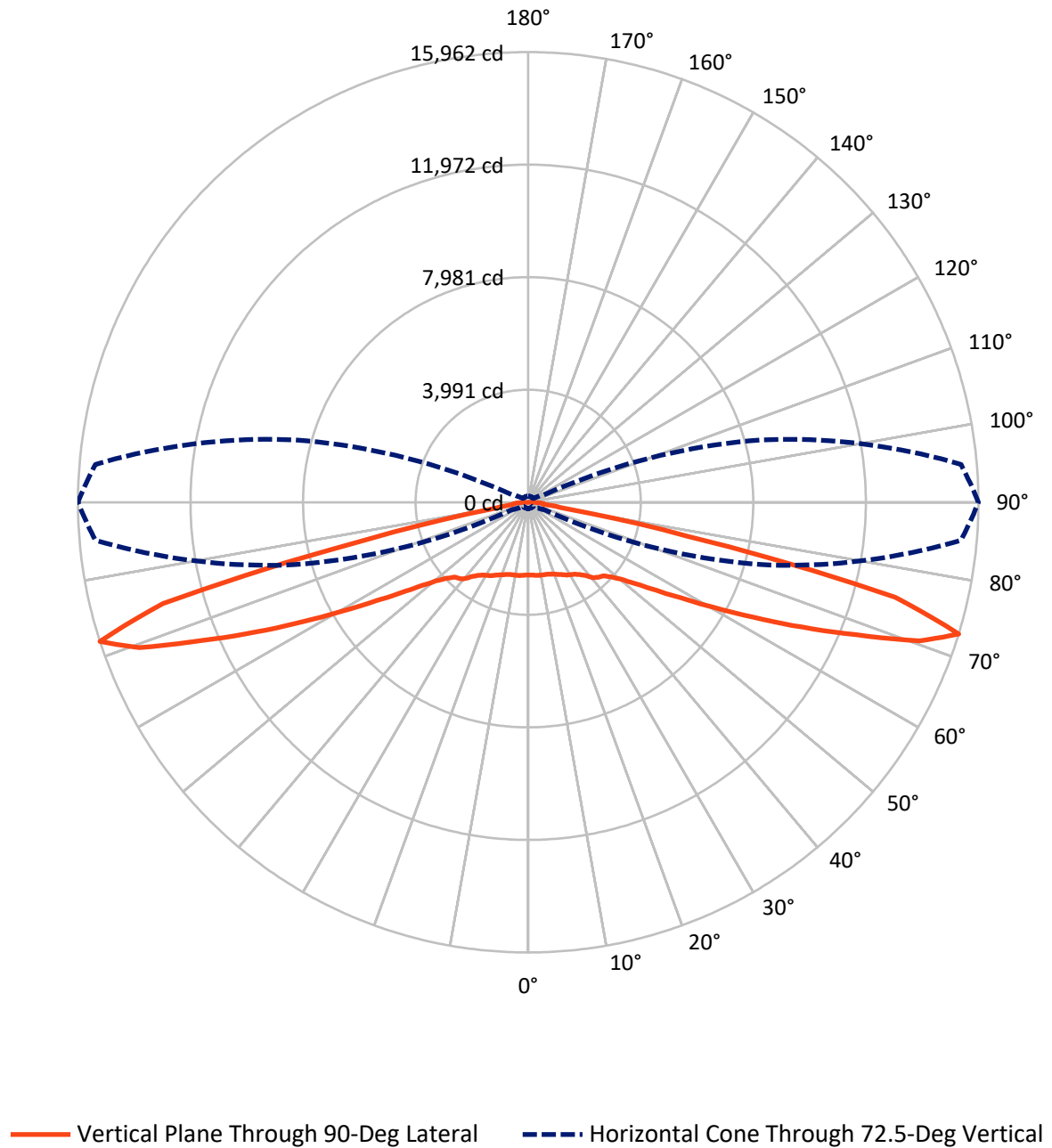


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type I - Short - N/A

REPORT NUMBER: P940243

CATALOG NUMBER: GALN-SB3B-722-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P940243

CATALOG NUMBER: GALN-SB3B-722-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6903.5	0.0	6903.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6903.5	0.0	6903.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13807.0	0.0	13807.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	1.8
10°-20°	764.9	5.5
20°-30°	1275.4	9.2
30°-40°	1754.1	12.7
40°-50°	2142.2	15.5
50°-60°	2477.7	17.9
60°-70°	2954.2	21.4
70°-80°	2061.8	14.9
80°-90°	126.6	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°	13807.0	100.0
0°-180°	13807.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940243

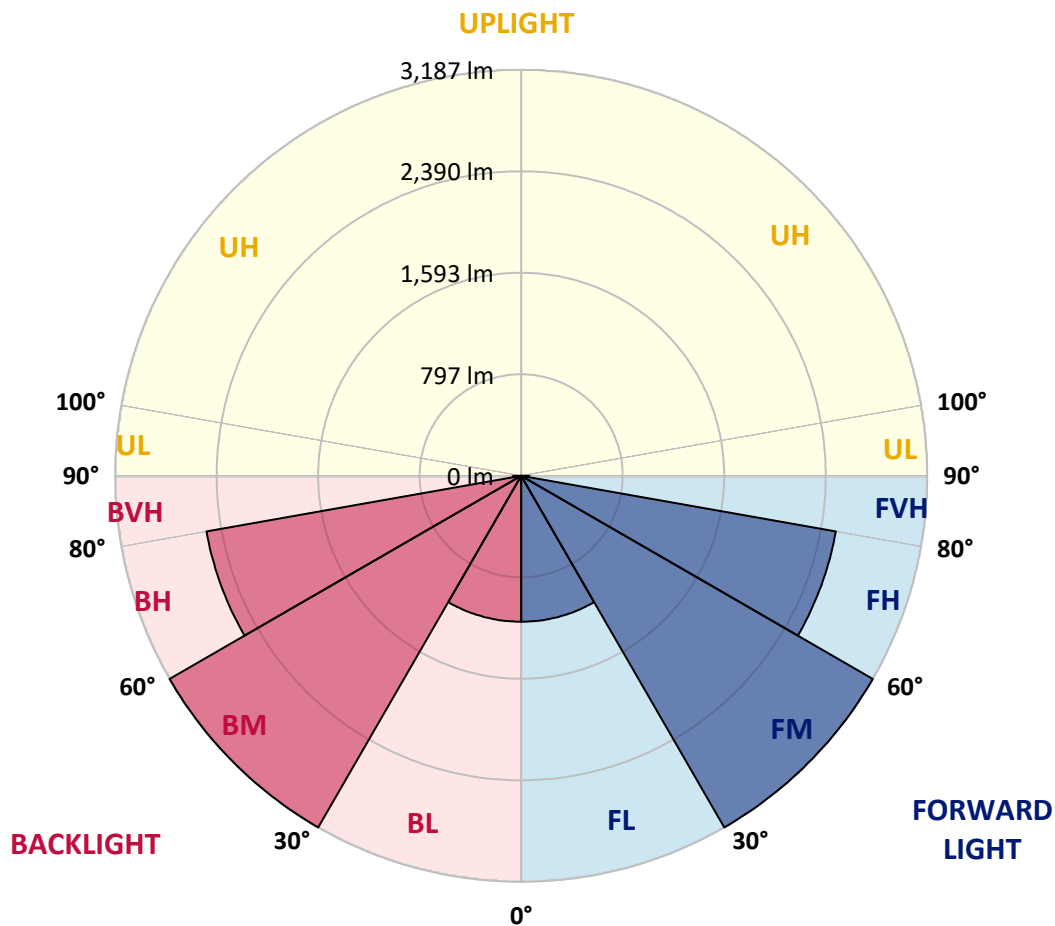
CATALOG NUMBER: GALN-SB3B-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1145.2	8.3			
FM	(30°-60°)	3186.9	23.1			
FH	(60°-80°)	2508.0	18.2			G2/5000
FVH	(80°-90°)	63.3	0.5			G1/100
BL	(0°-30°)	1145.2	8.3	B3/2500		
BM	(30°-60°)	3186.9	23.1	B3/5000		
BH	(60°-80°)	2508.0	18.2	B4/5000		G4/5000
BVH	(80°-90°)	63.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P940243

CATALOG NUMBER: GALN-SB3B-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0	2580.0
2.5°	2582.2	2585.1	2585.1	2582.9	2588.1	2583.7	2583.7	2581.5	2583.7	2581.5	2581.5
5°	2595.4	2599.1	2600.5	2599.8	2606.4	2602.7	2602.7	2599.8	2600.5	2598.3	2598.3
7.5°	2620.3	2625.5	2628.4	2632.1	2641.6	2637.2	2634.3	2625.5	2621.8	2615.9	2615.9
10°	2628.4	2634.3	2643.8	2662.9	2684.9	2685.6	2676.8	2654.8	2638.0	2624.7	2622.5
12.5°	2603.5	2611.5	2631.3	2670.2	2719.4	2739.2	2725.3	2688.6	2655.6	2632.1	2628.4
15°	2571.9	2580.7	2610.8	2669.5	2742.1	2788.4	2786.9	2738.5	2685.6	2649.0	2643.1
17.5°	2522.7	2531.6	2574.8	2657.0	2759.8	2836.1	2856.6	2806.7	2732.6	2683.4	2675.4
20°	2434.0	2442.0	2502.2	2617.4	2765.6	2886.7	2940.3	2896.2	2803.8	2737.0	2724.5
22.5°	2318.8	2331.2	2401.7	2549.2	2751.7	2939.5	3035.7	3005.6	2886.7	2794.2	2777.4
25°	2195.5	2208.7	2290.9	2465.5	2715.7	2977.7	3148.7	3129.6	2980.6	2865.4	2841.9
27.5°	2089.1	2103.0	2192.5	2382.6	2660.0	2992.4	3260.2	3269.7	3094.4	2943.9	2919.0
30°	2005.4	2018.6	2114.0	2315.8	2588.1	2977.7	3357.8	3423.8	3210.3	3012.2	2976.2
32.5°	1913.7	1930.6	2031.1	2234.4	2502.9	2942.5	3442.9	3590.4	3344.6	3085.6	3040.1
35°	1797.8	1813.2	1918.8	2122.8	2391.4	2886.0	3514.1	3775.3	3536.8	3197.1	3146.5
37.5°	1656.9	1671.6	1776.5	1983.4	2280.6	2806.7	3568.4	3983.7	3765.8	3357.8	3290.3
40°	1515.3	1529.2	1627.5	1827.9	2147.8	2705.5	3587.5	4187.7	4028.5	3578.7	3506.8
42.5°	1385.4	1397.9	1488.1	1674.5	1998.8	2576.3	3562.5	4365.3	4264.0	3732.8	3640.3
45°	1265.8	1276.8	1356.8	1530.7	1844.0	2419.3	3487.7	4556.1	4544.3	3842.8	3718.1
47.5°	1129.3	1140.3	1223.2	1391.3	1689.2	2235.1	3360.7	4743.9	4934.0	4092.3	3948.5
50°	962.7	972.3	1057.4	1230.6	1528.5	2039.2	3184.6	4891.4	5425.6	4470.2	4289.7
52.5°	765.3	775.6	858.5	1031.7	1337.7	1828.6	2952.7	4987.5	5993.5	5022.0	4799.7
55°	569.4	576.8	648.7	804.2	1101.4	1588.6	2662.2	5014.7	6637.8	5776.3	5498.2
57.5°	413.1	417.5	463.8	579.7	835.0	1288.5	2309.2	4944.2	7404.6	6743.5	6393.5
60°	334.6	336.1	350.0	401.4	580.4	949.5	1882.9	4702.1	8236.7	7990.2	7549.2
62.5°	303.8	303.8	307.5	321.4	392.6	626.7	1367.0	4200.2	9129.0	9565.6	8974.9
65°	282.5	282.5	284.0	290.6	309.7	399.2	862.9	3382.7	9881.1	11411.1	10664.1
67.5°	263.4	264.2	263.4	265.6	276.6	295.0	500.4	2336.4	10286.2	13323.3	12516.9
70°	243.6	245.1	241.4	241.4	250.2	251.0	313.3	1281.2	9950.1	14925.9	14713.8
72.5°	220.1	222.3	216.5	215.0	221.6	218.7	235.5	614.9	8542.7	15404.3	15962.0
75°	199.6	202.5	189.3	185.6	185.6	183.4	191.5	315.5	5544.5	12566.0	13440.7
77.5°	181.2	187.1	165.8	154.1	151.2	144.6	156.3	193.0	2425.2	5899.6	5777.1
80°	149.7	157.8	136.5	122.5	117.4	110.1	123.3	135.0	721.3	1370.0	1312.0
82.5°	111.5	115.2	96.9	87.3	82.9	77.8	92.5	93.9	234.8	485.0	548.1
85°	71.2	72.6	59.4	51.4	49.2	47.0	58.7	51.4	89.5	356.6	518.1
87.5°	24.9	28.6	22.7	20.5	22.0	18.3	27.1	15.4	24.9	251.7	311.9
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)