

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: P940413

Luminaire Tested: **GALN-SB3C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940413
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-SB3C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 18363 lumens
Efficiency: N/A
Efficacy: 123.2 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): 149.1
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

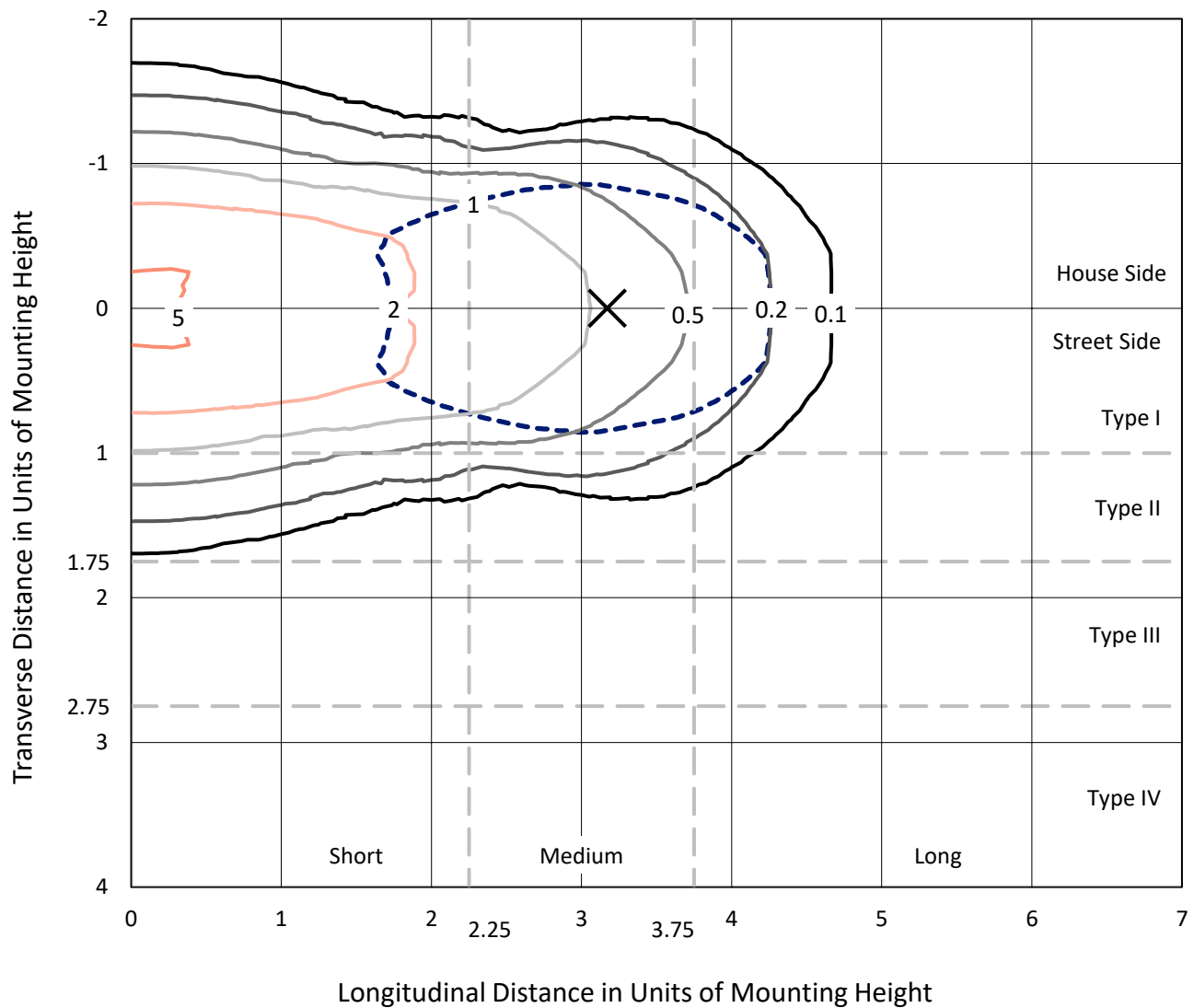


REPORT NUMBER: P940413

CATALOG NUMBER: GALN-SB3C-722-U-T1

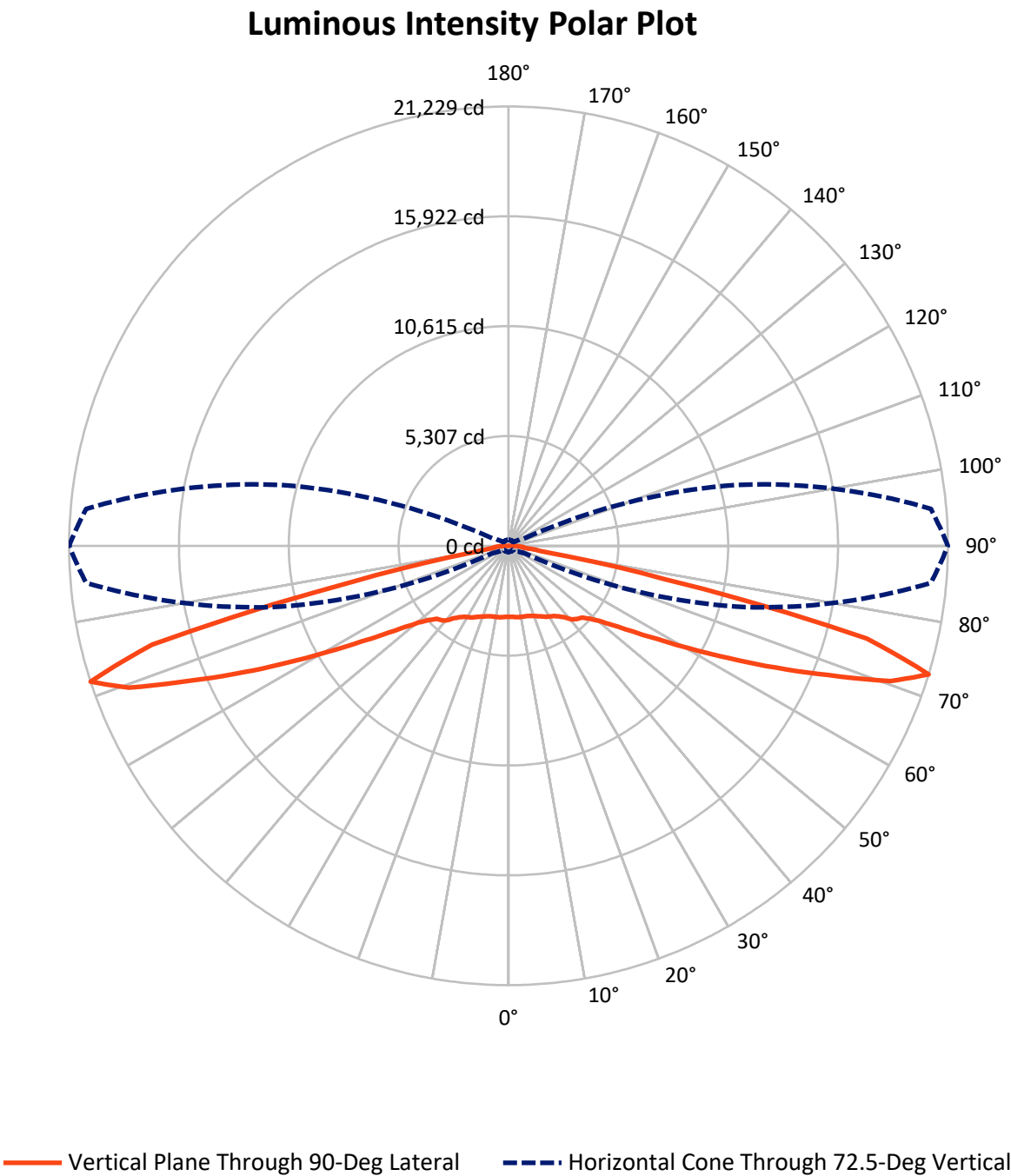
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type I - Short - N/A

REPORT NUMBER: P940413
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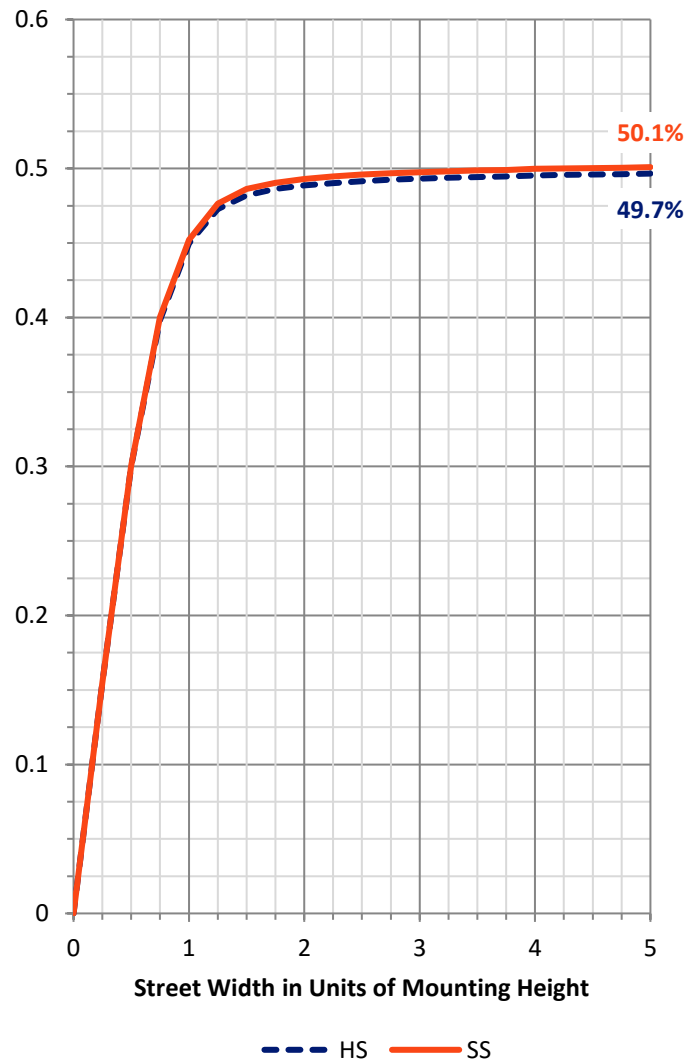
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9181.5	0.0	9181.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9181.5	0.0	9181.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18363.0	0.0	18363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	1.8
10°-20°	1017.3	5.5
20°-30°	1696.2	9.2
30°-40°	2332.9	12.7
40°-50°	2849.1	15.5
50°-60°	3295.2	17.9
60°-70°	3929.0	21.4
70°-80°	2742.2	14.9
80°-90°	168.4	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°	18363.0	100.0
0°-180°	18363.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940413

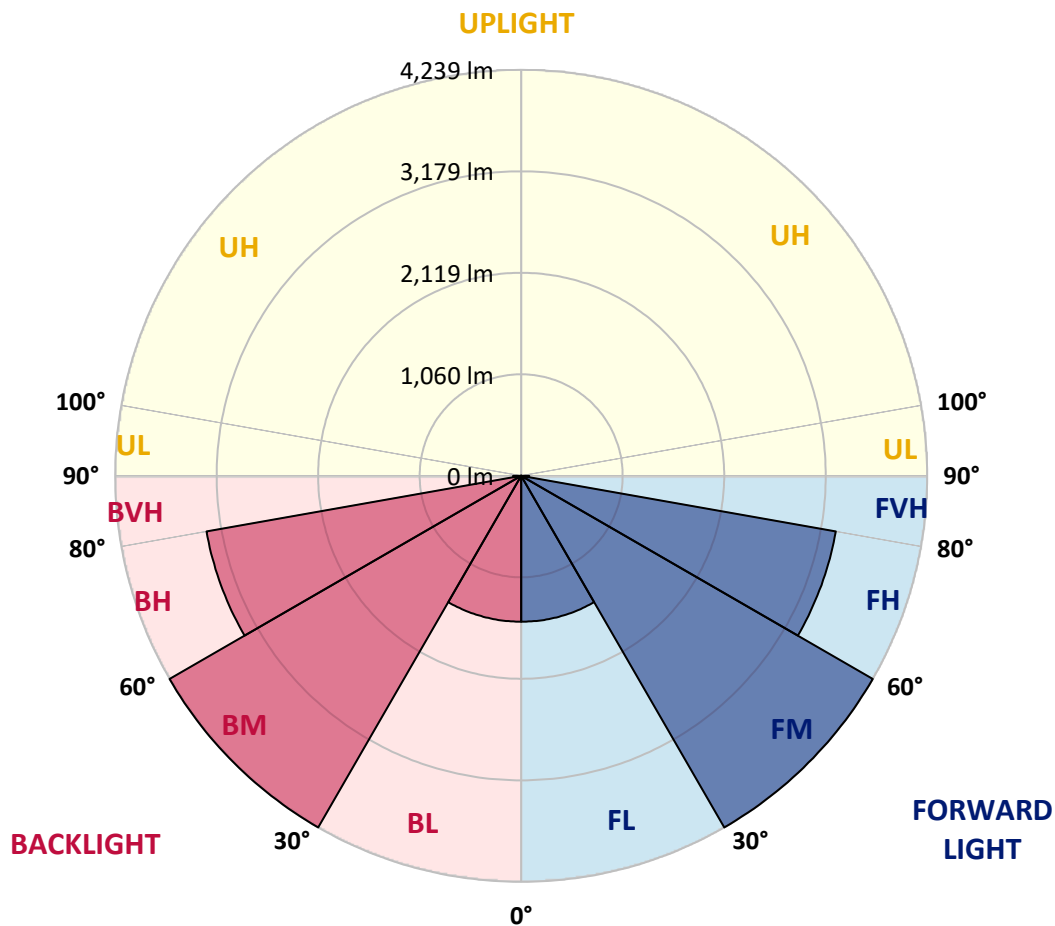
CATALOG NUMBER: GALN-SB3C-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1523.1	8.3			
FM	(30°-60°)	4238.6	23.1			
FH	(60°-80°)	3335.6	18.2			G2/5000
FVH	(80°-90°)	84.2	0.5			G1/100
BL	(0°-30°)	1523.1	8.3	B3/2500		
BM	(30°-60°)	4238.6	23.1	B3/5000		
BH	(60°-80°)	3335.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	84.2	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: P940413

CATALOG NUMBER: GALN-SB3C-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3
2.5°	3434.2	3438.2	3438.2	3435.2	3442.1	3436.2	3436.2	3433.3	3436.2	3433.3	3433.3
5°	3451.8	3456.7	3458.6	3457.7	3466.5	3461.6	3461.6	3457.7	3458.6	3455.7	3455.7
7.5°	3485.0	3491.8	3495.7	3500.6	3513.3	3507.4	3503.5	3491.8	3486.9	3479.1	3479.1
10°	3495.7	3503.5	3516.2	3541.6	3570.9	3571.9	3560.1	3530.9	3508.4	3490.9	3487.9
12.5°	3462.5	3473.3	3499.6	3551.4	3616.7	3643.1	3624.6	3575.8	3531.8	3500.6	3495.7
15°	3420.6	3432.3	3472.3	3550.4	3647.0	3708.5	3706.5	3642.1	3571.9	3523.1	3515.2
17.5°	3355.2	3366.9	3424.5	3533.8	3670.4	3771.9	3799.2	3732.9	3634.3	3568.9	3558.2
20°	3237.1	3247.8	3327.9	3481.1	3678.2	3839.3	3910.5	3851.9	3729.0	3640.2	3623.6
22.5°	3083.9	3100.5	3194.2	3390.3	3659.7	3909.5	4037.4	3997.4	3839.3	3716.3	3693.8
25°	2919.9	2937.5	3046.8	3279.1	3611.9	3960.3	4187.7	4162.3	3964.2	3811.0	3779.7
27.5°	2778.4	2797.0	2916.0	3168.8	3537.7	3979.8	4336.0	4348.7	4115.4	3915.4	3882.2
30°	2667.2	2684.7	2811.6	3080.0	3442.1	3960.3	4465.8	4553.6	4269.6	4006.1	3958.3
32.5°	2545.2	2567.6	2701.3	2971.7	3328.8	3913.4	4579.0	4775.2	4448.2	4103.7	4043.2
35°	2391.0	2411.5	2552.0	2823.3	3180.5	3838.3	4673.7	5021.1	4703.9	4252.1	4184.7
37.5°	2203.6	2223.1	2362.7	2637.9	3033.1	3732.9	4745.9	5298.2	5008.4	4465.8	4376.0
40°	2015.3	2033.8	2164.6	2431.0	2856.5	3598.2	4771.3	5569.6	5357.8	4759.5	4663.9
42.5°	1842.5	1859.1	1979.2	2227.0	2658.4	3426.4	4738.1	5805.7	5671.0	4964.5	4841.5
45°	1683.5	1698.1	1804.5	2035.8	2452.5	3217.6	4638.5	6059.5	6043.8	5110.9	4945.0
47.5°	1501.9	1516.6	1626.9	1850.3	2246.6	2972.6	4469.7	6309.3	6562.1	5442.7	5251.4
50°	1280.4	1293.1	1406.3	1636.6	2032.8	2712.1	4235.5	6505.5	7215.9	5945.3	5705.2
52.5°	1017.9	1031.5	1141.8	1372.1	1779.1	2432.0	3927.1	6633.3	7971.3	6679.2	6383.5
55°	757.3	767.1	862.7	1069.6	1464.8	2112.9	3540.6	6669.4	8828.1	7682.4	7312.5
57.5°	549.4	555.3	616.8	771.0	1110.6	1713.7	3071.2	6575.7	9848.0	8968.7	8503.2
60°	445.0	447.0	465.5	533.8	771.9	1262.8	2504.2	6253.7	10954.7	10626.7	10040.2
62.5°	404.0	404.0	408.9	427.5	522.1	833.4	1818.1	5586.1	12141.4	12722.0	11936.4
65°	375.7	375.7	377.7	386.5	411.8	530.9	1147.7	4499.0	13141.7	15176.5	14183.0
67.5°	350.4	351.3	350.4	353.3	367.9	392.3	665.6	3107.3	13680.4	17719.7	16647.2
70°	324.0	326.0	321.1	321.1	332.8	333.8	416.7	1703.9	13233.4	19851.1	19569.1
72.5°	292.8	295.7	287.9	285.9	294.7	290.8	313.3	817.8	11361.6	20487.4	21229.1
75°	265.4	269.4	251.8	246.9	246.9	244.0	254.7	419.6	7374.0	16712.6	17875.9
77.5°	241.1	248.9	220.6	204.9	201.0	192.3	207.9	256.7	3225.4	7846.4	7683.4
80°	199.1	209.8	181.5	163.0	156.1	146.4	164.0	179.6	959.3	1822.0	1744.9
82.5°	148.3	153.2	128.8	116.1	110.3	103.4	123.0	124.9	312.3	645.1	729.0
85°	94.7	96.6	79.0	68.3	65.4	62.5	78.1	68.3	119.1	474.3	689.0
87.5°	33.2	38.1	30.3	27.3	29.3	24.4	36.1	20.5	33.2	334.7	414.8
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)