

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: P953399

Luminaire Tested: **GALN-SB7A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27615 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 199.1
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

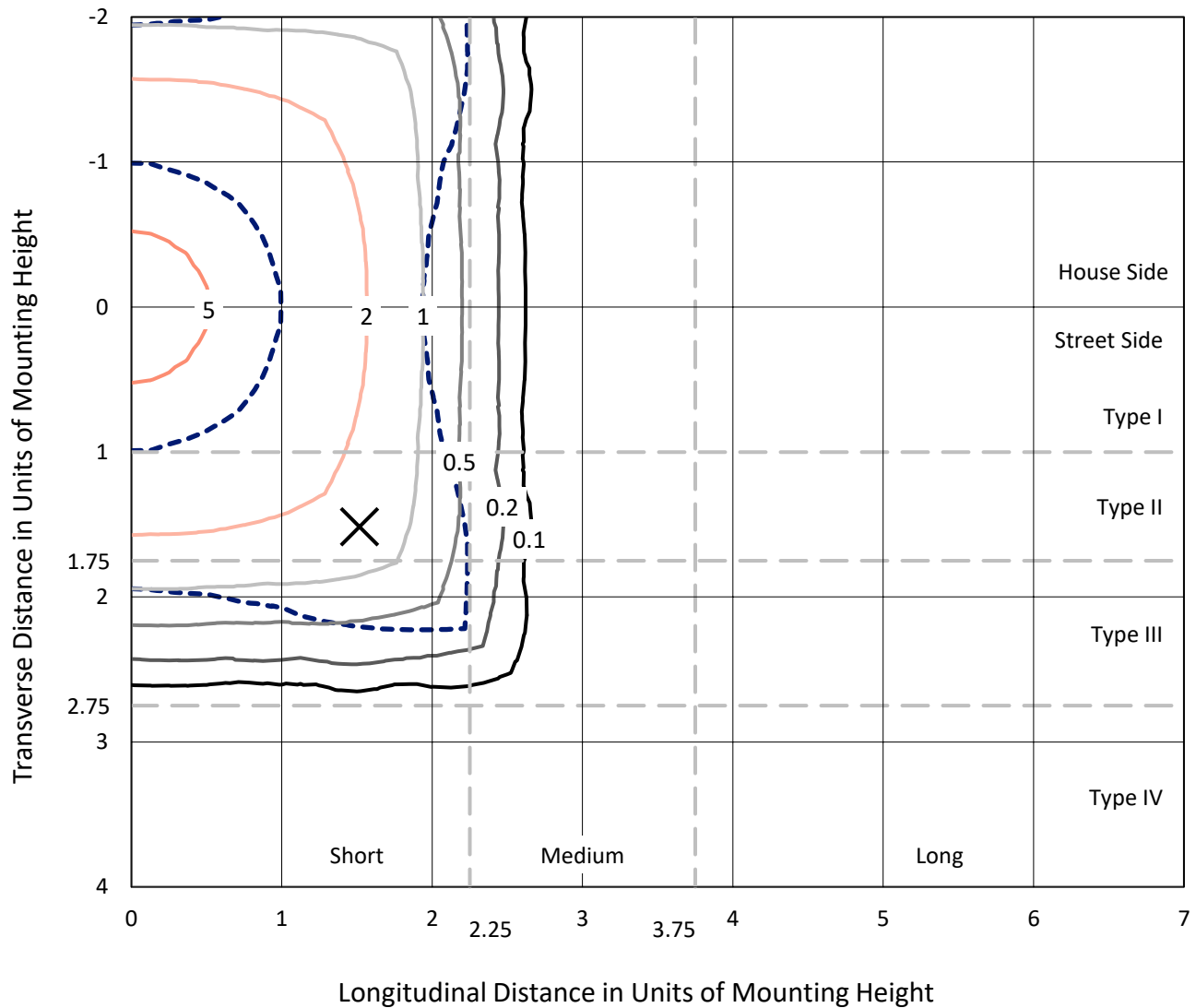


REPORT NUMBER: P953399

CATALOG NUMBER: GALN-SB7A-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

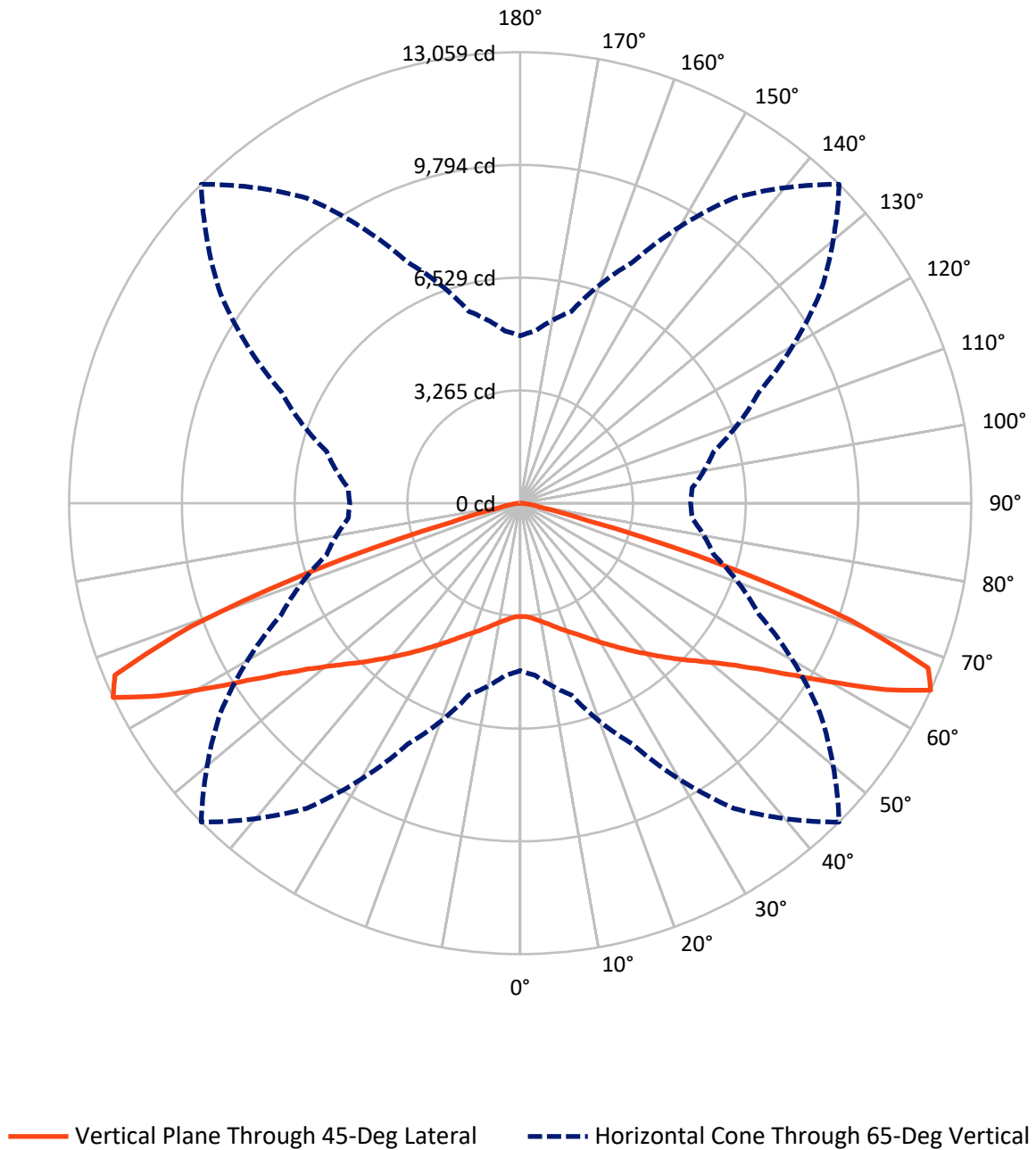


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P953399

CATALOG NUMBER: GALN-SB7A-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P953399

CATALOG NUMBER: GALN-SB7A-722-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13807.5	0.0	13807.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13807.5	0.0	13807.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27615.0	0.0	27615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	1.2
10°-20°	1058.4	3.8
20°-30°	1998.3	7.2
30°-40°	3272.1	11.8
40°-50°	5073.5	18.4
50°-60°	7494.6	27.1
60°-70°	7134.1	25.8
70°-80°	1151.2	4.2
80°-90°	108.5	0.4
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°	27615.0	100.0
0°-180°	27615.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953399

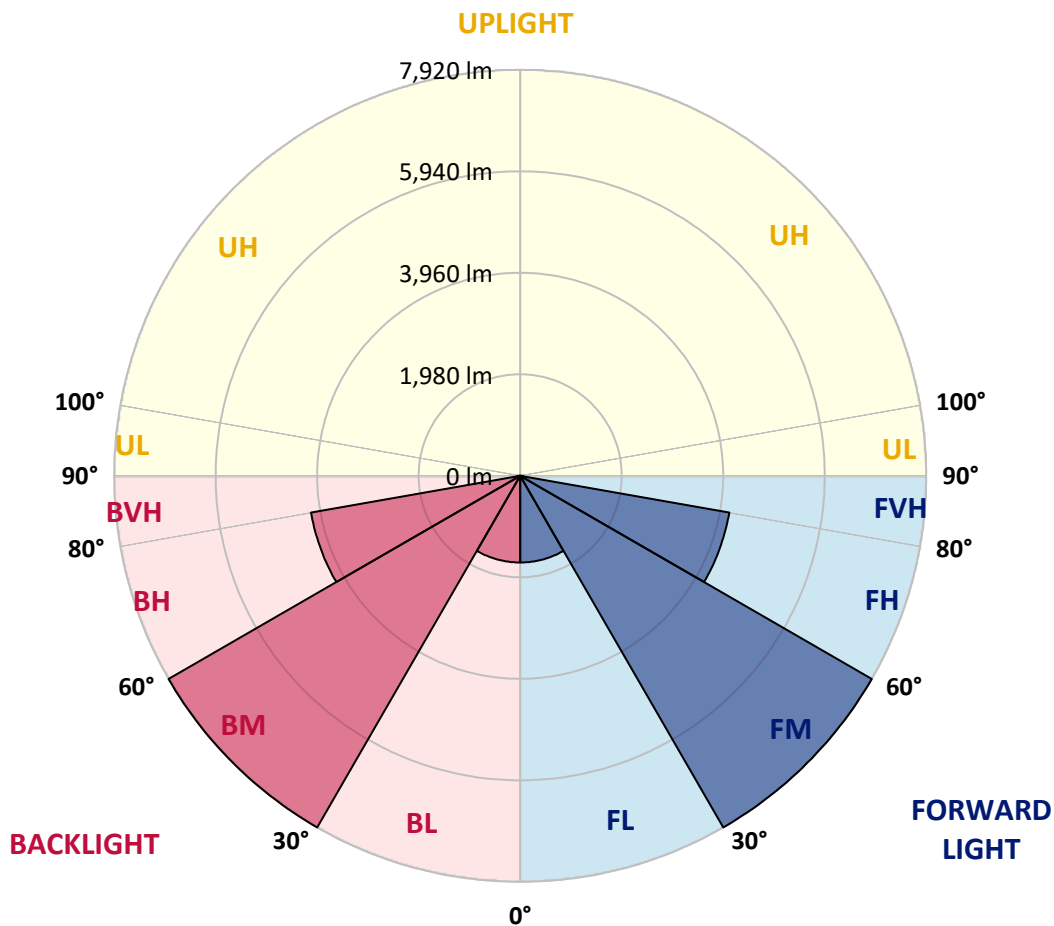
CATALOG NUMBER: GALN-SB7A-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1690.5	6.1			
FM	(30°-60°)	7920.1	28.7			
FH	(60°-80°)	4142.7	15.0			G2/5000
FVH	(80°-90°)	54.3	0.2			G1/100
BL	(0°-30°)	1690.5	6.1	B3/2500		
BM	(30°-60°)	7920.1	28.7	B4/8500		
BH	(60°-80°)	4142.7	15.0	B4/5000		G2/5000
BVH	(80°-90°)	54.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P953399

CATALOG NUMBER: GALN-SB7A-722-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5	3286.5
2.5°	3308.6	3297.5	3305.9	3298.9	3293.4	3287.8	3290.6	3300.3	3304.5	3305.9	3305.9
5°	3353.0	3343.3	3347.4	3347.4	3337.7	3335.0	3336.3	3343.3	3351.6	3351.6	3351.6
7.5°	3425.0	3415.3	3425.0	3419.5	3411.2	3408.4	3407.0	3412.5	3425.0	3425.0	3420.9
10°	3512.3	3501.2	3506.8	3504.0	3494.3	3490.1	3488.7	3497.1	3508.1	3506.8	3504.0
12.5°	3607.9	3595.4	3602.4	3594.0	3591.3	3587.1	3587.1	3585.7	3592.7	3587.1	3589.9
15°	3714.6	3706.3	3709.0	3703.5	3707.7	3704.9	3693.8	3688.3	3691.0	3682.7	3684.1
17.5°	3840.7	3821.3	3831.0	3828.2	3828.2	3833.7	3815.7	3808.8	3814.3	3806.0	3813.0
20°	3986.2	3966.8	3970.9	3965.4	3958.4	3964.0	3941.8	3947.4	3951.5	3946.0	3958.4
22.5°	4145.5	4120.5	4119.2	4121.9	4106.7	4108.1	4092.8	4106.7	4115.0	4099.8	4115.0
25°	4309.0	4282.7	4300.7	4293.7	4274.3	4278.5	4267.4	4281.3	4288.2	4268.8	4291.0
27.5°	4482.2	4464.2	4480.8	4484.9	4461.4	4478.0	4461.4	4473.9	4480.8	4451.7	4473.9
30°	4684.5	4666.4	4681.7	4692.8	4665.1	4691.4	4677.5	4685.8	4687.2	4652.6	4673.4
32.5°	4904.8	4877.0	4915.8	4921.4	4890.9	4922.8	4904.8	4915.8	4922.8	4875.7	4907.5
35°	5173.5	5138.9	5183.2	5176.3	5150.0	5176.3	5159.7	5176.3	5192.9	5136.1	5170.8
37.5°	5463.1	5427.1	5474.2	5461.7	5436.8	5454.8	5445.1	5456.2	5482.5	5421.6	5459.0
40°	5781.8	5737.5	5801.2	5779.0	5755.5	5752.7	5758.2	5765.2	5799.8	5731.9	5754.1
42.5°	6122.6	6075.5	6171.1	6136.5	6103.2	6081.1	6099.1	6112.9	6146.2	6070.0	6110.2
45°	6512.0	6457.9	6582.6	6541.1	6488.4	6442.7	6471.8	6492.6	6541.1	6449.6	6496.7
47.5°	6941.5	6880.5	7013.5	7001.0	6915.1	6815.4	6881.9	6941.5	6977.5	6866.7	6904.1
50°	7361.3	7314.2	7488.8	7504.0	7398.7	7258.8	7351.6	7441.6	7451.3	7305.9	7323.9
52.5°	7754.8	7707.7	7961.2	8056.8	7962.6	7796.3	7894.7	7986.2	7912.7	7724.3	7729.8
55°	8069.3	8030.5	8353.3	8599.9	8631.8	8494.6	8552.8	8550.1	8309.0	8019.4	8029.1
57.5°	8145.5	8139.9	8547.3	9069.6	9402.2	9418.8	9303.8	9010.1	8490.5	8101.2	8076.2
60°	7799.1	7833.7	8393.5	9314.9	10201.6	10570.2	10072.8	9234.5	8284.0	7743.7	7680.0
62.5°	6762.7	6854.2	7528.9	9015.6	10847.3	11894.7	10689.3	8893.7	7436.1	6730.9	6689.3
65°	4846.6	5005.9	5751.3	7693.8	10789.1	13058.6	10600.6	7631.5	5806.7	4993.4	4933.8
67.5°	2198.8	2360.9	2994.1	5267.8	9378.6	12742.7	9356.4	5323.2	3143.8	2369.2	2334.6
70°	796.7	824.4	1028.1	2108.8	5993.8	10153.1	6250.1	2124.0	1093.2	878.4	867.3
72.5°	482.2	486.3	529.3	755.1	2082.4	6164.2	2171.1	780.0	540.4	479.4	487.7
75°	306.2	303.4	376.9	461.4	738.5	2079.7	774.5	461.4	375.5	342.2	345.0
77.5°	220.3	227.2	270.2	345.0	465.5	705.2	457.2	329.8	270.2	221.7	225.8
80°	164.9	169.0	196.7	268.8	327.0	439.2	291.0	243.9	203.7	138.6	142.7
82.5°	119.2	119.2	128.9	195.4	199.5	236.9	157.9	171.8	134.4	98.4	98.4
85°	70.7	69.3	80.4	116.4	103.9	87.3	72.0	105.3	84.5	61.0	59.6
87.5°	24.9	26.3	24.9	33.3	27.7	23.6	22.2	29.1	23.6	20.8	19.4
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)