

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: P954113

Luminaire Tested: **GALN-SB7C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954113
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-SB7C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46104 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

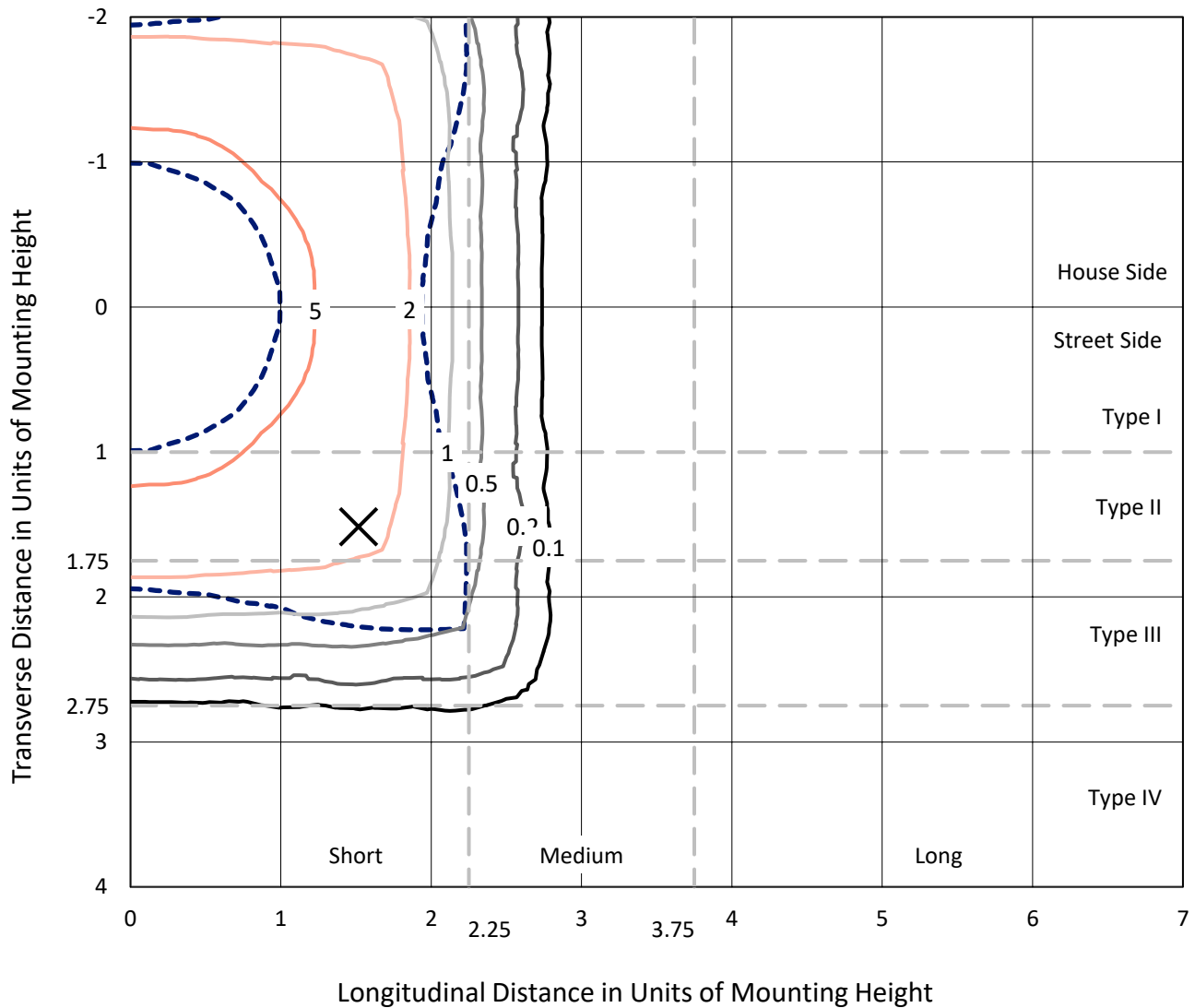


REPORT NUMBER: P954113

CATALOG NUMBER: GALN-SB7C-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

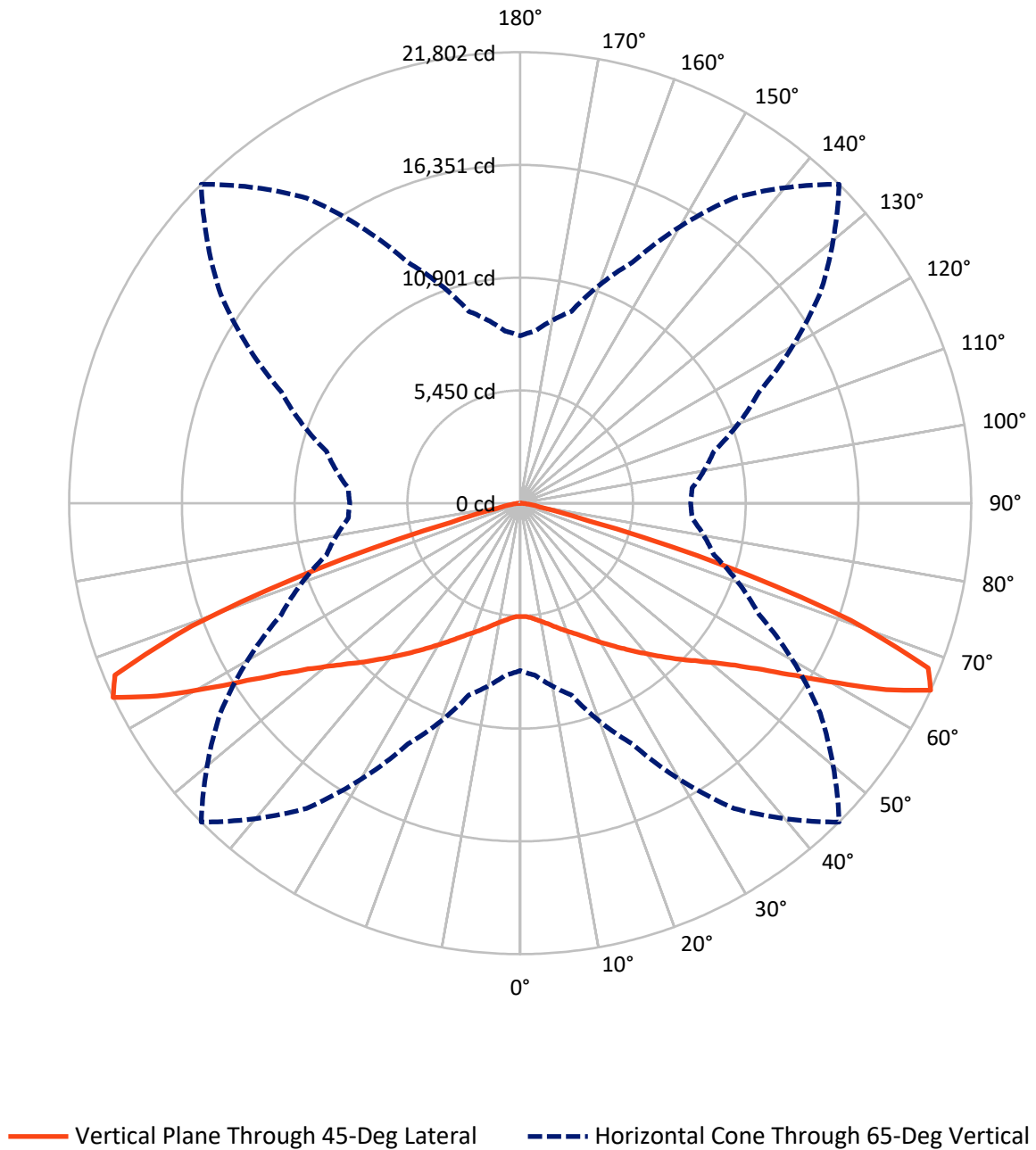


Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type V - Short - N/A

REPORT NUMBER: P954113

CATALOG NUMBER: GALN-SB7C-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P954113

CATALOG NUMBER: GALN-SB7C-722-U-5NQ

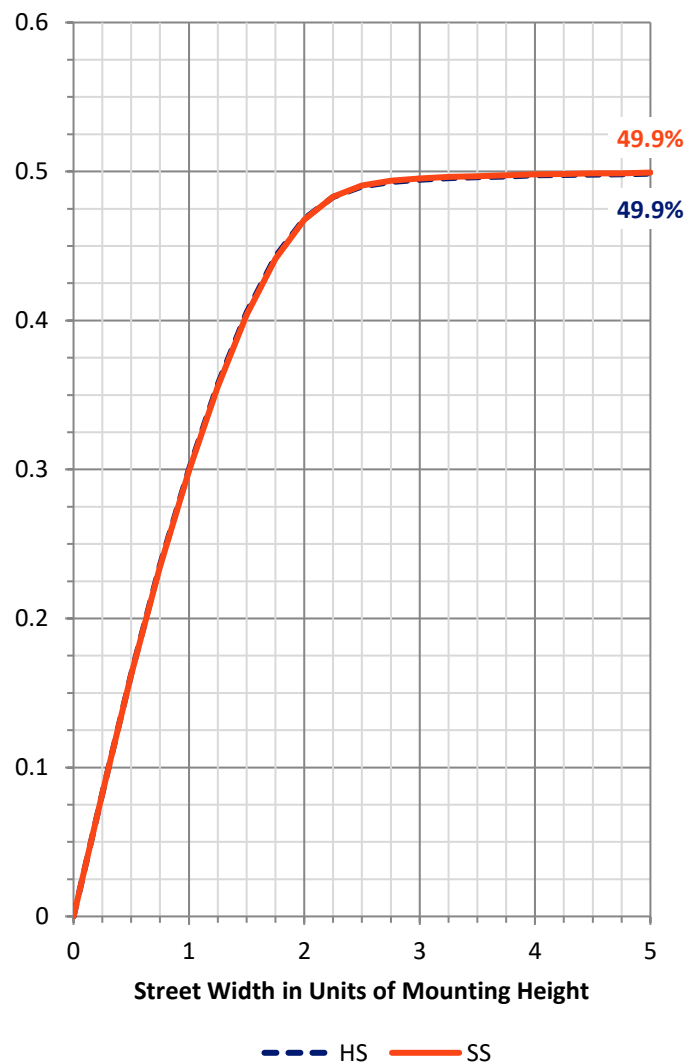
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23052.0	0.0	23052.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23052.0	0.0	23052.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46104.0	0.0	46104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.5	1.2
10°-20°	1767.0	3.8
20°-30°	3336.2	7.2
30°-40°	5462.9	11.8
40°-50°	8470.3	18.4
50°-60°	12512.4	27.1
60°-70°	11910.6	25.8
70°-80°	1921.9	4.2
80°-90°	181.2	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°	46104.0	100.0
0°-180°	46104.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954113

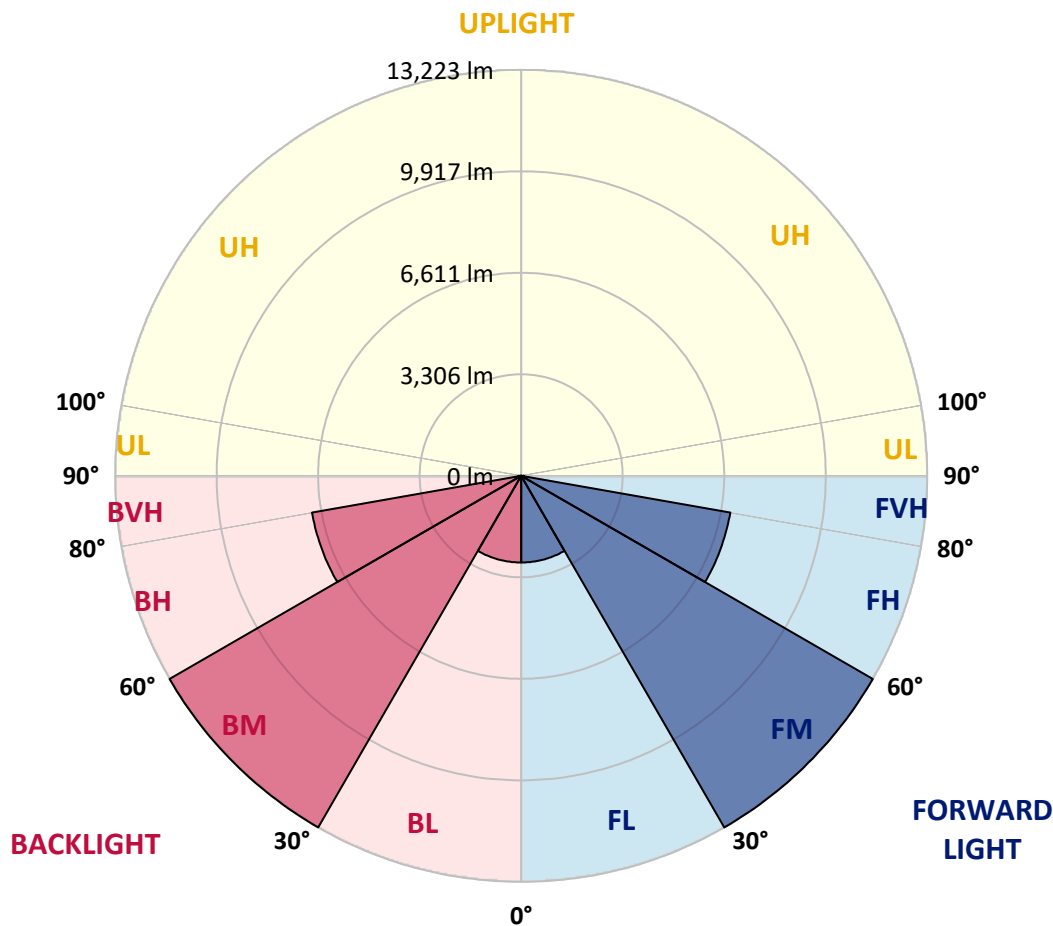
CATALOG NUMBER: GALN-SB7C-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2822.3	6.1			
FM	(30°-60°)	13222.8	28.7			
FH	(60°-80°)	6916.3	15.0			G3/7500
FVH	(80°-90°)	90.6	0.2			G1/100
BL	(0°-30°)	2822.3	6.1	B4/5000		
BM	(30°-60°)	13222.8	28.7	B5		
BH	(60°-80°)	6916.3	15.0	B5		G3/7500
BVH	(80°-90°)	90.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P954113

CATALOG NUMBER: GALN-SB7C-722-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8
2.5°	5523.8	5505.3	5519.2	5507.7	5498.4	5489.2	5493.8	5510.0	5516.9	5519.2	5519.2
5°	5597.9	5581.7	5588.6	5588.6	5572.4	5567.8	5570.1	5581.7	5595.6	5595.6	5595.6
7.5°	5718.2	5702.0	5718.2	5708.9	5695.0	5690.4	5688.1	5697.3	5718.2	5718.2	5711.2
10°	5863.9	5845.4	5854.6	5850.0	5833.8	5826.9	5824.6	5838.4	5856.9	5854.6	5850.0
12.5°	6023.5	6002.7	6014.2	6000.4	5995.7	5988.8	5988.8	5986.5	5998.0	5988.8	5993.4
15°	6201.6	6187.7	6192.4	6183.1	6190.0	6185.4	6166.9	6157.7	6162.3	6148.4	6150.7
17.5°	6412.1	6379.7	6395.9	6391.3	6391.3	6400.5	6370.5	6358.9	6368.2	6354.3	6365.8
20°	6655.0	6622.6	6629.5	6620.3	6608.7	6618.0	6581.0	6590.2	6597.2	6587.9	6608.7
22.5°	6921.0	6879.4	6877.1	6881.7	6856.2	6858.5	6833.1	6856.2	6870.1	6844.7	6870.1
25°	7194.0	7150.0	7180.1	7168.5	7136.1	7143.1	7124.6	7147.7	7159.3	7126.9	7163.9
27.5°	7483.1	7453.0	7480.8	7487.7	7448.4	7476.2	7448.4	7469.2	7480.8	7432.2	7469.2
30°	7820.8	7790.8	7816.2	7834.7	7788.4	7832.4	7809.3	7823.1	7825.5	7767.6	7802.3
32.5°	8188.6	8142.4	8207.1	8216.4	8165.5	8218.7	8188.6	8207.1	8218.7	8140.0	8193.2
35°	8637.4	8579.5	8653.6	8642.0	8598.0	8642.0	8614.2	8642.0	8669.8	8574.9	8632.7
37.5°	9120.8	9060.7	9139.3	9118.5	9076.9	9106.9	9090.8	9109.3	9153.2	9051.4	9113.9
40°	9652.9	9578.8	9685.2	9648.2	9608.9	9604.3	9613.5	9625.1	9682.9	9569.6	9606.6
42.5°	10221.9	10143.2	10302.9	10245.0	10189.5	10152.5	10182.6	10205.7	10261.2	10134.0	10201.1
45°	10871.9	10781.7	10989.9	10920.5	10832.6	10756.2	10804.8	10839.5	10920.5	10767.8	10846.4
47.5°	11589.0	11487.2	11709.3	11688.4	11545.0	11378.5	11489.5	11589.0	11649.1	11464.1	11526.5
50°	12289.9	12211.2	12502.7	12528.1	12352.3	12118.7	12273.7	12424.0	12440.2	12197.3	12227.4
52.5°	12946.8	12868.2	13291.5	13451.1	13293.8	13016.2	13180.4	13333.1	13210.5	12895.9	12905.2
55°	13471.9	13407.1	13946.1	14357.8	14411.0	14182.0	14279.2	14274.6	13872.1	13388.6	13404.8
57.5°	13599.1	13589.9	14269.9	15142.0	15697.2	15724.9	15532.9	15042.5	14175.1	13525.1	13483.5
60°	13020.8	13078.7	14013.2	15551.4	17031.9	17647.2	16816.7	15417.3	13830.4	12928.3	12821.9
62.5°	11290.6	11443.2	12569.8	15051.8	18109.8	19858.6	17846.1	14848.2	12414.8	11237.4	11168.0
65°	8091.5	8357.5	9602.0	12845.0	18012.6	21801.6	17698.1	12740.9	9694.5	8336.7	8237.2
67.5°	3671.0	3941.6	4998.8	8794.7	15657.8	21274.2	15620.8	8887.2	5248.6	3955.5	3897.7
70°	1330.1	1376.3	1716.4	3520.6	10006.8	16950.9	10434.7	3546.1	1825.1	1466.5	1448.0
72.5°	805.0	811.9	883.6	1260.7	3476.7	10291.3	3624.7	1302.3	902.1	800.4	814.2
75°	511.2	506.6	629.2	770.3	1232.9	3472.1	1293.1	770.3	626.9	571.4	576.0
77.5°	367.8	379.4	451.1	576.0	777.2	1177.4	763.3	550.5	451.1	370.1	377.0
80°	275.3	282.2	328.5	448.8	545.9	733.3	485.8	407.1	340.0	231.3	238.3
82.5°	198.9	198.9	215.1	326.2	333.1	395.6	263.7	286.8	224.4	164.2	164.2
85°	118.0	115.7	134.2	194.3	173.5	145.7	120.3	175.8	141.1	101.8	99.5
87.5°	41.6	44.0	41.6	55.5	46.3	39.3	37.0	48.6	39.3	34.7	32.4
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)