

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: P954116

Luminaire Tested: **GALN-SB7C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45306 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

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

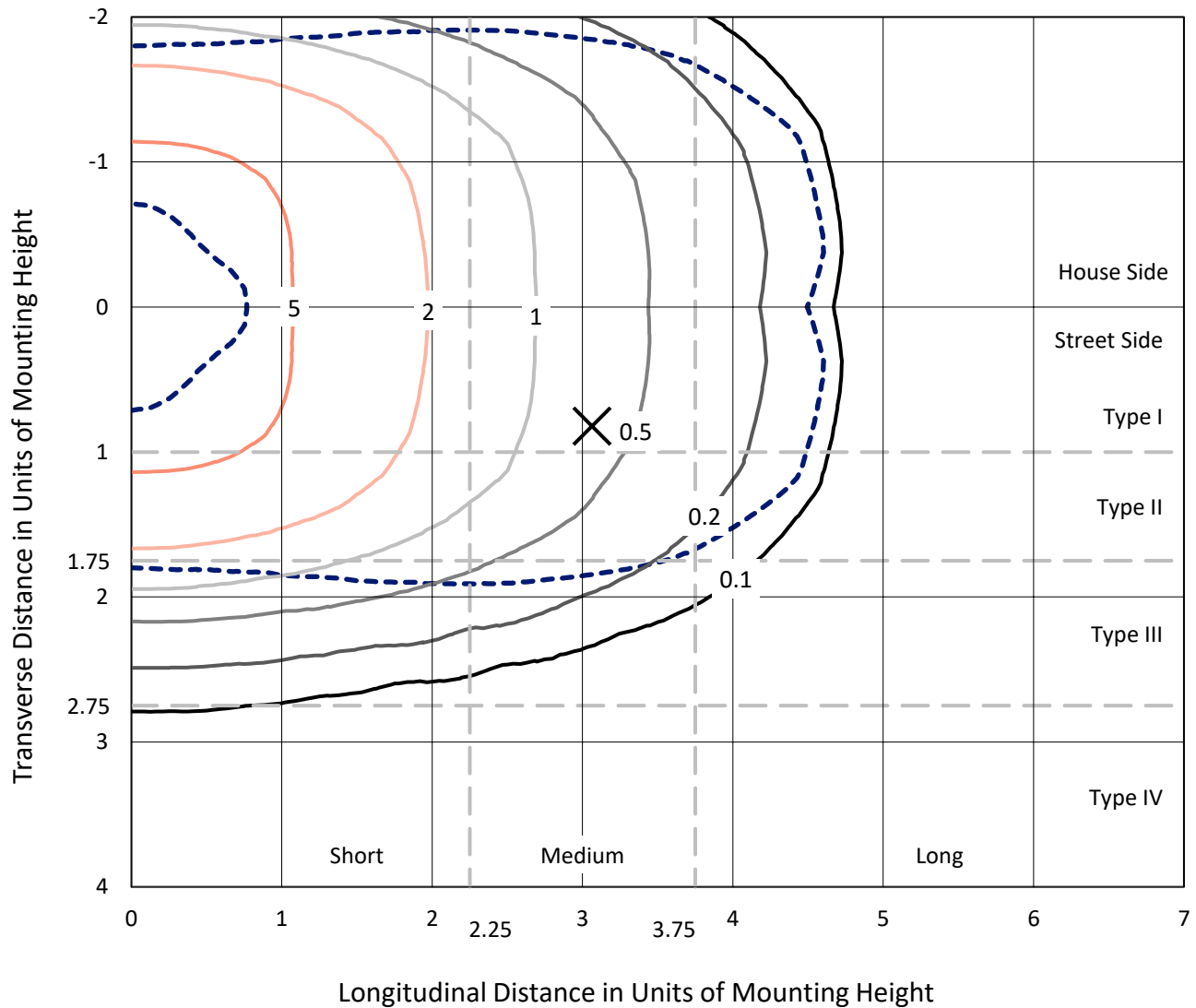


REPORT NUMBER: P954116

CATALOG NUMBER: GALN-SB7C-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

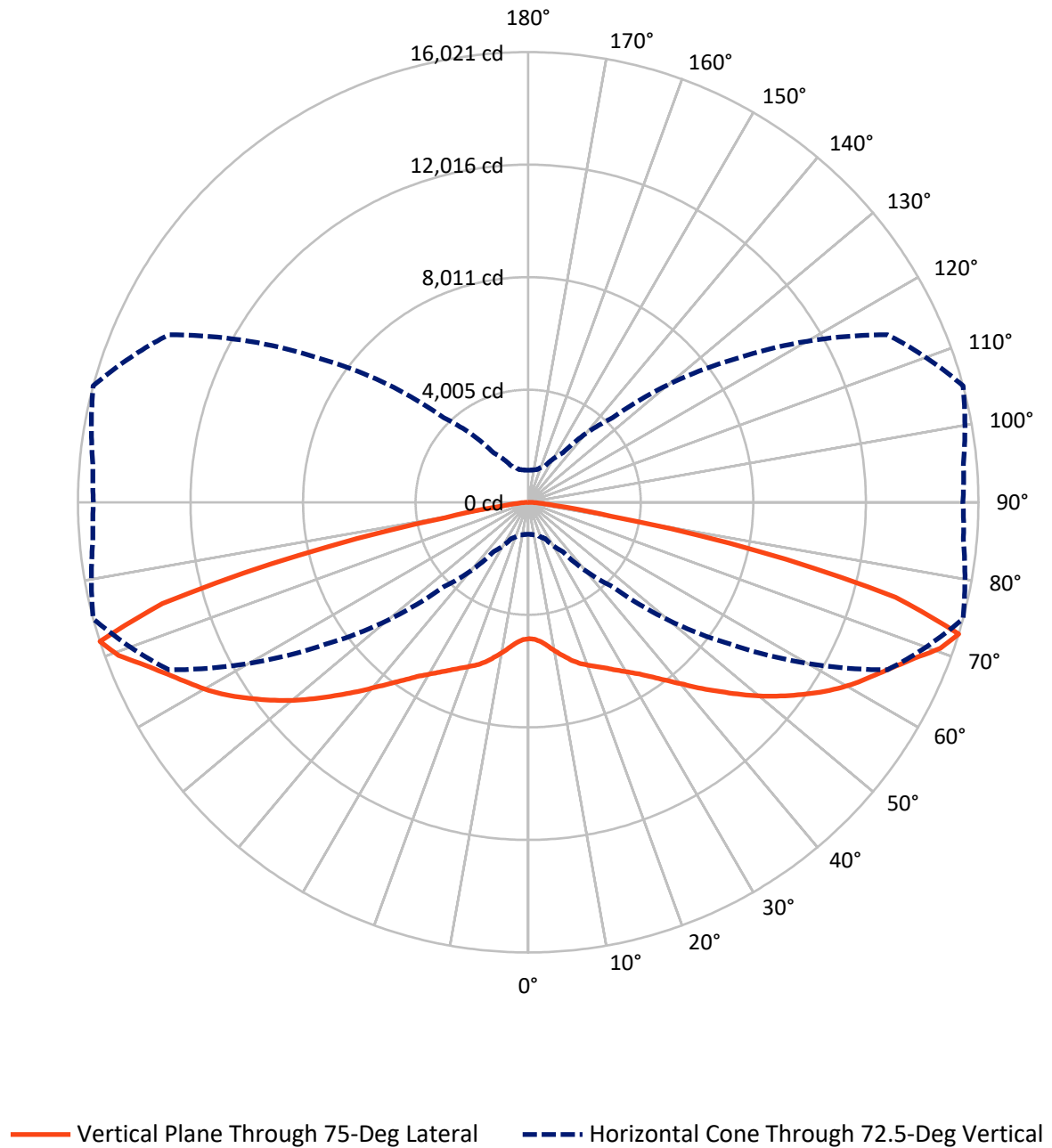


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Medium - N/A

REPORT NUMBER: P954116

CATALOG NUMBER: GALN-SB7C-722-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P954116

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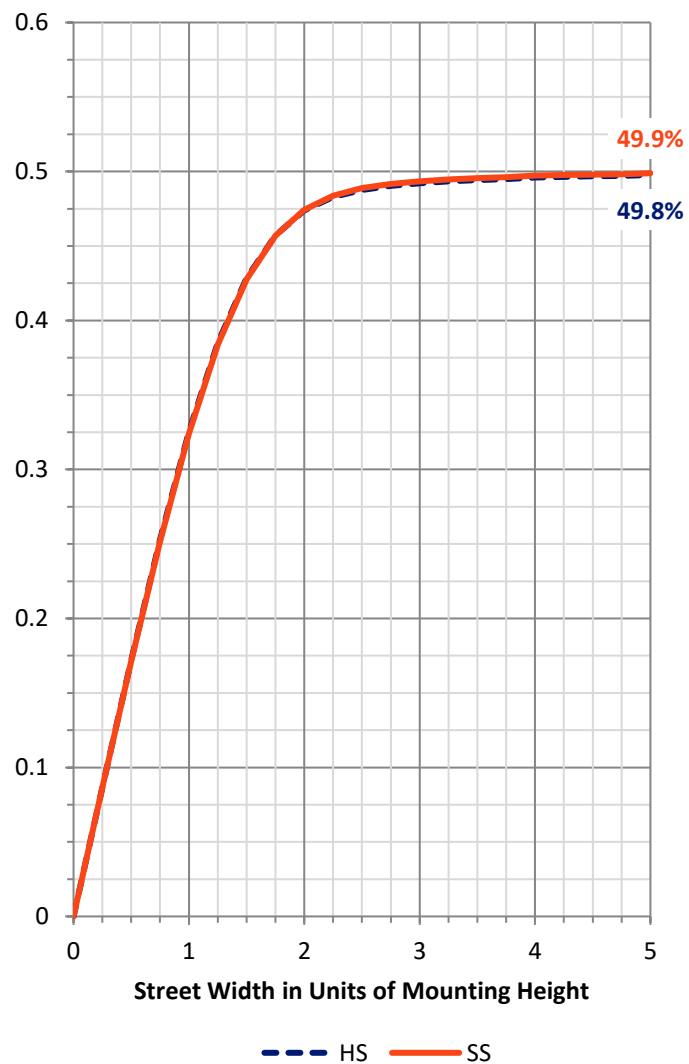
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22653.0	0.0	22653.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22653.0	0.0	22653.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45306.0	0.0	45306.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	1.0
10°-20°	1568.0	3.5
20°-30°	3029.8	6.7
30°-40°	5116.0	11.3
40°-50°	8113.3	17.9
50°-60°	10862.8	24.0
60°-70°	10337.9	22.8
70°-80°	5394.5	11.9
80°-90°	408.3	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°	45306.0	100.0
0°-180°	45306.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954116

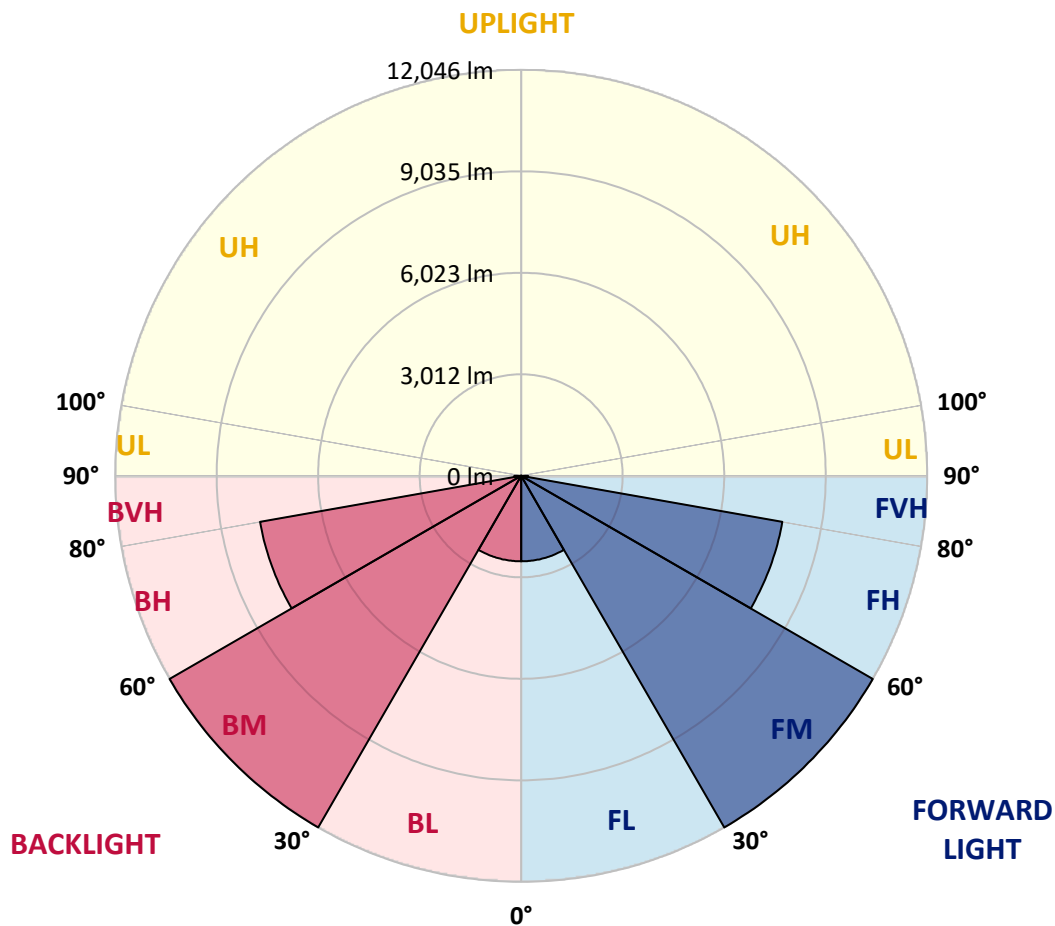
CATALOG NUMBER: GALN-SB7C-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2536.6	5.6			
FM	(30°-60°)	12046.0	26.6			
FH	(60°-80°)	7866.2	17.4			G4/12000
FVH	(80°-90°)	204.2	0.5			G2/225
BL	(0°-30°)	2536.6	5.6	B4/5000		
BM	(30°-60°)	12046.0	26.6	B5		
BH	(60°-80°)	7866.2	17.4	B5		G5
BVH	(80°-90°)	204.2	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 III Medium



REPORT NUMBER: P954116

CATALOG NUMBER: GALN-SB7C-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1	4853.1
2.5°	4853.1	4848.5	4853.1	4857.7	4855.4	4855.4	4867.0	4873.9	4887.8	4885.5	4883.2
5°	4820.7	4818.4	4836.9	4857.7	4873.9	4901.7	4936.4	4961.8	4994.2	5001.1	5001.1
7.5°	4804.5	4797.6	4830.0	4867.0	4917.9	4987.2	5054.3	5123.7	5179.2	5197.7	5202.4
10°	4816.1	4818.4	4862.3	4931.7	5012.7	5109.8	5204.7	5322.7	5401.3	5419.8	5438.3
12.5°	4869.3	4864.6	4938.7	5049.7	5160.7	5283.3	5394.4	5523.9	5609.5	5653.4	5672.0
15°	4966.4	4957.2	5061.3	5225.5	5387.4	5530.8	5621.1	5743.7	5843.1	5898.6	5919.5
17.5°	5082.1	5086.7	5223.2	5436.0	5648.8	5810.7	5896.3	5958.8	6035.1	6083.7	6106.8
20°	5285.7	5294.9	5447.6	5699.7	5942.6	6127.7	6197.1	6173.9	6194.7	6231.7	6259.5
22.5°	5558.6	5563.2	5734.4	6007.4	6261.8	6465.4	6511.6	6416.8	6359.0	6384.4	6402.9
25°	5875.5	5905.6	6076.8	6356.7	6618.1	6812.4	6833.2	6689.8	6546.3	6553.3	6564.8
27.5°	6261.8	6289.6	6463.1	6740.7	7006.7	7175.5	7173.2	6981.2	6770.7	6717.5	6733.7
30°	6680.5	6710.6	6888.7	7175.5	7423.0	7571.1	7538.7	7309.7	7009.0	6909.5	6921.1
32.5°	7177.8	7196.4	7376.8	7663.6	7892.6	8010.6	7943.5	7661.3	7286.6	7173.2	7201.0
35°	7779.3	7807.0	7941.2	8211.8	8413.1	8510.2	8396.9	8063.8	7642.8	7515.6	7534.1
37.5°	8466.3	8447.8	8600.5	8841.0	9007.6	9067.7	8912.7	8517.2	8049.9	7899.6	7927.3
40°	9183.4	9174.1	9340.7	9572.0	9662.2	9699.2	9470.2	9037.7	8519.5	8357.6	8410.8
42.5°	9833.4	9826.5	10050.8	10307.6	10416.3	10374.7	10085.5	9590.5	9063.1	8878.0	8924.3
45°	10353.9	10344.6	10619.9	10980.7	11193.6	11124.2	10735.5	10201.2	9613.6	9421.6	9465.6
47.5°	10754.0	10758.7	11054.8	11501.2	11873.6	11899.1	11399.4	10823.4	10219.7	10002.3	10067.0
50°	11043.2	11057.1	11374.0	11869.0	12377.9	12602.3	12077.2	11461.9	10846.6	10601.4	10675.4
52.5°	11114.9	11140.3	11522.0	12102.6	12701.8	13129.7	12766.5	12074.9	11441.1	11207.4	11267.6
55°	10733.2	10784.1	11267.6	12084.1	12900.7	13476.7	13372.6	12697.1	12040.2	11799.6	11866.7
57.5°	9856.5	9928.2	10492.7	11559.0	12856.7	13714.9	13842.2	13293.9	12639.3	12408.0	12461.2
60°	8628.2	8713.8	9255.1	10418.6	12236.8	13802.8	14172.9	13874.5	13189.8	12965.5	13014.0
62.5°	6775.3	6886.4	7534.1	8898.9	10927.5	13393.4	14455.2	14399.6	13684.9	13405.0	13437.4
65°	4346.5	4464.5	5146.9	6759.2	9181.1	12139.6	14543.1	14910.9	14207.6	13816.7	13865.3
67.5°	2620.9	2674.1	3011.8	4096.7	6710.6	10249.8	13798.2	15477.6	14818.3	14332.6	14369.6
70°	1677.1	1707.1	1908.4	2405.7	3793.6	7478.6	11952.3	15584.0	15558.6	14862.3	14857.7
72.5°	1138.1	1147.3	1200.5	1424.9	2146.6	4249.3	8815.6	14108.2	16021.2	15544.7	15470.6
75°	832.8	883.6	969.2	1008.6	1219.1	2123.5	5052.0	9912.0	13502.1	13710.3	13206.0
77.5°	619.9	622.2	740.2	786.5	869.8	1131.2	2137.4	5533.2	8383.0	8801.7	7851.0
80°	525.1	497.3	495.0	633.8	654.6	705.5	955.3	1910.7	3002.5	1820.5	1376.4
82.5°	437.2	407.1	367.8	495.0	446.4	432.6	414.1	777.2	955.3	469.6	400.2
85°	305.3	291.5	277.6	323.8	254.5	217.4	198.9	363.2	402.5	198.9	175.8
87.5°	131.9	136.5	138.8	143.4	106.4	76.3	76.3	101.8	101.8	78.6	57.8
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)