

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: P942960

Luminaire Tested: **GALN-SB7B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33462 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 256.7
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

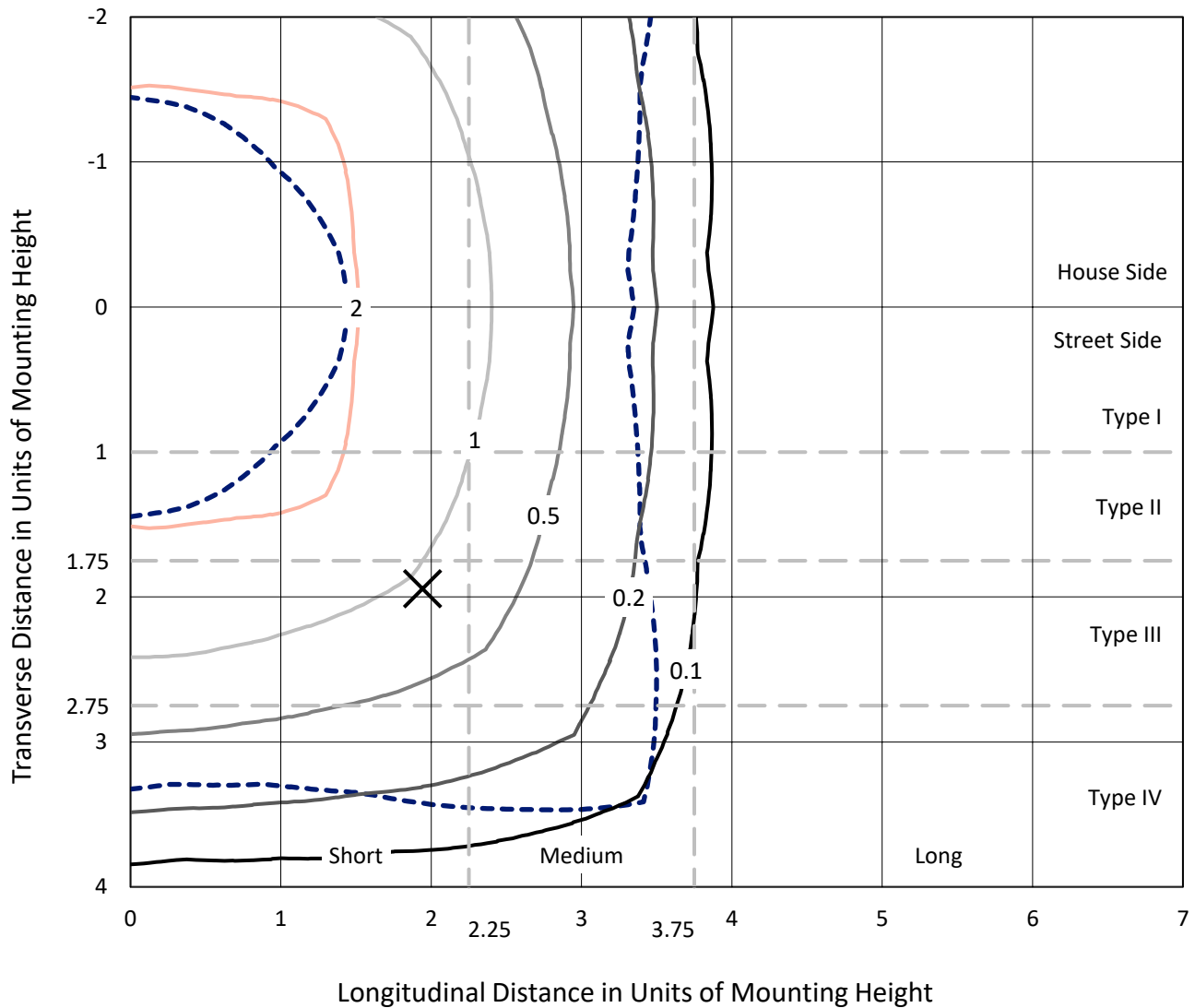


REPORT NUMBER: P942960

CATALOG NUMBER: GALN-SB7B-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

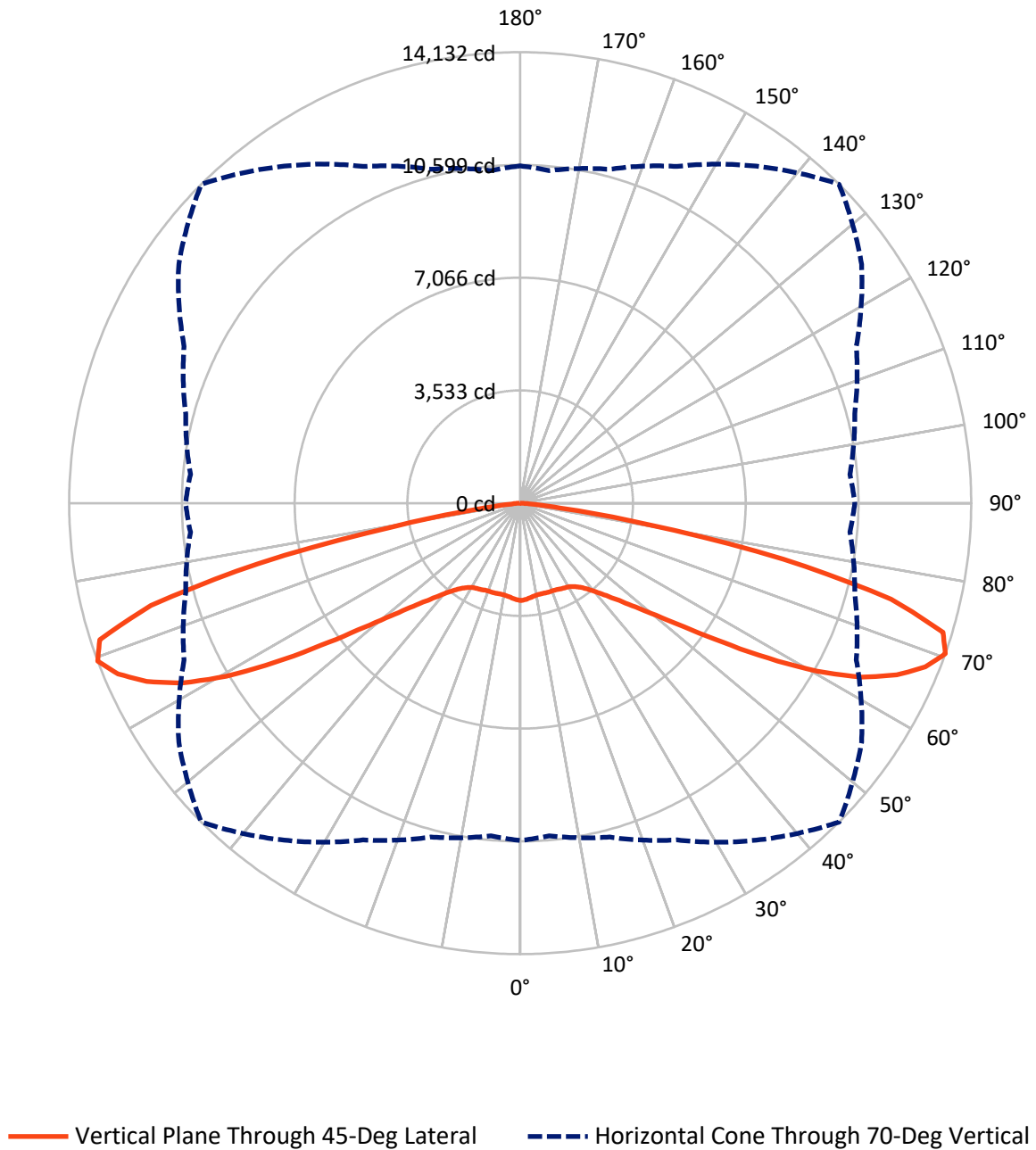


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - N/A

REPORT NUMBER: P942960

CATALOG NUMBER: GALN-SB7B-722-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P942960

CATALOG NUMBER: GALN-SB7B-722-U-5WQ

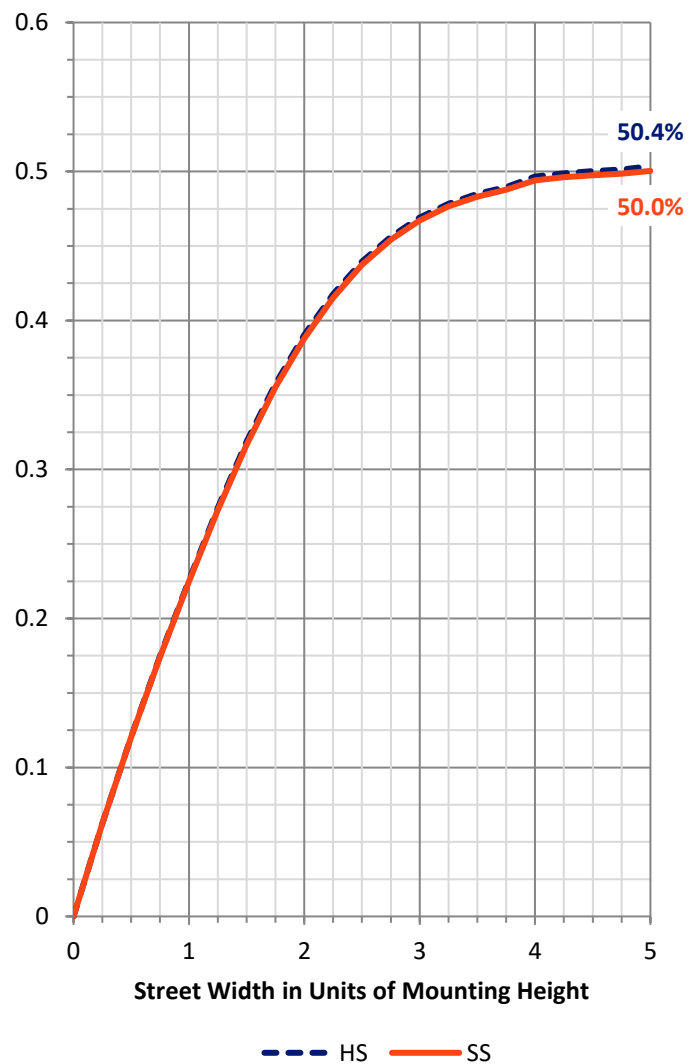
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16731.0	0.0	16731.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16731.0	0.0	16731.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33462.0	0.0	33462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	0.8
10°-20°	833.7	2.5
20°-30°	1387.5	4.1
30°-40°	2098.3	6.3
40°-50°	3486.8	10.4
50°-60°	6579.5	19.7
60°-70°	11109.7	33.2
70°-80°	7300.2	21.8
80°-90°	382.5	1.1
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°	33462.0	100.0
0°-180°	33462.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942960

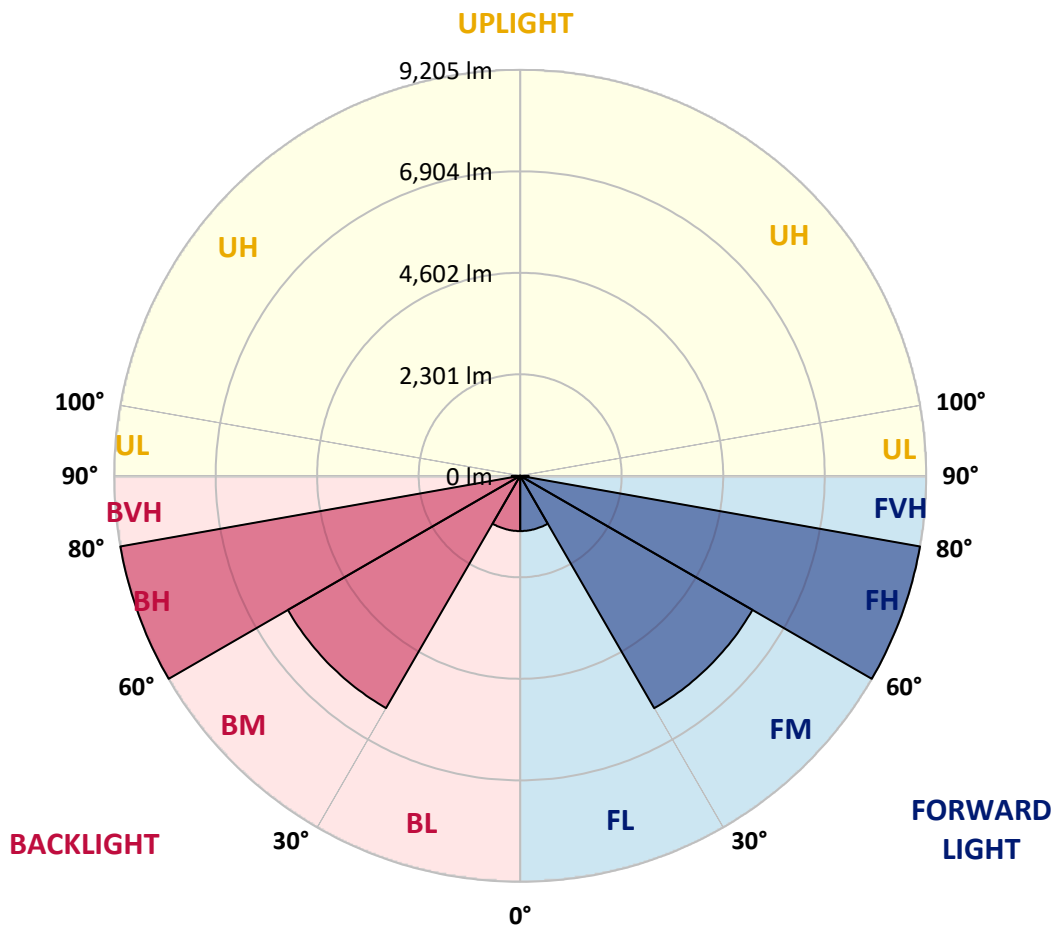
CATALOG NUMBER: GALN-SB7B-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1252.6	3.7			
FM	(30°-60°)	6082.3	18.2			
FH	(60°-80°)	9204.9	27.5			G4/12000
FVH	(80°-90°)	191.2	0.6			G2/225
BL	(0°-30°)	1252.6	3.7	B3/2500		
BM	(30°-60°)	6082.3	18.2	B4/8500		
BH	(60°-80°)	9204.9	27.5	B5		G4/12000
BVH	(80°-90°)	191.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



REPORT NUMBER: P942960

CATALOG NUMBER: GALN-SB7B-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4	3052.4
2.5°	3033.3	3042.0	3038.5	3031.5	3031.5	3026.3	3031.5	3035.0	3040.2	3043.7	3042.0
5°	2993.3	3000.2	2998.5	2993.3	2995.0	2989.8	2993.3	2998.5	3002.0	3003.7	3003.7
7.5°	2958.5	2965.4	2962.0	2953.3	2953.3	2948.1	2949.8	2955.0	2960.2	2962.0	2962.0
10°	2949.8	2956.7	2946.3	2932.4	2927.2	2920.2	2922.0	2927.2	2937.6	2942.8	2942.8
12.5°	2953.3	2958.5	2948.1	2927.2	2922.0	2915.0	2915.0	2920.2	2934.1	2941.1	2942.8
15°	2963.7	2968.9	2953.3	2930.7	2925.4	2920.2	2918.5	2925.4	2941.1	2953.3	2955.0
17.5°	2982.8	2988.1	2963.7	2932.4	2925.4	2927.2	2925.4	2930.7	2955.0	2977.6	2977.6
20°	3000.2	3003.7	2970.7	2932.4	2925.4	2927.2	2925.4	2935.9	2967.2	2998.5	3000.2
22.5°	3005.4	3008.9	2977.6	2944.6	2939.4	2941.1	2939.4	2949.8	2979.4	3010.7	3010.7
25°	3007.2	3012.4	2988.1	2962.0	2970.7	2974.1	2970.7	2972.4	2995.0	3022.8	3021.1
27.5°	3033.3	3040.2	3017.6	2995.0	3000.2	2998.5	3003.7	3008.9	3026.3	3054.1	3047.2
30°	3087.2	3092.4	3073.3	3050.7	3047.2	3035.0	3050.7	3068.1	3087.2	3111.5	3106.3
32.5°	3175.9	3186.3	3162.0	3137.6	3122.0	3115.0	3127.2	3156.8	3182.9	3208.9	3198.5
35°	3323.7	3330.7	3308.1	3262.9	3235.0	3235.0	3245.5	3283.7	3325.5	3358.5	3346.3
37.5°	3532.4	3541.1	3501.1	3447.2	3405.5	3405.5	3419.4	3459.4	3522.0	3569.0	3551.6
40°	3786.4	3798.6	3748.1	3692.5	3652.5	3645.5	3662.9	3708.1	3767.2	3826.4	3807.2
42.5°	4092.5	4106.4	4040.3	3991.6	3960.3	3960.3	3969.0	4010.7	4064.7	4137.7	4132.5
45°	4483.8	4508.2	4417.7	4369.0	4339.5	4346.4	4351.6	4388.2	4436.9	4520.3	4516.9
47.5°	4949.9	4974.3	4878.6	4828.2	4823.0	4856.0	4835.2	4861.2	4887.3	4983.0	4955.2
50°	5478.7	5520.4	5454.3	5450.9	5461.3	5522.2	5473.5	5487.4	5457.8	5518.7	5482.2
52.5°	6125.7	6186.6	6174.4	6195.3	6311.8	6437.0	6325.7	6277.0	6165.7	6184.8	6120.5
55°	6910.1	7002.3	7019.7	7144.9	7409.3	7664.9	7428.4	7231.9	6995.3	6951.8	6884.0
57.5°	7802.3	7875.4	7958.9	8214.5	8708.5	9162.4	8708.5	8273.7	7901.5	7812.8	7750.2
60°	8762.4	8852.9	8932.9	9310.3	10044.2	10682.6	10030.3	9339.8	8847.6	8727.6	8623.3
62.5°	9793.8	9910.3	9966.0	10385.1	11240.9	12002.7	11253.0	10416.5	9870.3	9741.6	9637.3
65°	10783.4	10879.1	10941.7	11388.7	12206.2	12969.7	12261.8	11437.4	10875.6	10706.9	10623.4
67.5°	11244.3	11296.5	11449.6	11955.7	12818.4	13689.7	12964.5	12009.6	11381.7	11086.1	11089.5
70°	10569.5	10463.4	10832.1	11642.6	12891.4	14131.5	13058.4	11618.3	10849.5	10369.5	10484.3
72.5°	8167.6	7985.0	8625.0	10011.2	12056.6	13849.8	12140.1	10089.5	9023.3	8049.3	8291.1
75°	4443.8	4236.8	5120.4	6873.6	9614.7	12004.4	9835.5	7070.1	5701.3	4410.8	4697.8
77.5°	1254.0	1175.7	1888.8	3325.5	5783.1	8428.5	6005.7	3398.5	2240.2	1328.8	1476.6
80°	384.4	372.2	504.4	1001.8	2455.8	4036.8	2360.2	1014.0	641.8	405.2	427.9
82.5°	227.8	208.7	250.5	365.2	626.1	1267.9	608.7	380.9	306.1	205.2	222.6
85°	130.4	121.7	147.8	177.4	210.5	269.6	175.7	180.9	163.5	109.6	114.8
87.5°	53.9	48.7	57.4	55.7	48.7	62.6	47.0	55.7	66.1	43.5	40.0
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)