

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: P944320

Luminaire Tested: **GALN-SB9B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944320
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-SB9B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 42857 lumens
Efficiency: N/A
Efficacy: 130.1 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): 329.5
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

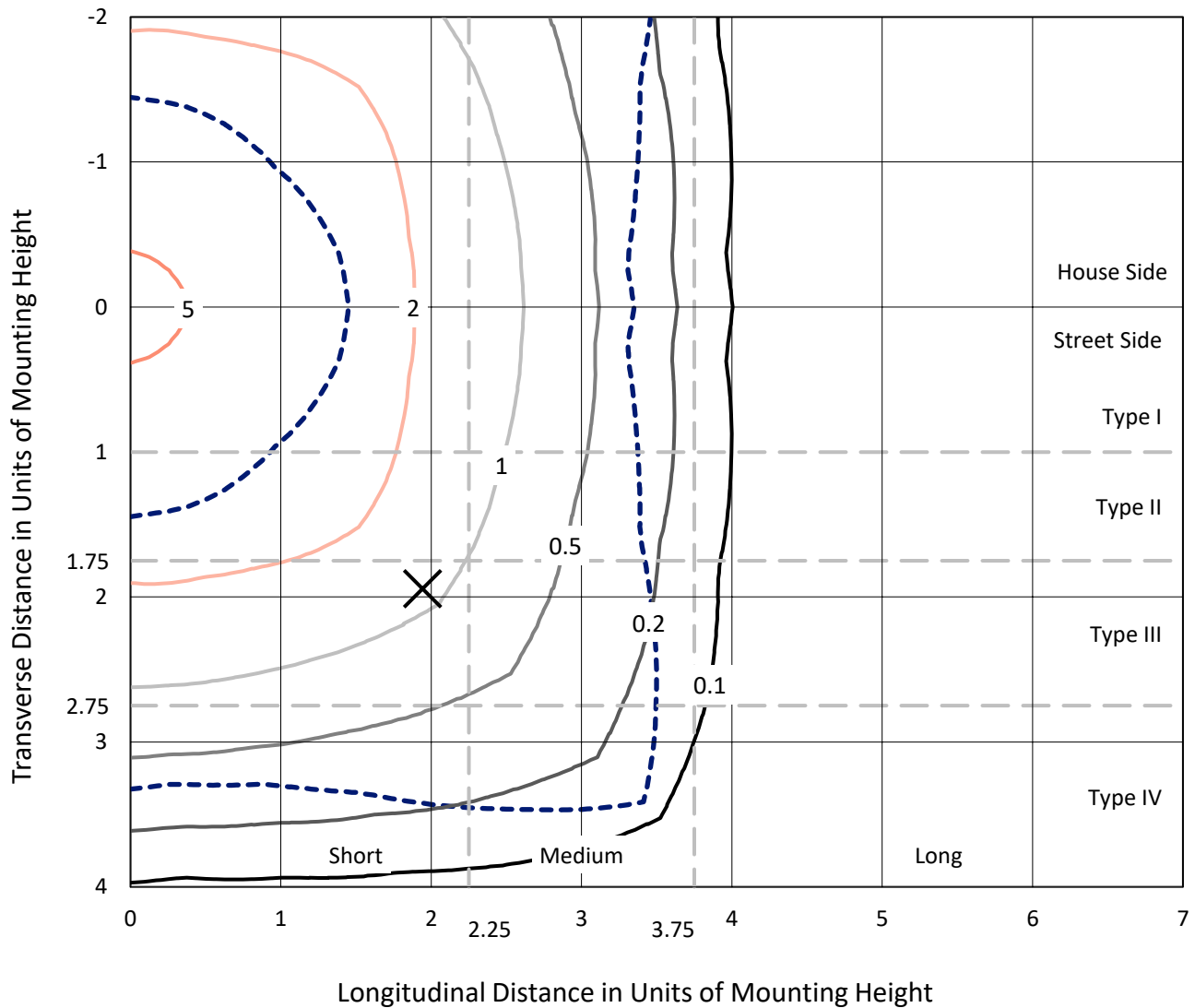


REPORT NUMBER: P944320

CATALOG NUMBER: GALN-SB9B-722-U-5WQ

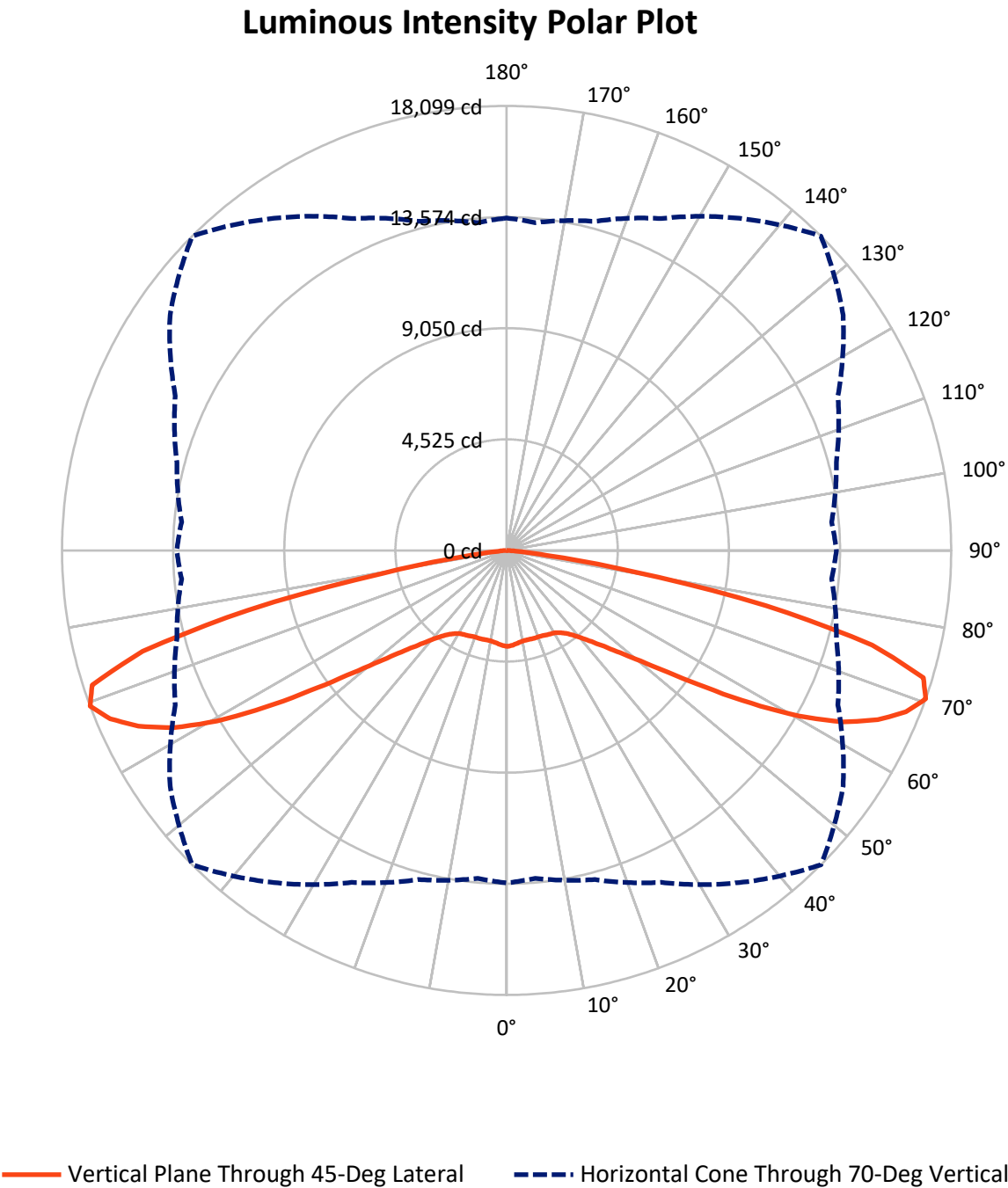
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
Type V - Short - N/A

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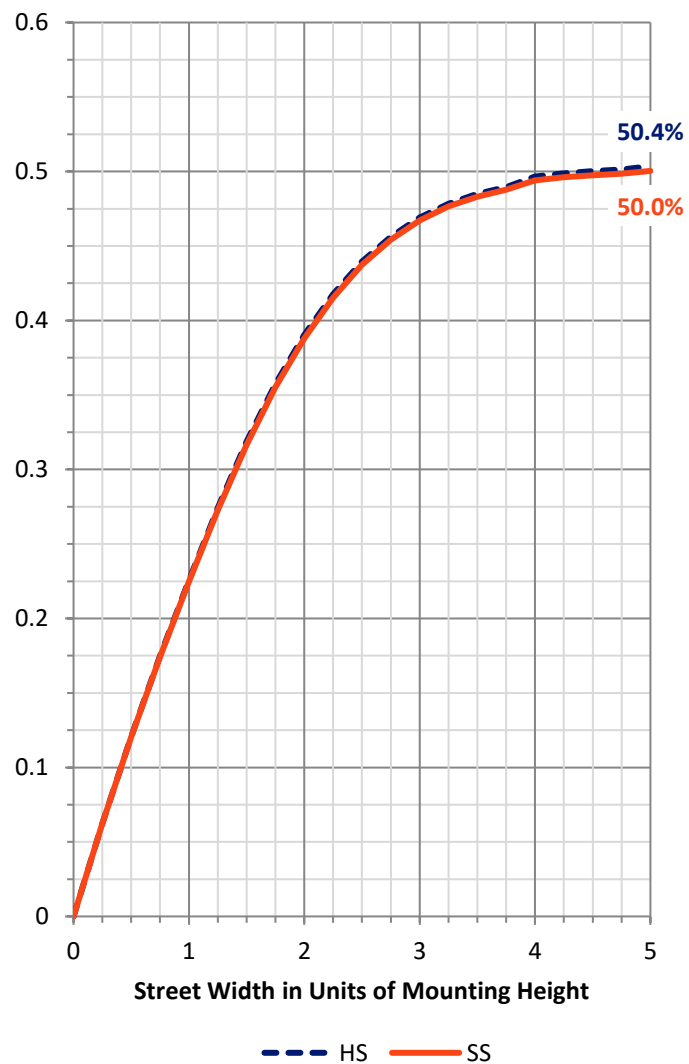
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21428.5	0.0	21428.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21428.5	0.0	21428.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42857.0	0.0	42857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.7	0.8
10°-20°	1067.8	2.5
20°-30°	1777.0	4.1
30°-40°	2687.4	6.3
40°-50°	4465.8	10.4
50°-60°	8426.7	19.7
60°-70°	14228.9	33.2
70°-80°	9349.9	21.8
80°-90°	489.8	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°	42857.0	100.0
0°-180°	42857.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944320

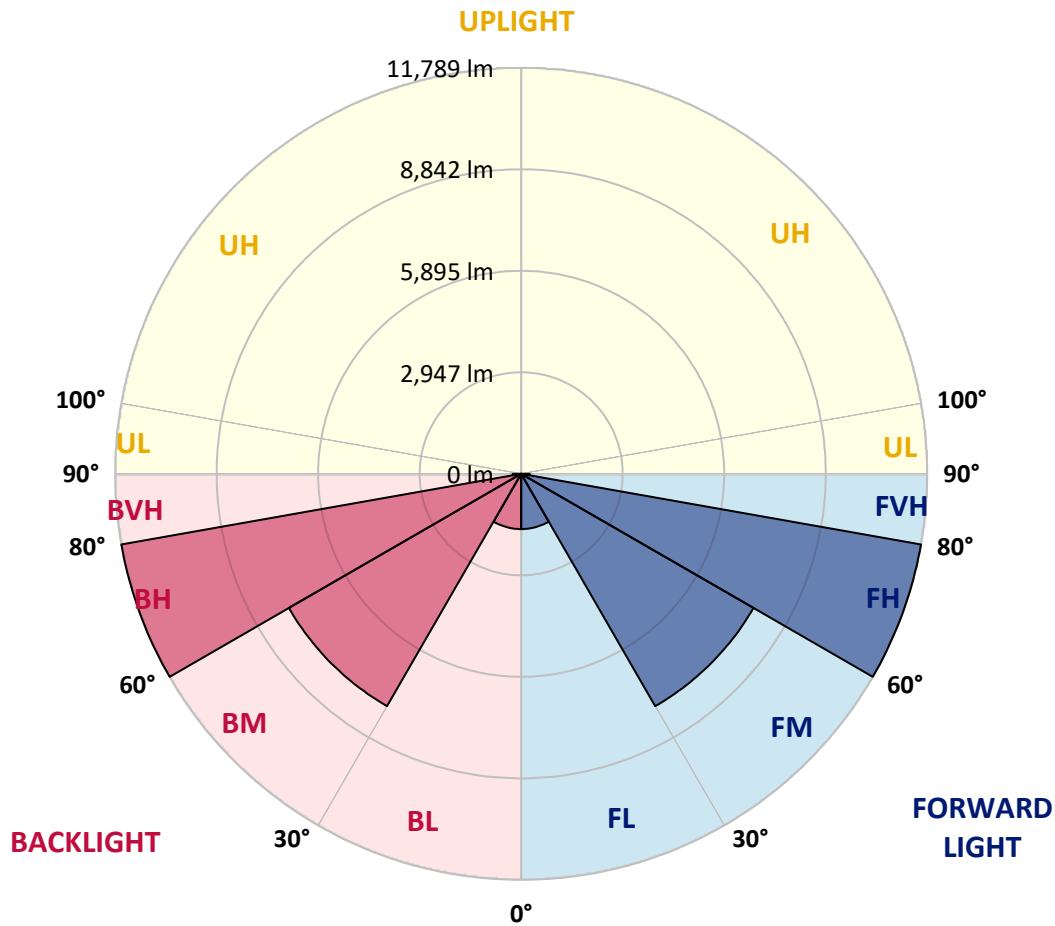
CATALOG NUMBER: GALN-SB9B-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1604.2	3.7			
FM	(30°-60°)	7789.9	18.2			
FH	(60°-80°)	11789.4	27.5			G4/12000
FVH	(80°-90°)	244.9	0.6			G3/500
BL	(0°-30°)	1604.2	3.7	B3/2500		
BM	(30°-60°)	7789.9	18.2	B4/8500		
BH	(60°-80°)	11789.4	27.5	B5		G4/12000
BVH	(80°-90°)	244.9	0.6			G3/500
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4	3909.4
2.5°	3884.9	3896.1	3891.6	3882.7	3882.7	3876.0	3882.7	3887.1	3893.8	3898.3	3896.1
5°	3833.7	3842.6	3840.4	3833.7	3835.9	3829.2	3833.7	3840.4	3844.8	3847.0	3847.0
7.5°	3789.1	3798.0	3793.6	3782.4	3782.4	3775.8	3778.0	3784.7	3791.4	3793.6	3793.6
10°	3778.0	3786.9	3773.5	3755.7	3749.0	3740.1	3742.4	3749.0	3762.4	3769.1	3769.1
12.5°	3782.4	3789.1	3775.8	3749.0	3742.4	3733.4	3733.4	3740.1	3757.9	3766.9	3769.1
15°	3795.8	3802.5	3782.4	3753.5	3746.8	3740.1	3737.9	3746.8	3766.9	3782.4	3784.7
17.5°	3820.3	3827.0	3795.8	3755.7	3746.8	3749.0	3746.8	3753.5	3784.7	3813.6	3813.6
20°	3842.6	3847.0	3804.7	3755.7	3746.8	3749.0	3746.8	3760.2	3800.3	3840.4	3842.6
22.5°	3849.3	3853.7	3813.6	3771.3	3764.6	3766.9	3764.6	3778.0	3815.9	3856.0	3856.0
25°	3851.5	3858.2	3827.0	3793.6	3804.7	3809.2	3804.7	3807.0	3835.9	3871.6	3869.3
27.5°	3884.9	3893.8	3864.9	3835.9	3842.6	3840.4	3847.0	3853.7	3876.0	3911.6	3902.7
30°	3954.0	3960.7	3936.2	3907.2	3902.7	3887.1	3907.2	3929.5	3954.0	3985.2	3978.5
32.5°	4067.6	4080.9	4049.8	4018.6	3998.5	3989.6	4005.2	4043.1	4076.5	4109.9	4096.5
35°	4256.9	4265.8	4236.9	4179.0	4143.3	4143.3	4156.7	4205.7	4259.2	4301.5	4285.9
37.5°	4524.2	4535.4	4484.1	4415.1	4361.6	4361.6	4379.4	4430.7	4510.9	4571.0	4548.7
40°	4849.5	4865.1	4800.5	4729.2	4677.9	4669.0	4691.3	4749.2	4825.0	4900.7	4876.2
42.5°	5241.5	5259.3	5174.7	5112.3	5072.2	5072.2	5083.4	5136.8	5205.9	5299.4	5292.8
45°	5742.7	5773.9	5658.1	5595.7	5557.8	5566.7	5573.4	5620.2	5682.6	5789.5	5785.1
47.5°	6339.7	6370.9	6248.4	6183.8	6177.1	6219.4	6192.7	6226.1	6259.5	6382.0	6346.4
50°	7016.9	7070.4	6985.7	6981.3	6994.6	7072.6	7010.2	7028.0	6990.2	7068.1	7021.4
52.5°	7845.6	7923.5	7907.9	7934.7	8083.9	8244.3	8101.7	8039.4	7896.8	7921.3	7838.9
55°	8850.2	8968.3	8990.6	9150.9	9489.5	9817.0	9514.0	9262.3	8959.4	8903.7	8816.8
57.5°	9993.0	10086.5	10193.5	10520.9	11153.5	11734.9	11153.5	10596.6	10119.9	10006.3	9926.1
60°	11222.6	11338.4	11440.9	11924.3	12864.3	13681.9	12846.5	11962.2	11331.8	11178.0	11044.4
62.5°	12543.6	12692.8	12764.1	13300.9	14396.9	15372.6	14412.5	13341.0	12641.6	12476.7	12343.1
65°	13811.1	13933.6	14013.8	14586.3	15633.2	16611.1	15704.5	14648.6	13929.1	13713.0	13606.1
67.5°	14401.4	14468.2	14664.2	15312.5	16417.3	17533.4	16604.5	15381.5	14577.4	14198.7	14203.1
70°	13537.1	13401.2	13873.4	14911.5	16510.9	18099.2	16724.7	14880.3	13895.7	13280.9	13427.9
72.5°	10460.8	10226.9	11046.6	12822.0	15441.7	17738.3	15548.6	12922.3	11556.7	10309.3	10618.9
75°	5691.5	5426.4	6558.0	8803.4	12314.1	15374.8	12597.0	9055.2	7302.0	5649.2	6016.7
77.5°	1606.1	1505.9	2419.2	4259.2	7406.7	10794.9	7691.9	4352.7	2869.1	1701.9	1891.2
80°	492.3	476.7	646.0	1283.1	3145.4	5170.2	3022.8	1298.7	822.0	519.0	548.0
82.5°	291.8	267.3	320.8	467.8	801.9	1623.9	779.7	487.8	392.1	262.9	285.1
85°	167.1	155.9	189.3	227.2	269.5	345.3	225.0	231.7	209.4	140.3	147.0
87.5°	69.1	62.4	73.5	71.3	62.4	80.2	60.1	71.3	84.6	55.7	51.2
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)