

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: P942620

Luminaire Tested: **GALN-SB6D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942620
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-SB6D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51563 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1
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

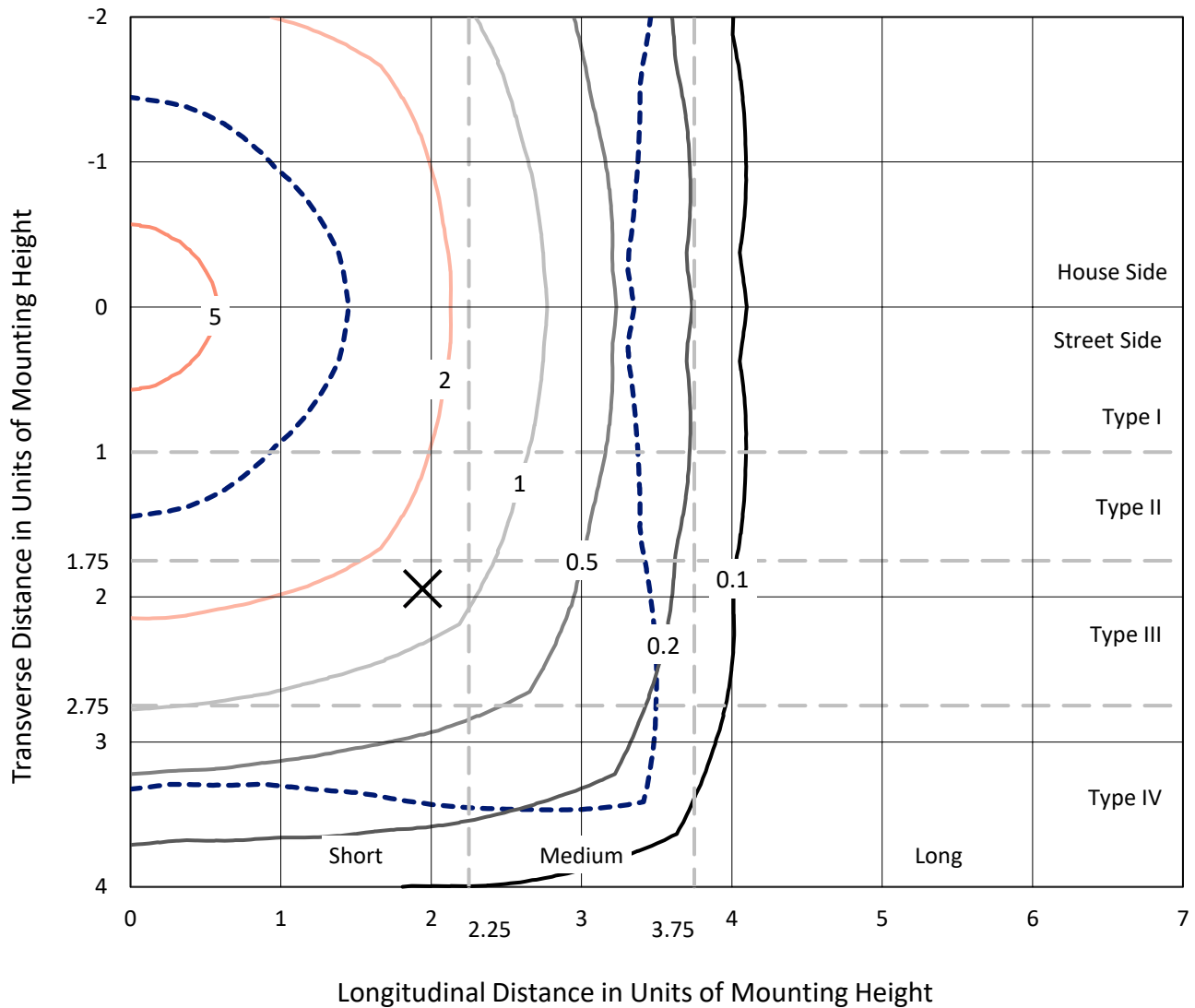


REPORT NUMBER: P942620

CATALOG NUMBER: GALN-SB6D-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

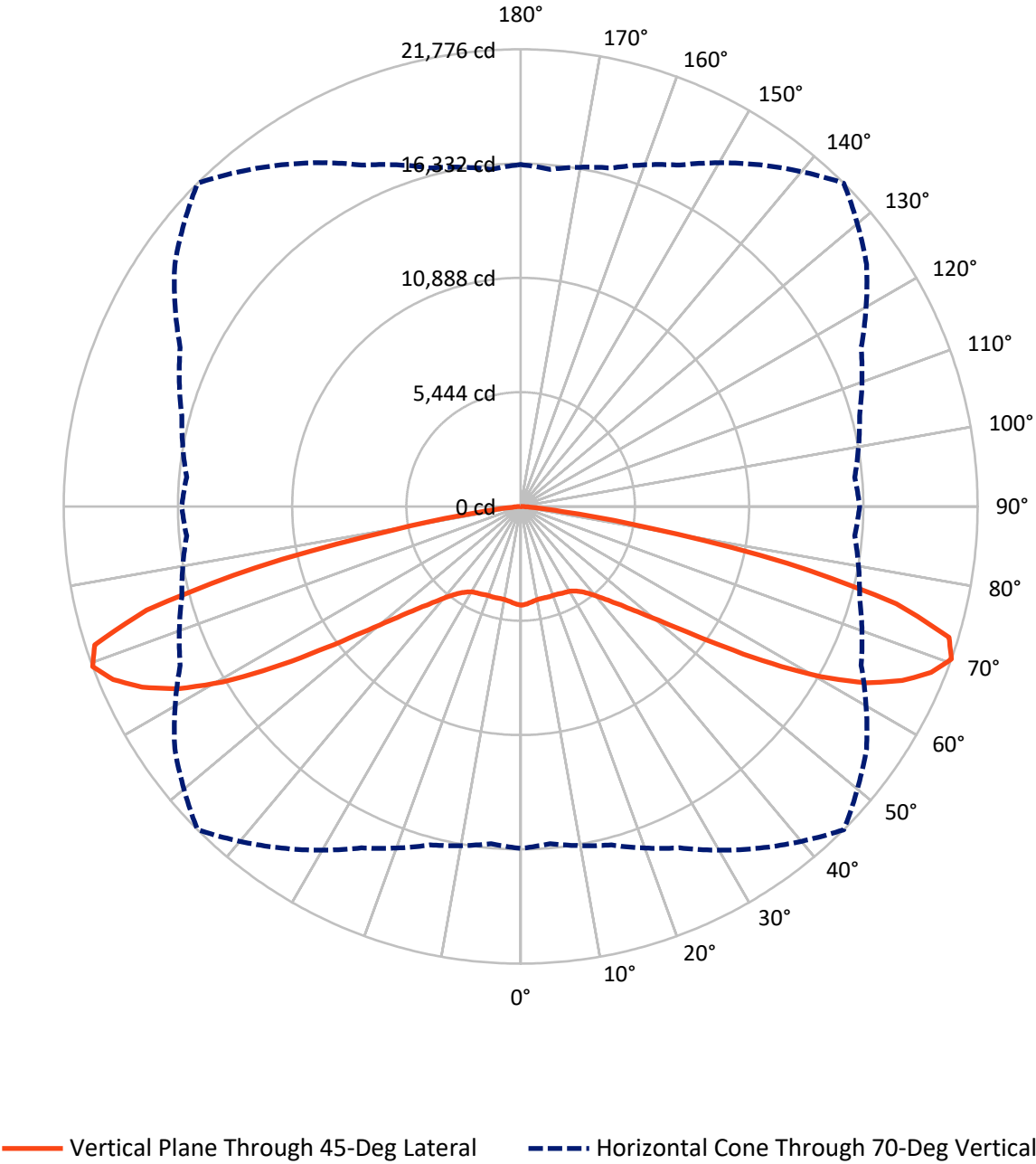
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

REPORT NUMBER: P942620
CATALOG NUMBER: GALN-SB6D-722-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P942620

CATALOG NUMBER: GALN-SB6D-722-U-5WQ

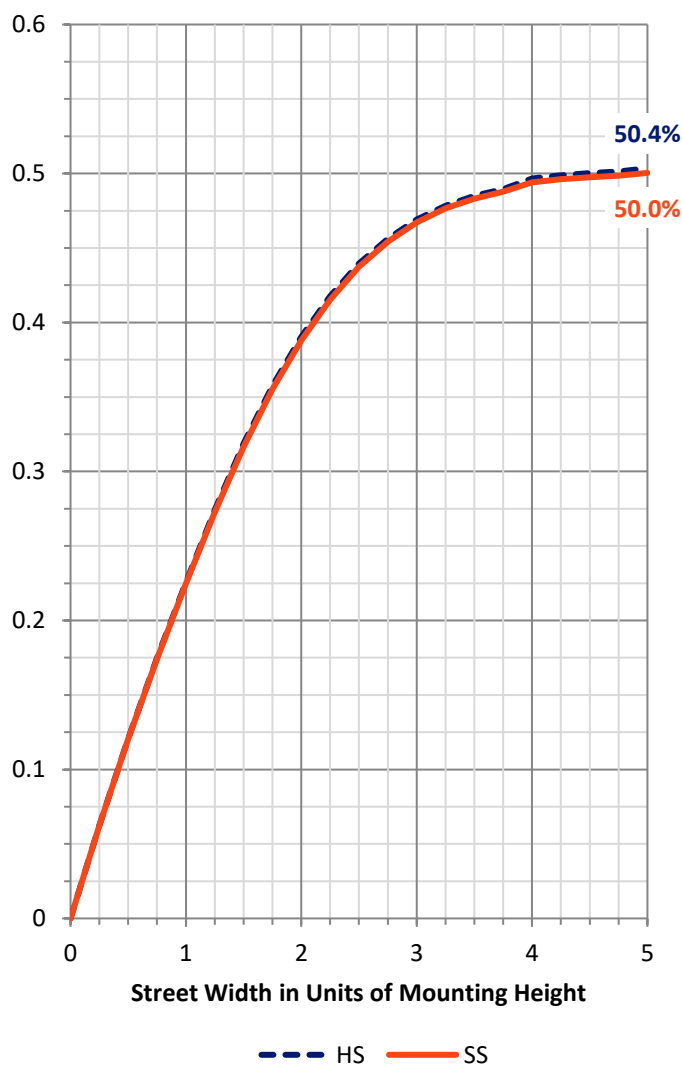
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25781.5	0.0	25781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25781.5	0.0	25781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51563.0	0.0	51563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	0.8
10°-20°	1284.7	2.5
20°-30°	2138.0	4.1
30°-40°	3233.3	6.3
40°-50°	5372.9	10.4
50°-60°	10138.6	19.7
60°-70°	17119.4	33.2
70°-80°	11249.2	21.8
80°-90°	589.3	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°	51563.0	100.0
0°-180°	51563.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942620

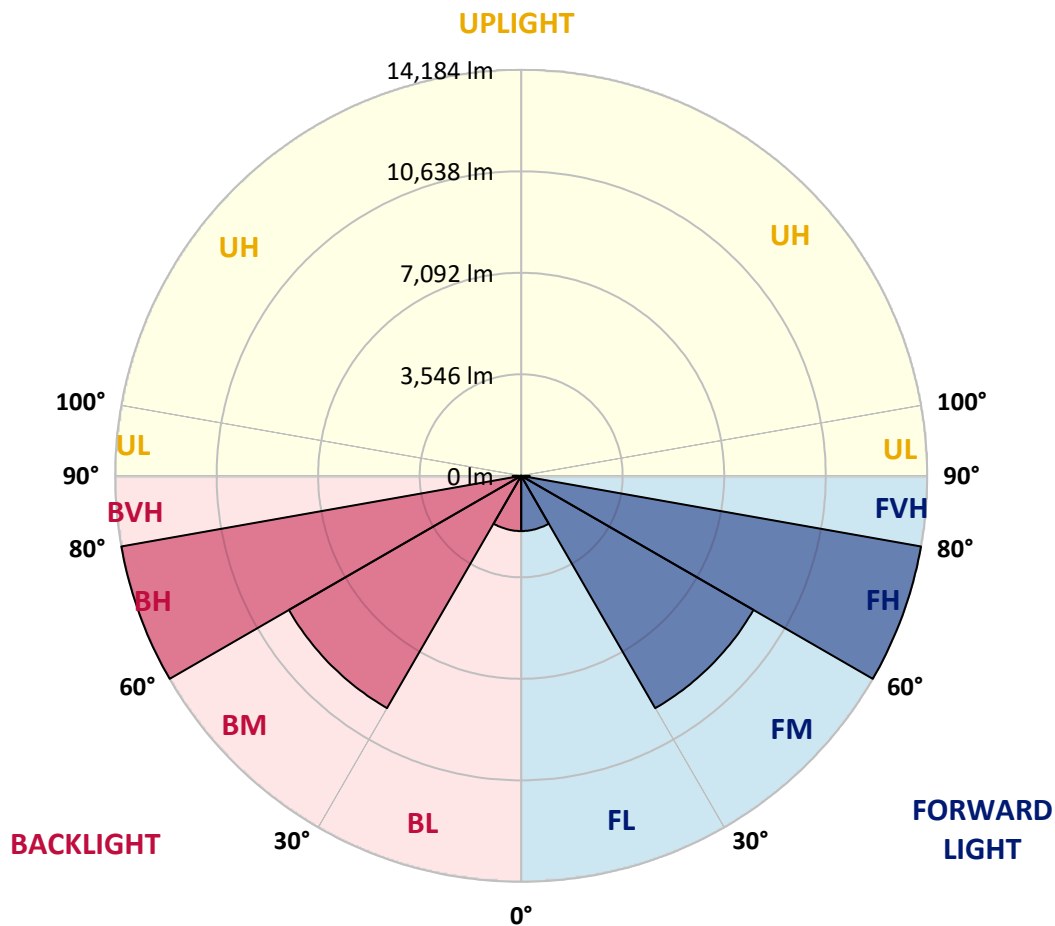
CATALOG NUMBER: GALN-SB6D-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1930.1	3.7			
FM	(30°-60°)	9372.4	18.2			
FH	(60°-80°)	14184.3	27.5			G5
FVH	(80°-90°)	294.7	0.6			G3/500
BL	(0°-30°)	1930.1	3.7	B3/2500		
BM	(30°-60°)	9372.4	18.2	B5		
BH	(60°-80°)	14184.3	27.5	B5		G5
BVH	(80°-90°)	294.7	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-G5

Type V Short



REPORT NUMBER: P942620

CATALOG NUMBER: GALN-SB6D-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6	4703.6
2.5°	4674.1	4687.5	4682.1	4671.4	4671.4	4663.4	4671.4	4676.8	4684.8	4690.2	4687.5
5°	4612.5	4623.2	4620.5	4612.5	4615.1	4607.1	4612.5	4620.5	4625.9	4628.5	4628.5
7.5°	4558.9	4569.6	4564.2	4550.8	4550.8	4542.8	4545.5	4553.5	4561.5	4564.2	4564.2
10°	4545.5	4556.2	4540.1	4518.7	4510.6	4499.9	4502.6	4510.6	4526.7	4534.7	4534.7
12.5°	4550.8	4558.9	4542.8	4510.6	4502.6	4491.9	4491.9	4499.9	4521.3	4532.1	4534.7
15°	4566.9	4574.9	4550.8	4516.0	4507.9	4499.9	4497.2	4507.9	4532.1	4550.8	4553.5
17.5°	4596.4	4604.4	4566.9	4518.7	4507.9	4510.6	4507.9	4516.0	4553.5	4588.3	4588.3
20°	4623.2	4628.5	4577.6	4518.7	4507.9	4510.6	4507.9	4524.0	4572.3	4620.5	4623.2
22.5°	4631.2	4636.6	4588.3	4537.4	4529.4	4532.1	4529.4	4545.5	4591.0	4639.3	4639.3
25°	4633.9	4641.9	4604.4	4564.2	4577.6	4583.0	4577.6	4580.3	4615.1	4658.0	4655.3
27.5°	4674.1	4684.8	4650.0	4615.1	4623.2	4620.5	4628.5	4636.6	4663.4	4706.3	4695.5
30°	4757.2	4765.2	4735.7	4700.9	4695.5	4676.8	4700.9	4727.7	4757.2	4794.7	4786.7
32.5°	4893.9	4910.0	4872.4	4834.9	4810.8	4800.1	4818.8	4864.4	4904.6	4944.8	4928.7
35°	5121.7	5132.4	5097.6	5027.9	4985.0	4985.0	5001.1	5060.0	5124.4	5175.3	5156.5
37.5°	5443.3	5456.7	5395.1	5312.0	5247.6	5247.6	5269.1	5330.7	5427.2	5499.6	5472.8
40°	5834.6	5853.3	5775.6	5689.9	5628.2	5617.5	5644.3	5714.0	5805.1	5896.2	5866.7
42.5°	6306.3	6327.7	6225.9	6150.8	6102.6	6102.6	6116.0	6180.3	6263.4	6376.0	6367.9
45°	6909.3	6946.8	6807.5	6732.4	6686.9	6697.6	6705.6	6761.9	6836.9	6965.6	6960.2
47.5°	7627.6	7665.1	7517.7	7440.0	7431.9	7482.9	7450.7	7490.9	7531.1	7678.5	7635.6
50°	8442.3	8506.7	8404.8	8399.4	8415.5	8509.3	8434.3	8455.7	8410.2	8504.0	8447.7
52.5°	9439.3	9533.1	9514.4	9546.5	9726.1	9919.1	9747.5	9672.5	9501.0	9530.5	9431.3
55°	10648.1	10790.1	10816.9	11009.9	11417.2	11811.2	11446.7	11143.9	10779.4	10712.4	10607.9
57.5°	12022.9	12135.5	12264.2	12658.1	13419.3	14118.8	13419.3	12749.3	12175.7	12039.0	11942.5
60°	13502.4	13641.7	13765.0	14346.6	15477.6	16461.2	15456.2	14392.2	13633.7	13448.8	13288.0
62.5°	15091.7	15271.2	15357.0	16002.9	17321.5	18495.4	17340.3	16051.1	15209.6	15011.3	14850.5
65°	16616.6	16764.1	16860.5	17549.3	18809.0	19985.5	18894.7	17624.4	16758.7	16498.7	16370.1
67.5°	17326.9	17407.3	17643.1	18423.0	19752.4	21095.1	19977.5	18506.1	17538.6	17083.0	17088.3
70°	16287.0	16123.5	16691.7	17940.6	19864.9	21775.9	20122.2	17903.1	16718.5	15978.8	16155.7
72.5°	12585.8	12304.4	13290.6	15426.7	18578.5	21341.7	18707.1	15547.3	13904.4	12403.5	12776.1
75°	6847.7	6528.7	7890.2	10591.8	14815.6	18498.1	15156.0	10894.6	8785.4	6796.7	7239.0
77.5°	1932.4	1811.8	2910.6	5124.4	8911.3	12987.8	9254.4	5236.9	3452.0	2047.6	2275.4
80°	592.3	573.5	777.2	1543.7	3784.3	6220.5	3636.9	1562.5	989.0	624.5	659.3
82.5°	351.1	321.6	385.9	562.8	964.8	1953.8	938.0	586.9	471.7	316.3	343.1
85°	201.0	187.6	227.8	273.4	324.3	415.4	270.7	278.7	251.9	168.8	176.9
87.5°	83.1	75.0	88.4	85.8	75.0	96.5	72.4	85.8	101.8	67.0	61.6
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)