

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: P956611

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44372 lumens
Efficiency: N/A
Efficacy: 134.7 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



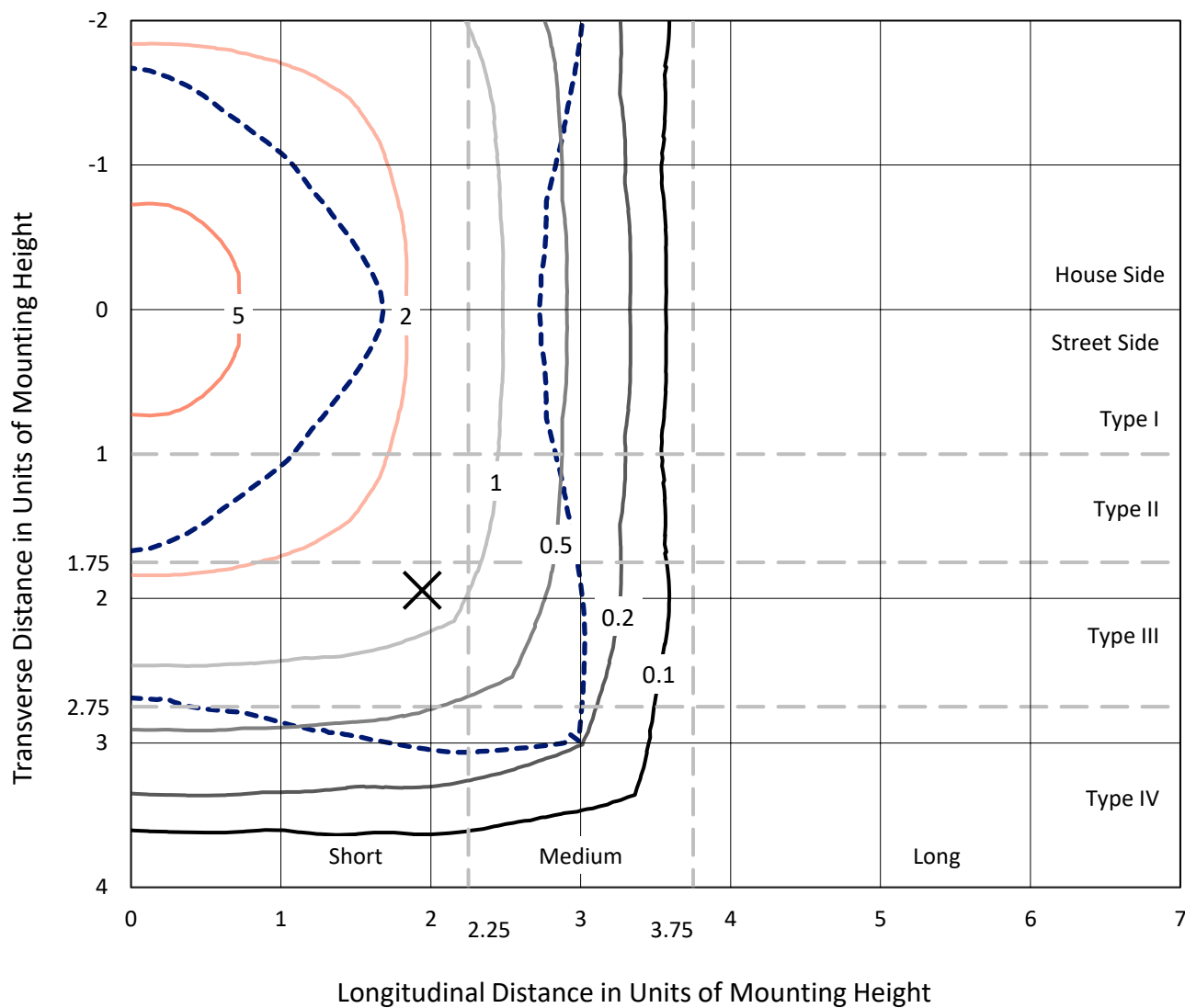
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

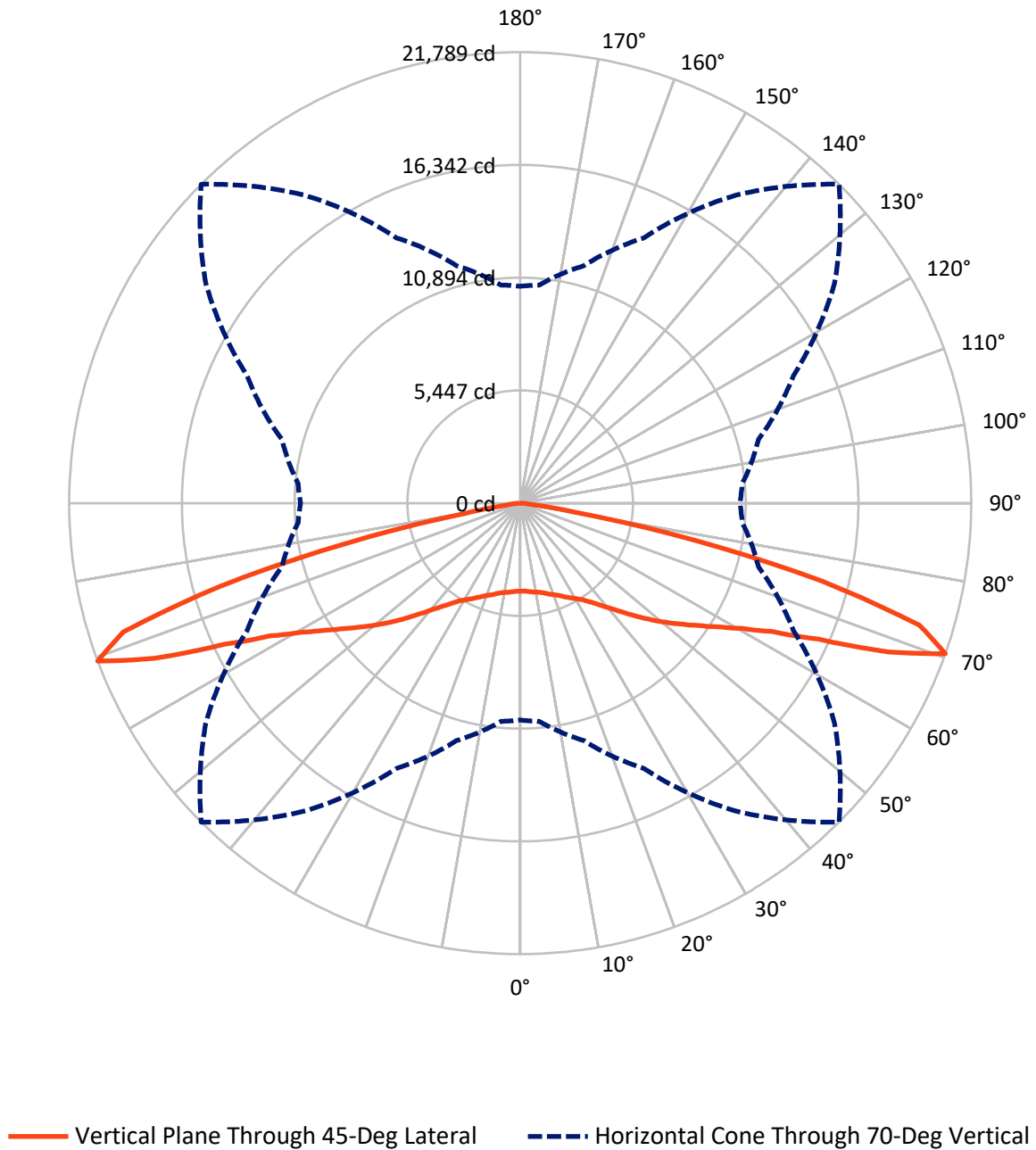


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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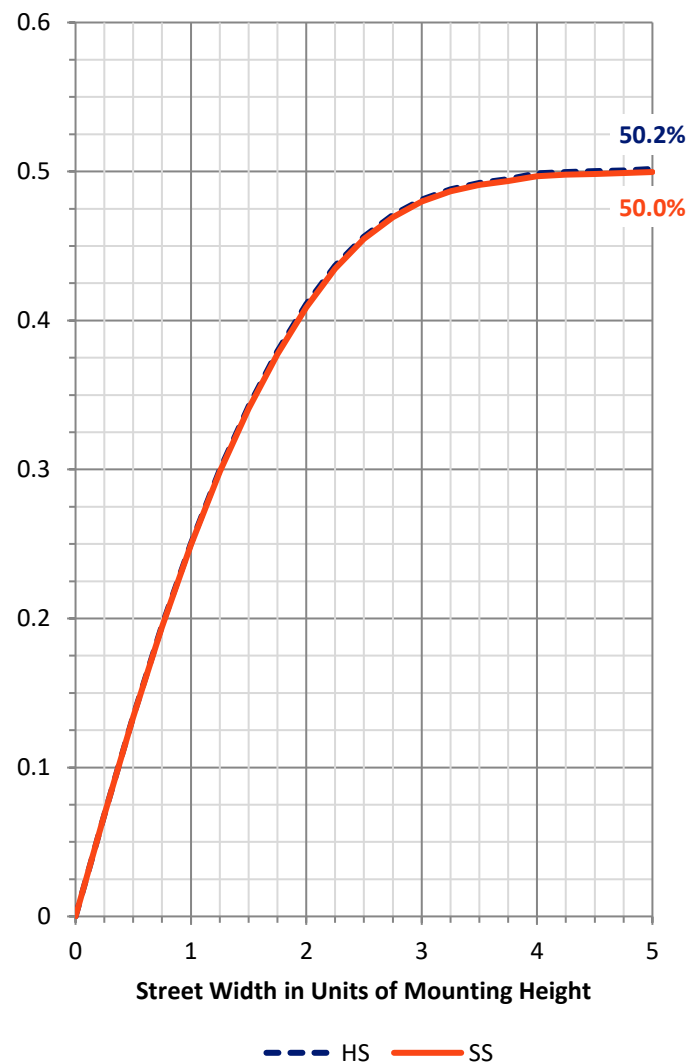
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22186.0	0.0	22186.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22186.0	0.0	22186.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44372.0	0.0	44372.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.9	0.9
10°-20°	1280.4	2.9
20°-30°	2288.3	5.2
30°-40°	3709.3	8.4
40°-50°	6041.8	13.6
50°-60°	9211.7	20.8
60°-70°	13704.1	30.9
70°-80°	7469.2	16.8
80°-90°	254.3	0.6
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°	44372.0	100.0
0°-180°	44372.0	100.0

Coefficient of Utilization



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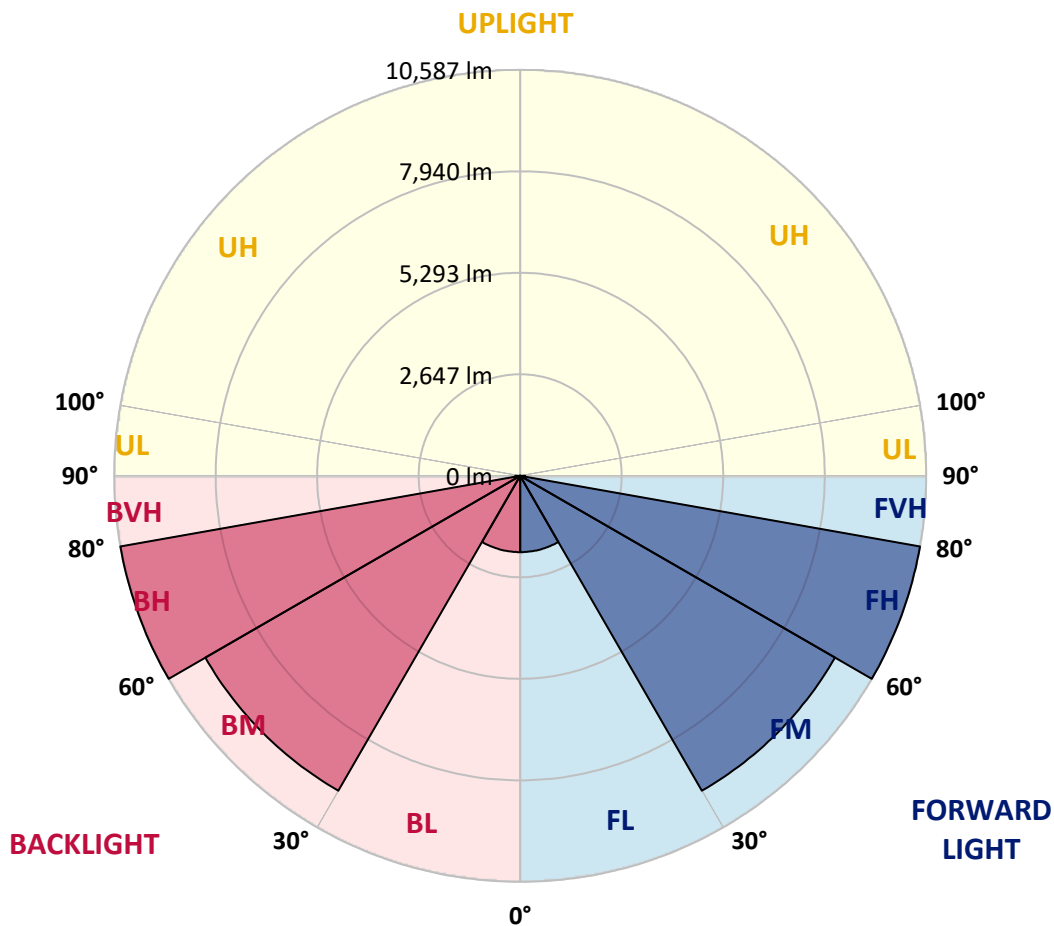
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1990.8	4.5			
FM	(30°-60°)	9481.4	21.4			
FH	(60°-80°)	10586.6	23.9			G4/12000
FVH	(80°-90°)	127.2	0.3			G2/225
BL	(0°-30°)	1990.8	4.5	B3/2500		
BM	(30°-60°)	9481.4	21.4	B5		
BH	(60°-80°)	10586.6	23.9	B5		G4/12000
BVH	(80°-90°)	127.2	0.3			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4	4250.4
2.5°	4270.4	4274.9	4266.0	4261.5	4257.1	4250.4	4252.6	4263.7	4272.7	4270.4	4272.7
5°	4306.1	4310.5	4303.8	4301.6	4292.7	4290.5	4290.5	4301.6	4308.3	4303.8	4306.1
7.5°	4346.2	4352.9	4341.7	4339.5	4335.0	4330.6	4328.3	4339.5	4346.2	4346.2	4346.2
10°	4384.0	4390.7	4381.8	4375.1	4370.7	4370.7	4366.2	4375.1	4386.3	4384.0	4384.0
12.5°	4424.1	4428.6	4419.7	4415.2	4415.2	4421.9	4415.2	4419.7	4428.6	4424.1	4421.9
15°	4473.1	4475.4	4473.1	4479.8	4491.0	4513.2	4493.2	4488.7	4493.2	4482.1	4482.1
17.5°	4540.0	4544.4	4553.3	4568.9	4584.5	4624.6	4589.0	4577.8	4577.8	4555.6	4555.6
20°	4622.4	4629.1	4642.4	4669.2	4689.2	4727.1	4691.5	4675.9	4669.2	4640.2	4640.2
22.5°	4709.3	4720.4	4740.5	4776.1	4811.7	4847.4	4811.7	4785.0	4765.0	4727.1	4724.9
25°	4809.5	4822.9	4854.1	4912.0	4961.0	5012.2	4969.9	4916.4	4876.4	4822.9	4820.7
27.5°	4952.1	4967.7	5005.6	5076.8	5139.2	5183.8	5143.7	5074.6	5018.9	4954.3	4952.1
30°	5152.6	5168.2	5212.7	5288.5	5330.8	5359.8	5333.0	5279.6	5212.7	5139.2	5139.2
32.5°	5411.0	5431.0	5480.0	5551.3	5560.2	5564.7	5555.8	5529.1	5480.0	5390.9	5393.2
35°	5738.5	5760.7	5816.4	5874.3	5865.4	5874.3	5861.0	5852.1	5816.4	5714.0	5714.0
37.5°	6139.4	6166.2	6224.1	6268.6	6246.4	6235.2	6237.5	6239.7	6219.6	6106.0	6106.0
40°	6605.0	6640.7	6683.0	6729.8	6691.9	6658.5	6680.8	6698.6	6680.8	6564.9	6564.9
42.5°	7084.0	7135.2	7179.8	7246.6	7215.4	7173.1	7204.3	7224.3	7186.4	7061.7	7070.6
45°	7616.4	7665.4	7723.3	7823.5	7801.3	7756.7	7801.3	7805.7	7741.1	7594.1	7609.7
47.5°	8166.6	8217.8	8304.7	8438.4	8429.5	8380.5	8438.4	8407.2	8324.8	8148.8	8137.6
50°	8687.9	8759.2	8892.8	9079.9	9097.8	9037.6	9115.6	9055.4	8917.3	8696.8	8692.3
52.5°	9178.0	9253.7	9465.3	9719.3	9783.9	9705.9	9810.6	9705.9	9498.7	9215.8	9189.1
55°	9692.6	9777.2	10028.9	10360.9	10490.1	10432.1	10530.2	10372.0	10077.9	9734.9	9688.1
57.5°	10298.5	10349.7	10650.5	11044.7	11263.1	11276.4	11321.0	11053.7	10697.2	10307.4	10253.9
60°	10955.6	11026.9	11354.4	11826.7	12171.9	12283.3	12236.5	11840.0	11425.7	10977.9	10906.6
62.5°	11797.7	11875.7	12267.7	12833.6	13379.3	13655.6	13472.9	12898.2	12385.8	11848.9	11755.4
65°	12495.0	12581.8	13290.2	14299.4	15292.9	15847.6	15388.7	14330.5	13408.3	12650.9	12526.1
67.5°	11989.3	12096.2	13207.8	15061.2	17531.7	19186.8	17616.3	15288.4	13481.8	12454.9	12301.1
70°	10478.9	10579.2	11875.7	14141.2	18162.1	21788.8	18540.8	14557.8	11918.0	10768.5	10614.8
72.5°	6957.0	7280.0	8592.1	11309.8	16217.4	20162.6	16377.8	11080.4	7970.6	6941.4	6716.4
75°	2307.9	2566.3	3461.8	5863.2	10862.1	15079.0	10340.8	5188.2	2742.3	1973.7	1866.8
77.5°	581.4	670.5	924.5	1677.4	4332.8	8585.4	3900.6	1370.0	746.3	521.3	465.6
80°	282.9	311.9	445.5	559.1	1084.9	2728.9	1018.0	525.7	352.0	271.8	249.5
82.5°	155.9	158.2	251.7	316.3	403.2	706.2	418.8	307.4	202.7	164.8	164.8
85°	95.8	93.6	133.7	169.3	169.3	251.7	200.5	169.3	115.8	102.5	106.9
87.5°	37.9	37.9	49.0	53.5	46.8	64.6	51.2	55.7	44.6	42.3	44.6
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)