

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: P956632

Luminaire Tested: **GALN-SB9B-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956632
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49821 lumens
Efficiency: N/A
Efficacy: 151.2 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



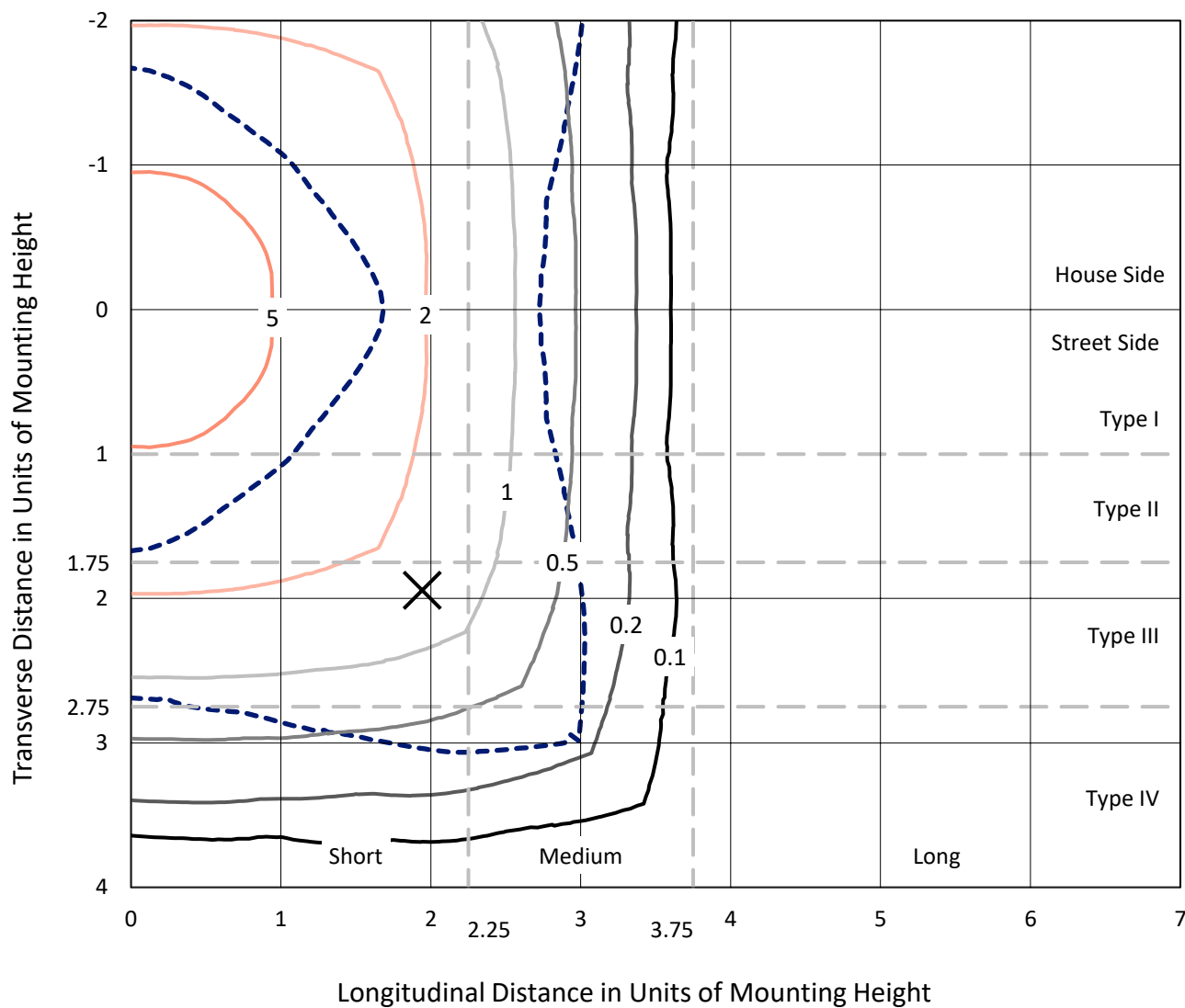
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

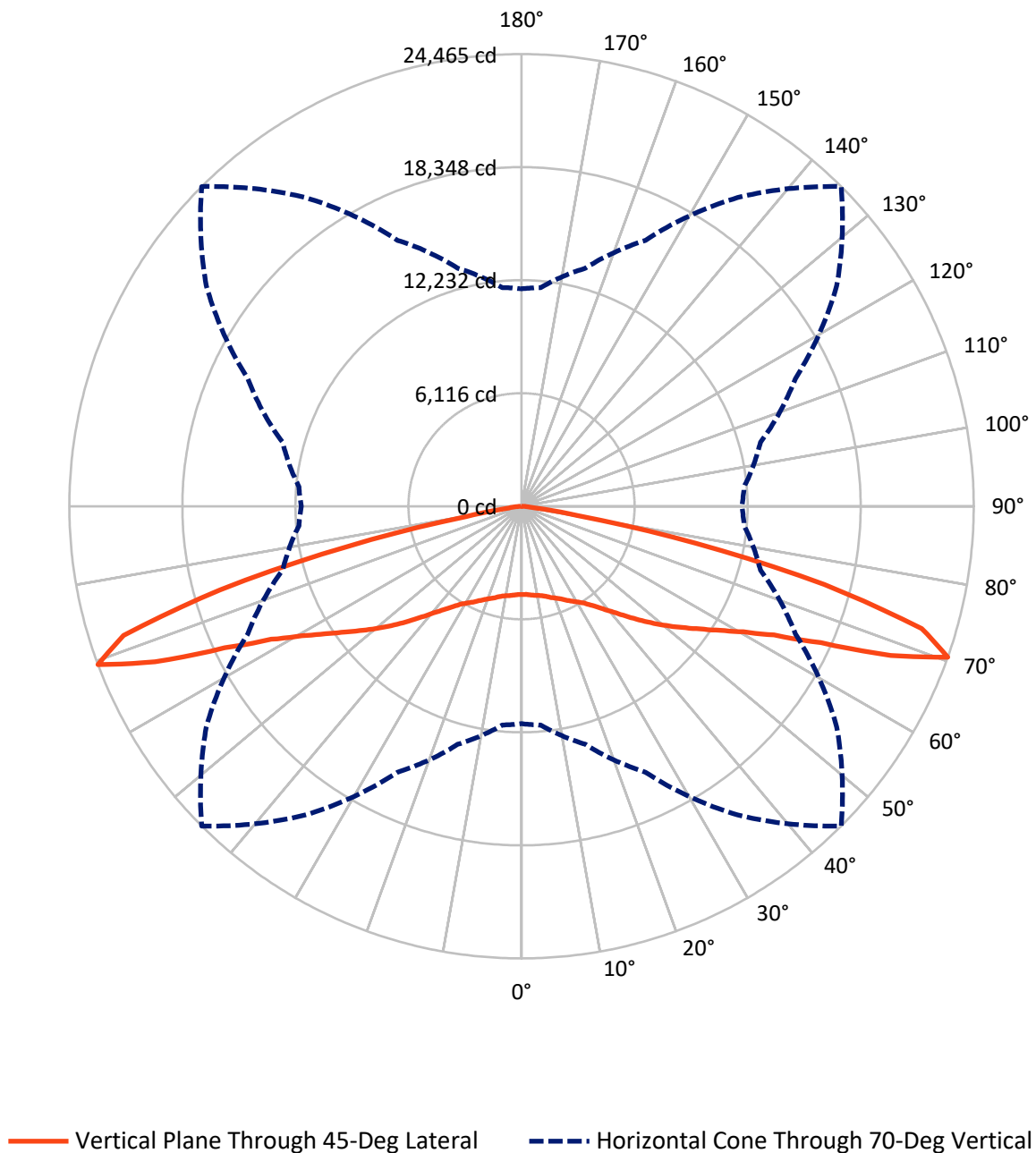


Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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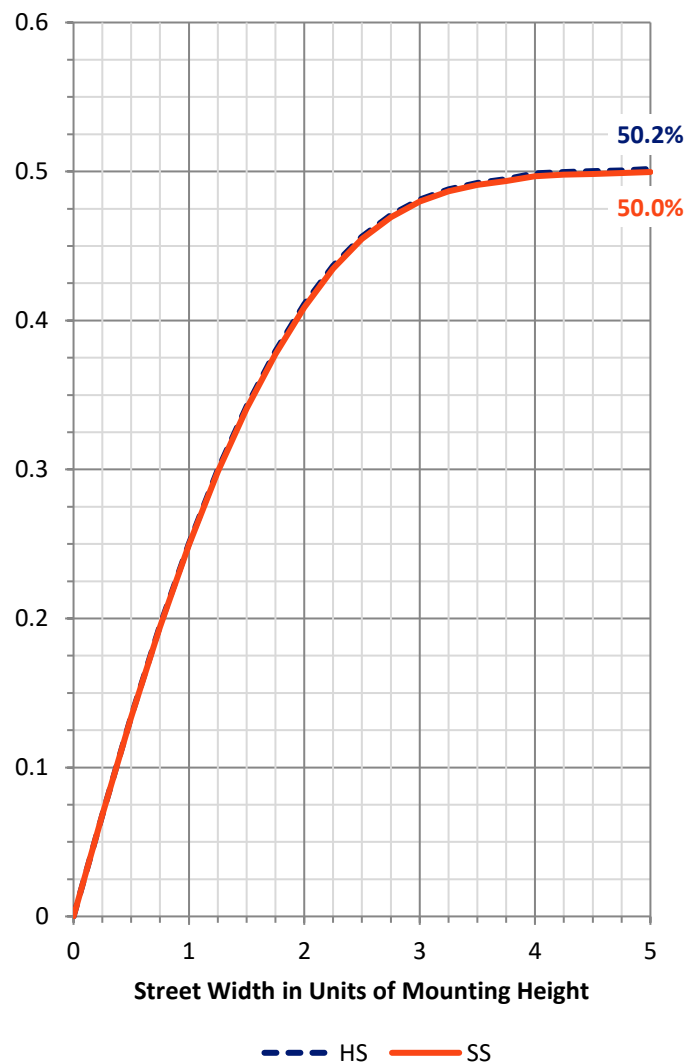
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24910.5	0.0	24910.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24910.5	0.0	24910.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49821.0	0.0	49821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.6	0.9
10°-20°	1437.7	2.9
20°-30°	2569.3	5.2
30°-40°	4164.8	8.4
40°-50°	6783.8	13.6
50°-60°	10342.9	20.8
60°-70°	15387.0	30.9
70°-80°	8386.4	16.8
80°-90°	285.6	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°	49821.0	100.0
0°-180°	49821.0	100.0

Coefficient of Utilization



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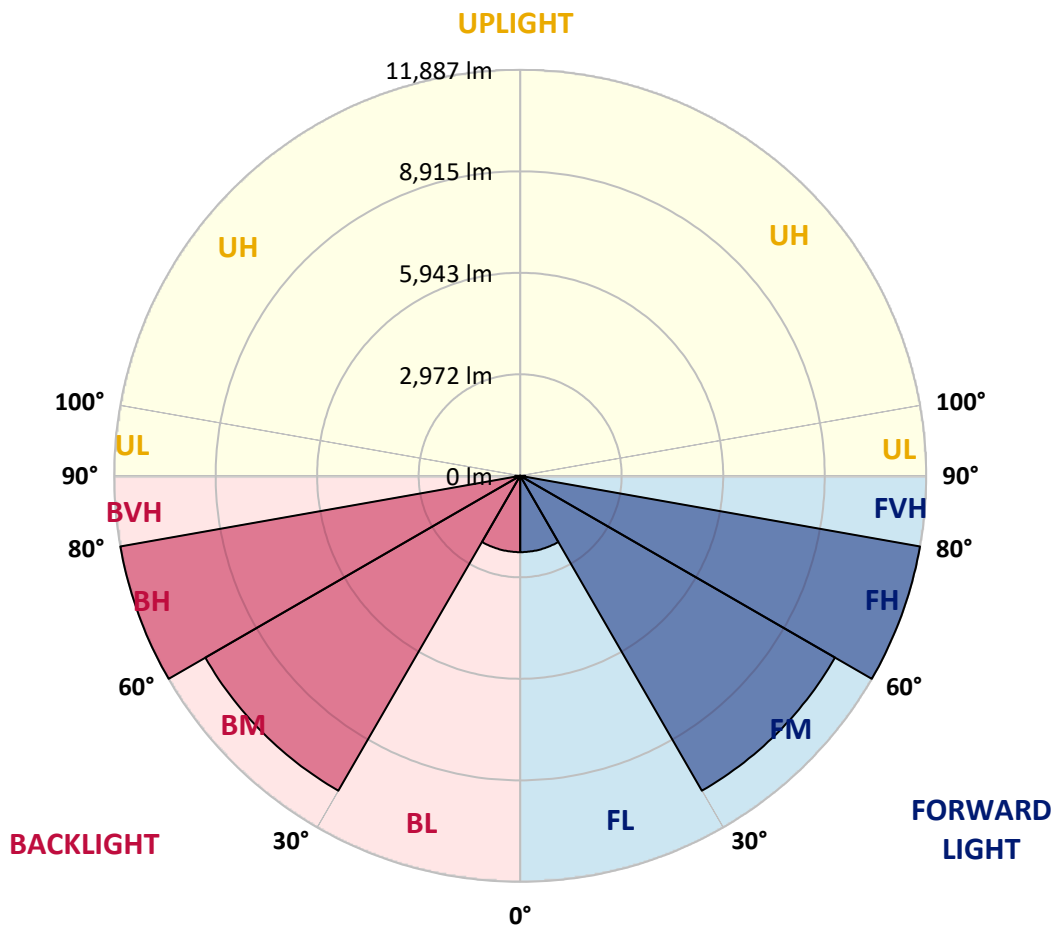
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2235.3	4.5			
FM	(30°-60°)	10645.7	21.4			
FH	(60°-80°)	11886.7	23.9			G4/12000
FVH	(80°-90°)	142.8	0.3			G2/225
BL	(0°-30°)	2235.3	4.5	B3/2500		
BM	(30°-60°)	10645.7	21.4	B5		
BH	(60°-80°)	11886.7	23.9	B5		G4/12000
BVH	(80°-90°)	142.8	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°	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3
2.5°	4794.8	4799.8	4789.8	4784.8	4779.8	4772.3	4774.8	4787.3	4797.3	4794.8	4797.3
5°	4834.9	4839.9	4832.4	4829.9	4819.9	4817.4	4817.4	4829.9	4837.4	4832.4	4834.9
7.5°	4879.9	4887.4	4874.9	4872.4	4867.4	4862.4	4859.9	4872.4	4879.9	4879.9	4879.9
10°	4922.4	4929.9	4919.9	4912.4	4907.4	4907.4	4902.4	4912.4	4924.9	4922.4	4922.4
12.5°	4967.4	4972.4	4962.4	4957.4	4957.4	4964.9	4957.4	4962.4	4972.4	4967.4	4964.9
15°	5022.5	5025.0	5022.5	5030.0	5042.5	5067.5	5045.0	5040.0	5045.0	5032.5	5032.5
17.5°	5097.5	5102.5	5112.5	5130.0	5147.5	5192.5	5152.5	5140.0	5140.0	5115.0	5115.0
20°	5190.0	5197.5	5212.6	5242.6	5265.1	5307.6	5267.6	5250.1	5242.6	5210.1	5210.1
22.5°	5287.6	5300.1	5322.6	5362.6	5402.6	5442.7	5402.6	5372.6	5350.1	5307.6	5305.1
25°	5400.1	5415.2	5450.2	5515.2	5570.2	5627.8	5580.2	5520.2	5475.2	5415.2	5412.6
27.5°	5560.2	5577.7	5620.3	5700.3	5770.3	5820.3	5775.3	5697.8	5635.3	5562.7	5560.2
30°	5785.3	5802.8	5852.9	5937.9	5985.4	6017.9	5987.9	5927.9	5852.9	5770.3	5770.3
32.5°	6075.5	6098.0	6153.0	6233.1	6243.1	6248.1	6238.1	6208.0	6153.0	6053.0	6055.5
35°	6443.2	6468.2	6530.7	6595.7	6585.7	6595.7	6580.7	6570.7	6530.7	6415.6	6415.6
37.5°	6893.4	6923.4	6988.4	7038.4	7013.4	7000.9	7003.4	7005.9	6983.4	6855.9	6855.9
40°	7416.1	7456.1	7503.7	7556.2	7513.7	7476.2	7501.2	7521.2	7501.2	7371.1	7371.1
42.5°	7953.9	8011.4	8061.4	8136.5	8101.5	8053.9	8089.0	8111.5	8068.9	7928.9	7938.9
45°	8551.7	8606.7	8671.7	8784.3	8759.3	8709.3	8759.3	8764.3	8691.8	8526.7	8544.2
47.5°	9169.5	9227.0	9324.6	9474.6	9464.6	9409.6	9474.6	9439.6	9347.1	9149.5	9137.0
50°	9754.8	9834.8	9984.9	10195.0	10215.0	10147.5	10235.0	10167.5	10012.4	9764.8	9759.8
52.5°	10305.0	10390.1	10627.7	10912.8	10985.4	10897.8	11015.4	10897.8	10665.2	10347.6	10317.6
55°	10882.8	10977.9	11260.5	11633.2	11778.3	11713.2	11823.3	11645.7	11315.5	10930.4	10877.8
57.5°	11563.2	11620.7	11958.4	12401.1	12646.2	12661.2	12711.2	12411.1	12010.9	11573.2	11513.1
60°	12301.0	12381.1	12748.7	13279.0	13666.7	13791.8	13739.2	13294.0	12828.8	12326.0	12246.0
62.5°	13246.5	13334.0	13774.2	14409.6	15022.4	15332.5	15127.4	14482.1	13906.8	13304.0	13199.0
65°	14029.4	14126.9	14922.3	16055.4	17170.9	17793.7	17278.5	16090.4	15054.9	14204.5	14064.4
67.5°	13461.6	13581.6	14829.8	16910.8	19684.6	21543.0	19779.7	17165.9	15137.4	13984.3	13811.8
70°	11765.8	11878.3	13334.0	15877.8	20392.5	24464.5	20817.7	16345.5	13381.6	12090.9	11918.3
72.5°	7811.3	8174.0	9647.2	12698.7	18208.9	22638.6	18389.0	12441.1	8949.4	7793.8	7541.2
75°	2591.3	2881.4	3886.9	6583.2	12196.0	16930.8	11610.7	5825.4	3079.0	2216.1	2096.0
77.5°	652.8	752.9	1038.0	1883.4	4864.9	9639.7	4379.6	1538.3	837.9	585.3	522.8
80°	317.7	350.2	500.2	627.8	1218.1	3064.0	1143.1	590.3	395.2	305.1	280.1
82.5°	175.1	177.6	282.6	355.2	452.7	792.9	470.2	345.2	227.6	185.1	185.1
85°	107.6	105.1	150.1	190.1	190.1	282.6	225.1	190.1	130.1	115.1	120.1
87.5°	42.5	42.5	55.0	60.0	52.5	72.5	57.5	62.5	50.0	47.5	50.0
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)