

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: P956276

Luminaire Tested: **GALN-SB9A-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39712 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 255.5
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

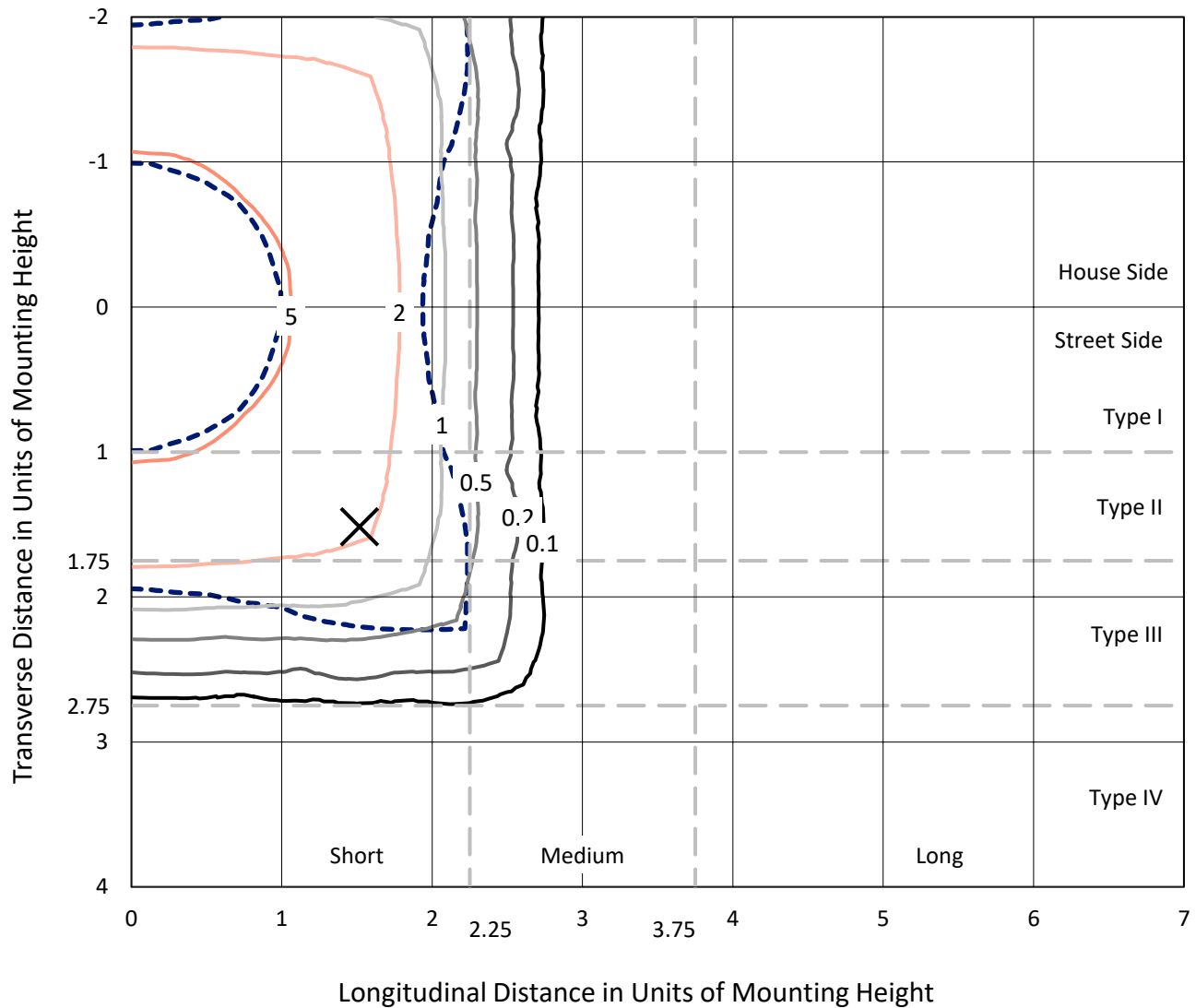


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

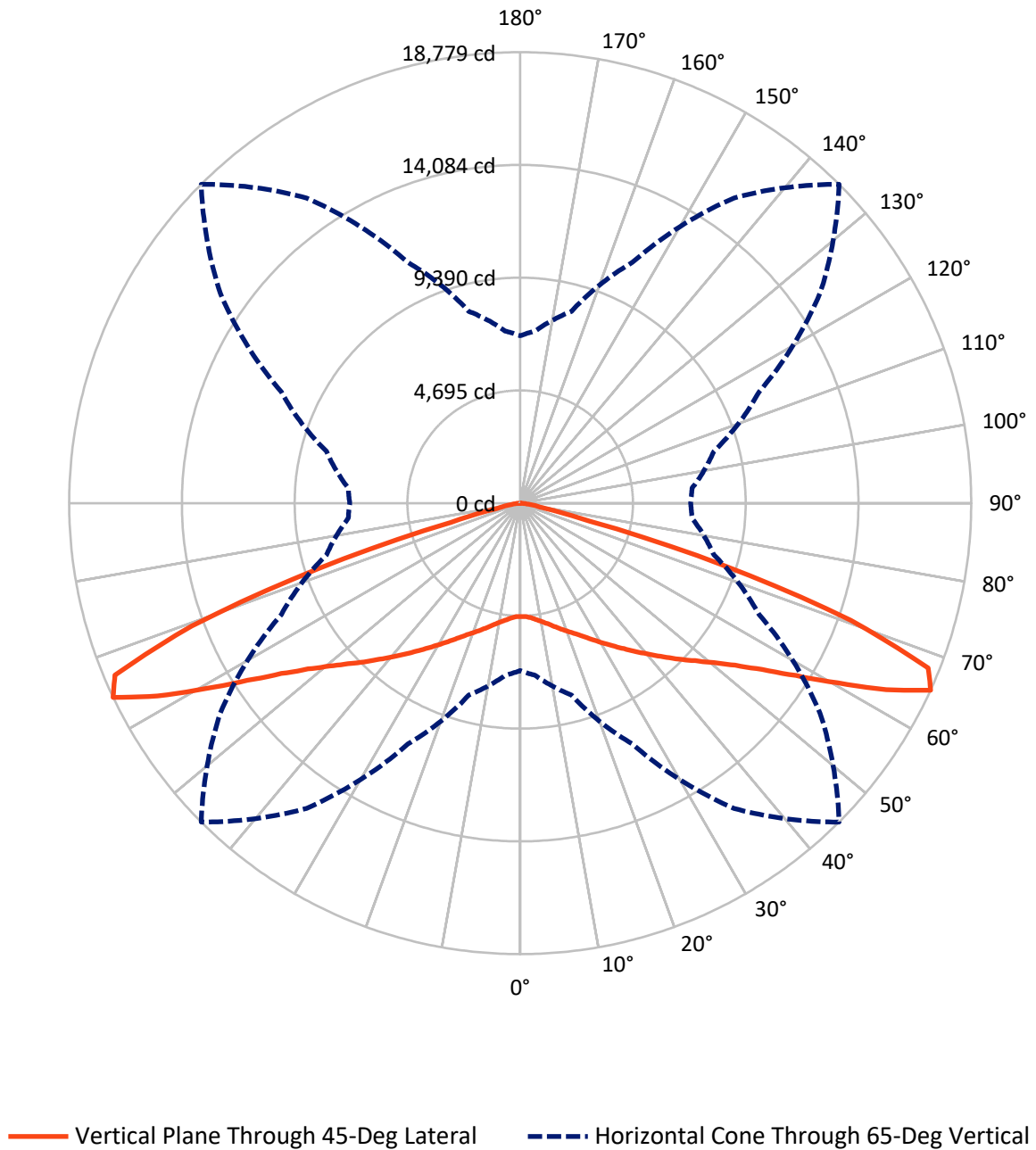


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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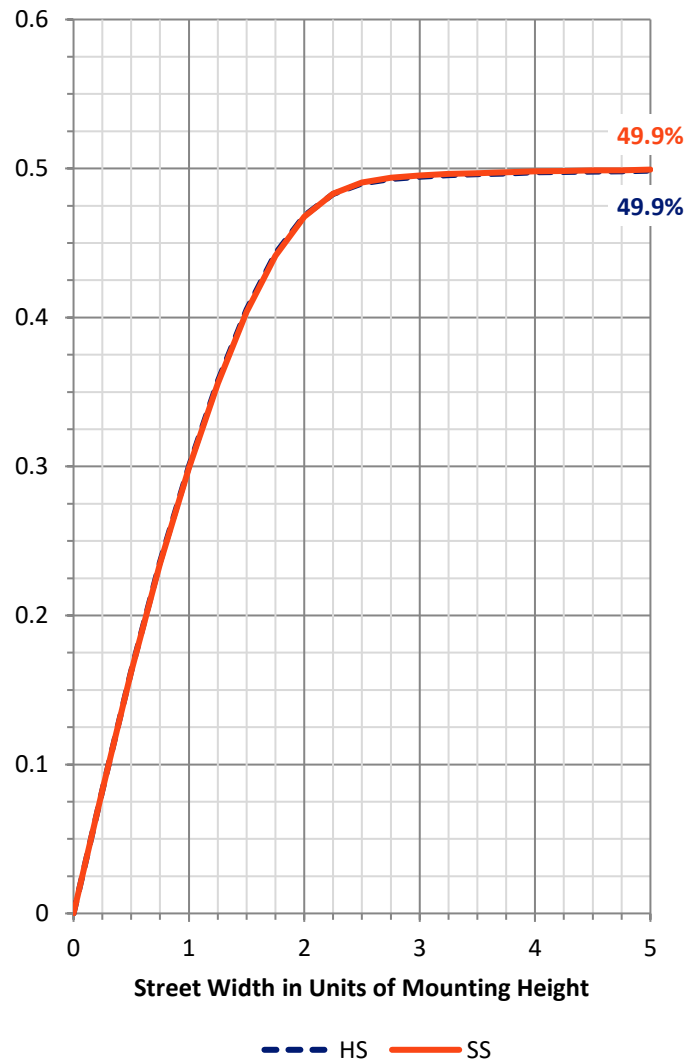
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19856.0	0.0	19856.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19856.0	0.0	19856.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39712.0	0.0	39712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.4	1.2
10°-20°	1522.0	3.8
20°-30°	2873.7	7.2
30°-40°	4705.5	11.8
40°-50°	7295.9	18.4
50°-60°	10777.6	27.1
60°-70°	10259.3	25.8
70°-80°	1655.5	4.2
80°-90°	156.0	0.4
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°	39712.0	100.0
0°-180°	39712.0	100.0

Coefficient of Utilization



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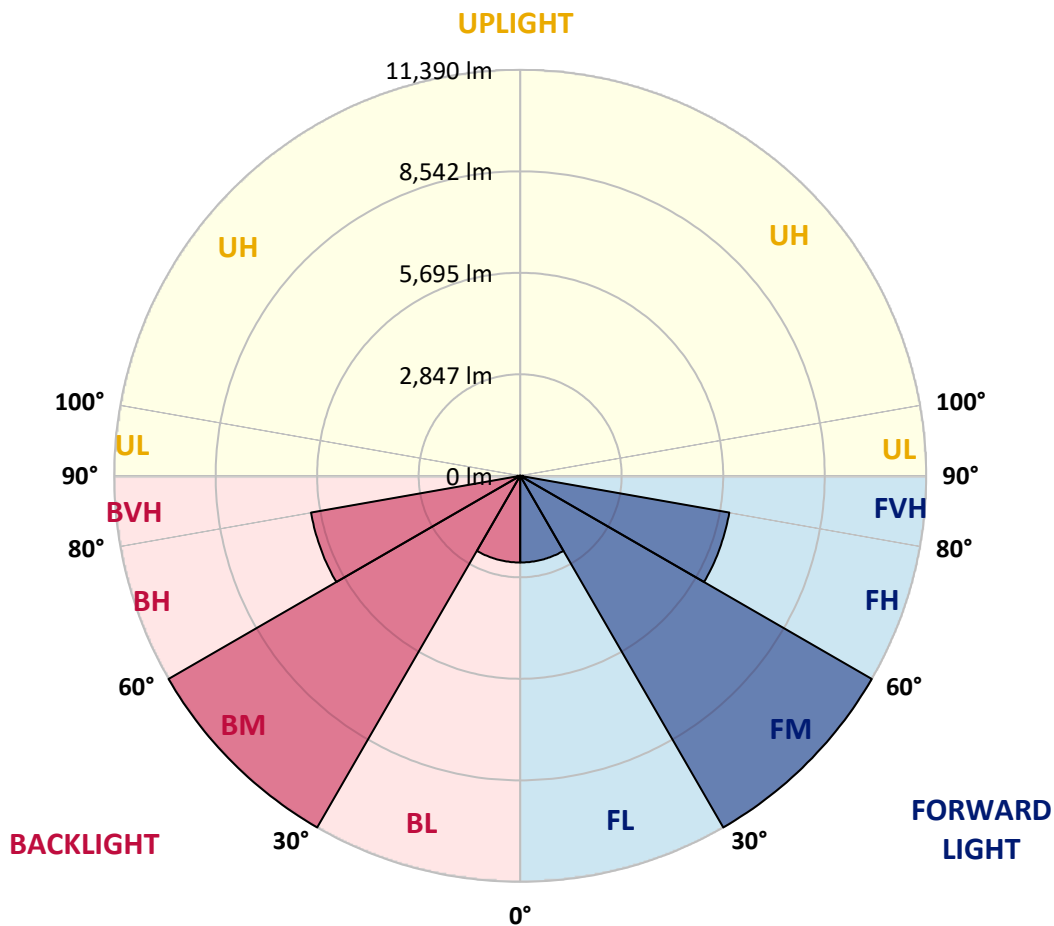
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2431.0	6.1			
FM	(30°-60°)	11389.6	28.7			
FH	(60°-80°)	5957.4	15.0			G3/7500
FVH	(80°-90°)	78.0	0.2			G1/100
BL	(0°-30°)	2431.0	6.1	B3/2500		
BM	(30°-60°)	11389.6	28.7	B5		
BH	(60°-80°)	5957.4	15.0	B5		G3/7500
BVH	(80°-90°)	78.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1	4726.1
2.5°	4758.0	4742.1	4754.0	4744.1	4736.1	4728.1	4732.1	4746.0	4752.0	4754.0	4754.0
5°	4821.8	4807.8	4813.8	4813.8	4799.8	4795.9	4797.9	4807.8	4819.8	4819.8	4819.8
7.5°	4925.4	4911.4	4925.4	4917.4	4905.4	4901.5	4899.5	4907.4	4925.4	4925.4	4919.4
10°	5050.9	5035.0	5042.9	5038.9	5025.0	5019.0	5017.0	5029.0	5044.9	5042.9	5038.9
12.5°	5188.4	5170.4	5180.4	5168.5	5164.5	5158.5	5158.5	5156.5	5166.5	5158.5	5162.5
15°	5341.8	5329.8	5333.8	5325.9	5331.8	5327.8	5311.9	5303.9	5307.9	5296.0	5298.0
17.5°	5523.1	5495.2	5509.2	5505.2	5505.2	5513.1	5487.2	5477.3	5485.3	5473.3	5483.3
20°	5732.3	5704.4	5710.4	5702.4	5692.5	5700.4	5668.6	5676.5	5682.5	5674.5	5692.5
22.5°	5961.5	5925.6	5923.6	5927.6	5905.7	5907.7	5885.7	5905.7	5917.6	5895.7	5917.6
25°	6196.6	6158.7	6184.6	6174.6	6146.8	6152.7	6136.8	6156.7	6166.7	6138.8	6170.7
27.5°	6445.6	6419.7	6443.6	6449.6	6415.7	6439.6	6415.7	6433.7	6443.6	6401.8	6433.7
30°	6736.5	6710.6	6732.5	6748.5	6708.6	6746.5	6726.6	6738.5	6740.5	6690.7	6720.6
32.5°	7053.3	7013.5	7069.3	7077.2	7033.4	7079.2	7053.3	7069.3	7079.2	7011.5	7057.3
35°	7439.9	7390.0	7453.8	7443.8	7406.0	7443.8	7419.9	7443.8	7467.8	7386.1	7435.9
37.5°	7856.3	7804.5	7872.2	7854.3	7818.4	7844.3	7830.4	7846.3	7884.2	7796.5	7850.3
40°	8314.6	8250.8	8342.4	8310.6	8276.7	8272.7	8280.7	8290.6	8340.5	8242.8	8274.7
42.5°	8804.7	8737.0	8874.4	8824.6	8776.8	8744.9	8770.8	8790.8	8838.6	8729.0	8786.8
45°	9364.6	9286.9	9466.2	9406.4	9330.7	9265.0	9306.8	9336.7	9406.4	9274.9	9342.7
47.5°	9982.2	9894.6	10085.9	10067.9	9944.4	9800.9	9896.6	9982.2	10034.0	9874.7	9928.4
50°	10586.0	10518.2	10769.3	10791.2	10639.8	10438.5	10572.0	10701.5	10715.5	10506.3	10532.2
52.5°	11151.8	11084.1	11448.7	11586.2	11450.7	11211.6	11353.1	11484.6	11379.0	11108.0	11116.0
55°	11604.1	11548.3	12012.6	12367.2	12413.1	12215.8	12299.5	12295.5	11948.8	11532.4	11546.3
57.5°	11713.7	11705.7	12291.5	13042.7	13520.9	13544.8	13379.4	12957.0	12209.8	11649.9	11614.1
60°	11215.6	11265.4	12070.3	13395.3	14670.5	15200.5	14485.2	13279.8	11912.9	11135.9	11044.2
62.5°	9725.2	9856.7	10827.1	12965.0	15599.0	17105.3	15371.9	12789.6	10693.6	9679.4	9619.6
65°	6969.6	7198.8	8270.7	11064.2	15515.3	18779.0	15244.3	10974.5	8350.4	7180.8	7095.2
67.5°	3162.0	3395.2	4305.7	7575.3	13487.0	18324.7	13455.1	7655.0	4520.9	3407.1	3357.3
70°	1145.7	1185.5	1478.4	3032.5	8619.4	14600.8	8988.0	3054.4	1572.1	1263.2	1247.3
72.5°	693.4	699.4	761.1	1085.9	2994.7	8864.5	3122.2	1121.8	777.1	689.4	701.3
75°	440.3	436.3	542.0	663.5	1062.0	2990.7	1113.8	663.5	540.0	492.1	496.1
77.5°	316.8	326.8	388.5	496.1	669.5	1014.2	657.5	474.2	388.5	318.8	324.8
80°	237.1	243.1	282.9	386.5	470.2	631.6	418.4	350.7	292.9	199.2	205.2
82.5°	171.4	171.4	185.3	280.9	286.9	340.7	227.1	247.1	193.3	141.5	141.5
85°	101.6	99.6	115.6	167.4	149.4	125.5	103.6	151.4	121.5	87.7	85.7
87.5°	35.9	37.9	35.9	47.8	39.8	33.9	31.9	41.8	33.9	29.9	27.9
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)