

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: P955793

Luminaire Tested: **GALN-SB8C-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955793
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-SB8C-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38627 lumens
Efficiency: N/A
Efficacy: 96.6 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

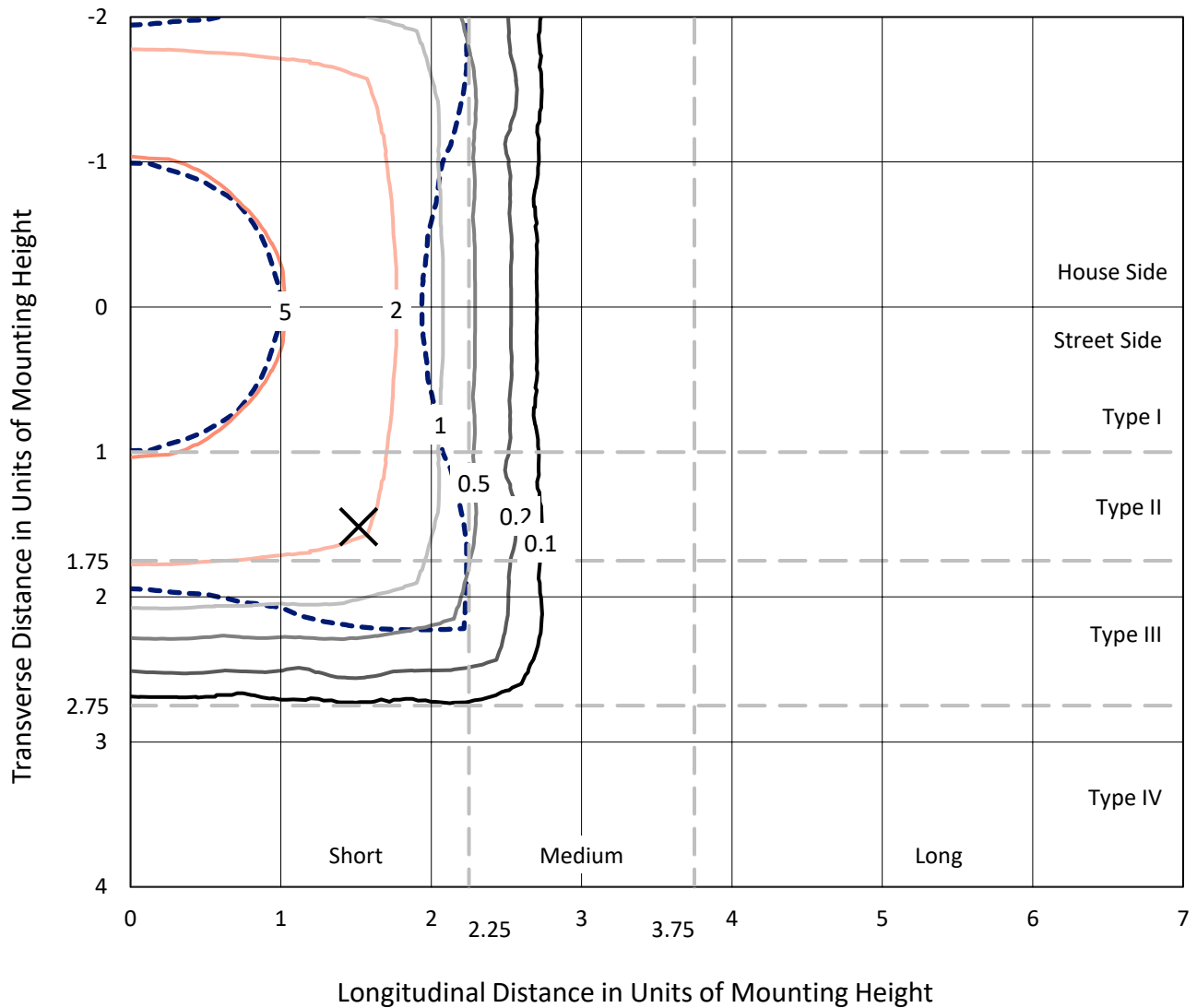
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

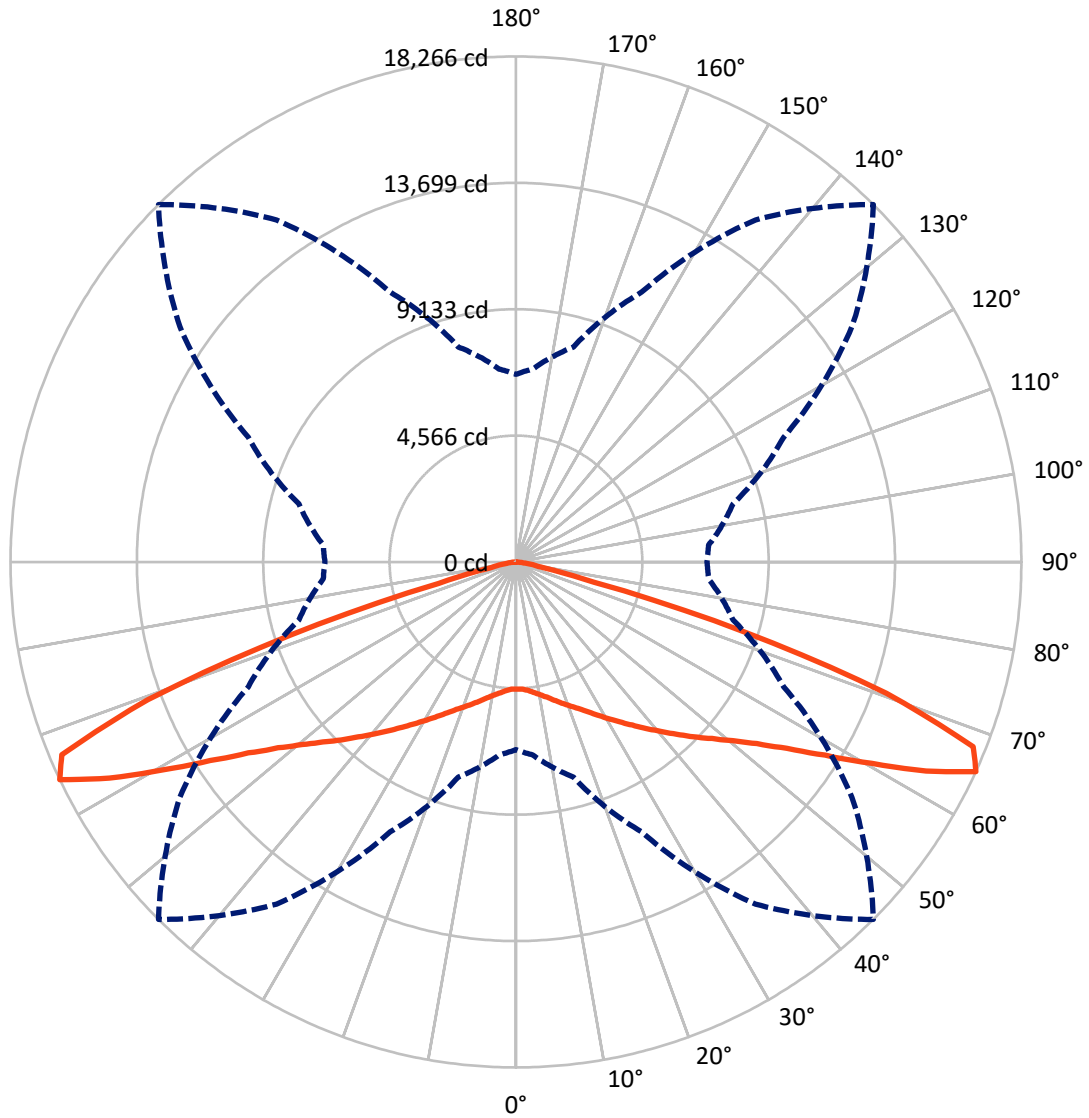
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19313.5	0.0	19313.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19313.5	0.0	19313.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38627.0	0.0	38627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.7	1.2
10°-20°	1480.4	3.8
20°-30°	2795.1	7.2
30°-40°	4577.0	11.8
40°-50°	7096.6	18.4
50°-60°	10483.2	27.1
60°-70°	9979.0	25.8
70°-80°	1610.3	4.2
80°-90°	151.8	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°	38627.0	100.0
0°-180°	38627.0	100.0

Coefficient of Utilization



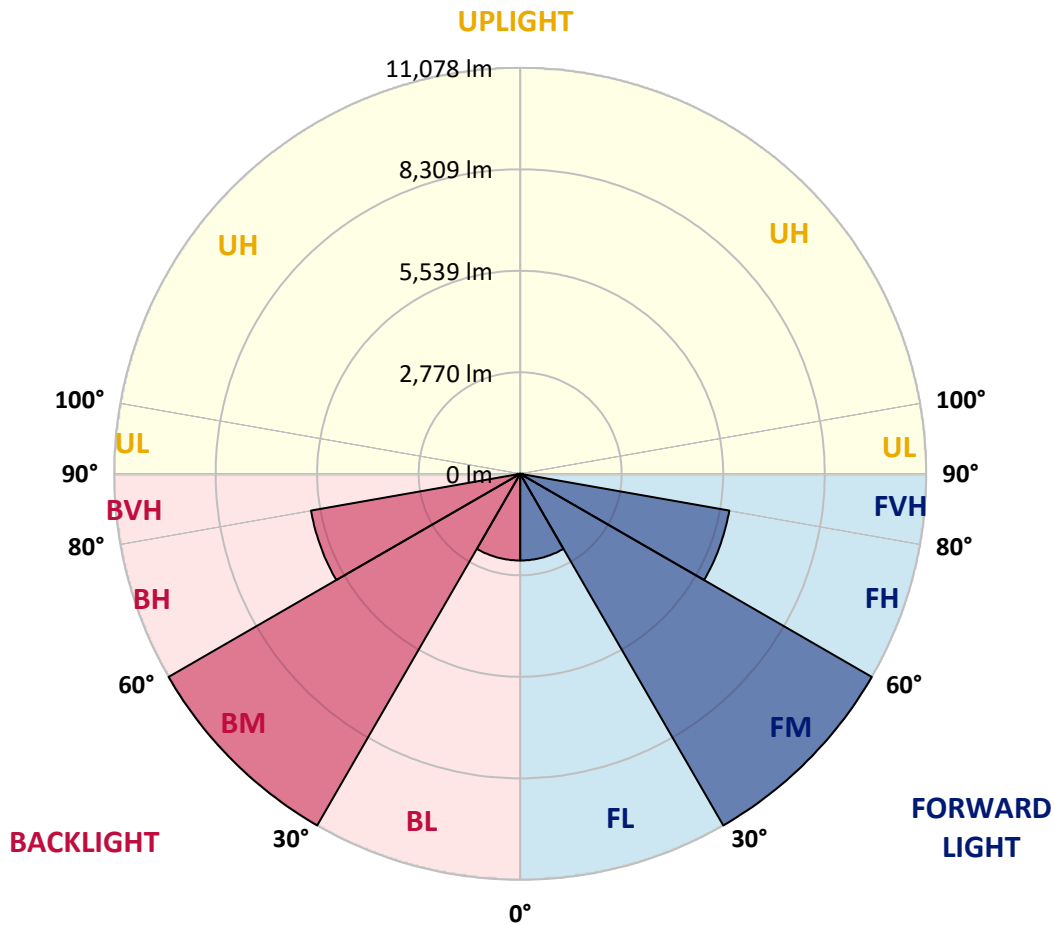
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2364.6	6.1			
FM (30°-60°)	11078.4	28.7			
FH (60°-80°)	5794.6	15.0			G3/7500
FVH (80°-90°)	75.9	0.2			G1/100
BL (0°-30°)	2364.6	6.1	B3/2500		
BM (30°-60°)	11078.4	28.7	B5		
BH (60°-80°)	5794.6	15.0	B5		G3/7500
BVH (80°-90°)	75.9	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°
0°	4597.0	4597.0	4597.0	4597.0	4597.0	4597.0	4597.0	4597.0	4597.0	4597.0
2.5°	4628.0	4612.5	4624.1	4614.4	4606.7	4598.9	4602.8	4616.4	4622.2	4624.1
5°	4690.0	4676.5	4682.3	4682.3	4668.7	4664.8	4666.8	4676.5	4688.1	4688.1
7.5°	4790.8	4777.2	4790.8	4783.0	4771.4	4767.5	4765.6	4773.4	4790.8	4790.8
10°	4912.9	4897.4	4905.1	4901.3	4887.7	4881.9	4880.0	4891.6	4907.1	4905.1
12.5°	5046.6	5029.2	5038.9	5027.2	5023.4	5017.6	5017.6	5015.6	5025.3	5017.6
15°	5195.8	5184.2	5188.1	5180.3	5186.2	5182.3	5166.8	5159.0	5162.9	5151.3
17.5°	5372.2	5345.1	5358.6	5354.8	5354.8	5362.5	5337.3	5327.6	5335.4	5323.8
20°	5575.7	5548.6	5554.4	5546.6	5536.9	5544.7	5513.7	5521.4	5527.3	5519.5
22.5°	5798.6	5763.7	5761.8	5765.6	5744.3	5746.2	5724.9	5744.3	5755.9	5734.6
25°	6027.3	5990.4	6015.6	6005.9	5978.8	5984.6	5969.1	5988.5	5998.2	5971.1
27.5°	6269.5	6244.3	6267.6	6273.4	6240.4	6263.7	6240.4	6257.9	6267.6	6226.9
30°	6552.5	6527.3	6548.6	6564.1	6525.3	6562.2	6542.8	6554.4	6556.3	6507.9
32.5°	6860.6	6821.9	6876.1	6883.9	6841.2	6885.8	6860.6	6876.1	6885.8	6819.9
35°	7236.6	7188.1	7250.2	7240.5	7203.6	7240.5	7217.2	7240.5	7263.7	7184.3
37.5°	7641.6	7591.3	7657.1	7639.7	7604.8	7630.0	7616.4	7631.9	7668.8	7583.5
40°	8087.4	8025.4	8114.5	8083.5	8050.6	8046.7	8054.4	8064.1	8112.6	8017.6
42.5°	8564.1	8498.2	8632.0	8583.5	8537.0	8506.0	8531.2	8550.6	8597.1	8490.5
45°	9108.7	9033.1	9207.6	9149.4	9075.8	9011.8	9052.5	9081.6	9149.4	9021.5
47.5°	9709.5	9624.2	9810.3	9792.8	9672.7	9533.2	9626.2	9709.5	9759.9	9604.9
50°	10296.7	10230.8	10475.0	10496.4	10349.1	10153.3	10283.2	10409.1	10422.7	10219.2
52.5°	10847.1	10781.2	11135.9	11269.6	11137.8	10905.3	11042.9	11170.8	11068.1	10804.5
55°	11287.1	11232.8	11684.4	12029.3	12073.9	11882.0	11963.4	11959.6	11622.3	11217.3
57.5°	11393.7	11385.9	11955.7	12686.3	13151.4	13174.7	13013.8	12603.0	11876.2	11331.6
60°	10909.2	10957.6	11740.6	13029.4	14269.7	14785.2	14089.5	12916.9	11587.5	10831.6
62.5°	9459.5	9587.4	10531.2	12610.7	15172.8	16638.0	14951.9	12440.2	10401.4	9414.9
65°	6779.2	7002.1	8044.7	10761.9	15091.4	18265.9	14827.8	10674.7	8122.3	6984.6
67.5°	3075.6	3302.4	4188.1	7368.4	13118.5	17824.0	13087.5	7445.9	4397.4	3314.0
70°	1114.4	1153.1	1438.0	2949.7	8383.9	14201.9	8742.4	2971.0	1529.1	1228.7
72.5°	674.4	680.2	740.3	1056.2	2912.9	8622.3	3036.9	1091.1	755.8	670.6
75°	428.3	424.4	527.1	645.4	1033.0	2909.0	1083.4	645.4	525.2	478.7
77.5°	308.1	317.8	377.9	482.6	651.2	986.5	639.5	461.3	377.9	310.1
80°	230.6	236.4	275.2	376.0	457.4	614.4	407.0	341.1	284.9	193.8
82.5°	166.7	166.7	180.2	273.3	279.1	331.4	220.9	240.3	188.0	137.6
85°	98.8	96.9	112.4	162.8	145.4	122.1	100.8	147.3	118.2	85.3
87.5°	34.9	36.8	34.9	46.5	38.8	32.9	31.0	40.7	32.9	29.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4597.0
4624.1
4688.1
4785.0
4901.3
5021.4
5153.2
5333.4
5536.9
5755.9
6002.1
6257.9
6537.0
6864.5
7232.7
7635.8
8048.6
8546.7
9087.4
9657.2
10244.4
10812.3
11230.9
11296.8
10742.5
9356.8
6901.3
3265.6
1213.2
682.2
482.6
315.9
199.6
137.6
83.3
27.1
0.0

OF REPORT)