

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: P957578

Luminaire Tested: **GALN-SB9D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957578
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-SB9D-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59120 lumens
Efficiency: N/A
Efficacy: 89.8 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

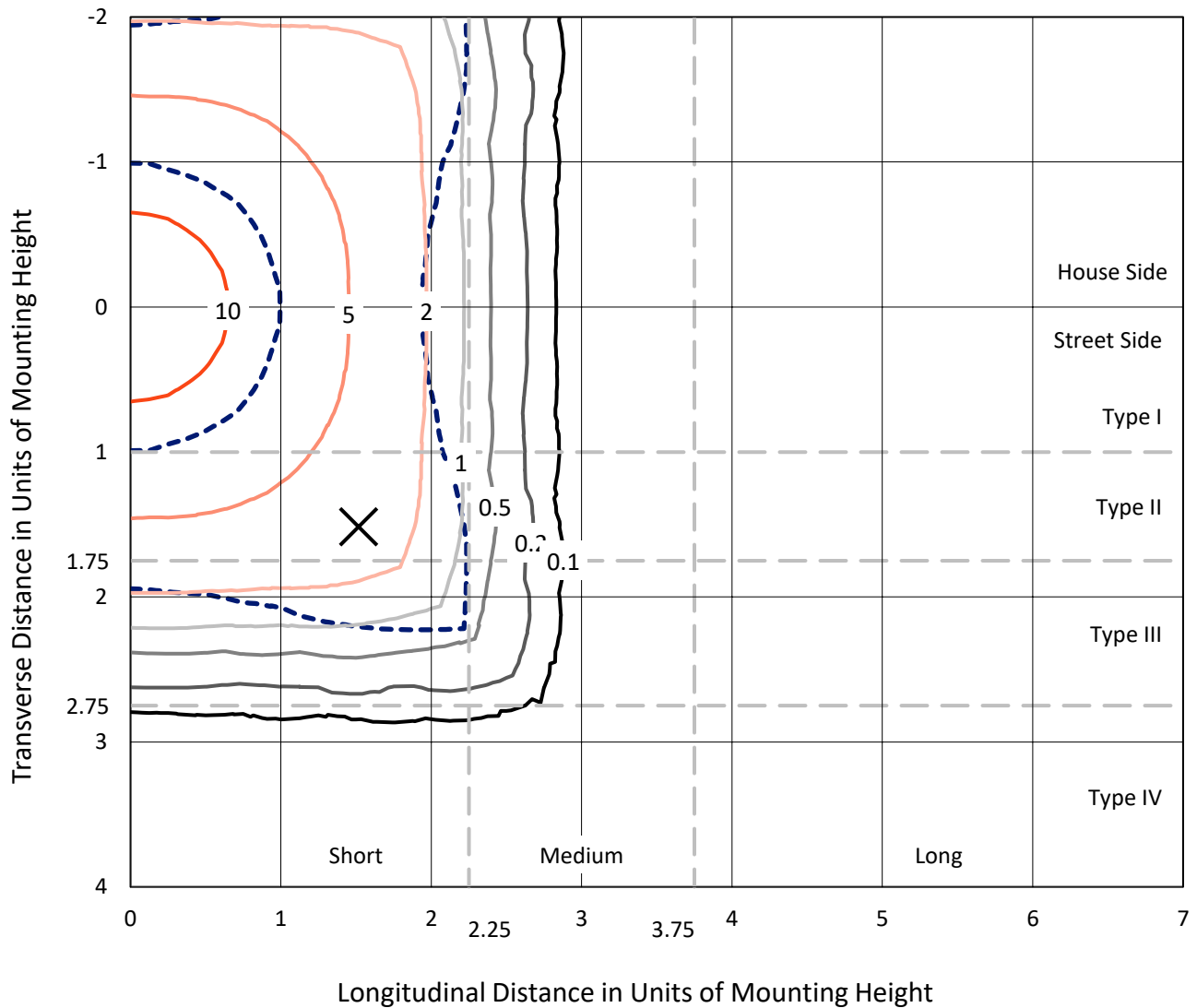
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

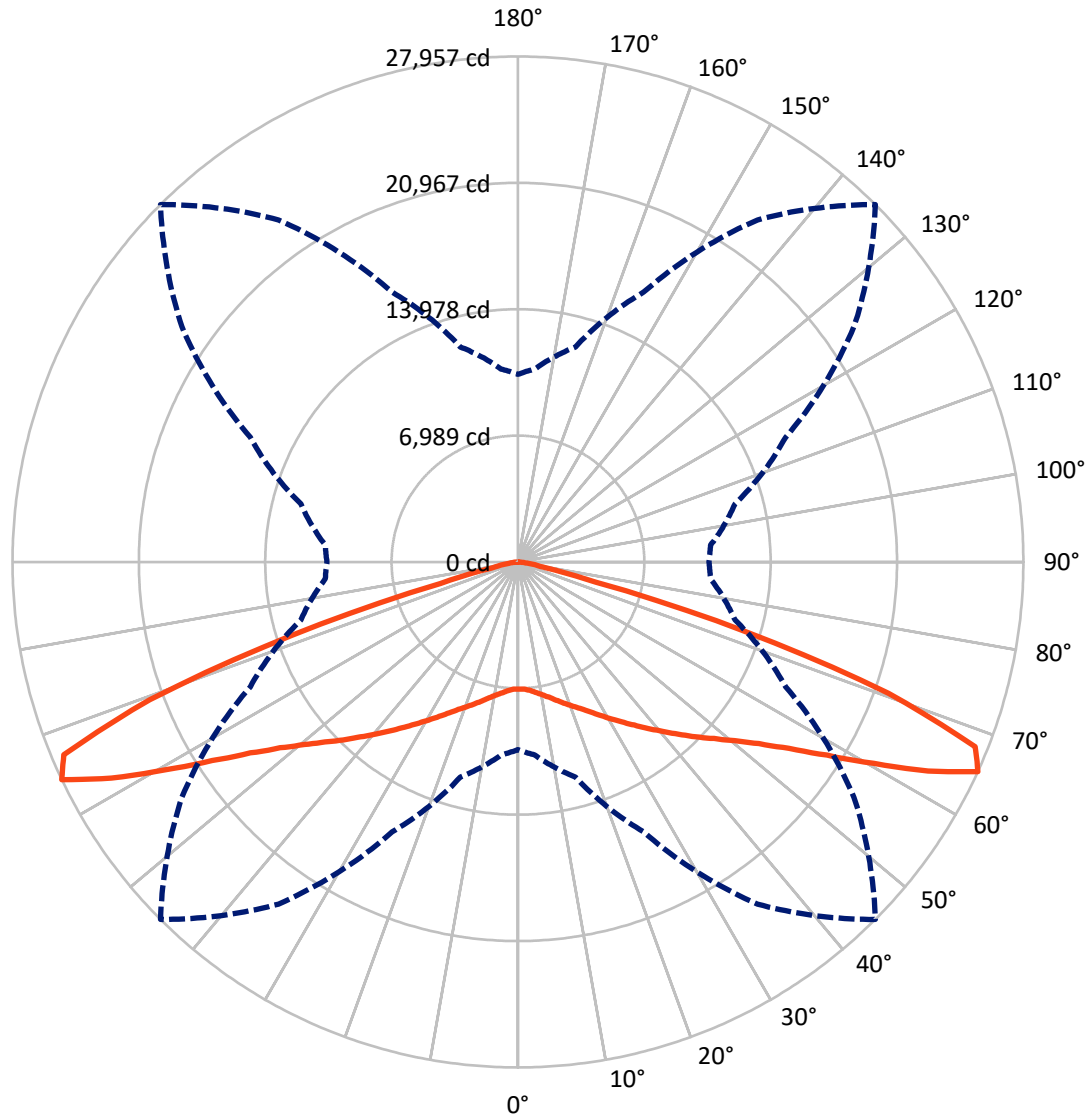
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	29560.0	0.0	29560.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29560.0	0.0	29560.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59120.0	0.0	59120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.4	1.2
10°-20°	2265.8	3.8
20°-30°	4278.1	7.2
30°-40°	7005.2	11.8
40°-50°	10861.6	18.4
50°-60°	16044.9	27.1
60°-70°	15273.2	25.8
70°-80°	2464.5	4.2
80°-90°	232.3	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°	59120.0	100.0
0°-180°	59120.0	100.0

Coefficient of Utilization



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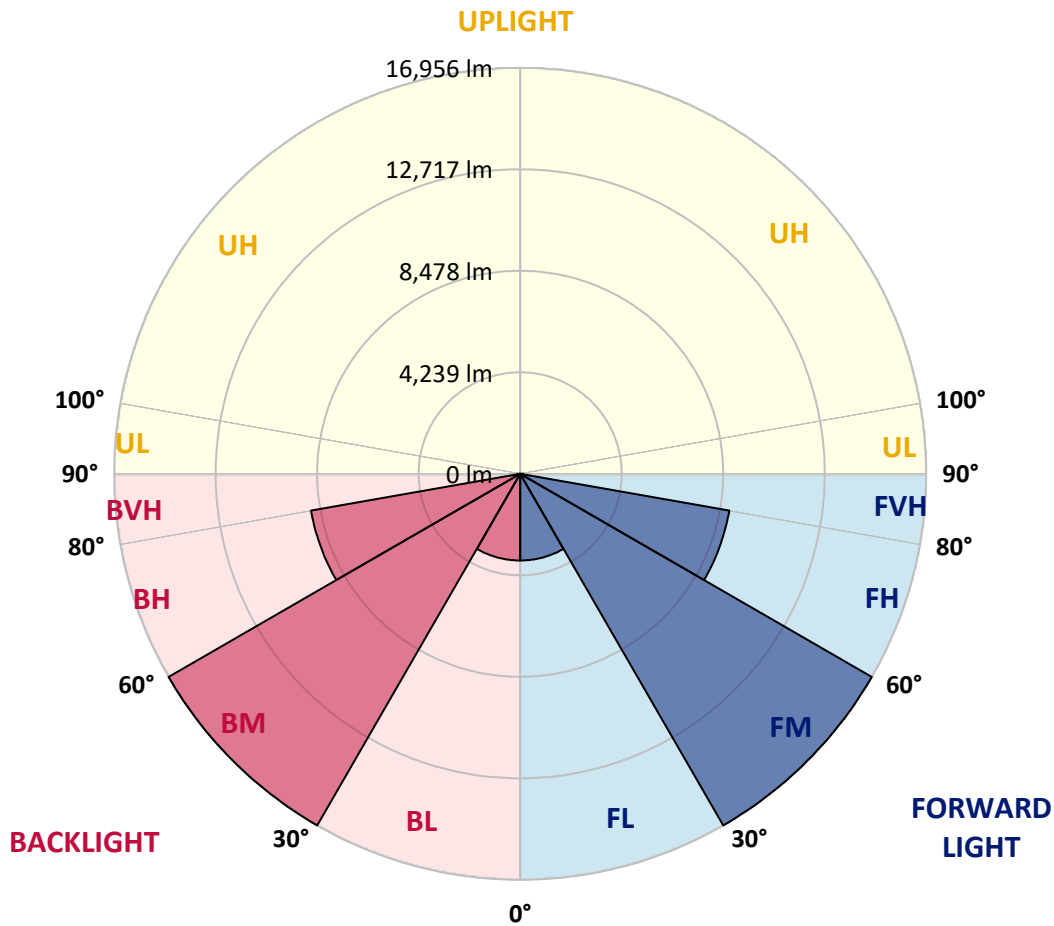
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3619.1	6.1			
FM (30°-60°)	16955.8	28.7			
FH (60°-80°)	8868.9	15.0			G4/12000
FVH (80°-90°)	116.2	0.2			G2/225
BL (0°-30°)	3619.1	6.1	B4/5000		
BM (30°-60°)	16955.8	28.7	B5		
BH (60°-80°)	8868.9	15.0	B5		G4/12000
BVH (80°-90°)	116.2	0.2			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°
0°	7035.9	7035.9	7035.9	7035.9	7035.9	7035.9	7035.9	7035.9	7035.9	7035.9
2.5°	7083.3	7059.6	7077.4	7062.6	7050.7	7038.8	7044.8	7065.5	7074.4	7077.4
5°	7178.2	7157.5	7166.4	7166.4	7145.6	7139.7	7142.7	7157.5	7175.3	7175.3
7.5°	7332.5	7311.7	7332.5	7320.6	7302.8	7296.9	7293.9	7305.8	7332.5	7332.5
10°	7519.4	7495.6	7507.5	7501.6	7480.8	7471.9	7468.9	7486.7	7510.5	7507.5
12.5°	7724.0	7697.3	7712.2	7694.4	7688.4	7679.5	7679.5	7676.6	7691.4	7679.5
15°	7952.4	7934.6	7940.6	7928.7	7937.6	7931.7	7907.9	7896.1	7902.0	7884.2
17.5°	8222.4	8180.8	8201.6	8195.7	8195.7	8207.5	8169.0	8154.1	8166.0	8148.2
20°	8533.8	8492.3	8501.2	8489.3	8474.5	8486.4	8438.9	8450.8	8459.7	8447.8
22.5°	8874.9	8821.5	8818.6	8824.5	8791.9	8794.8	8762.2	8791.9	8809.7	8777.0
25°	9224.9	9168.6	9207.1	9192.3	9150.8	9159.7	9136.0	9165.6	9180.4	9138.9
27.5°	9595.7	9557.2	9592.8	9601.7	9551.2	9586.8	9551.2	9577.9	9592.8	9530.5
30°	10028.8	9990.2	10022.9	10046.6	9987.3	10043.6	10014.0	10031.8	10034.7	9960.6
32.5°	10500.4	10441.1	10524.1	10536.0	10470.8	10539.0	10500.4	10524.1	10539.0	10438.1
35°	11075.9	11001.7	11096.6	11081.8	11025.4	11081.8	11046.2	11081.8	11117.4	10995.8
37.5°	11695.8	11618.7	11719.5	11692.8	11639.4	11678.0	11657.2	11681.0	11737.3	11606.8
40°	12378.0	12283.1	12419.6	12372.1	12321.7	12315.7	12327.6	12342.4	12416.6	12271.2
42.5°	13107.7	13006.9	13211.5	13137.4	13066.2	13018.7	13057.3	13087.0	13158.1	12995.0
45°	13941.2	13825.5	14092.5	14003.5	13890.8	13792.9	13855.2	13899.7	14003.5	13807.7
47.5°	14860.8	14730.2	15015.0	14988.3	14804.4	14590.8	14733.2	14860.8	14937.9	14700.6
50°	15759.5	15658.7	16032.4	16065.0	15839.6	15540.0	15738.8	15931.6	15952.3	15640.9
52.5°	16601.9	16501.1	17043.9	17248.6	17046.9	16690.9	16901.5	17097.3	16940.1	16536.7
55°	17275.3	17192.2	17883.3	18411.3	18479.5	18185.9	18310.5	18304.5	17788.4	17168.5
57.5°	17438.4	17426.5	18298.6	19416.9	20128.8	20164.4	19918.2	19289.3	18177.0	17343.5
60°	16696.8	16771.0	17969.4	19941.9	21840.3	22629.3	21564.4	19769.8	17735.0	16578.2
62.5°	14478.1	14673.9	16118.4	19301.2	23222.5	25465.0	22884.4	19040.2	15919.7	14409.9
65°	10375.8	10716.9	12312.8	16471.4	23097.9	27956.6	22694.5	16337.9	12431.4	10690.3
67.5°	4707.4	5054.4	6410.0	11277.6	20078.3	27280.3	20030.9	11396.2	6730.4	5072.2
70°	1705.6	1764.9	2200.9	4514.6	12831.9	21736.5	13380.6	4547.2	2340.3	1880.6
72.5°	1032.2	1041.1	1133.1	1616.6	4458.2	13196.7	4648.1	1670.0	1156.8	1026.3
75°	655.5	649.6	806.8	987.8	1581.0	4452.3	1658.1	987.8	803.8	732.7
77.5°	471.6	486.5	578.4	738.6	996.6	1509.8	978.9	706.0	578.4	474.6
80°	353.0	361.9	421.2	575.4	700.0	940.3	622.9	522.1	436.0	296.6
82.5°	255.1	255.1	275.9	418.2	427.1	507.2	338.1	367.8	287.7	210.6
85°	151.3	148.3	172.0	249.2	222.5	186.9	154.2	225.4	180.9	130.5
87.5°	53.4	56.4	53.4	71.2	59.3	50.4	47.5	62.3	50.4	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7035.9
7077.4
7175.3
7323.6
7501.6
7685.5
7887.2
8163.0
8474.5
8809.7
9186.4
9577.9
10005.1
10506.3
11069.9
11686.9
12318.7
13081.0
13908.6
14780.7
15679.4
16548.5
17189.2
17290.1
16441.8
14320.9
10562.7
4998.1
1856.9
1044.1
738.6
483.5
305.5
210.6
127.5
41.5
0.0

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