

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: P957137

Luminaire Tested: **GALN-SB9C-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957137
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-SB9C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64229 lumens
Efficiency: N/A
Efficacy: 142.8 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

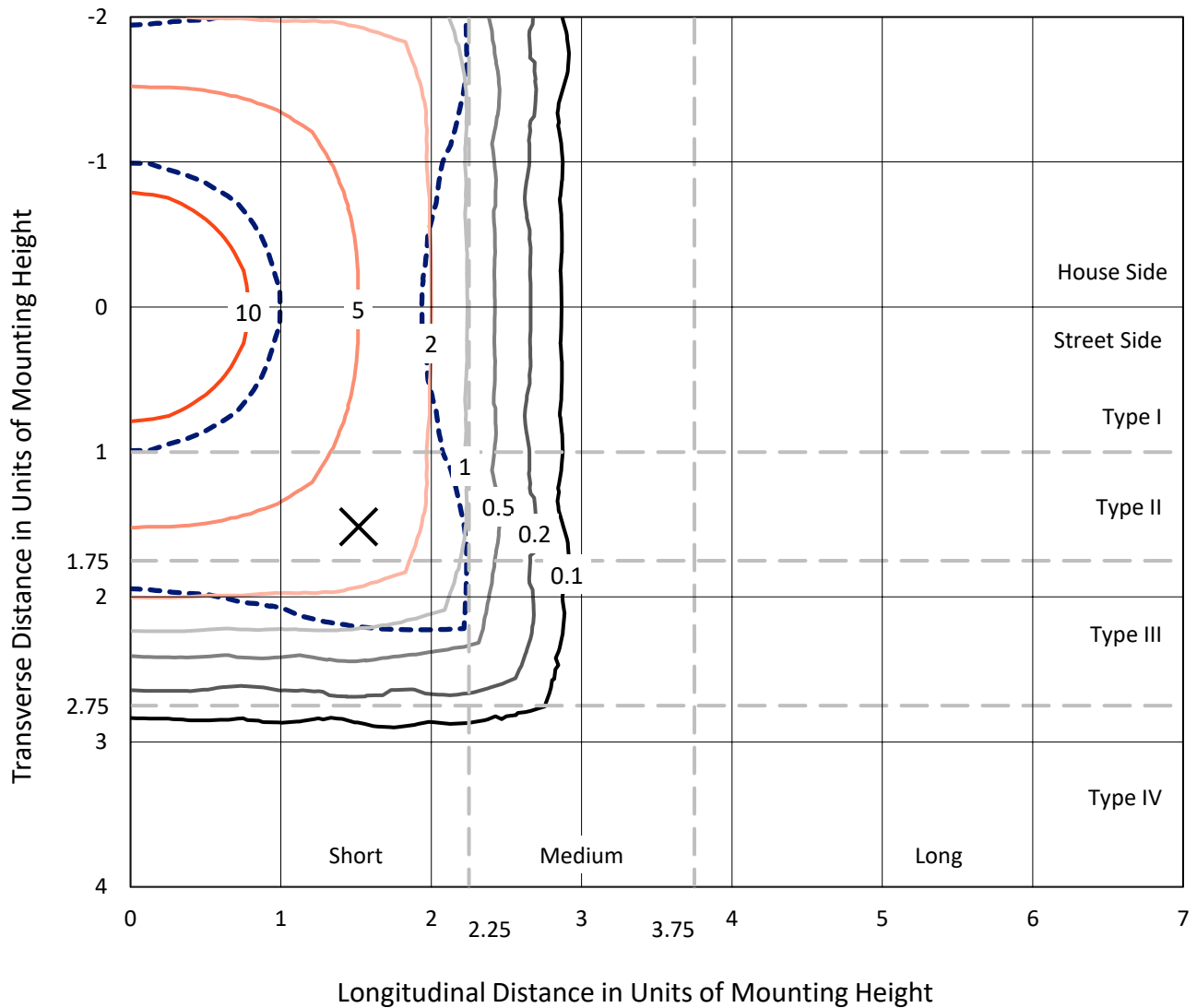
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

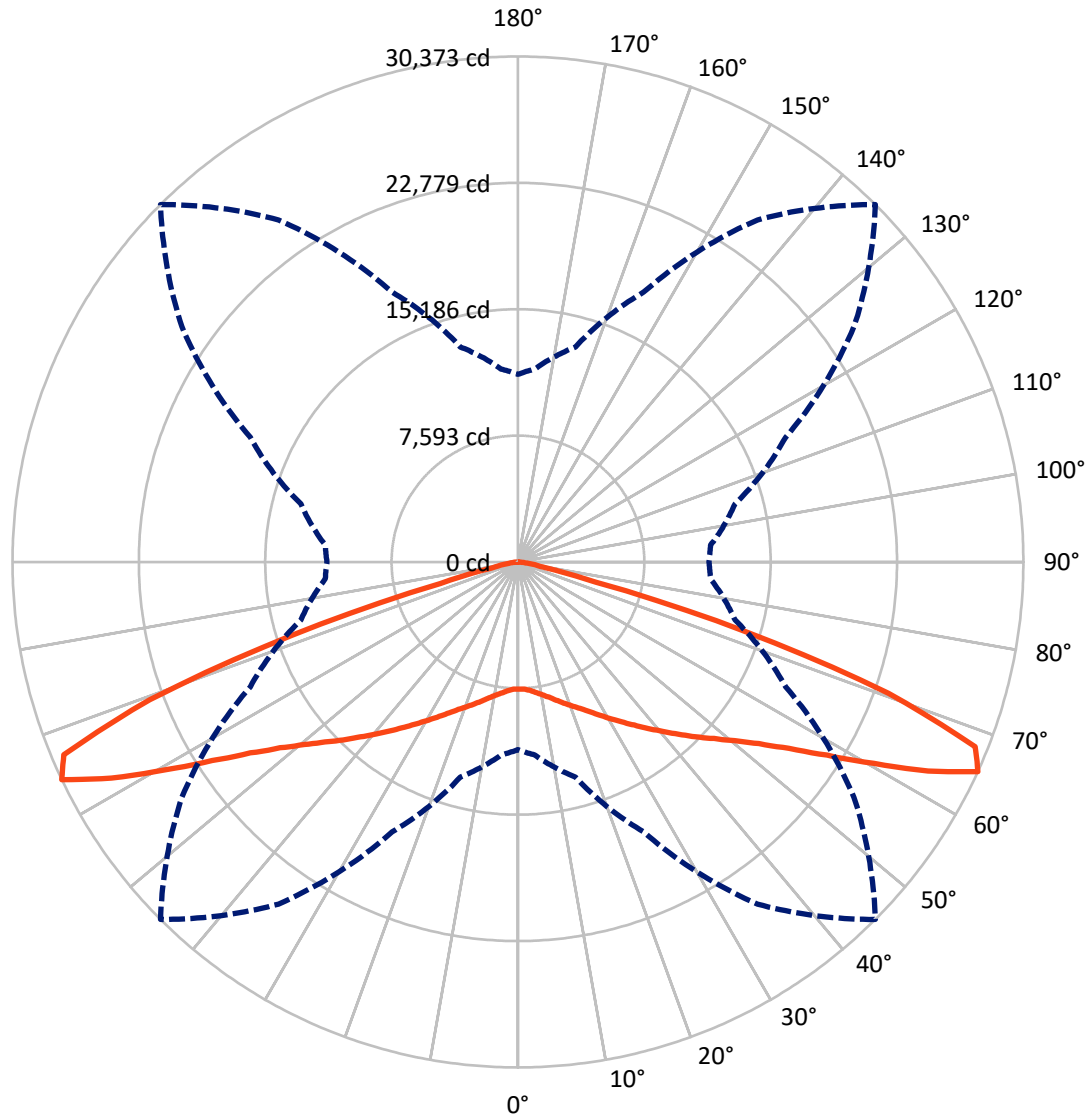
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	32114.5	0.0	32114.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32114.5	0.0	32114.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64229.0	0.0	64229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.4	1.2
10°-20°	2461.6	3.8
20°-30°	4647.8	7.2
30°-40°	7610.6	11.8
40°-50°	11800.3	18.4
50°-60°	17431.4	27.1
60°-70°	16593.1	25.8
70°-80°	2677.5	4.2
80°-90°	252.4	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°	64229.0	100.0
0°-180°	64229.0	100.0

Coefficient of Utilization



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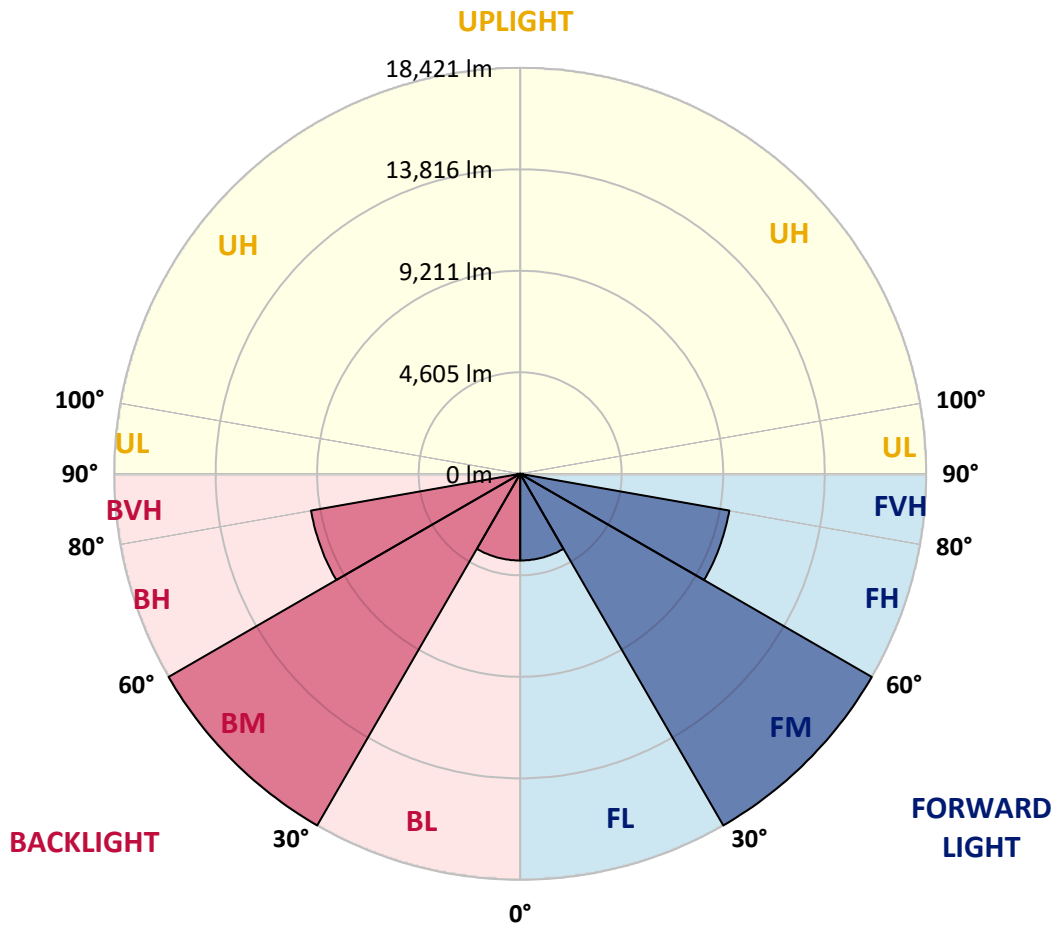
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3931.9	6.1			
FM (30°-60°)	18421.1	28.7			
FH (60°-80°)	9635.3	15.0			G4/12000
FVH (80°-90°)	126.2	0.2			G2/225
BL (0°-30°)	3931.9	6.1	B4/5000		
BM (30°-60°)	18421.1	28.7	B5		
BH (60°-80°)	9635.3	15.0	B5		G4/12000
BVH (80°-90°)	126.2	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°	7643.9	7643.9	7643.9	7643.9	7643.9	7643.9	7643.9	7643.9	7643.9	7643.9
2.5°	7695.5	7669.7	7689.0	7672.9	7660.0	7647.1	7653.6	7676.1	7685.8	7689.0
5°	7798.6	7776.0	7785.7	7785.7	7763.1	7756.7	7759.9	7776.0	7795.4	7795.4
7.5°	7966.1	7943.6	7966.1	7953.3	7933.9	7927.5	7924.3	7937.1	7966.1	7966.1
10°	8169.2	8143.4	8156.3	8149.8	8127.3	8117.6	8114.4	8133.7	8159.5	8156.3
12.5°	8391.5	8362.5	8378.6	8359.3	8352.9	8343.2	8343.2	8340.0	8356.1	8343.2
15°	8639.7	8620.3	8626.8	8613.9	8623.5	8617.1	8591.3	8578.4	8584.9	8565.5
17.5°	8932.9	8887.8	8910.4	8903.9	8903.9	8916.8	8874.9	8858.8	8871.7	8852.4
20°	9271.3	9226.2	9235.8	9222.9	9206.8	9219.7	9168.2	9181.1	9190.7	9177.8
22.5°	9641.9	9583.9	9580.6	9587.1	9551.6	9554.9	9519.4	9551.6	9571.0	9535.5
25°	10022.1	9960.9	10002.8	9986.7	9941.6	9951.2	9925.5	9957.7	9973.8	9928.7
27.5°	10425.0	10383.1	10421.7	10431.4	10376.6	10415.3	10376.6	10405.6	10421.7	10354.1
30°	10895.4	10853.6	10889.0	10914.8	10850.3	10911.6	10879.3	10898.7	10901.9	10821.3
32.5°	11407.8	11343.4	11433.6	11446.5	11375.6	11449.7	11407.8	11433.6	11449.7	11340.2
35°	12033.0	11952.4	12055.6	12039.5	11978.2	12039.5	12000.8	12039.5	12078.1	11946.0
37.5°	12706.5	12622.7	12732.3	12703.3	12645.3	12687.2	12664.6	12690.4	12751.6	12609.8
40°	13447.7	13344.6	13492.8	13441.3	13386.5	13380.0	13392.9	13409.0	13489.6	13331.7
42.5°	14240.5	14130.9	14353.2	14272.7	14195.3	14143.8	14185.7	14217.9	14295.2	14118.0
45°	15146.0	15020.3	15310.3	15213.7	15091.2	14984.9	15052.5	15100.9	15213.7	15001.0
47.5°	16145.0	16003.2	16312.6	16283.6	16083.8	15851.7	16006.4	16145.0	16228.8	15971.0
50°	17121.4	17011.9	17417.9	17453.3	17208.4	16882.9	17098.9	17308.3	17330.9	16992.5
52.5°	18036.6	17927.1	18516.8	18739.1	18520.0	18133.3	18362.1	18574.8	18404.0	17965.7
55°	18768.1	18677.9	19428.8	20002.4	20076.5	19757.5	19892.8	19886.4	19325.6	18652.1
57.5°	18945.4	18932.5	19879.9	21094.8	21868.2	21906.9	21639.4	20956.3	19747.8	18842.3
60°	18139.7	18220.3	19522.2	21665.2	23727.7	24584.8	23428.0	21478.3	19267.6	18010.8
62.5°	15729.3	15942.0	17511.3	20969.1	25229.4	27665.6	24862.0	20685.6	17295.4	15655.2
65°	11272.5	11643.1	13376.8	17894.8	25094.0	30372.6	24655.7	17749.8	13505.7	11614.1
67.5°	5114.2	5491.2	6963.9	12252.1	21813.5	29637.8	21761.9	12381.0	7312.0	5510.6
70°	1853.0	1917.4	2391.1	4904.7	13940.8	23614.9	14536.9	4940.2	2542.6	2043.1
72.5°	1121.4	1131.1	1231.0	1756.3	4843.5	14337.1	5049.7	1814.3	1256.8	1115.0
75°	712.2	705.7	876.5	1073.1	1717.6	4837.1	1801.4	1073.1	873.3	796.0
77.5°	512.4	528.5	628.4	802.4	1082.8	1640.3	1063.4	767.0	628.4	515.6
80°	383.5	393.2	457.6	625.2	760.5	1021.5	676.7	567.2	473.7	322.3
82.5°	277.1	277.1	299.7	454.4	464.0	551.1	367.4	399.6	312.6	228.8
85°	164.4	161.1	186.9	270.7	241.7	203.0	167.6	244.9	196.6	141.8
87.5°	58.0	61.2	58.0	77.3	64.5	54.8	51.6	67.7	54.8	48.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7643.9
7689.0
7795.4
7956.5
8149.8
8349.6
8568.8
8868.5
9206.8
9571.0
9980.2
10405.6
10869.7
11414.3
12026.6
12696.9
13383.3
14211.5
15110.5
16058.0
17034.4
17978.6
18674.7
18784.3
17862.6
15558.5
11475.5
5430.0
2017.3
1134.3
802.4
525.3
331.9
228.8
138.6
45.1
0.0

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