

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: P956864

Luminaire Tested: **GALN-SB9B-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956864
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-SB9B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32715 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

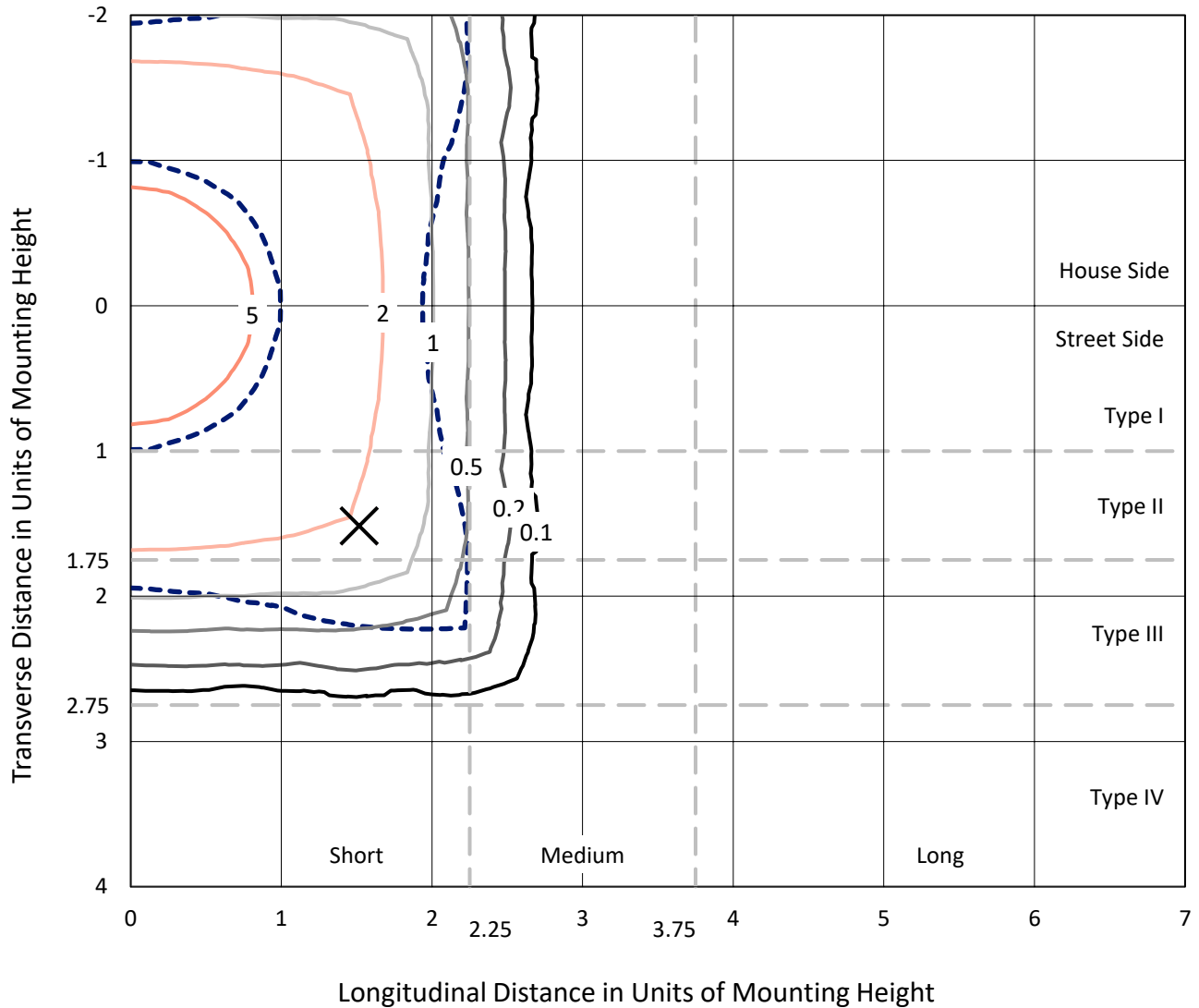
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

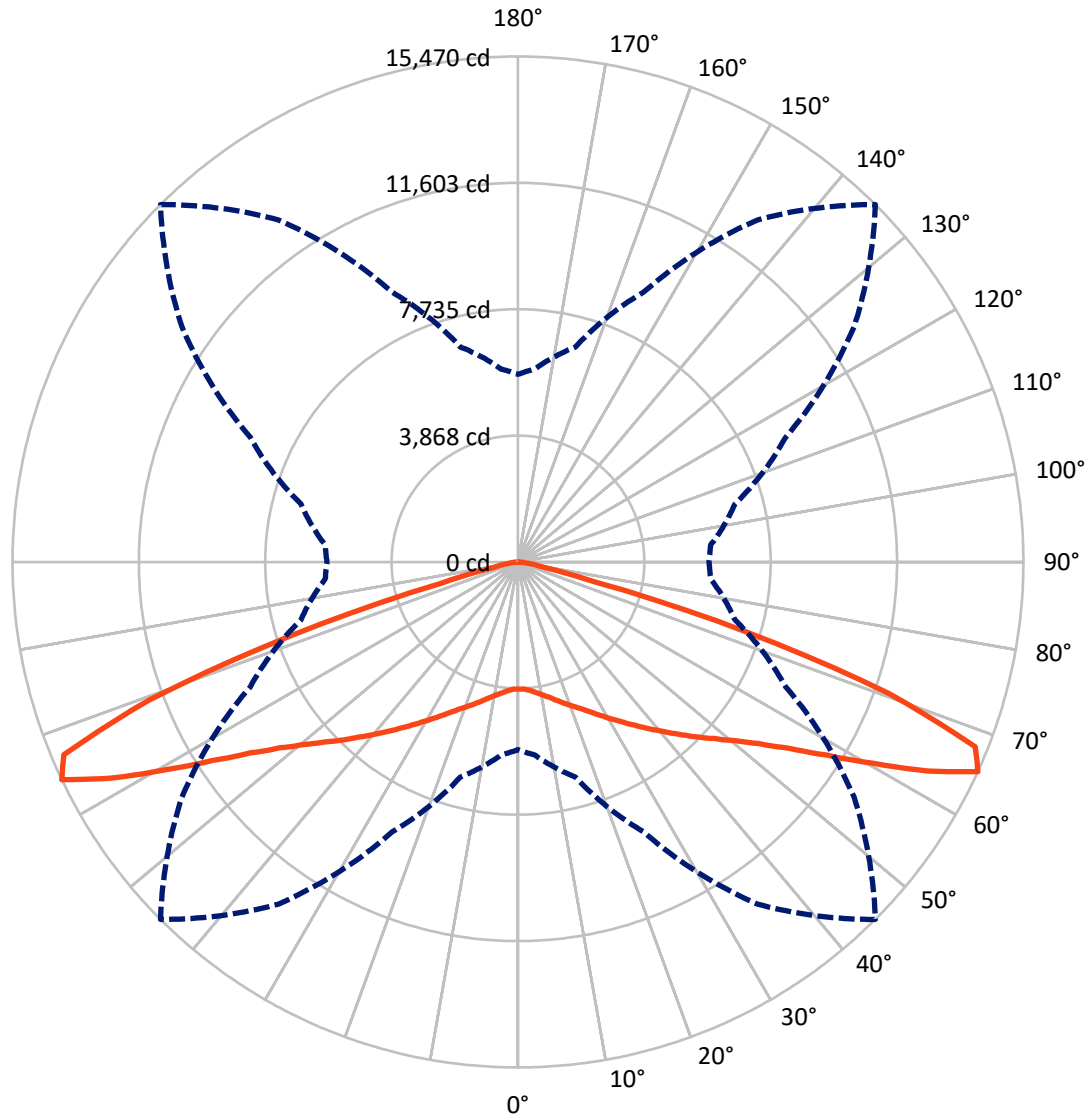
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16357.5	0.0	16357.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16357.5	0.0	16357.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32715.0	0.0	32715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.2	1.2
10°-20°	1253.8	3.8
20°-30°	2367.3	7.2
30°-40°	3876.4	11.8
40°-50°	6010.5	18.4
50°-60°	8878.7	27.1
60°-70°	8451.7	25.8
70°-80°	1363.8	4.2
80°-90°	128.6	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°	32715.0	100.0
0°-180°	32715.0	100.0

Coefficient of Utilization



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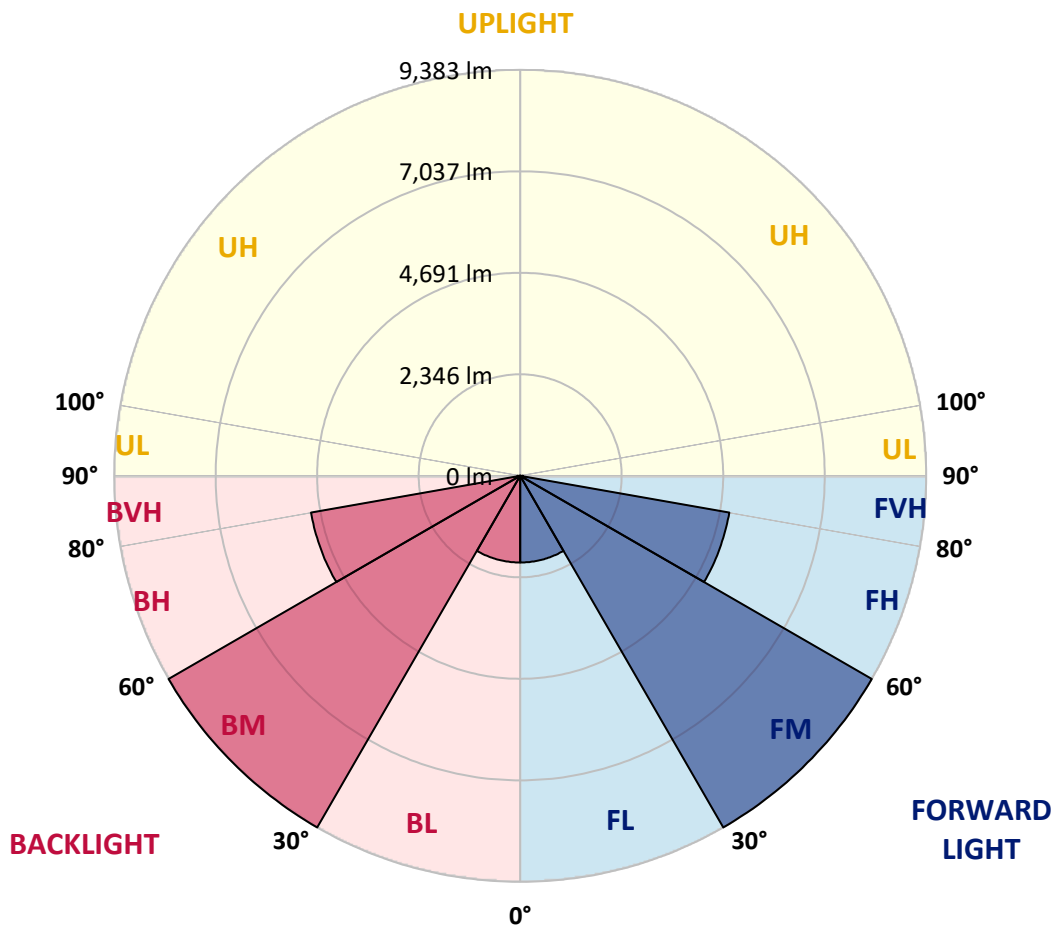
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2002.7	6.1			
FM (30°-60°)	9382.8	28.7			
FH (60°-80°)	4907.7	15.0			G2/5000
FVH (80°-90°)	64.3	0.2			G1/100
BL (0°-30°)	2002.7	6.1	B3/2500		
BM (30°-60°)	9382.8	28.7	B5		
BH (60°-80°)	4907.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	64.3	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3893.4	3893.4	3893.4	3893.4	3893.4	3893.4	3893.4	3893.4	3893.4	3893.4
2.5°	3919.7	3906.5	3916.4	3908.2	3901.6	3895.1	3898.3	3909.8	3914.8	3916.4
5°	3972.2	3960.7	3965.6	3965.6	3954.1	3950.9	3952.5	3960.7	3970.6	3970.6
7.5°	4057.6	4046.1	4057.6	4051.0	4041.1	4037.9	4036.2	4042.8	4057.6	4057.6
10°	4161.0	4147.8	4154.4	4151.1	4139.6	4134.7	4133.1	4142.9	4156.0	4154.4
12.5°	4274.2	4259.4	4267.7	4257.8	4254.5	4249.6	4249.6	4248.0	4256.2	4249.6
15°	4400.6	4390.8	4394.0	4387.5	4392.4	4389.1	4376.0	4369.4	4372.7	4362.9
17.5°	4550.0	4527.0	4538.5	4535.2	4535.2	4541.8	4520.4	4512.2	4518.8	4508.9
20°	4722.3	4699.3	4704.3	4697.7	4689.5	4696.1	4669.8	4676.4	4681.3	4674.7
22.5°	4911.1	4881.5	4879.9	4883.2	4865.1	4866.8	4848.7	4865.1	4875.0	4856.9
25°	5104.8	5073.6	5094.9	5086.7	5063.7	5068.7	5055.5	5071.9	5080.1	5057.2
27.5°	5309.9	5288.6	5308.3	5313.2	5285.3	5305.0	5285.3	5300.1	5308.3	5273.8
30°	5549.6	5528.3	5546.3	5559.4	5526.6	5557.8	5541.4	5551.2	5552.9	5511.8
32.5°	5810.6	5777.7	5823.7	5830.3	5794.2	5831.9	5810.6	5823.7	5831.9	5776.1
35°	6129.0	6088.0	6140.5	6132.3	6101.1	6132.3	6112.6	6132.3	6152.0	6084.7
37.5°	6472.1	6429.4	6485.2	6470.4	6440.9	6462.2	6450.7	6463.9	6495.0	6422.8
40°	6849.6	6797.1	6872.6	6846.3	6818.4	6815.1	6821.7	6829.9	6870.9	6790.5
42.5°	7253.4	7197.6	7310.8	7269.8	7230.4	7204.1	7225.5	7241.9	7281.3	7191.0
45°	7714.6	7650.6	7798.3	7749.1	7686.7	7632.5	7667.0	7691.6	7749.1	7640.7
47.5°	8223.4	8151.2	8308.8	8294.0	8192.3	8074.1	8152.9	8223.4	8266.1	8134.8
50°	8720.8	8665.0	8871.8	8889.8	8765.1	8599.3	8709.3	8816.0	8827.5	8655.1
52.5°	9186.9	9131.1	9431.5	9544.8	9433.2	9236.2	9352.7	9461.1	9374.1	9150.8
55°	9559.5	9513.6	9896.0	10188.2	10226.0	10063.5	10132.4	10129.1	9843.5	9500.5
57.5°	9649.8	9643.3	10125.8	10744.6	11138.6	11158.3	11022.0	10674.1	10058.5	9597.3
60°	9239.5	9280.5	9943.6	11035.2	12085.7	12522.3	11933.0	10940.0	9814.0	9173.8
62.5°	8011.7	8120.0	8919.4	10680.6	12850.6	14091.5	12663.4	10536.2	8809.4	7973.9
65°	5741.6	5930.4	6813.5	9114.7	12781.6	15470.2	12558.4	9040.9	6879.1	5915.6
67.5°	2604.9	2797.0	3547.1	6240.6	11110.7	15096.0	11084.4	6306.3	3724.3	2806.8
70°	943.8	976.6	1217.9	2498.2	7100.7	12028.2	7404.4	2516.3	1295.1	1040.7
72.5°	571.2	576.1	627.0	894.6	2467.0	7302.6	2572.1	924.1	640.1	567.9
75°	362.8	359.5	446.5	546.6	874.9	2463.7	917.5	546.6	444.8	405.4
77.5°	261.0	269.2	320.1	408.7	551.5	835.5	541.7	390.7	320.1	262.6
80°	195.3	200.3	233.1	318.4	387.4	520.3	344.7	288.9	241.3	164.1
82.5°	141.2	141.2	152.7	231.4	236.4	280.7	187.1	203.5	159.2	116.5
85°	83.7	82.1	95.2	137.9	123.1	103.4	85.4	124.7	100.1	72.2
87.5°	29.5	31.2	29.5	39.4	32.8	27.9	26.3	34.5	27.9	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3893.4
3916.4
3970.6
4052.6
4151.1
4252.9
4364.5
4517.1
4689.5
4875.0
5083.4
5300.1
5536.5
5813.9
6125.7
6467.1
6816.8
7238.6
7696.5
8179.1
8676.5
9157.4
9511.9
9567.7
9098.3
7924.7
5845.0
2765.8
1027.5
577.8
408.7
267.5
169.1
116.5
70.6
23.0
0.0

OF REPORT)