

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: P956570

Luminaire Tested: **GALN-SB9A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956570
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-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31025 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

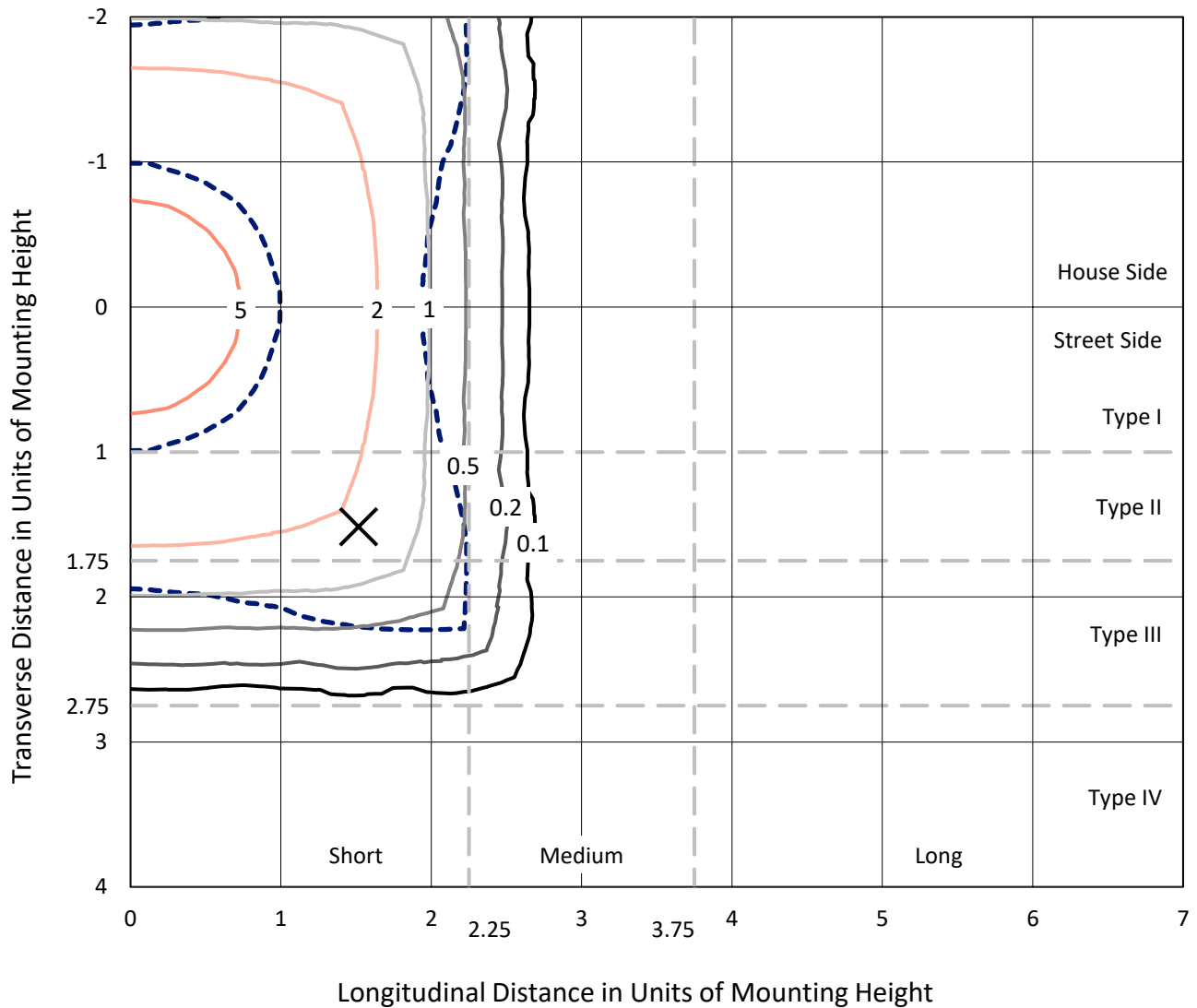
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

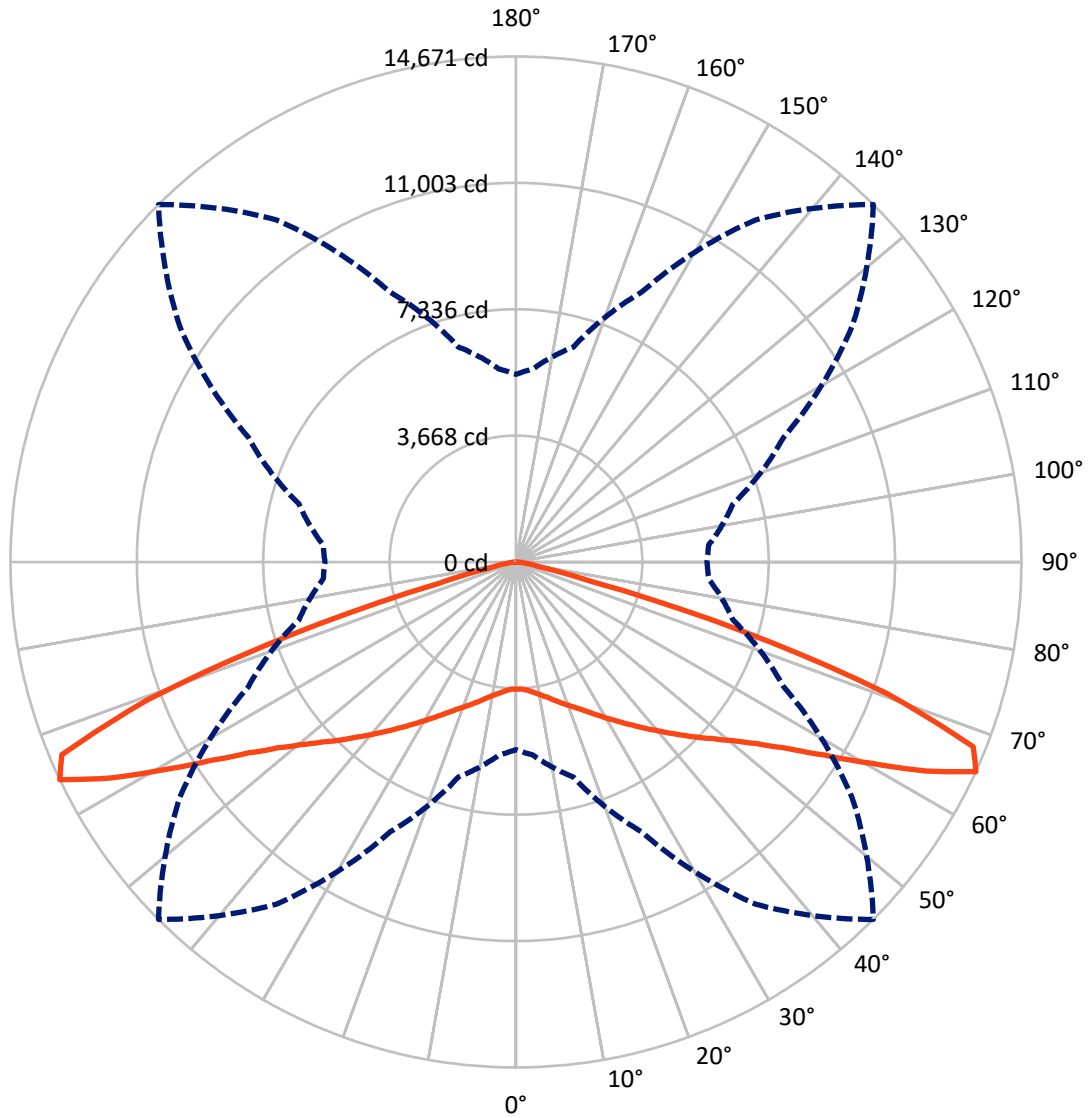
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	15512.5	0.0	15512.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15512.5	0.0	15512.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31025.0	0.0	31025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.4	1.2
10°-20°	1189.0	3.8
20°-30°	2245.0	7.2
30°-40°	3676.2	11.8
40°-50°	5700.0	18.4
50°-60°	8420.0	27.1
60°-70°	8015.1	25.8
70°-80°	1293.3	4.2
80°-90°	121.9	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°	31025.0	100.0
0°-180°	31025.0	100.0

Coefficient of Utilization



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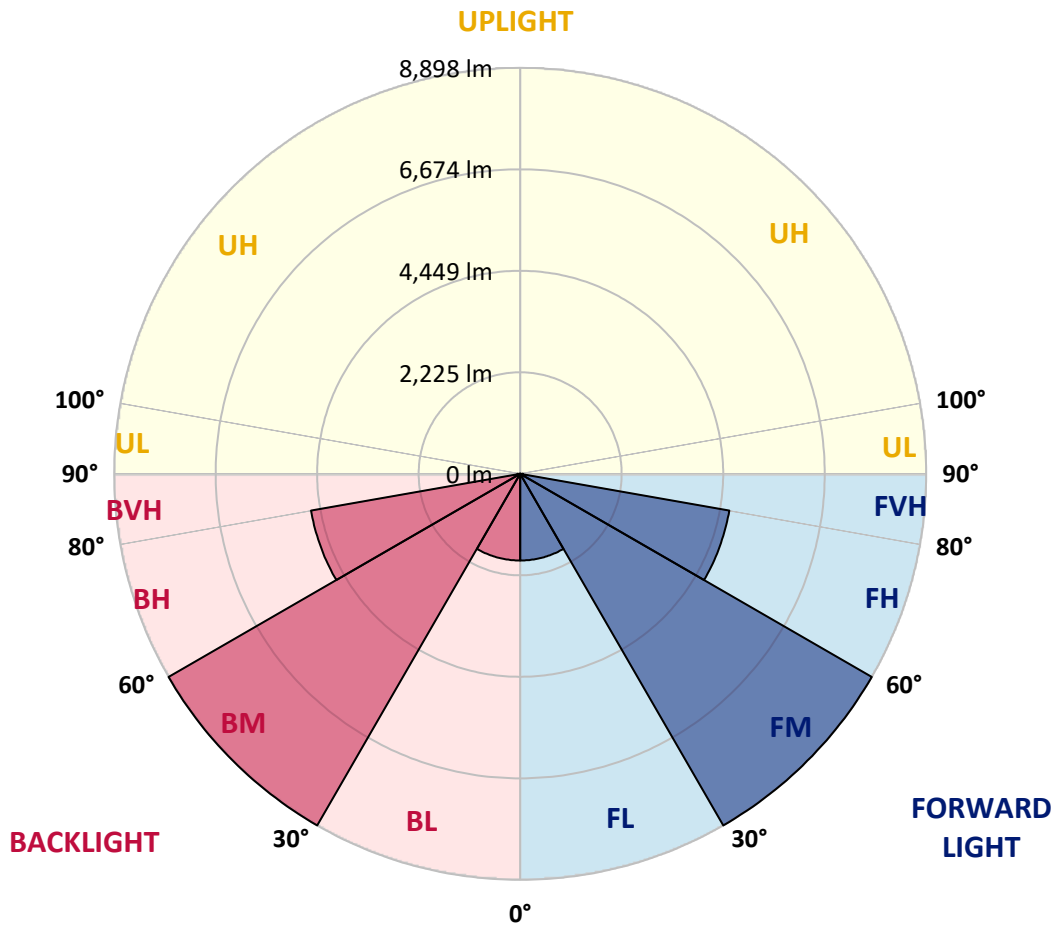
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.2	6.1			
FM (30°-60°)	8898.1	28.7			
FH (60°-80°)	4654.2	15.0			G2/5000
FVH (80°-90°)	61.0	0.2			G1/100
BL (0°-30°)	1899.2	6.1	B3/2500		
BM (30°-60°)	8898.1	28.7	B5		
BH (60°-80°)	4654.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	61.0	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3	3692.3
2.5°	3717.2	3704.7	3714.1	3706.3	3700.1	3693.8	3697.0	3707.9	3712.5	3714.1
5°	3767.0	3756.1	3760.8	3760.8	3749.9	3746.8	3748.3	3756.1	3765.4	3765.4
7.5°	3847.9	3837.1	3847.9	3841.7	3832.4	3829.3	3827.7	3833.9	3847.9	3847.9
10°	3946.0	3933.6	3939.8	3936.7	3925.8	3921.1	3919.6	3928.9	3941.3	3939.8
12.5°	4053.4	4039.4	4047.2	4037.9	4034.7	4030.1	4030.1	4028.5	4036.3	4030.1
15°	4173.3	4163.9	4167.1	4160.8	4165.5	4162.4	4149.9	4143.7	4146.8	4137.5
17.5°	4314.9	4293.1	4304.0	4300.9	4300.9	4307.1	4286.9	4279.1	4285.4	4276.0
20°	4478.4	4456.6	4461.3	4455.0	4447.2	4453.5	4428.6	4434.8	4439.5	4433.2
22.5°	4657.4	4629.4	4627.8	4630.9	4613.8	4615.4	4598.2	4613.8	4623.1	4606.0
25°	4841.1	4811.5	4831.7	4823.9	4802.2	4806.8	4794.4	4809.9	4817.7	4795.9
27.5°	5035.6	5015.4	5034.1	5038.8	5012.3	5031.0	5012.3	5026.3	5034.1	5001.4
30°	5262.9	5242.7	5259.8	5272.2	5241.1	5270.7	5255.1	5264.5	5266.0	5227.1
32.5°	5510.4	5479.3	5522.9	5529.1	5494.8	5530.6	5510.4	5522.9	5530.6	5477.7
35°	5812.4	5773.5	5823.3	5815.5	5785.9	5815.5	5796.8	5815.5	5834.2	5770.4
37.5°	6137.7	6097.3	6150.2	6136.2	6108.1	6128.4	6117.5	6129.9	6159.5	6091.0
40°	6495.7	6445.9	6517.5	6492.6	6466.2	6463.1	6469.3	6477.1	6516.0	6439.7
42.5°	6878.7	6825.7	6933.2	6894.2	6856.9	6832.0	6852.2	6867.8	6905.1	6819.5
45°	7316.1	7255.4	7395.5	7348.8	7289.6	7238.2	7270.9	7294.3	7348.8	7246.0
47.5°	7798.6	7730.1	7879.6	7865.6	7769.1	7657.0	7731.7	7798.6	7839.1	7714.6
50°	8270.3	8217.4	8413.5	8430.6	8312.3	8155.1	8259.4	8360.6	8371.5	8208.0
52.5°	8712.4	8659.4	8944.3	9051.7	8945.9	8759.1	8869.6	8972.3	8889.8	8678.1
55°	9065.7	9022.1	9384.8	9661.9	9697.7	9543.6	9609.0	9605.9	9335.0	9009.7
57.5°	9151.3	9145.1	9602.7	10189.6	10563.2	10581.9	10452.7	10122.7	9538.9	9101.5
60°	8762.2	8801.1	9430.0	10465.1	11461.3	11875.4	11316.6	10374.8	9307.0	8699.9
62.5°	7597.8	7700.6	8458.6	10128.9	12186.7	13363.5	12009.3	9991.9	8354.3	7562.0
65°	5445.0	5624.0	6461.5	8643.9	12121.3	14671.1	11909.6	8573.8	6523.8	5610.0
67.5°	2470.3	2652.5	3363.8	5918.2	10536.7	14316.2	10511.8	5980.5	3532.0	2661.8
70°	895.1	926.2	1155.0	2369.2	6733.9	11406.9	7021.9	2386.3	1228.2	986.9
72.5°	541.7	546.4	594.6	848.4	2339.6	6925.4	2439.2	876.4	607.1	538.6
75°	344.0	340.9	423.4	518.4	829.7	2336.5	870.1	518.4	421.8	384.5
77.5°	247.5	255.3	303.5	387.6	523.0	792.3	513.7	370.5	303.5	249.1
80°	185.2	189.9	221.0	302.0	367.4	493.4	326.9	274.0	228.8	155.7
82.5°	133.9	133.9	144.8	219.5	224.2	266.2	177.5	193.0	151.0	110.5
85°	79.4	77.8	90.3	130.8	116.7	98.1	80.9	118.3	95.0	68.5
87.5°	28.0	29.6	28.0	37.4	31.1	26.5	24.9	32.7	26.5	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3692.3
3714.1
3765.4
3843.3
3936.7
4033.2
4139.0
4283.8
4447.2
4623.1
4820.8
5026.3
5250.5
5513.5
5809.3
6133.1
6464.6
6864.7
7299.0
7756.6
8228.3
8684.3
9020.6
9073.5
8628.3
7515.3
5543.1
2622.9
974.4
547.9
387.6
253.7
160.3
110.5
66.9
21.8
0.0

OF REPORT)