

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: P956549

Luminaire Tested: **GALN-SB9A-935-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956549
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-935-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29784 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

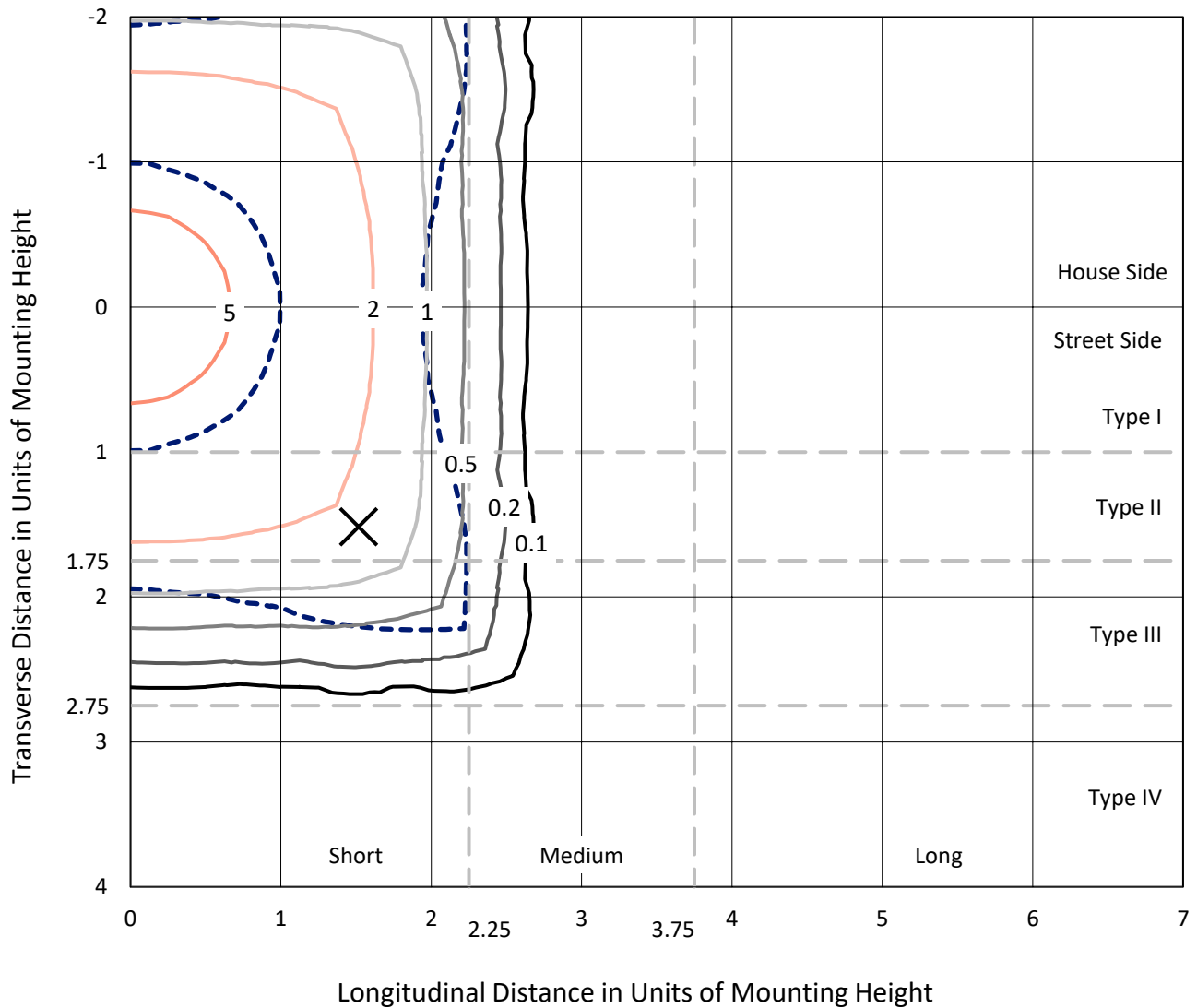
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

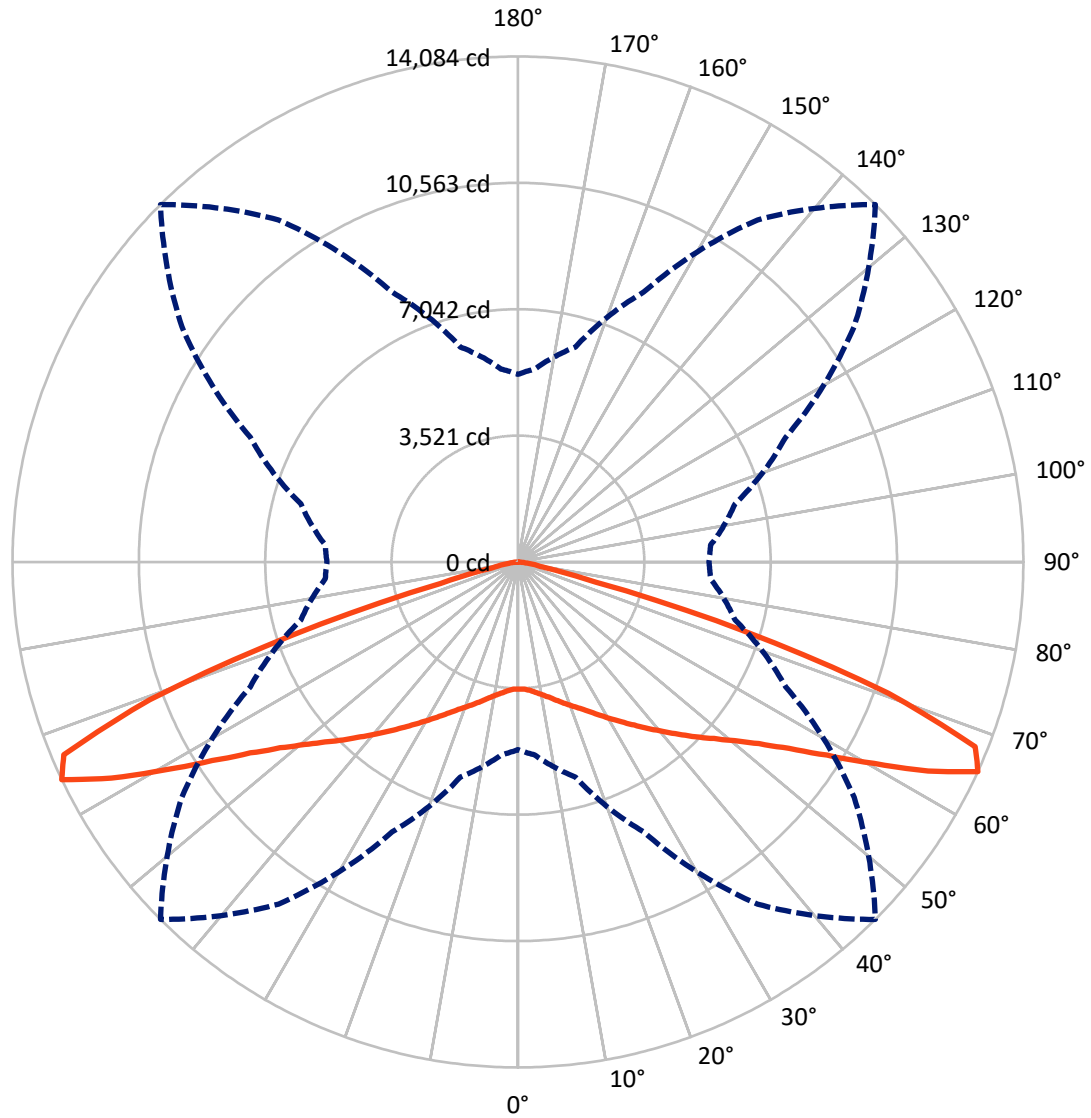
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	14892.0	0.0	14892.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14892.0	0.0	14892.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29784.0	0.0	29784.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.2
10°-20°	1141.5	3.8
20°-30°	2155.2	7.2
30°-40°	3529.1	11.8
40°-50°	5472.0	18.4
50°-60°	8083.2	27.1
60°-70°	7694.5	25.8
70°-80°	1241.6	4.2
80°-90°	117.0	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°	29784.0	100.0
0°-180°	29784.0	100.0

Coefficient of Utilization



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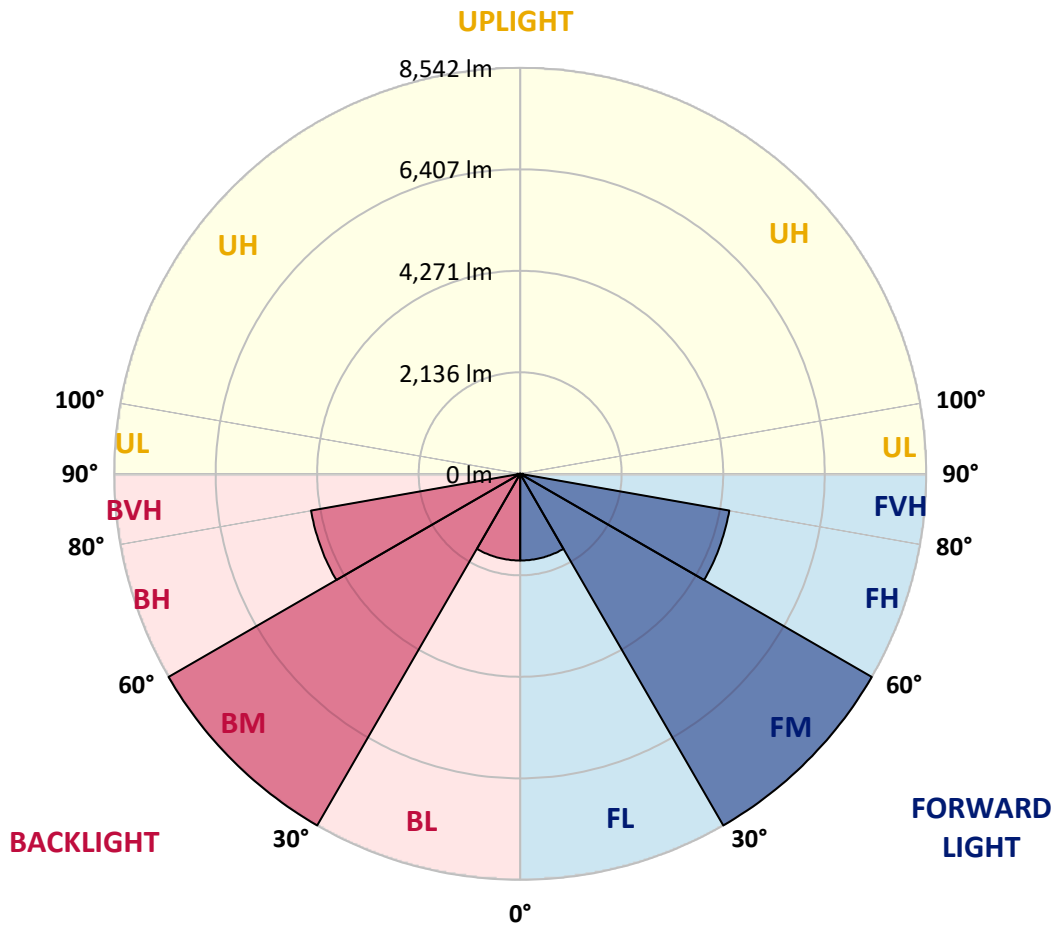
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1823.3	6.1			
FM (30°-60°)	8542.2	28.7			
FH (60°-80°)	4468.0	15.0			G2/5000
FVH (80°-90°)	58.5	0.2			G1/100
BL (0°-30°)	1823.3	6.1	B3/2500		
BM (30°-60°)	8542.2	28.7	B5		
BH (60°-80°)	4468.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	58.5	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°	3544.6	3544.6	3544.6	3544.6	3544.6	3544.6	3544.6	3544.6	3544.6	3544.6
2.5°	3568.5	3556.5	3565.5	3558.0	3552.1	3546.1	3549.1	3559.5	3564.0	3565.5
5°	3616.3	3605.9	3610.3	3610.3	3599.9	3596.9	3598.4	3605.9	3614.8	3614.8
7.5°	3694.0	3683.6	3694.0	3688.1	3679.1	3676.1	3674.6	3680.6	3694.0	3694.0
10°	3788.2	3776.2	3782.2	3779.2	3768.7	3764.3	3762.8	3771.7	3783.7	3782.2
12.5°	3891.3	3877.8	3885.3	3876.3	3873.4	3868.9	3868.9	3867.4	3874.8	3868.9
15°	4006.3	3997.4	4000.4	3994.4	3998.9	3995.9	3983.9	3978.0	3980.9	3972.0
17.5°	4142.3	4121.4	4131.9	4128.9	4128.9	4134.9	4115.4	4108.0	4113.9	4105.0
20°	4299.2	4278.3	4282.8	4276.8	4269.4	4275.3	4251.4	4257.4	4261.9	4255.9
22.5°	4471.1	4444.2	4442.7	4445.7	4429.2	4430.7	4414.3	4429.2	4438.2	4421.8
25°	4647.4	4619.0	4638.5	4631.0	4610.1	4614.5	4602.6	4617.5	4625.0	4604.1
27.5°	4834.2	4814.8	4832.7	4837.2	4811.8	4829.7	4811.8	4825.3	4832.7	4801.3
30°	5052.4	5033.0	5049.4	5061.4	5031.5	5059.9	5044.9	5053.9	5055.4	5018.0
32.5°	5290.0	5260.1	5301.9	5307.9	5275.0	5309.4	5290.0	5301.9	5309.4	5258.6
35°	5579.9	5542.5	5590.4	5582.9	5554.5	5582.9	5565.0	5582.9	5600.8	5539.5
37.5°	5892.2	5853.4	5904.2	5890.7	5863.8	5883.2	5872.8	5884.7	5913.1	5847.4
40°	6235.9	6188.1	6256.8	6232.9	6207.5	6204.5	6210.5	6218.0	6255.3	6182.1
42.5°	6603.5	6552.7	6655.8	6618.5	6582.6	6558.7	6578.1	6593.1	6628.9	6546.7
45°	7023.4	6965.2	7099.6	7054.8	6998.0	6948.7	6980.1	7002.5	7054.8	6956.2
47.5°	7486.7	7420.9	7564.4	7550.9	7458.3	7350.7	7422.4	7486.7	7525.5	7406.0
50°	7939.5	7888.7	8077.0	8093.4	7979.8	7828.9	7929.0	8026.1	8036.6	7879.7
52.5°	8363.9	8313.1	8586.5	8689.6	8588.0	8408.7	8514.8	8613.4	8534.2	8331.0
55°	8703.1	8661.2	9009.4	9275.4	9309.8	9161.8	9224.6	9221.6	8961.6	8649.3
57.5°	8785.3	8779.3	9218.6	9782.0	10140.6	10158.6	10034.5	9717.7	9157.4	8737.5
60°	8411.7	8449.0	9052.8	10046.5	11002.9	11400.4	10863.9	9959.8	8934.7	8351.9
62.5°	7293.9	7392.5	8120.3	9723.7	11699.3	12829.0	11528.9	9592.2	8020.2	7259.5
65°	5227.2	5399.1	6203.0	8298.1	11636.5	14084.2	11433.3	8230.9	6262.8	5385.6
67.5°	2371.5	2546.4	3229.3	5681.5	10115.2	13743.5	10091.3	5741.3	3390.7	2555.3
70°	859.3	889.1	1108.8	2274.4	6464.6	10950.6	6741.0	2290.8	1179.0	947.4
72.5°	520.0	524.5	570.8	814.4	2246.0	6648.4	2341.6	841.3	582.8	517.0
75°	330.3	327.3	406.5	497.6	796.5	2243.0	835.3	497.6	405.0	369.1
77.5°	237.6	245.1	291.4	372.1	502.1	760.6	493.1	355.7	291.4	239.1
80°	177.8	182.3	212.2	289.9	352.7	473.7	313.8	263.0	219.7	149.4
82.5°	128.5	128.5	139.0	210.7	215.2	255.5	170.4	185.3	145.0	106.1
85°	76.2	74.7	86.7	125.5	112.1	94.1	77.7	113.6	91.2	65.8
87.5°	26.9	28.4	26.9	35.9	29.9	25.4	23.9	31.4	25.4	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3544.6
3565.5
3614.8
3689.5
3779.2
3871.9
3973.5
4112.4
4269.4
4438.2
4628.0
4825.3
5040.4
5293.0
5576.9
5887.7
6206.0
6590.1
7007.0
7446.3
7899.1
8337.0
8659.7
8710.6
8283.2
7214.7
5321.4
2518.0
935.5
526.0
372.1
243.6
153.9
106.1
64.3
20.9
0.0

OF REPORT)