

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: P956485

Luminaire Tested: **GALN-SB9A-850-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-850-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40929 lumens
Efficiency: N/A
Efficacy: 160.2 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

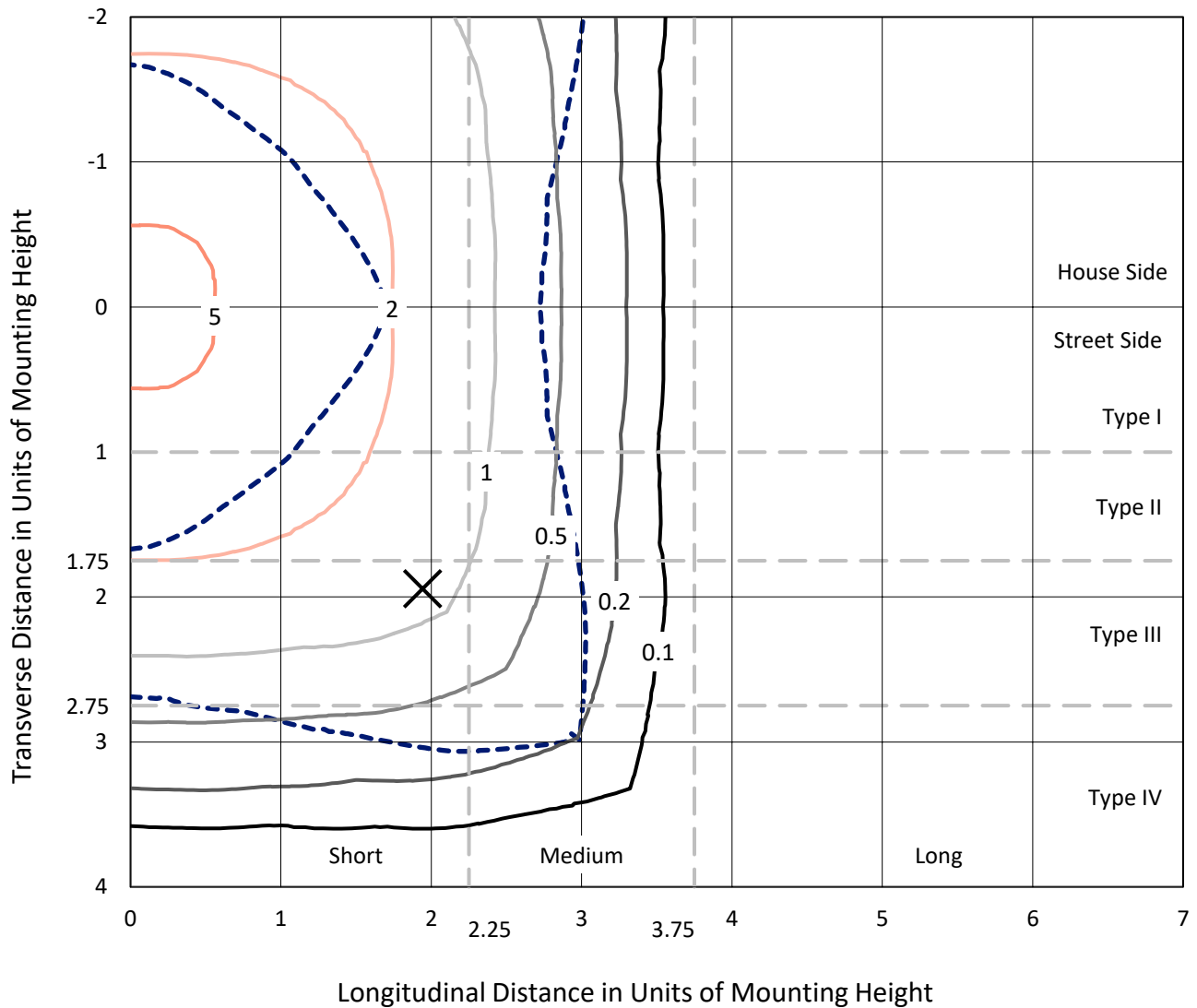
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

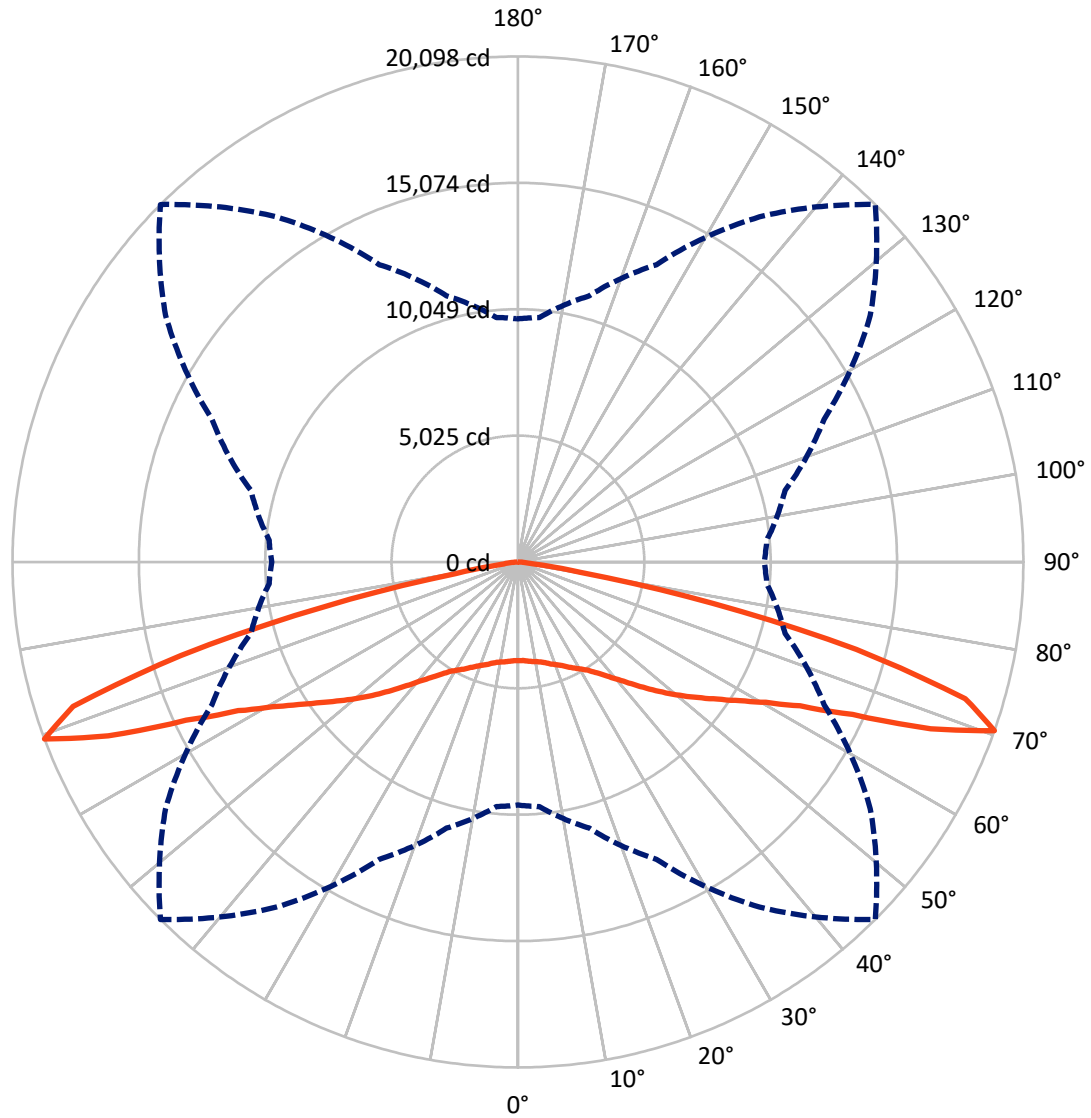
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20464.5	0.0	20464.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20464.5	0.0	20464.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40929.0	0.0	40929.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.9	0.9
10°-20°	1181.1	2.9
20°-30°	2110.7	5.2
30°-40°	3421.5	8.4
40°-50°	5573.0	13.6
50°-60°	8496.9	20.8
60°-70°	12640.7	30.9
70°-80°	6889.6	16.8
80°-90°	234.6	0.6
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°	40929.0	100.0
0°-180°	40929.0	100.0



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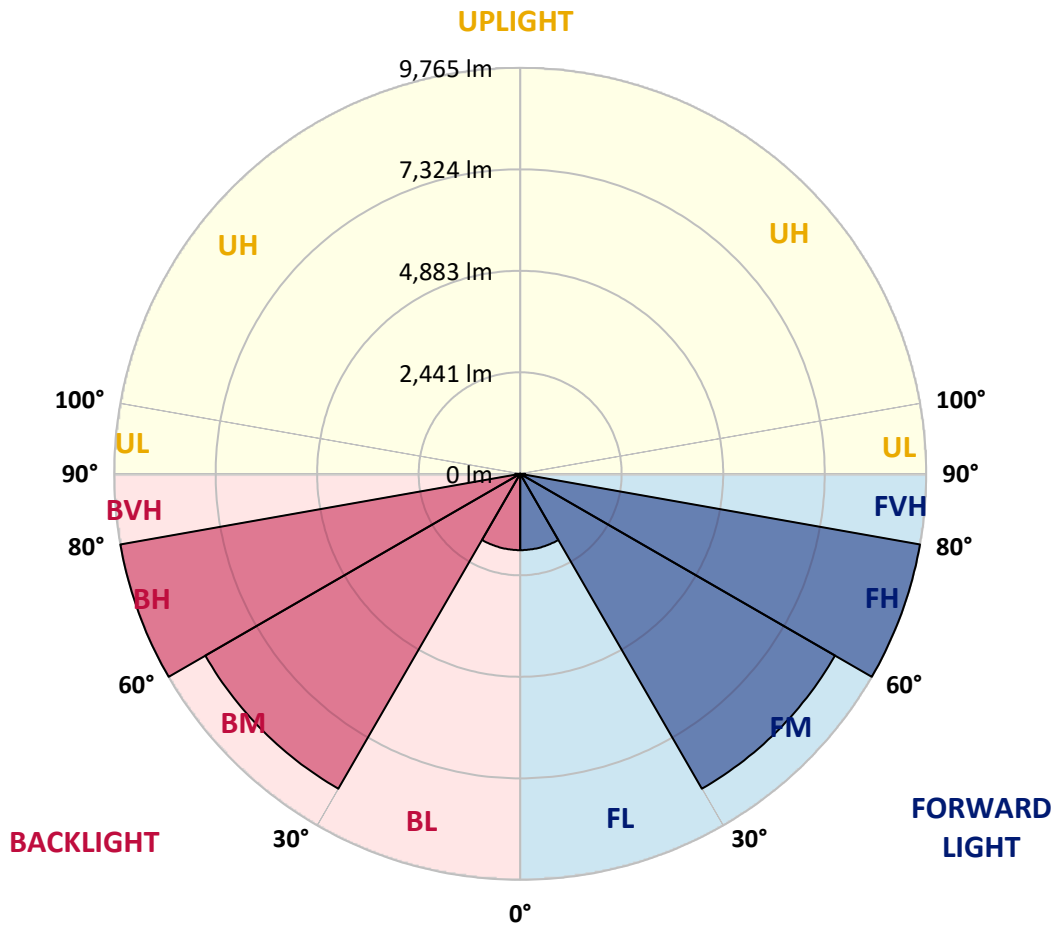
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1836.3	4.5			
FM (30°-60°)	8745.7	21.4			
FH (60°-80°)	9765.2	23.9			G4/12000
FVH (80°-90°)	117.3	0.3			G2/225
BL (0°-30°)	1836.3	4.5	B3/2500		
BM (30°-60°)	8745.7	21.4	B5		
BH (60°-80°)	9765.2	23.9	B5		G4/12000
BVH (80°-90°)	117.3	0.3			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°	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6	3920.6
2.5°	3939.1	3943.2	3935.0	3930.8	3926.7	3920.6	3922.6	3932.9	3941.1	3939.1
5°	3971.9	3976.1	3969.9	3967.8	3959.6	3957.6	3957.6	3967.8	3974.0	3969.9
7.5°	4008.9	4015.1	4004.8	4002.8	3998.7	3994.5	3992.5	4002.8	4008.9	4008.9
10°	4043.9	4050.0	4041.8	4035.6	4031.5	4031.5	4027.4	4035.6	4045.9	4043.9
12.5°	4080.8	4085.0	4076.7	4072.6	4072.6	4078.8	4072.6	4076.7	4085.0	4080.8
15°	4126.1	4128.1	4126.1	4132.2	4142.5	4163.0	4144.5	4140.4	4144.5	4134.3
17.5°	4187.7	4191.8	4200.0	4214.4	4228.8	4265.8	4232.9	4222.6	4222.6	4202.1
20°	4263.7	4269.9	4282.2	4306.9	4325.4	4360.3	4327.4	4313.0	4306.9	4280.2
22.5°	4343.9	4354.1	4372.6	4405.5	4438.4	4471.3	4438.4	4413.7	4395.2	4360.3
25°	4436.3	4448.7	4477.4	4530.9	4576.1	4623.3	4584.3	4535.0	4498.0	4448.7
27.5°	4567.8	4582.2	4617.2	4682.9	4740.4	4781.5	4744.6	4680.9	4629.5	4569.9
30°	4752.8	4767.2	4808.3	4878.1	4917.2	4943.9	4919.2	4869.9	4808.3	4740.4
32.5°	4991.1	5009.6	5054.8	5120.6	5128.8	5132.9	5124.7	5100.0	5054.8	4972.6
35°	5293.2	5313.7	5365.1	5418.5	5410.3	5418.5	5406.2	5398.0	5365.1	5270.6
37.5°	5663.1	5687.7	5741.1	5782.2	5761.7	5751.4	5753.5	5755.5	5737.0	5632.2
40°	6092.5	6125.4	6164.4	6207.6	6172.6	6141.8	6162.4	6178.8	6162.4	6055.5
42.5°	6534.3	6581.6	6622.6	6684.3	6655.5	6616.5	6645.3	6663.7	6628.8	6513.7
45°	7025.4	7070.6	7124.0	7216.5	7195.9	7154.8	7195.9	7200.0	7140.5	7004.8
47.5°	7532.9	7580.2	7660.3	7783.6	7775.4	7730.2	7783.6	7754.8	7678.8	7516.5
50°	8013.8	8079.5	8202.8	8375.4	8391.8	8336.4	8408.3	8352.8	8225.4	8022.0
52.5°	8465.8	8535.7	8730.9	8965.1	9024.7	8952.8	9049.4	8952.8	8761.7	8500.7
55°	8940.5	9018.6	9250.7	9556.9	9676.1	9622.7	9713.1	9567.2	9296.0	8979.5
57.5°	9499.4	9546.6	9824.0	10187.7	10389.1	10401.4	10442.5	10196.0	9867.2	9507.6
60°	10105.5	10171.3	10473.4	10909.0	11227.5	11330.2	11287.1	10921.3	10539.1	10126.1
62.5°	10882.3	10954.2	11315.8	11837.8	12341.2	12596.0	12427.5	11897.3	11424.7	10929.5
65°	11525.4	11605.6	12259.0	13189.8	14106.3	14617.9	14194.6	13218.6	12367.9	11669.3
67.5°	11059.0	11157.6	12183.0	13892.6	16171.3	17698.1	16249.4	14102.2	12435.7	11488.4
70°	9665.8	9758.3	10954.2	13043.9	16752.9	20098.1	17102.2	13428.2	10993.2	9932.9
72.5°	6417.2	6715.1	7925.4	10432.3	14959.0	18598.1	15107.0	10220.6	7352.1	6402.8
75°	2128.8	2367.1	3193.2	5408.3	10019.2	13909.0	9538.4	4785.6	2529.5	1820.6
77.5°	536.3	618.5	852.7	1547.3	3996.6	7919.2	3598.0	1263.7	688.4	480.8
80°	261.0	287.7	411.0	515.8	1000.7	2517.1	939.0	484.9	324.7	250.7
82.5°	143.8	145.9	232.2	291.8	371.9	651.4	386.3	283.6	187.0	152.1
85°	88.4	86.3	123.3	156.2	156.2	232.2	184.9	156.2	106.9	94.5
87.5°	34.9	34.9	45.2	49.3	43.2	59.6	47.3	51.4	41.1	39.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3920.6
3941.1
3971.9
4008.9
4043.9
4078.8
4134.3
4202.1
4280.2
4358.2
4446.6
4567.8
4740.4
4974.7
5270.6
5632.2
6055.5
6522.0
7019.2
7506.2
8017.9
8476.1
8936.4
9458.3
10060.3
10843.2
11554.2
11346.7
9791.2
6195.2
1721.9
429.5
230.1
152.1
98.6
41.1
0.0

OF REPORT)