

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: P954931

Luminaire Tested: **GALN-SB8A-750-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954931
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-SB8A-750-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 40189 lumens
Efficiency: N/A
Efficacy: 177.0 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

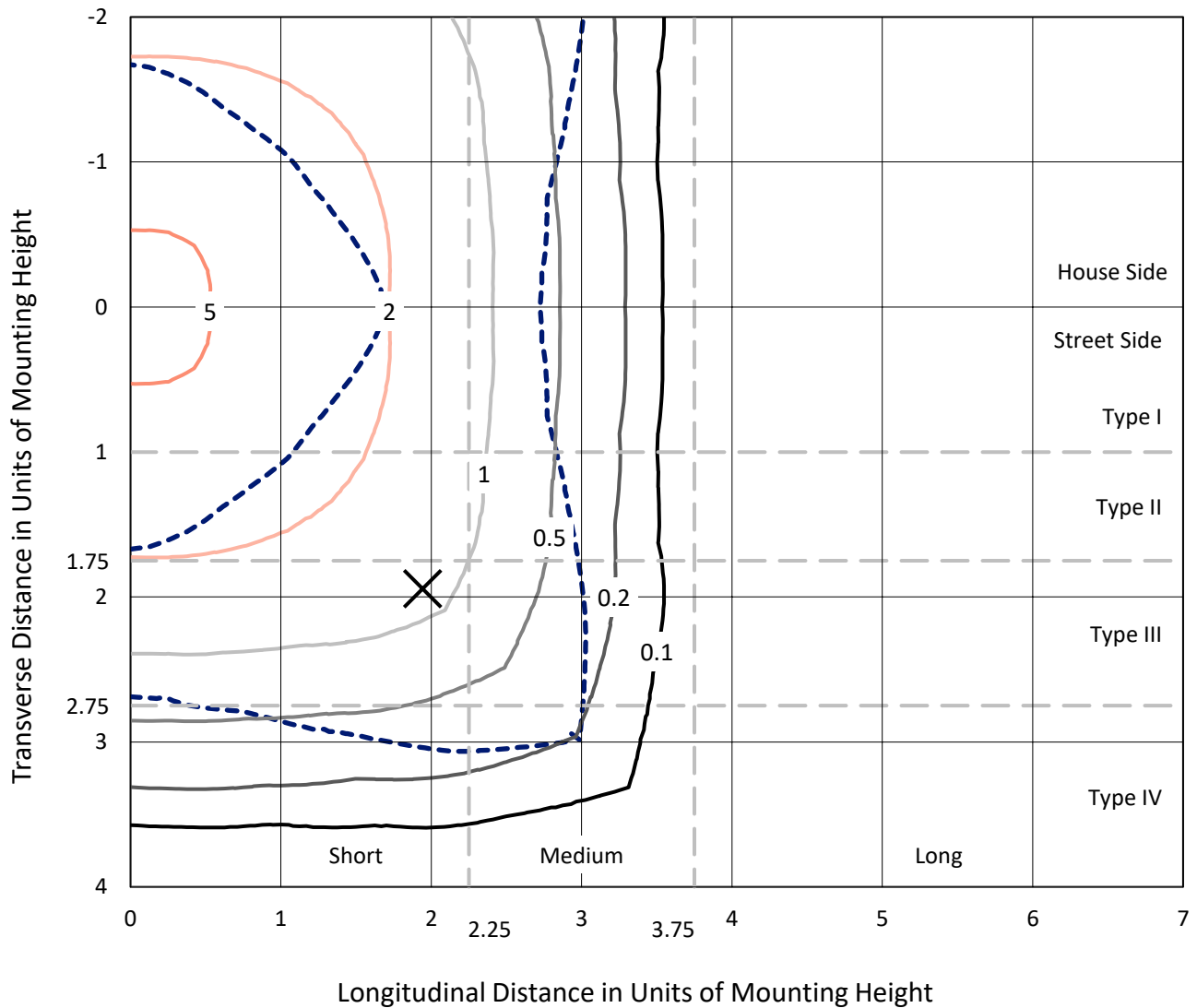
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

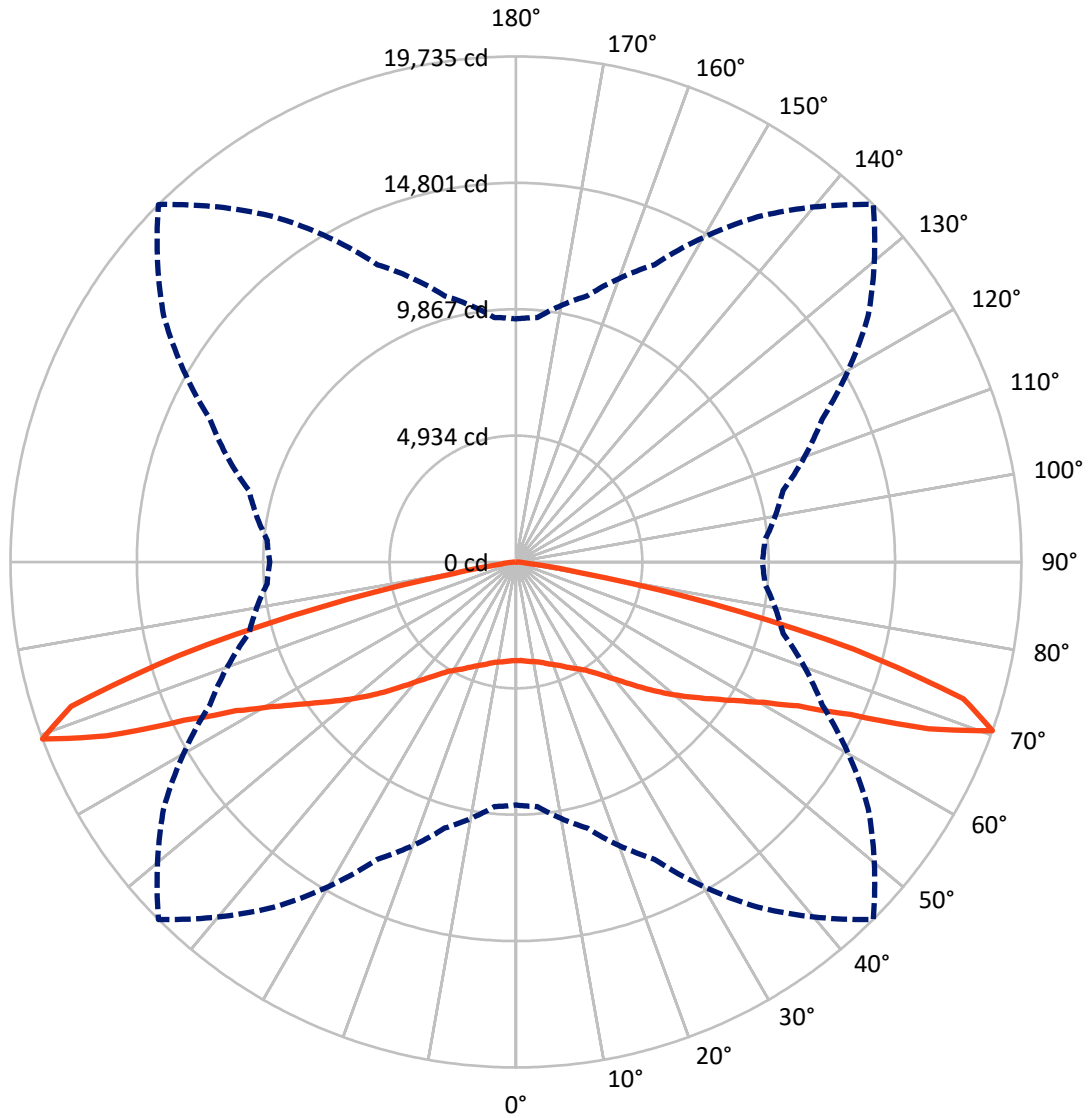
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	20094.5	0.0	20094.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20094.5	0.0	20094.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40189.0	0.0	40189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.0	0.9
10°-20°	1159.7	2.9
20°-30°	2072.6	5.2
30°-40°	3359.6	8.4
40°-50°	5472.2	13.6
50°-60°	8343.3	20.8
60°-70°	12412.2	30.9
70°-80°	6765.0	16.8
80°-90°	230.4	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°	40189.0	100.0
0°-180°	40189.0	100.0

Coefficient of Utilization



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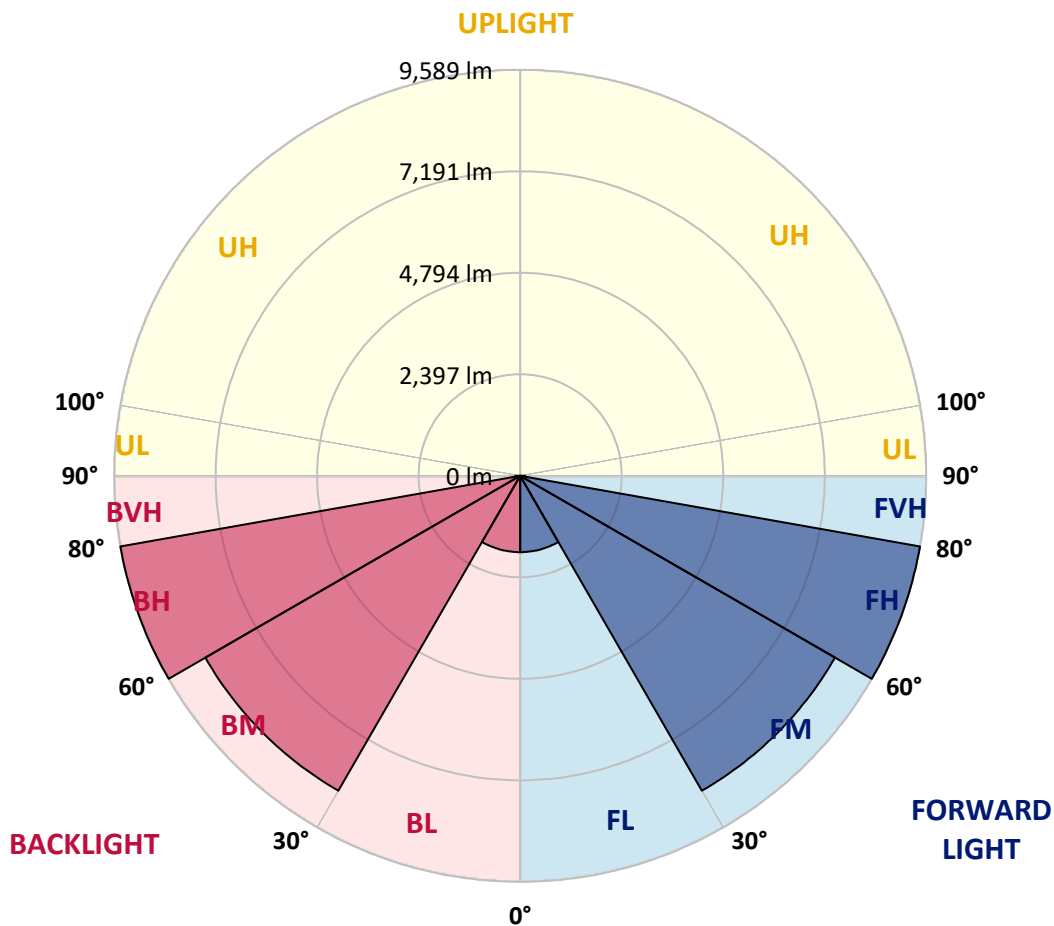
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1803.1	4.5			
FM (30°-60°)	8587.6	21.4			
FH (60°-80°)	9588.6	23.9			G4/12000
FVH (80°-90°)	115.2	0.3			G2/225
BL (0°-30°)	1803.1	4.5	B3/2500		
BM (30°-60°)	8587.6	21.4	B5		
BH (60°-80°)	9588.6	23.9	B5		G4/12000
BVH (80°-90°)	115.2	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°	3849.7	3849.7	3849.7	3849.7	3849.7	3849.7	3849.7	3849.7	3849.7	3849.7
2.5°	3867.8	3871.9	3863.8	3859.8	3855.7	3849.7	3851.7	3861.8	3869.9	3867.8
5°	3900.1	3904.2	3898.1	3896.1	3888.0	3886.0	3886.0	3896.1	3902.1	3898.1
7.5°	3936.4	3942.5	3932.4	3930.4	3926.4	3922.3	3920.3	3930.4	3936.4	3936.4
10°	3970.7	3976.8	3968.7	3962.7	3958.6	3958.6	3954.6	3962.7	3972.8	3970.7
12.5°	4007.1	4011.1	4003.0	3999.0	3999.0	4005.0	3999.0	4003.0	4011.1	4007.1
15°	4051.5	4053.5	4051.5	4057.5	4067.6	4087.8	4069.6	4065.6	4069.6	4059.5
17.5°	4112.0	4116.0	4124.1	4138.2	4152.3	4188.7	4156.4	4146.3	4146.3	4126.1
20°	4186.6	4192.7	4204.8	4229.0	4247.2	4281.5	4249.2	4235.1	4229.0	4202.8
22.5°	4265.3	4275.4	4293.6	4325.9	4358.1	4390.4	4358.1	4333.9	4315.8	4281.5
25°	4356.1	4368.2	4396.5	4448.9	4493.3	4539.7	4501.4	4453.0	4416.7	4368.2
27.5°	4485.3	4499.4	4533.7	4598.2	4654.7	4695.1	4658.8	4596.2	4545.8	4487.3
30°	4666.8	4681.0	4721.3	4789.9	4828.3	4854.5	4830.3	4781.8	4721.3	4654.7
32.5°	4900.9	4919.0	4963.4	5028.0	5036.1	5040.1	5032.0	5007.8	4963.4	4882.7
35°	5197.5	5217.7	5268.1	5320.6	5312.5	5320.6	5308.5	5300.4	5268.1	5175.3
37.5°	5560.7	5584.9	5637.3	5677.7	5657.5	5647.4	5649.4	5651.5	5633.3	5530.4
40°	5982.4	6014.6	6053.0	6095.3	6061.0	6030.8	6051.0	6067.1	6051.0	5946.0
42.5°	6416.2	6462.6	6502.9	6563.4	6535.2	6496.9	6525.1	6543.3	6509.0	6396.0
45°	6898.4	6942.8	6995.2	7086.0	7065.8	7025.5	7065.8	7069.9	7011.4	6878.2
47.5°	7396.7	7443.1	7521.8	7642.9	7634.8	7590.4	7642.9	7614.6	7540.0	7380.6
50°	7868.9	7933.4	8054.5	8224.0	8240.1	8185.6	8256.3	8201.8	8076.7	7876.9
52.5°	8312.7	8381.3	8573.0	8803.0	8861.6	8790.9	8885.8	8790.9	8603.3	8347.0
55°	8778.8	8855.5	9083.5	9384.1	9501.1	9448.7	9537.5	9394.2	9127.9	8817.2
57.5°	9327.6	9374.0	9646.4	10003.5	10201.3	10213.4	10253.7	10011.6	9688.8	9335.7
60°	9922.8	9987.4	10284.0	10711.7	11024.5	11125.4	11083.0	10723.8	10348.6	9943.0
62.5°	10685.5	10756.1	11111.2	11623.7	12118.1	12368.2	12202.8	11682.2	11218.2	10731.9
65°	11317.0	11395.7	12037.3	12951.3	13851.2	14353.6	13938.0	12979.6	12144.3	11458.3
67.5°	10859.0	10955.9	11962.7	13641.4	15879.0	17378.1	15955.6	13847.2	12210.9	11280.7
70°	9491.1	9581.9	10756.1	12808.1	16450.0	19734.7	16793.0	13185.4	10794.5	9753.4
72.5°	6301.1	6593.7	7782.1	10243.6	14688.5	18261.8	14833.8	10035.8	7219.2	6287.0
75°	2090.3	2324.3	3135.4	5310.5	9838.1	13657.5	9366.0	4699.1	2483.7	1787.6
77.5°	526.6	607.3	837.3	1519.3	3924.3	7776.1	3532.9	1240.9	675.9	472.1
80°	256.2	282.5	403.5	506.4	982.6	2471.6	922.1	476.2	318.8	246.2
82.5°	141.2	143.3	228.0	286.5	365.2	639.6	379.3	278.4	183.6	149.3
85°	86.8	84.7	121.1	153.3	153.3	228.0	181.6	153.3	104.9	92.8
87.5°	34.3	34.3	44.4	48.4	42.4	58.5	46.4	50.4	40.4	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3849.7
3869.9
3900.1
3936.4
3970.7
4005.0
4059.5
4126.1
4202.8
4279.5
4366.2
4485.3
4654.7
4884.7
5175.3
5530.4
5946.0
6404.0
6892.3
7370.5
7872.9
8322.8
8774.8
9287.3
9878.5
10647.2
11345.3
11141.5
9614.1
6083.2
1690.8
421.7
226.0
149.3
96.8
40.4
0.0

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