

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: P954995

Luminaire Tested: **GALN-SB8A-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954995
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-SB8A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34154 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

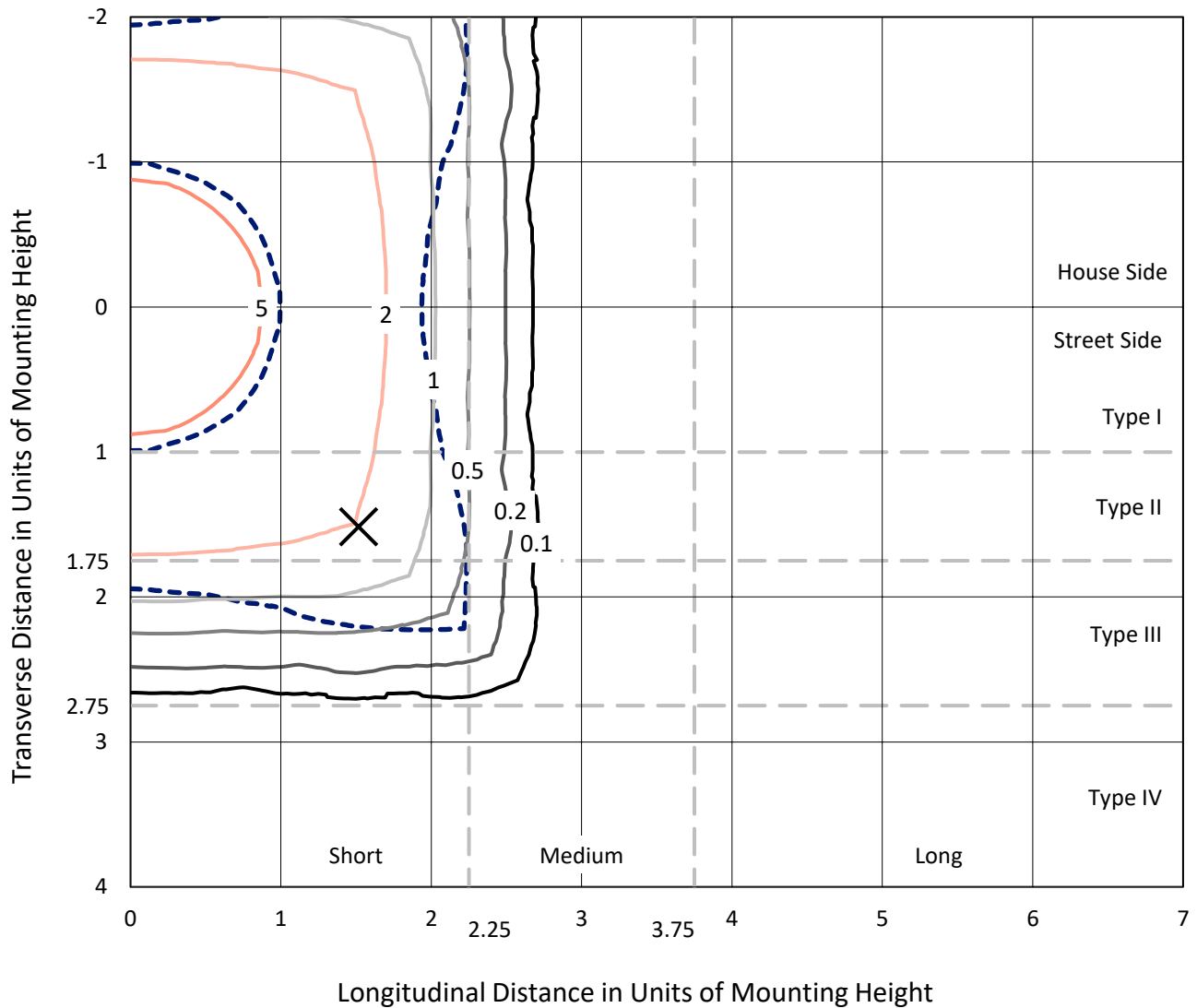
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

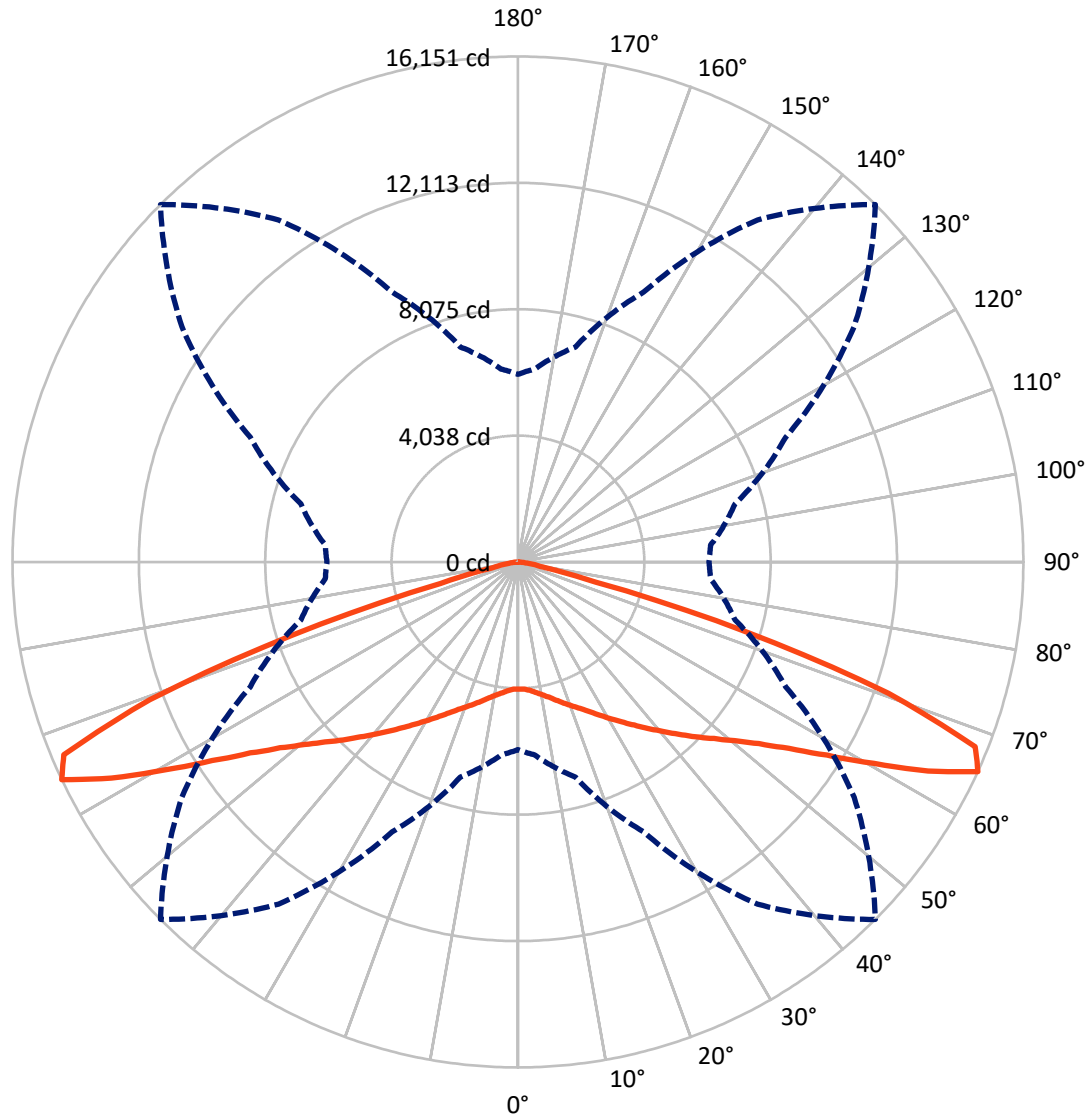
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	17077.0	0.0	17077.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17077.0	0.0	17077.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34154.0	0.0	34154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	1.2
10°-20°	1309.0	3.8
20°-30°	2471.5	7.2
30°-40°	4046.9	11.8
40°-50°	6274.8	18.4
50°-60°	9269.2	27.1
60°-70°	8823.4	25.8
70°-80°	1423.8	4.2
80°-90°	134.2	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°	34154.0	100.0
0°-180°	34154.0	100.0

Coefficient of Utilization



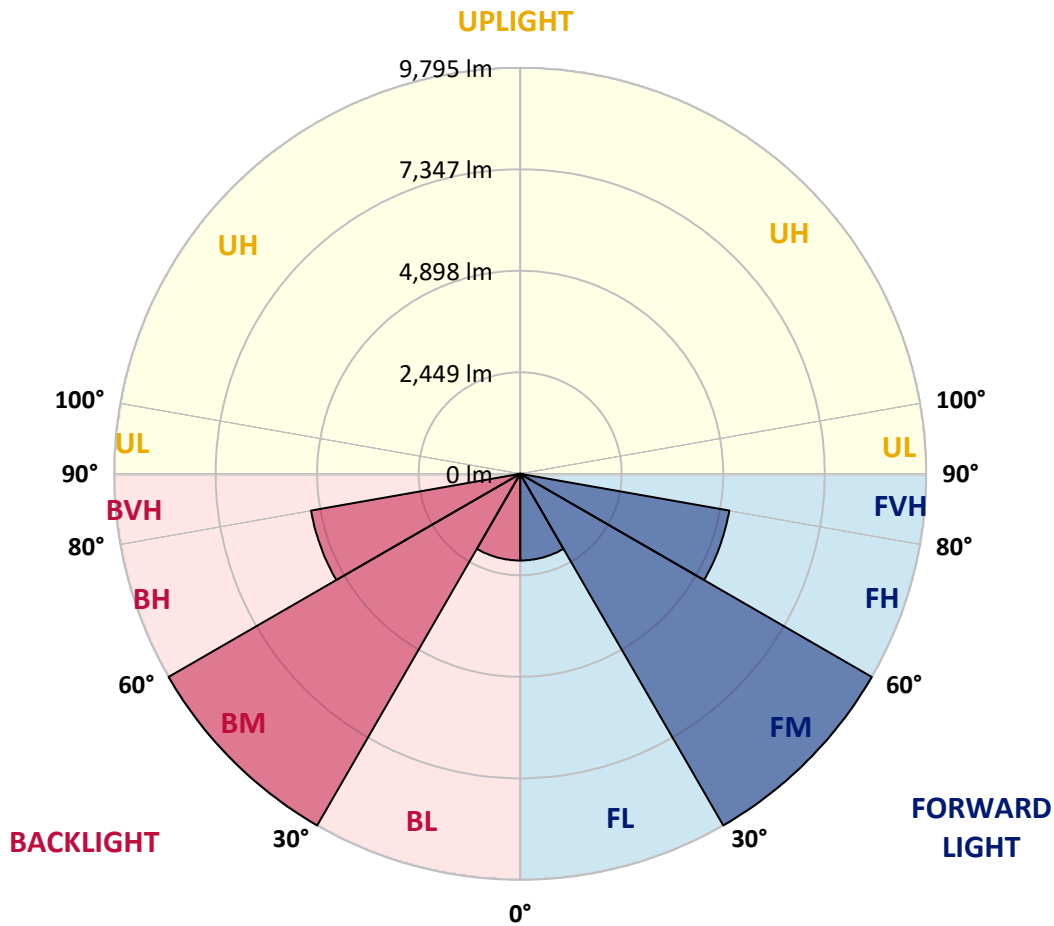
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2090.8	6.1			
FM (30°-60°)	9795.5	28.7			
FH (60°-80°)	5123.6	15.0			G3/7500
FVH (80°-90°)	67.1	0.2			G1/100
BL (0°-30°)	2090.8	6.1	B3/2500		
BM (30°-60°)	9795.5	28.7	B5		
BH (60°-80°)	5123.6	15.0	B5		G3/7500
BVH (80°-90°)	67.1	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7
2.5°	4092.1	4078.4	4088.7	4080.1	4073.2	4066.4	4069.8	4081.8	4086.9	4088.7
5°	4146.9	4134.9	4140.1	4140.1	4128.1	4124.6	4126.4	4134.9	4145.2	4145.2
7.5°	4236.0	4224.0	4236.0	4229.2	4218.9	4215.5	4213.8	4220.6	4236.0	4236.0
10°	4344.0	4330.3	4337.1	4333.7	4321.7	4316.6	4314.9	4325.1	4338.8	4337.1
12.5°	4462.2	4446.8	4455.4	4445.1	4441.7	4436.5	4436.5	4434.8	4443.4	4436.5
15°	4594.2	4583.9	4587.3	4580.5	4585.6	4582.2	4568.5	4561.6	4565.0	4554.8
17.5°	4750.1	4726.1	4738.1	4734.7	4734.7	4741.5	4719.3	4710.7	4717.6	4707.3
20°	4930.0	4906.0	4911.2	4904.3	4895.8	4902.6	4875.2	4882.1	4887.2	4880.3
22.5°	5127.1	5096.3	5094.5	5098.0	5079.1	5080.8	5062.0	5079.1	5089.4	5070.6
25°	5329.3	5296.7	5319.0	5310.5	5286.5	5291.6	5277.9	5295.0	5303.6	5279.6
27.5°	5543.5	5521.2	5541.8	5546.9	5517.8	5538.4	5517.8	5533.2	5541.8	5505.8
30°	5793.7	5771.4	5790.3	5804.0	5769.7	5802.3	5785.1	5795.4	5797.1	5754.3
32.5°	6066.2	6031.9	6079.9	6086.7	6049.0	6088.4	6066.2	6079.9	6088.4	6030.2
35°	6398.6	6355.8	6410.6	6402.0	6369.5	6402.0	6381.5	6402.0	6422.6	6352.3
37.5°	6756.7	6712.2	6770.4	6755.0	6724.2	6746.5	6734.5	6748.2	6780.7	6705.3
40°	7150.9	7096.0	7174.9	7147.4	7118.3	7114.9	7121.7	7130.3	7173.1	7089.2
42.5°	7572.4	7514.2	7632.4	7589.6	7548.4	7521.0	7543.3	7560.4	7601.5	7507.3
45°	8053.9	7987.1	8141.3	8089.9	8024.8	7968.3	8004.2	8029.9	8089.9	7976.8
47.5°	8585.2	8509.8	8674.3	8658.8	8552.6	8429.2	8511.5	8585.2	8629.7	8492.6
50°	9104.4	9046.1	9262.0	9280.9	9150.6	8977.6	9092.4	9203.8	9215.8	9035.8
52.5°	9591.0	9532.8	9846.4	9964.6	9848.1	9642.4	9764.1	9877.2	9786.4	9553.3
55°	9980.0	9932.0	10331.3	10636.3	10675.8	10506.1	10578.1	10574.6	10276.5	9918.3
57.5°	10074.3	10067.4	10571.2	11217.2	11628.5	11649.1	11506.8	11143.6	10501.0	10019.4
60°	9645.9	9688.7	10381.0	11520.6	12617.3	13073.1	12457.9	11421.2	10245.6	9577.3
62.5°	8364.1	8477.2	9311.7	11150.4	13415.8	14711.3	13220.5	10999.6	9196.9	8324.7
65°	5994.2	6191.2	7113.2	9515.6	13343.8	16150.7	13110.8	9438.5	7181.7	6175.8
67.5°	2719.5	2920.0	3703.1	6515.1	11599.4	15760.0	11572.0	6583.7	3888.2	2930.3
70°	985.3	1019.6	1271.5	2608.1	7413.0	12557.3	7730.1	2627.0	1352.0	1086.4
72.5°	596.3	601.5	654.6	933.9	2575.5	7623.8	2685.2	964.8	668.3	592.9
75°	378.7	375.3	466.1	570.6	913.4	2572.1	957.9	570.6	464.4	423.3
77.5°	272.5	281.0	334.2	426.7	575.8	872.2	565.5	407.8	334.2	274.2
80°	203.9	209.1	243.3	332.4	404.4	543.2	359.9	301.6	251.9	171.4
82.5°	147.4	147.4	159.4	241.6	246.8	293.0	195.4	212.5	166.2	121.7
85°	87.4	85.7	99.4	143.9	128.5	108.0	89.1	130.2	104.5	75.4
87.5°	30.8	32.6	30.8	41.1	34.3	29.1	27.4	36.0	29.1	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4064.7
4088.7
4145.2
4230.9
4333.7
4439.9
4556.5
4715.8
4895.8
5089.4
5307.0
5533.2
5780.0
6069.6
6395.2
6751.6
7116.6
7557.0
8035.1
8538.9
9058.1
9560.2
9930.3
9988.6
9498.5
8273.3
6102.1
2887.4
1072.7
603.2
426.7
279.3
176.5
121.7
73.7
24.0
0.0

OF REPORT)