

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: P953924

Luminaire Tested: **GALN-SB7B-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953924
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-SB7B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37707 lumens
Efficiency: N/A
Efficacy: 146.9 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

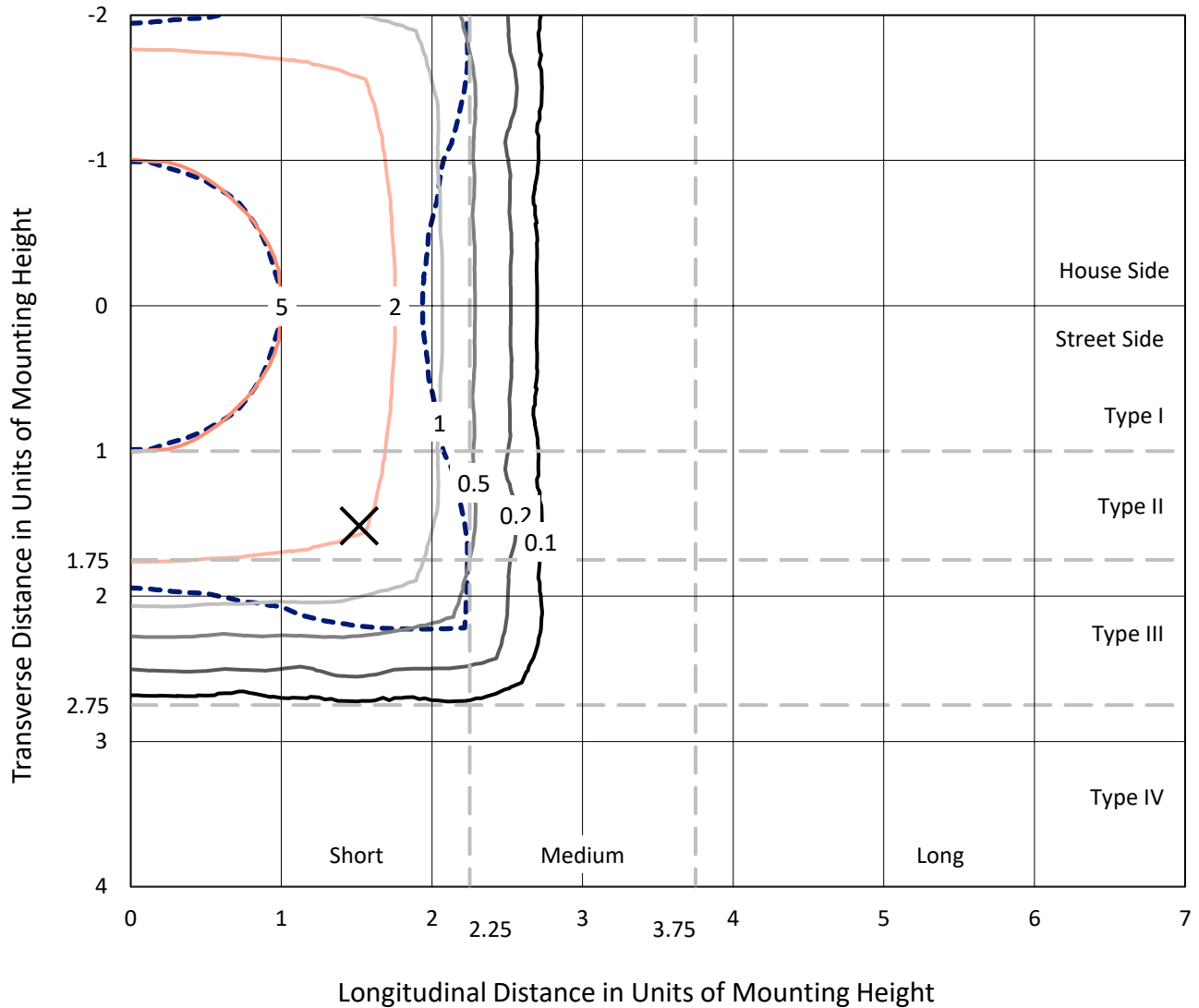
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

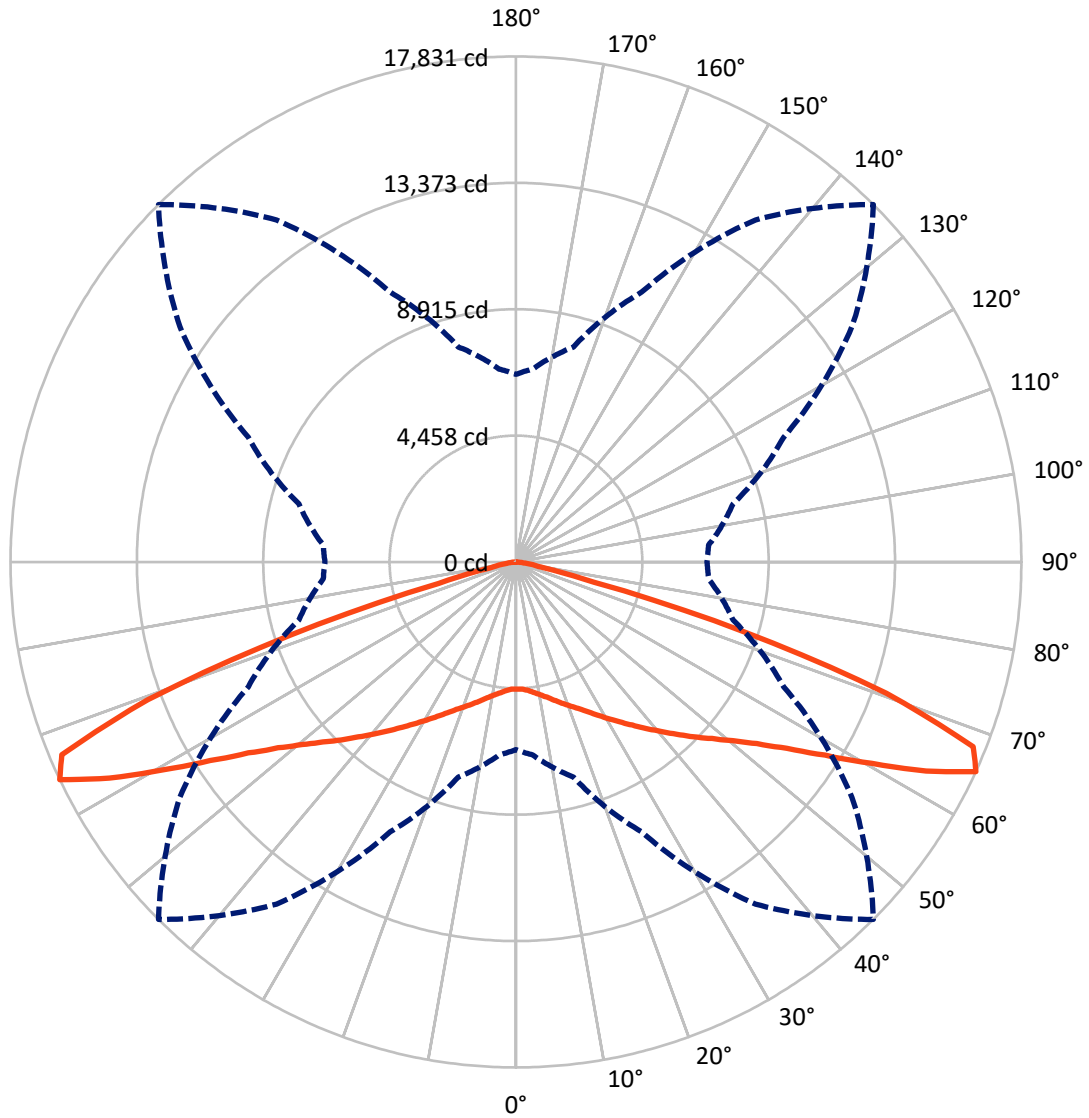
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	18853.5	0.0	18853.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18853.5	0.0	18853.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37707.0	0.0	37707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.9	1.2
10°-20°	1445.1	3.8
20°-30°	2728.6	7.2
30°-40°	4467.9	11.8
40°-50°	6927.6	18.4
50°-60°	10233.5	27.1
60°-70°	9741.3	25.8
70°-80°	1571.9	4.2
80°-90°	148.2	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°	37707.0	100.0
0°-180°	37707.0	100.0

Coefficient of Utilization



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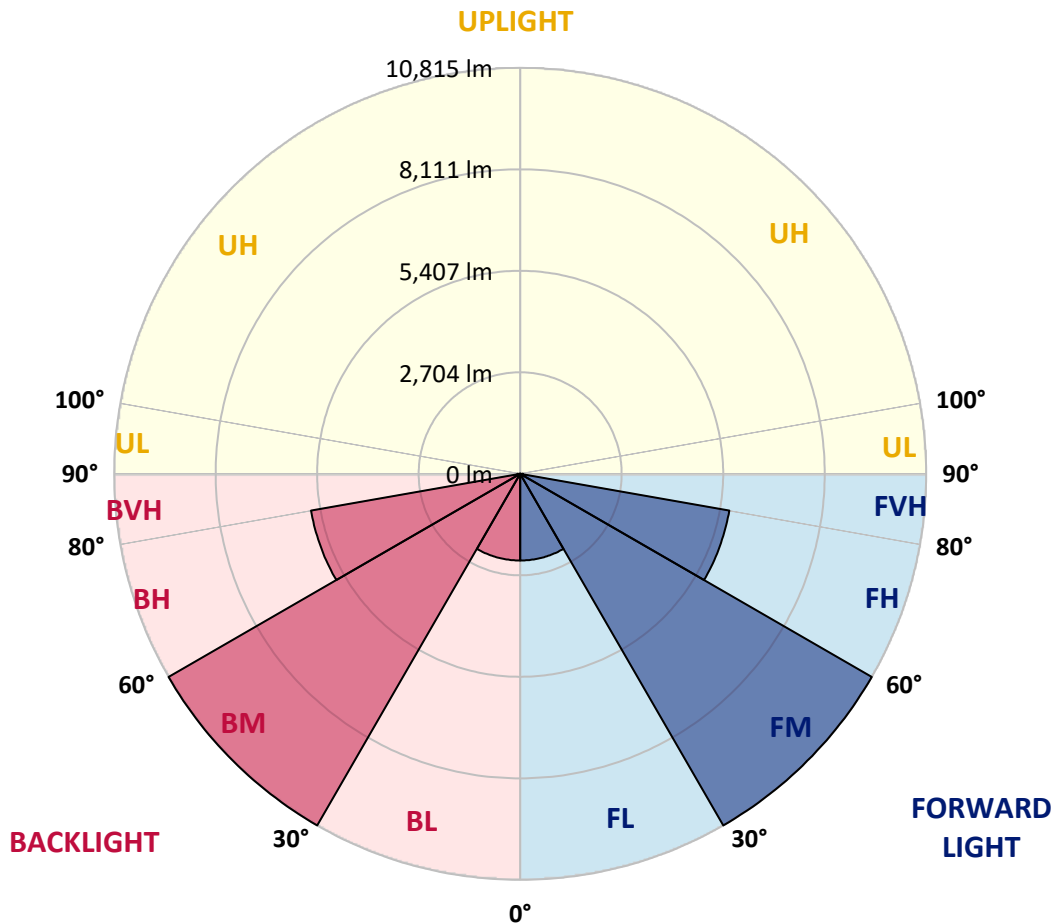
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2308.3	6.1			
FM (30°-60°)	10814.5	28.7			
FH (60°-80°)	5656.6	15.0			G3/7500
FVH (80°-90°)	74.1	0.2			G1/100
BL (0°-30°)	2308.3	6.1	B3/2500		
BM (30°-60°)	10814.5	28.7	B5		
BH (60°-80°)	5656.6	15.0	B5		G3/7500
BVH (80°-90°)	74.1	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°	4487.5	4487.5	4487.5	4487.5	4487.5	4487.5	4487.5	4487.5	4487.5	4487.5
2.5°	4517.8	4502.6	4514.0	4504.5	4497.0	4489.4	4493.2	4506.4	4512.1	4514.0
5°	4578.3	4565.1	4570.8	4570.8	4557.5	4553.7	4555.6	4565.1	4576.4	4576.4
7.5°	4676.7	4663.5	4676.7	4669.1	4657.8	4654.0	4652.1	4659.7	4676.7	4676.7
10°	4795.9	4780.7	4788.3	4784.5	4771.3	4765.6	4763.7	4775.1	4790.2	4788.3
12.5°	4926.4	4909.4	4918.9	4907.5	4903.7	4898.0	4898.0	4896.2	4905.6	4898.0
15°	5072.1	5060.7	5064.5	5057.0	5062.6	5058.9	5043.7	5036.2	5039.9	5028.6
17.5°	5244.3	5217.8	5231.0	5227.2	5227.2	5234.8	5210.2	5200.7	5208.3	5197.0
20°	5442.9	5416.4	5422.1	5414.5	5405.1	5412.6	5382.4	5389.9	5395.6	5388.0
22.5°	5660.5	5626.4	5624.5	5628.3	5607.5	5609.4	5588.6	5607.5	5618.8	5598.0
25°	5883.7	5847.8	5872.4	5862.9	5836.4	5842.1	5827.0	5845.9	5855.3	5828.8
27.5°	6120.2	6095.6	6118.3	6124.0	6091.8	6114.5	6091.8	6108.8	6118.3	6078.6
30°	6396.4	6371.8	6392.6	6407.8	6369.9	6405.9	6386.9	6398.3	6400.2	6352.9
32.5°	6697.2	6659.4	6712.3	6719.9	6678.3	6721.8	6697.2	6712.3	6721.8	6657.5
35°	7064.2	7016.9	7077.5	7068.0	7032.1	7068.0	7045.3	7068.0	7090.7	7013.2
37.5°	7459.6	7410.4	7474.8	7457.7	7423.7	7448.3	7435.0	7450.2	7486.1	7402.9
40°	7894.8	7834.2	7921.2	7891.0	7858.8	7855.0	7862.6	7872.1	7919.4	7826.7
42.5°	8360.2	8295.8	8426.4	8379.1	8333.7	8303.4	8328.0	8346.9	8392.3	8288.3
45°	8891.8	8818.0	8988.3	8931.5	8859.6	8797.2	8836.9	8865.3	8931.5	8806.6
47.5°	9478.3	9395.0	9576.6	9559.6	9442.3	9306.1	9396.9	9478.3	9527.4	9376.1
50°	10051.5	9987.2	10225.5	10246.4	10102.6	9911.5	10038.2	10161.2	10174.5	9975.8
52.5°	10588.8	10524.5	10870.7	11001.2	10872.6	10645.5	10779.9	10904.7	10804.5	10547.2
55°	11018.2	10965.3	11406.1	11742.8	11786.3	11599.0	11678.5	11674.7	11345.5	10950.1
57.5°	11122.3	11114.7	11670.9	12384.2	12838.2	12860.9	12703.9	12302.8	11593.4	11061.8
60°	10649.3	10696.6	11460.9	12719.0	13929.8	14433.1	13753.9	12609.3	11311.5	10573.6
62.5°	9234.2	9359.1	10280.4	12310.4	14811.4	16241.7	14595.8	12143.9	10153.7	9190.7
65°	6617.8	6835.3	7853.1	10505.5	14732.0	17830.9	14474.7	10420.4	7928.8	6818.3
67.5°	3002.4	3223.7	4088.3	7192.9	12806.1	17399.5	12775.8	7268.6	4292.6	3235.1
70°	1087.8	1125.7	1403.8	2879.4	8184.2	13863.6	8534.2	2900.2	1492.7	1199.4
72.5°	658.4	664.0	722.7	1031.1	2843.5	8416.9	2964.6	1065.1	737.8	654.6
75°	418.1	414.3	514.6	630.0	1008.4	2839.7	1057.6	630.0	512.7	467.3
77.5°	300.8	310.3	368.9	471.1	635.7	963.0	624.3	450.3	368.9	302.7
80°	225.1	230.8	268.6	367.0	446.5	599.7	397.3	333.0	278.1	189.2
82.5°	162.7	162.7	175.9	266.8	272.4	323.5	215.7	234.6	183.5	134.3
85°	96.5	94.6	109.7	158.9	141.9	119.2	98.4	143.8	115.4	83.2
87.5°	34.1	35.9	34.1	45.4	37.8	32.2	30.3	39.7	32.2	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4487.5
4514.0
4576.4
4671.0
4784.5
4901.8
5030.5
5206.4
5405.1
5618.8
5859.1
6108.8
6381.3
6701.0
7060.5
7454.0
7856.9
8343.1
8871.0
9427.2
10000.4
10554.7
10963.4
11027.7
10486.6
9133.9
6736.9
3187.8
1184.3
665.9
471.1
308.4
194.9
134.3
81.4
26.5
0.0

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