

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: P953567

Luminaire Tested: **GALN-SB7A-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953567
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-SB7A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 30038 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

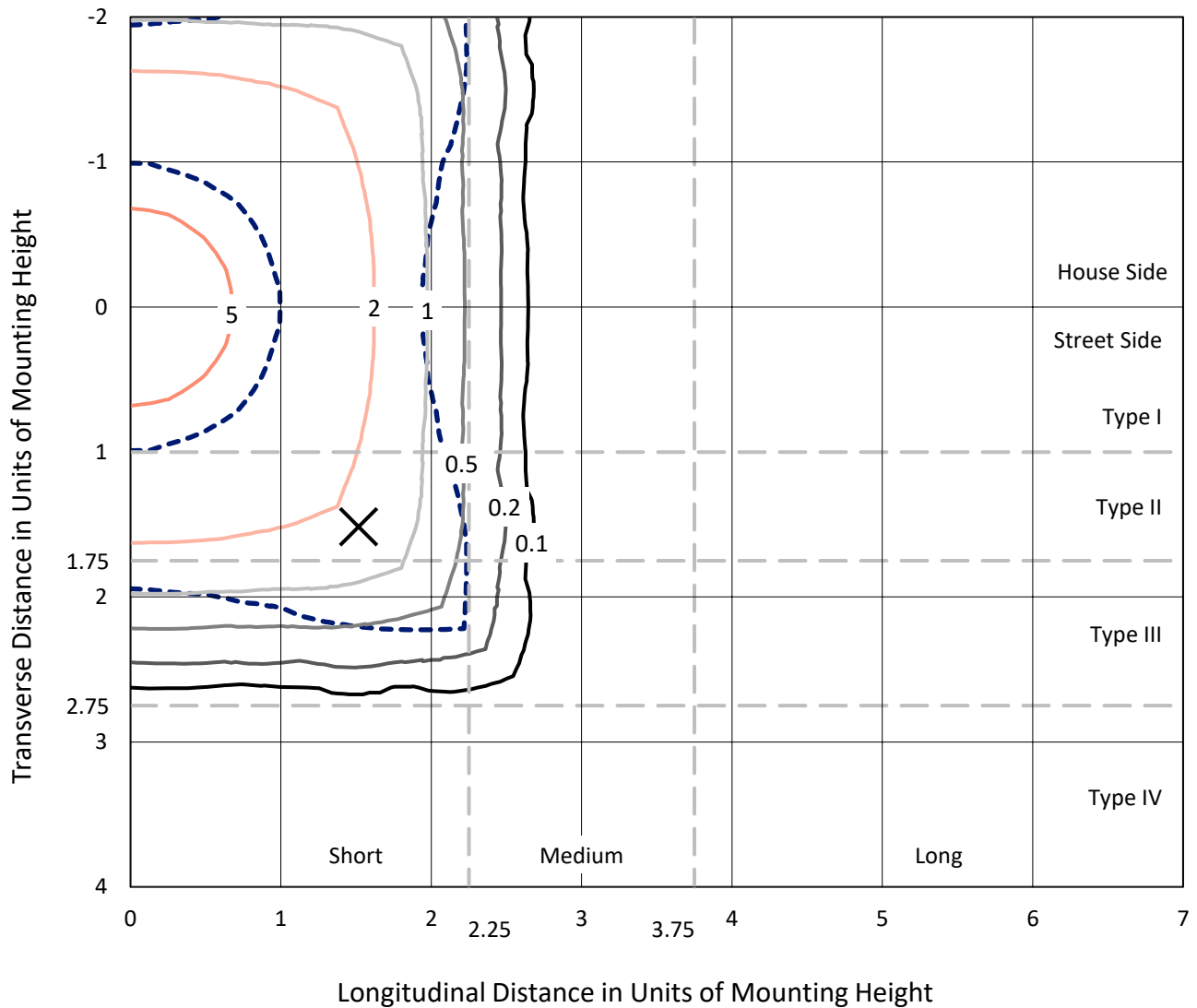
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953567
 CATALOG NUMBER: GALN-SB7A-830-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

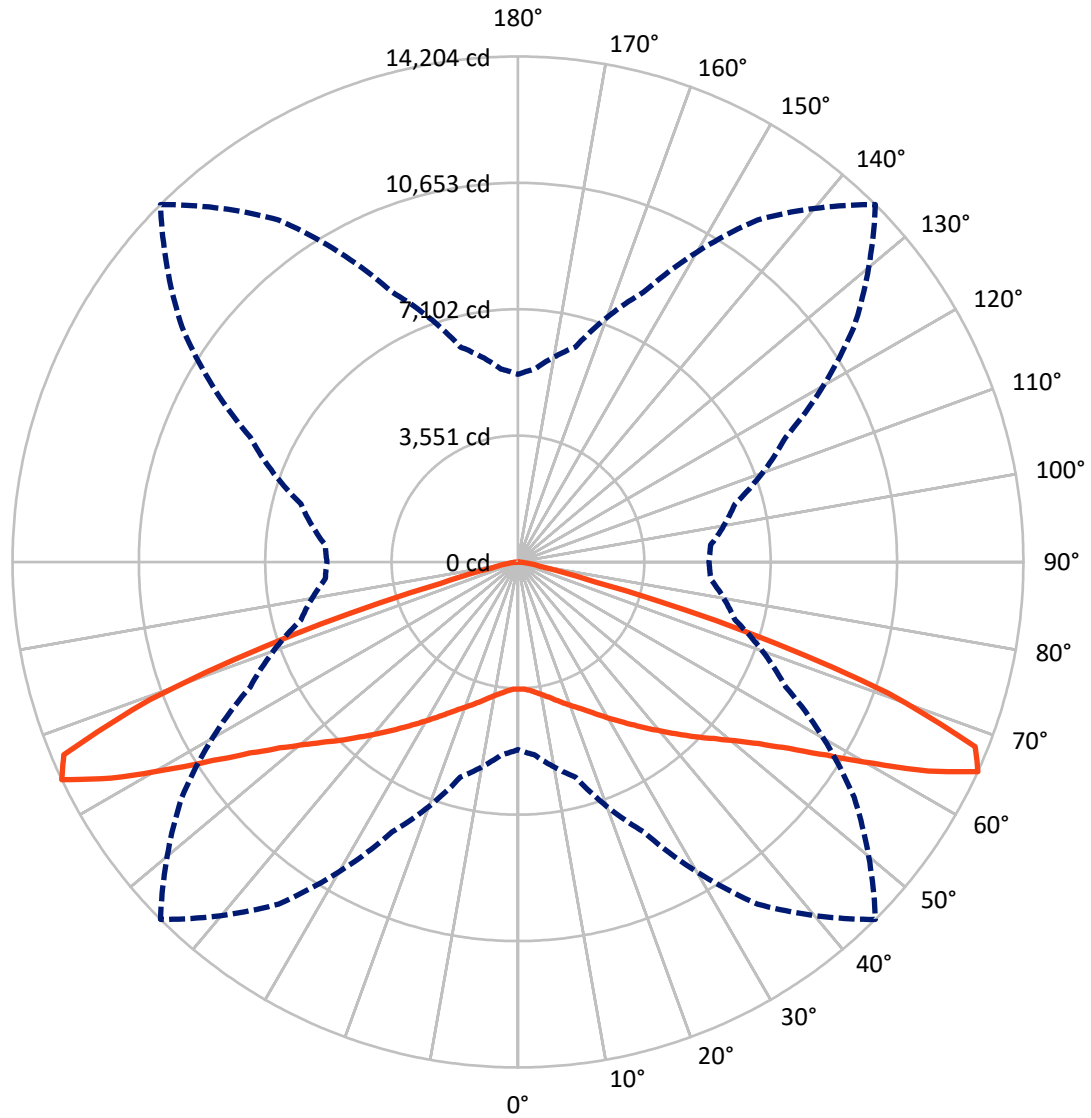
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P953567
CATALOG NUMBER: GALN-SB7A-830-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P953567

CATALOG NUMBER: GALN-SB7A-830-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15019.0	0.0	15019.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15019.0	0.0	15019.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30038.0	0.0	30038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.8	1.2
10°-20°	1151.2	3.8
20°-30°	2173.6	7.2
30°-40°	3559.2	11.8
40°-50°	5518.6	18.4
50°-60°	8152.2	27.1
60°-70°	7760.1	25.8
70°-80°	1252.2	4.2
80°-90°	118.0	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°	30038.0	100.0
0°-180°	30038.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953567

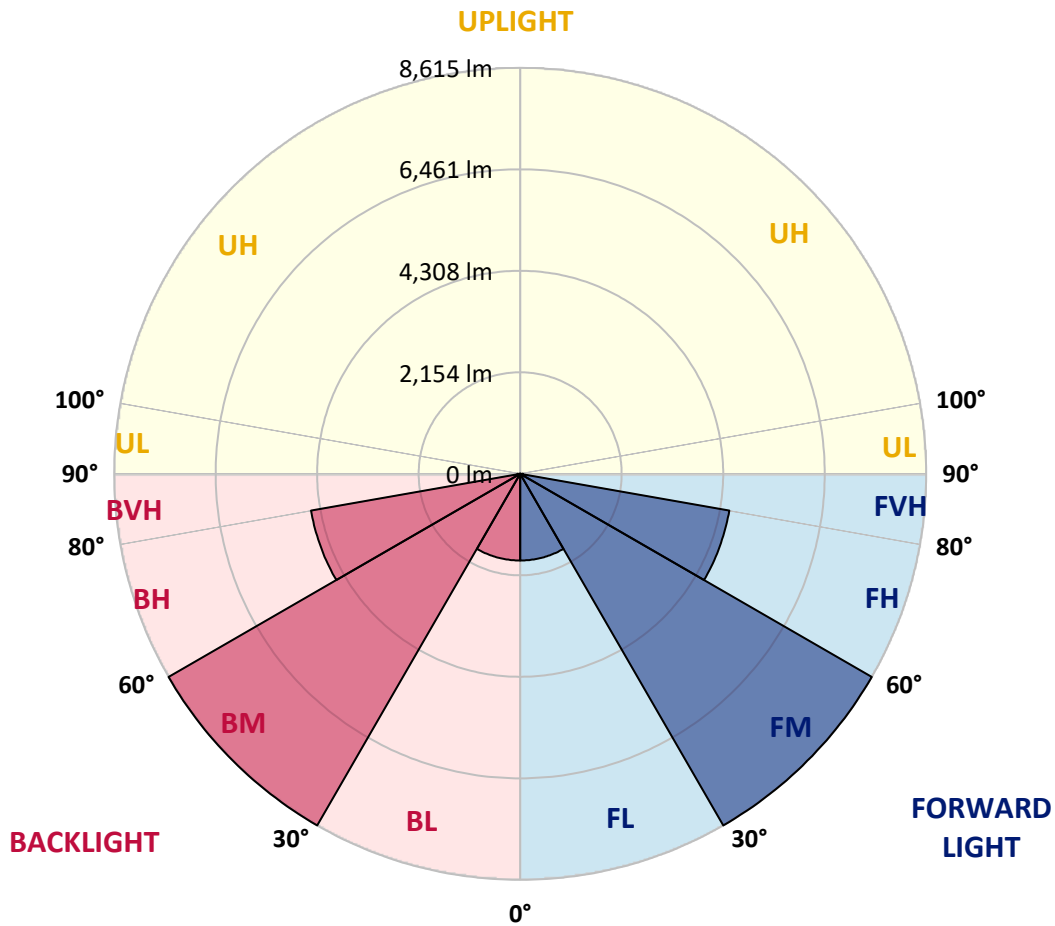
CATALOG NUMBER: GALN-SB7A-830-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1838.8	6.1			
FM (30°-60°)	8615.0	28.7			
FH (60°-80°)	4506.2	15.0			G2/5000
FVH (80°-90°)	59.0	0.2			G1/100
BL (0°-30°)	1838.8	6.1	B3/2500		
BM (30°-60°)	8615.0	28.7	B5		
BH (60°-80°)	4506.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	59.0	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



REPORT NUMBER: P953567
 CATALOG NUMBER: GALN-SB7A-830-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8
2.5°	3598.9	3586.9	3595.9	3588.4	3582.4	3576.3	3579.3	3589.9	3594.4	3595.9
5°	3647.2	3636.6	3641.1	3641.1	3630.6	3627.6	3629.1	3636.6	3645.7	3645.7
7.5°	3725.5	3715.0	3725.5	3719.5	3710.5	3707.4	3705.9	3712.0	3725.5	3725.5
10°	3820.5	3808.4	3814.5	3811.4	3800.9	3796.4	3794.9	3803.9	3816.0	3814.5
12.5°	3924.5	3910.9	3918.4	3909.4	3906.4	3901.9	3901.9	3900.4	3907.9	3901.9
15°	4040.5	4031.5	4034.5	4028.5	4033.0	4030.0	4017.9	4011.9	4014.9	4005.9
17.5°	4177.7	4156.6	4167.1	4164.1	4164.1	4170.1	4150.5	4143.0	4149.0	4140.0
20°	4335.9	4314.8	4319.3	4313.3	4305.8	4311.8	4287.7	4293.7	4298.2	4292.2
22.5°	4509.2	4482.1	4480.6	4483.6	4467.0	4468.5	4452.0	4467.0	4476.1	4459.5
25°	4687.1	4658.4	4678.0	4670.5	4649.4	4653.9	4641.8	4656.9	4664.4	4643.4
27.5°	4875.4	4855.9	4873.9	4878.5	4852.8	4870.9	4852.8	4866.4	4873.9	4842.3
30°	5095.5	5075.9	5092.5	5104.5	5074.4	5103.0	5087.9	5097.0	5098.5	5060.8
32.5°	5335.1	5305.0	5347.2	5353.2	5320.0	5354.7	5335.1	5347.2	5354.7	5303.5
35°	5627.5	5589.8	5638.0	5630.5	5601.9	5630.5	5612.4	5630.5	5648.6	5586.8
37.5°	5942.5	5903.3	5954.5	5941.0	5913.8	5933.4	5922.9	5934.9	5963.6	5897.3
40°	6289.1	6240.9	6310.2	6286.1	6260.5	6257.4	6263.5	6271.0	6308.7	6234.8
42.5°	6659.8	6608.6	6712.6	6674.9	6638.7	6614.6	6634.2	6649.3	6685.5	6602.6
45°	7083.3	7024.6	7160.2	7115.0	7057.7	7008.0	7039.6	7062.2	7115.0	7015.5
47.5°	7550.5	7484.2	7628.9	7615.3	7521.9	7413.4	7485.7	7550.5	7589.7	7469.1
50°	8007.2	7955.9	8145.8	8162.4	8047.9	7895.7	7996.6	8094.6	8105.1	7946.9
52.5°	8435.2	8384.0	8659.8	8763.7	8661.3	8480.4	8587.4	8686.9	8607.0	8402.0
55°	8777.3	8735.1	9086.3	9354.5	9389.2	9240.0	9303.3	9300.3	9038.0	8723.0
57.5°	8860.2	8854.2	9297.3	9865.4	10227.1	10245.2	10120.1	9800.6	9235.5	8812.0
60°	8483.4	8521.1	9130.0	10132.2	11096.7	11497.6	10956.6	10044.8	9010.9	8423.1
62.5°	7356.1	7455.6	8189.5	9806.6	11799.0	12938.4	11627.2	9674.0	8088.6	7321.5
65°	5271.8	5445.1	6255.9	8368.9	11735.7	14204.3	11530.8	8301.1	6316.2	5431.6
67.5°	2391.8	2568.1	3256.8	5730.0	10201.5	13860.7	10177.4	5790.2	3419.6	2577.1
70°	866.6	896.7	1118.3	2293.8	6519.7	11044.0	6798.5	2310.4	1189.1	955.5
72.5°	524.5	529.0	575.7	821.4	2265.2	6705.1	2361.6	848.5	587.8	521.5
75°	333.1	330.1	409.9	501.9	803.3	2262.1	842.5	501.9	408.4	372.3
77.5°	239.6	247.2	293.9	375.3	506.4	767.1	497.3	358.7	293.9	241.1
80°	179.3	183.9	214.0	292.4	355.7	477.7	316.5	265.2	221.5	150.7
82.5°	129.6	129.6	140.2	212.5	217.0	257.7	171.8	186.9	146.2	107.0
85°	76.9	75.4	87.4	126.6	113.0	94.9	78.4	114.5	91.9	66.3
87.5°	27.1	28.6	27.1	36.2	30.1	25.6	24.1	31.6	25.6	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3574.8
3595.9
3645.7
3721.0
3811.4
3904.9
4007.4
4147.5
4305.8
4476.1
4667.5
4866.4
5083.4
5338.1
5624.5
5937.9
6259.0
6646.3
7066.8
7509.8
7966.5
8408.1
8733.6
8784.8
8353.8
7276.2
5366.8
2539.5
943.4
530.5
375.3
245.7
155.2
107.0
64.8
21.1
0.0

OF REPORT)