

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: P955352

Luminaire Tested: **GALN-SB8B-830-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955352  
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-SB8B-830-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

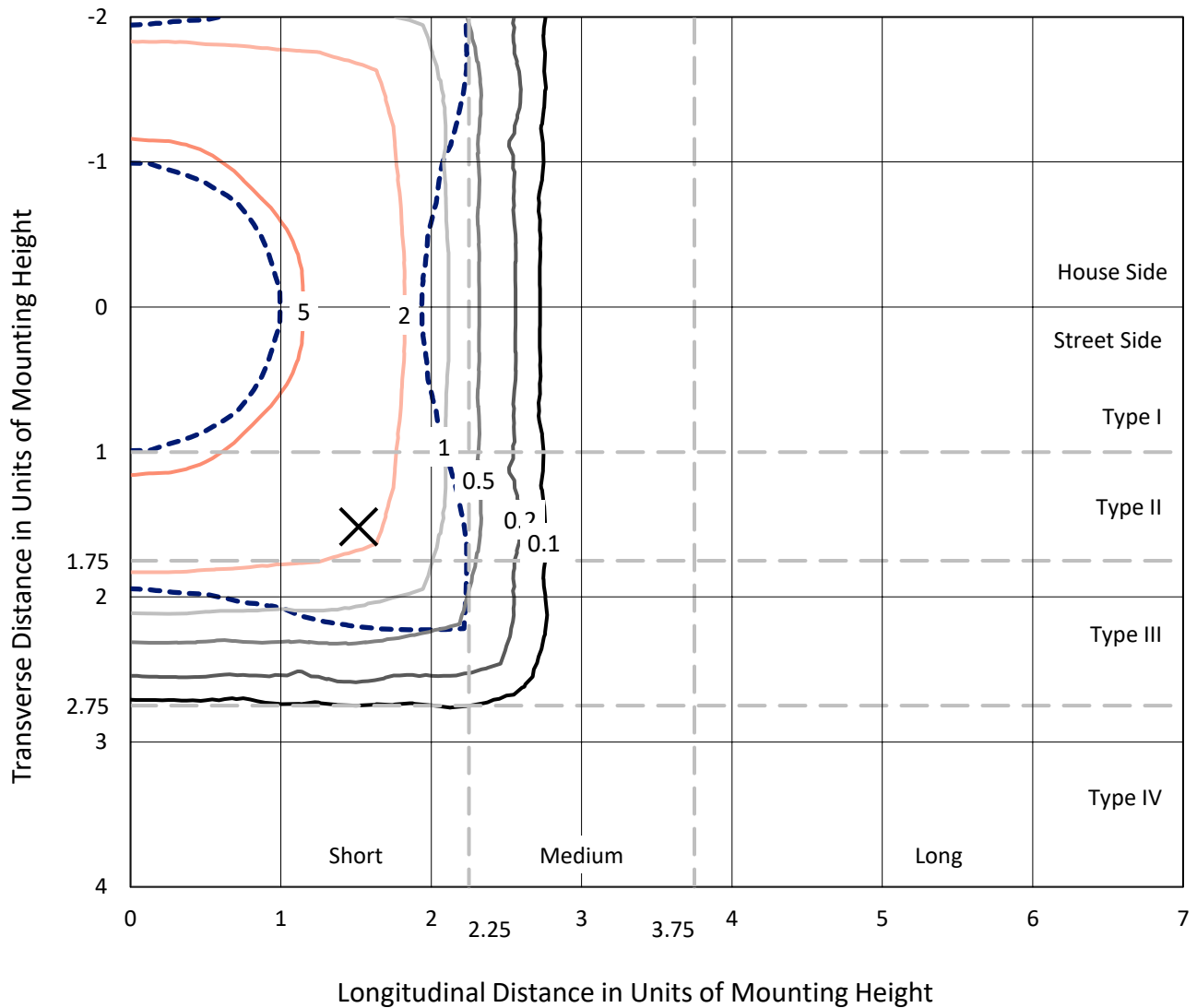
Lumens per Lamp: N/A  
Luminaire Lumens: 42874 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P955352  
 CATALOG NUMBER: GALN-SB8B-830-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

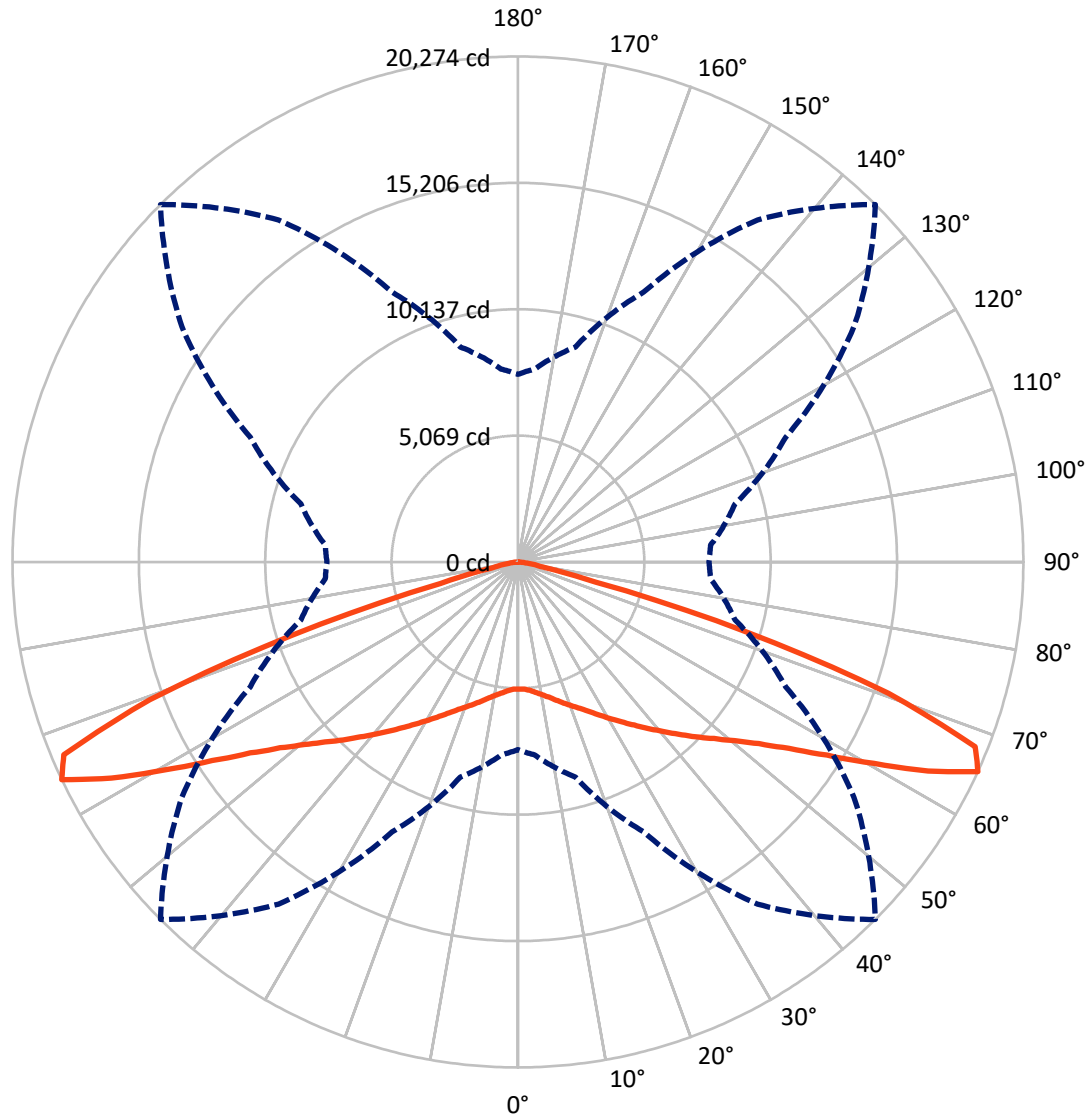
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P955352  
CATALOG NUMBER: GALN-SB8B-830-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P955352  
 CATALOG NUMBER: GALN-SB8B-830-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21437.0	0.0	21437.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21437.0	0.0	21437.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42874.0	0.0	42874.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	503.6	1.2
10°-20°	1643.2	3.8
20°-30°	3102.5	7.2
30°-40°	5080.2	11.8
40°-50°	7876.9	18.4
50°-60°	11635.8	27.1
60°-70°	11076.2	25.8
70°-80°	1787.3	4.2
80°-90°	168.5	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°	42874.0	100.0
0°-180°	42874.0	100.0



REPORT NUMBER: P955352

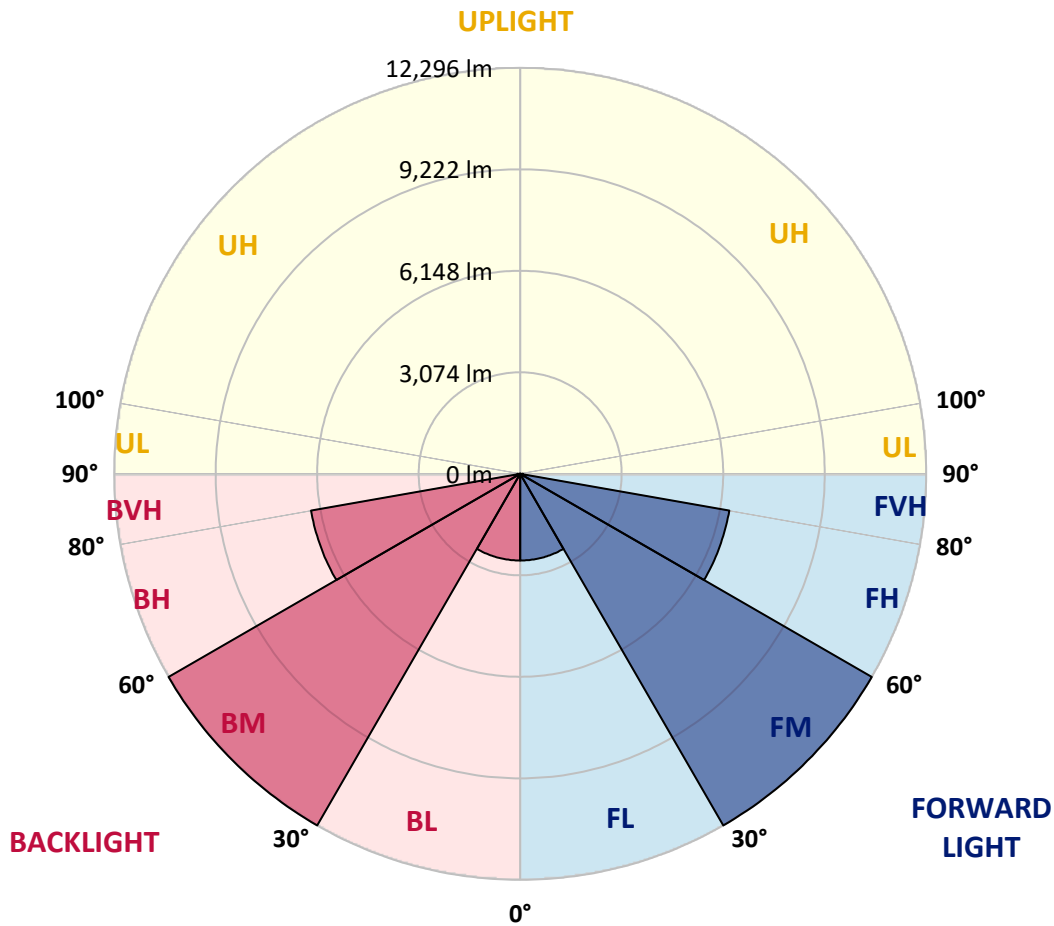
CATALOG NUMBER: GALN-SB8B-830-U-5NQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2624.6	6.1			
FM (30°-60°)	12296.4	28.7			
FH (60°-80°)	6431.7	15.0			G3/7500
FVH (80°-90°)	84.2	0.2			G1/100
BL (0°-30°)	2624.6	6.1	B4/5000		
BM (30°-60°)	12296.4	28.7	B5		
BH (60°-80°)	6431.7	15.0	B5		G3/7500
BVH (80°-90°)	84.2	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



REPORT NUMBER: P955352  
 CATALOG NUMBER: GALN-SB8B-830-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5102.4	5102.4	5102.4	5102.4	5102.4	5102.4	5102.4	5102.4	5102.4	5102.4
2.5°	5136.9	5119.6	5132.6	5121.8	5113.2	5104.6	5108.9	5123.9	5130.4	5132.6
5°	5205.7	5190.6	5197.1	5197.1	5182.0	5177.7	5179.9	5190.6	5203.5	5203.5
7.5°	5317.5	5302.5	5317.5	5308.9	5296.0	5291.7	5289.6	5298.2	5317.5	5317.5
10°	5453.1	5435.9	5444.5	5440.2	5425.1	5418.6	5416.5	5429.4	5446.6	5444.5
12.5°	5601.5	5582.1	5592.9	5580.0	5575.7	5569.2	5569.2	5567.1	5577.8	5569.2
15°	5767.1	5754.2	5758.5	5749.9	5756.4	5752.1	5734.9	5726.3	5730.6	5717.7
17.5°	5962.9	5932.8	5947.8	5943.5	5943.5	5952.1	5924.2	5913.4	5922.0	5909.1
20°	6188.7	6158.6	6165.1	6156.5	6145.7	6154.3	6119.9	6128.5	6135.0	6126.4
22.5°	6436.1	6397.4	6395.3	6399.6	6375.9	6378.0	6354.4	6375.9	6388.8	6365.1
25°	6690.0	6649.1	6677.0	6666.3	6636.2	6642.6	6625.4	6646.9	6657.7	6627.6
27.5°	6958.8	6930.9	6956.7	6963.1	6926.6	6952.4	6926.6	6945.9	6956.7	6911.5
30°	7272.9	7244.9	7268.6	7285.8	7242.8	7283.7	7262.2	7275.1	7277.2	7223.4
32.5°	7614.9	7571.9	7632.1	7640.7	7593.4	7642.9	7614.9	7632.1	7642.9	7569.8
35°	8032.2	7978.5	8047.3	8036.5	7995.7	8036.5	8010.7	8036.5	8062.4	7974.2
37.5°	8481.8	8425.9	8499.0	8479.7	8441.0	8468.9	8453.9	8471.1	8511.9	8417.3
40°	8976.6	8907.7	9006.7	8972.3	8935.7	8931.4	8940.0	8950.8	9004.5	8899.1
42.5°	9505.8	9432.6	9581.0	9527.3	9475.6	9441.2	9469.2	9490.7	9542.3	9424.0
45°	10110.2	10026.3	10219.9	10155.4	10073.7	10002.7	10047.8	10080.1	10155.4	10013.4
47.5°	10777.1	10682.4	10888.9	10869.6	10736.2	10581.3	10684.6	10777.1	10833.0	10660.9
50°	11428.9	11355.7	11626.8	11650.4	11486.9	11269.7	11413.8	11553.6	11568.7	11342.8
52.5°	12039.8	11966.6	12360.3	12508.7	12362.4	12104.3	12257.0	12399.0	12285.0	11992.4
55°	12528.1	12467.8	12969.0	13351.9	13401.4	13188.5	13278.8	13274.5	12900.2	12450.6
57.5°	12646.4	12637.8	13270.2	14081.2	14597.4	14623.3	14444.7	13988.7	13182.0	12577.5
60°	12108.6	12162.4	13031.4	14461.9	15838.6	16410.8	15638.6	14337.2	12861.5	12022.6
62.5°	10499.6	10641.5	11689.1	13997.3	16841.0	18467.3	16595.8	13808.0	11545.0	10450.1
65°	7524.6	7772.0	8929.3	11945.1	16750.7	20274.2	16458.1	11848.3	9015.3	7752.6
67.5°	3413.8	3665.5	4648.6	8178.5	14560.9	19783.8	14526.5	8264.6	4880.9	3678.4
70°	1236.9	1279.9	1596.1	3274.0	9305.7	15763.3	9703.7	3297.7	1697.2	1363.8
72.5°	748.6	755.0	821.7	1172.4	3233.1	9570.3	3370.8	1211.1	838.9	744.3
75°	475.4	471.1	585.1	716.3	1146.5	3228.8	1202.5	716.3	583.0	531.3
77.5°	342.0	352.8	419.5	535.6	722.8	1094.9	709.9	512.0	419.5	344.2
80°	256.0	262.4	305.5	417.3	507.7	681.9	451.7	378.6	316.2	215.1
82.5°	185.0	185.0	200.1	303.3	309.8	367.8	245.2	266.7	208.7	152.7
85°	109.7	107.6	124.8	180.7	161.3	135.5	111.9	163.5	131.2	94.6
87.5°	38.7	40.9	38.7	51.6	43.0	36.6	34.4	45.2	36.6	32.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5102.4
5132.6
5203.5
5311.1
5440.2
5573.5
5719.8
5919.9
6145.7
6388.8
6662.0
6945.9
7255.7
7619.2
8027.9
8475.4
8933.6
9486.4
10086.6
10719.0
11370.8
12001.0
12465.7
12538.8
11923.6
10385.6
7660.1
3624.6
1346.6
757.2
535.6
350.6
221.6
152.7
92.5
30.1
0.0

OF REPORT)