

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: P944998

Luminaire Tested: **GALN-SB1A-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944998  
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-SB1A-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4223 lumens  
Efficiency: N/A  
Efficacy: 136.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

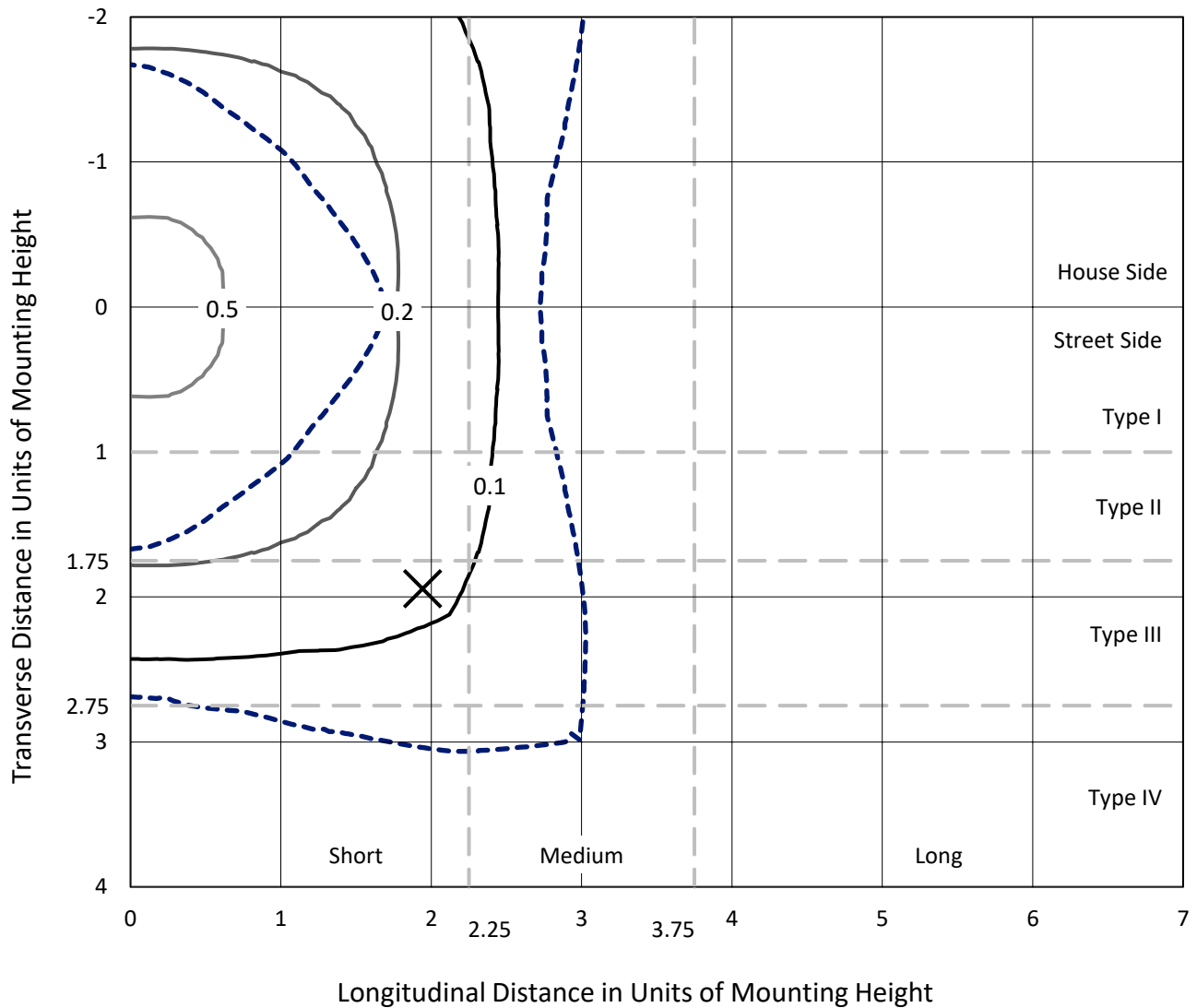
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

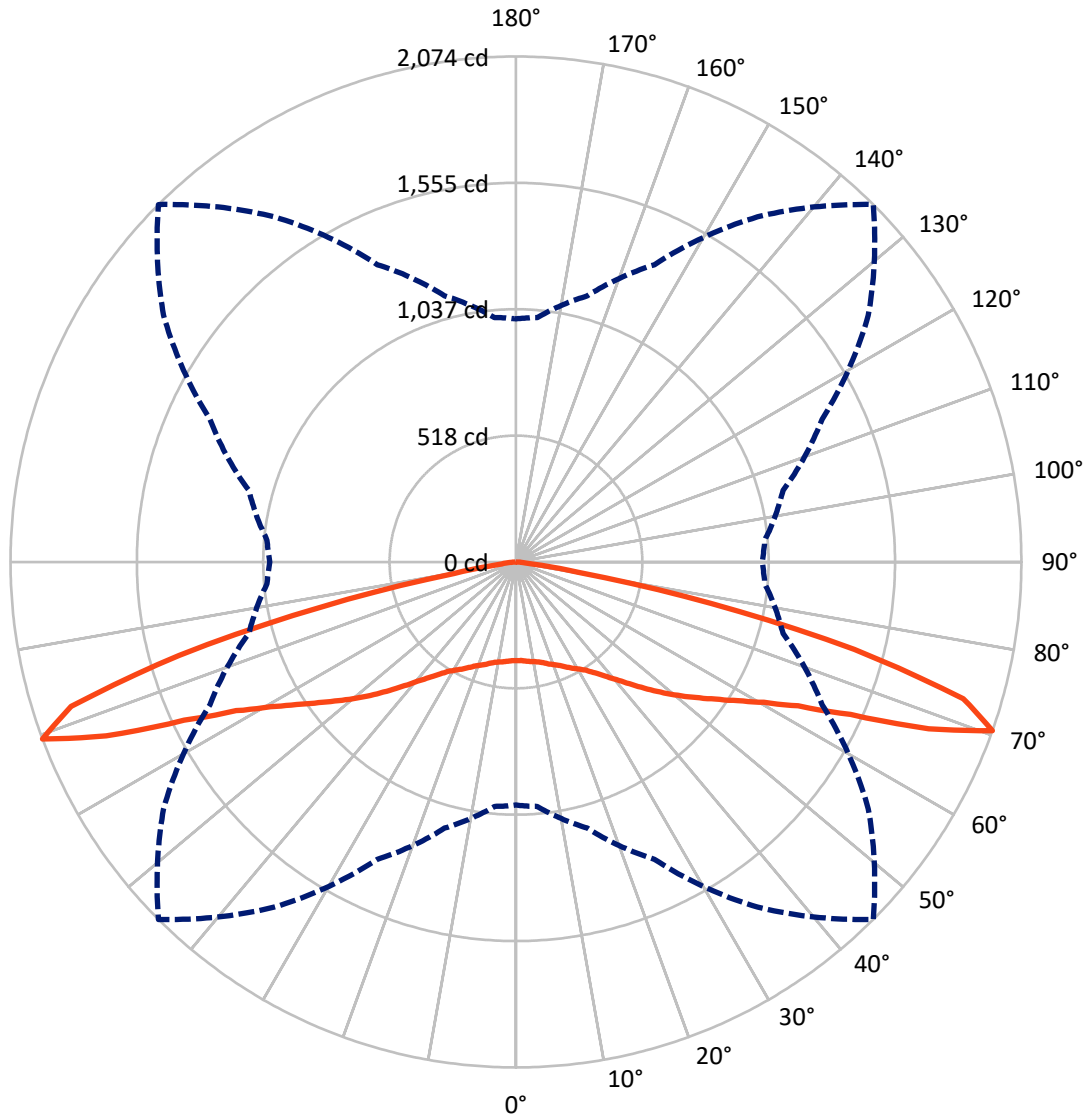
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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
<b>House Side</b>	Lumens	2111.5	0.0	2111.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2111.5	0.0	2111.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4223.0	0.0	4223.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.3	0.9
10°-20°	121.9	2.9
20°-30°	217.8	5.2
30°-40°	353.0	8.4
40°-50°	575.0	13.6
50°-60°	876.7	20.8
60°-70°	1304.3	30.9
70°-80°	710.9	16.8
80°-90°	24.2	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°	4223.0	100.0
0°-180°	4223.0	100.0

**Coefficient of Utilization**



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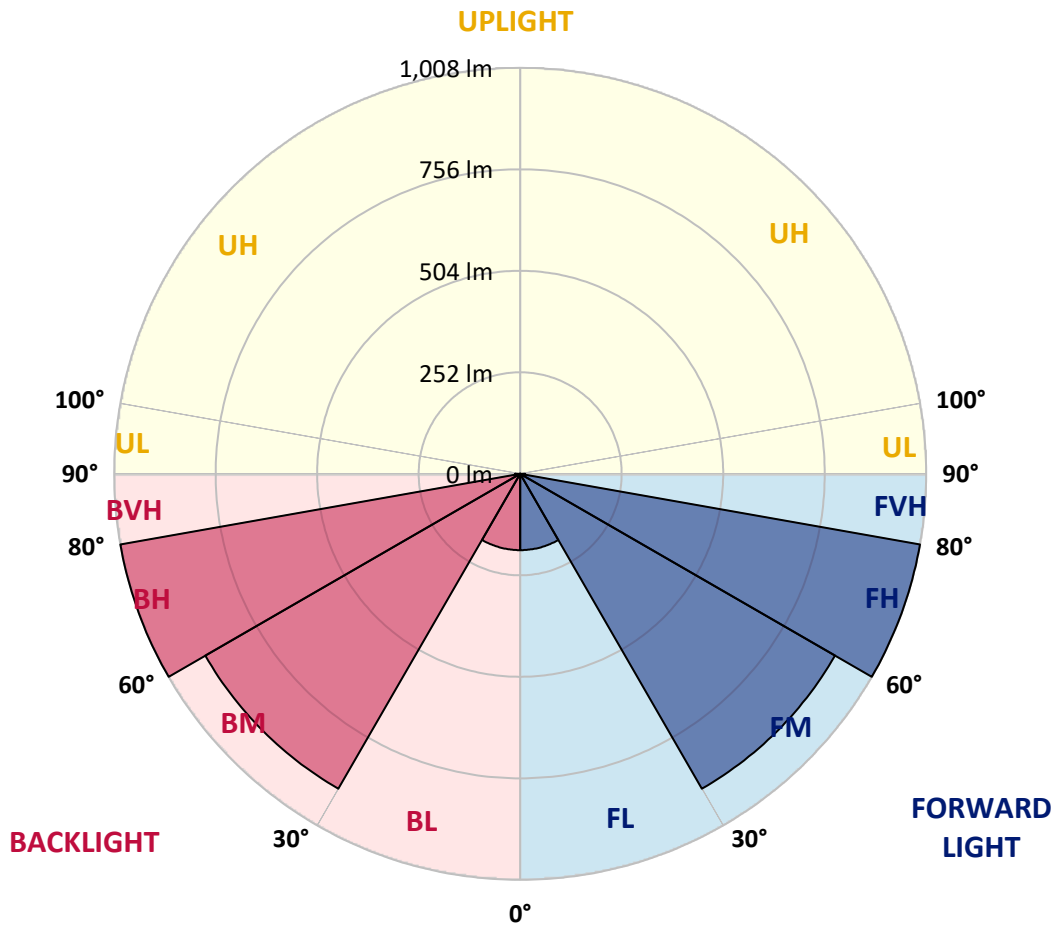
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.5	4.5			
FM (30°-60°)	902.4	21.4			
FH (60°-80°)	1007.6	23.9			G1/1800
FVH (80°-90°)	12.1	0.3			G1/100
BL (0°-30°)	189.5	4.5	B1/500		
BM (30°-60°)	902.4	21.4	B1/1000		
BH (60°-80°)	1007.6	23.9	B3/2500		G1/1800
BVH (80°-90°)	12.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5	404.5
2.5°	406.4	406.9	406.0	405.6	405.2	404.5	404.7	405.8	406.6	406.4
5°	409.8	410.2	409.6	409.4	408.5	408.3	408.3	409.4	410.0	409.6
7.5°	413.6	414.3	413.2	413.0	412.6	412.2	411.9	413.0	413.6	413.6
10°	417.2	417.9	417.0	416.4	416.0	416.0	415.5	416.4	417.5	417.2
12.5°	421.1	421.5	420.6	420.2	420.2	420.8	420.2	420.6	421.5	421.1
15°	425.7	425.9	425.7	426.4	427.4	429.5	427.6	427.2	427.6	426.6
17.5°	432.1	432.5	433.4	434.8	436.3	440.1	436.7	435.7	435.7	433.6
20°	439.9	440.6	441.8	444.4	446.3	449.9	446.5	445.0	444.4	441.6
22.5°	448.2	449.3	451.2	454.6	457.9	461.3	457.9	455.4	453.5	449.9
25°	457.7	459.0	462.0	467.5	472.2	477.0	473.0	467.9	464.1	459.0
27.5°	471.3	472.8	476.4	483.2	489.1	493.4	489.5	483.0	477.7	471.5
30°	490.4	491.9	496.1	503.3	507.3	510.1	507.6	502.5	496.1	489.1
32.5°	515.0	516.9	521.6	528.3	529.2	529.6	528.8	526.2	521.6	513.1
35°	546.1	548.3	553.6	559.1	558.2	559.1	557.8	557.0	553.6	543.8
37.5°	584.3	586.9	592.4	596.6	594.5	593.4	593.6	593.8	591.9	581.1
40°	628.6	632.0	636.0	640.5	636.9	633.7	635.8	637.5	635.8	624.8
42.5°	674.2	679.1	683.3	689.7	686.7	682.7	685.6	687.6	684.0	672.1
45°	724.9	729.5	735.0	744.6	742.5	738.2	742.5	742.9	736.7	722.8
47.5°	777.2	782.1	790.4	803.1	802.3	797.6	803.1	800.1	792.3	775.5
50°	826.8	833.6	846.4	864.2	865.9	860.1	867.6	861.8	848.7	827.7
52.5°	873.5	880.7	900.8	925.0	931.2	923.7	933.7	923.7	904.0	877.1
55°	922.5	930.5	954.5	986.1	998.4	992.9	1002.2	987.1	959.1	926.5
57.5°	980.1	985.0	1013.6	1051.2	1071.9	1073.2	1077.4	1052.0	1018.1	981.0
60°	1042.7	1049.5	1080.6	1125.6	1158.4	1169.0	1164.6	1126.8	1087.4	1044.8
62.5°	1122.8	1130.2	1167.6	1221.4	1273.3	1299.6	1282.3	1227.6	1178.8	1127.7
65°	1189.2	1197.4	1264.9	1360.9	1455.5	1508.3	1464.6	1363.9	1276.1	1204.0
67.5°	1141.1	1151.2	1257.0	1433.4	1668.5	1826.1	1676.6	1455.0	1283.1	1185.4
70°	997.3	1006.8	1130.2	1345.9	1728.5	2073.7	1764.6	1385.5	1134.3	1024.9
72.5°	662.1	692.9	817.7	1076.4	1543.5	1918.9	1558.7	1054.5	758.6	660.6
75°	219.6	244.2	329.5	558.0	1033.8	1435.1	984.2	493.8	261.0	187.8
77.5°	55.3	63.8	88.0	159.6	412.4	817.1	371.2	130.4	71.0	49.6
80°	26.9	29.7	42.4	53.2	103.3	259.7	96.9	50.0	33.5	25.9
82.5°	14.8	15.1	24.0	30.1	38.4	67.2	39.9	29.3	19.3	15.7
85°	9.1	8.9	12.7	16.1	16.1	24.0	19.1	16.1	11.0	9.8
87.5°	3.6	3.6	4.7	5.1	4.5	6.1	4.9	5.3	4.2	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
404.5
406.6
409.8
413.6
417.2
420.8
426.6
433.6
441.6
449.7
458.8
471.3
489.1
513.3
543.8
581.1
624.8
672.9
724.2
774.5
827.3
874.6
922.0
975.9
1038.0
1118.8
1192.1
1170.7
1010.2
639.2
177.7
44.3
23.7
15.7
10.2
4.2
0.0

OF REPORT)