

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: P947939

Luminaire Tested: **GALN-SB3A-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947939  
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-SB3A-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

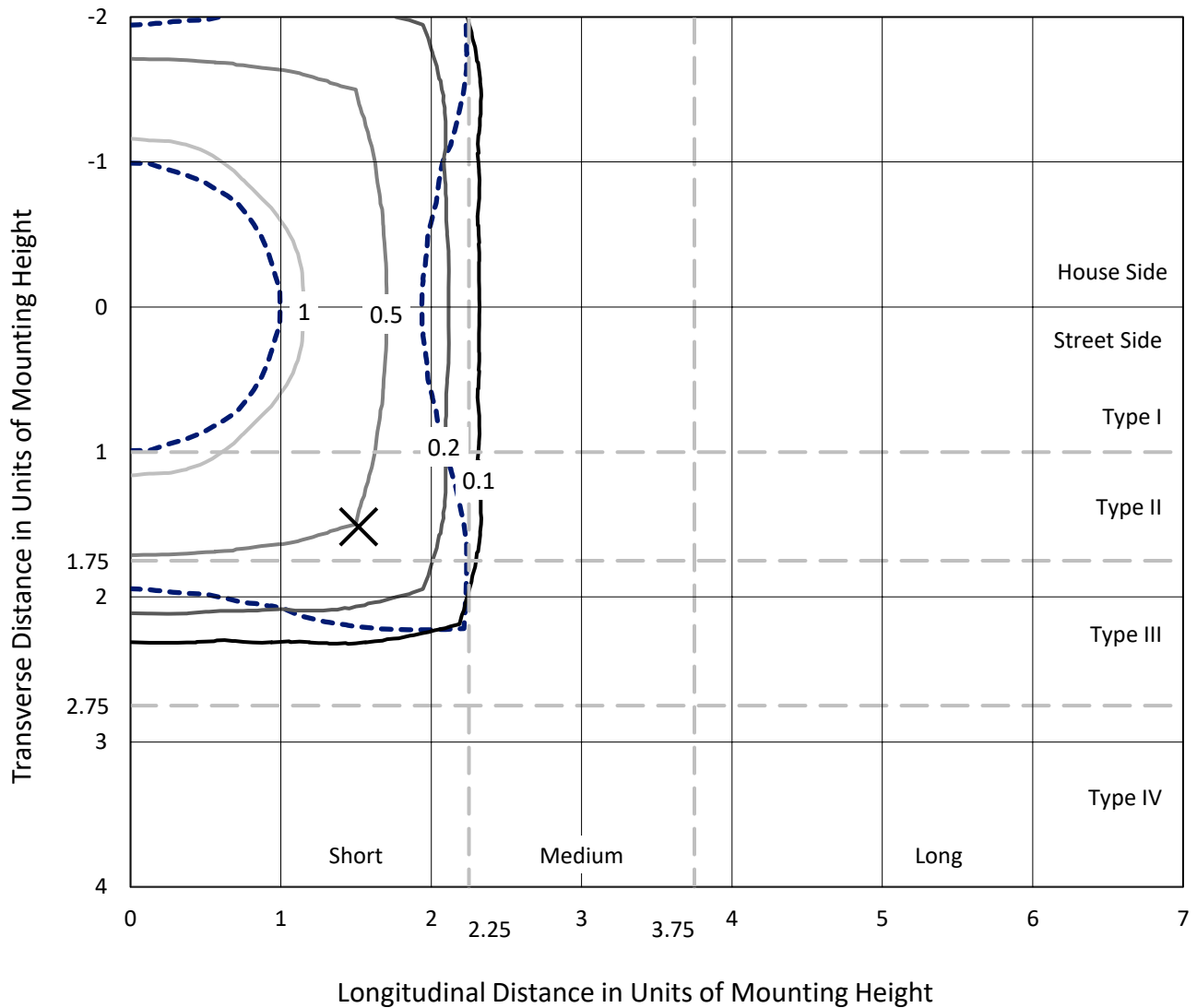
Lumens per Lamp: N/A  
Luminaire Lumens: 8585 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



REPORT NUMBER: P947939  
 CATALOG NUMBER: GALN-SB3A-927-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

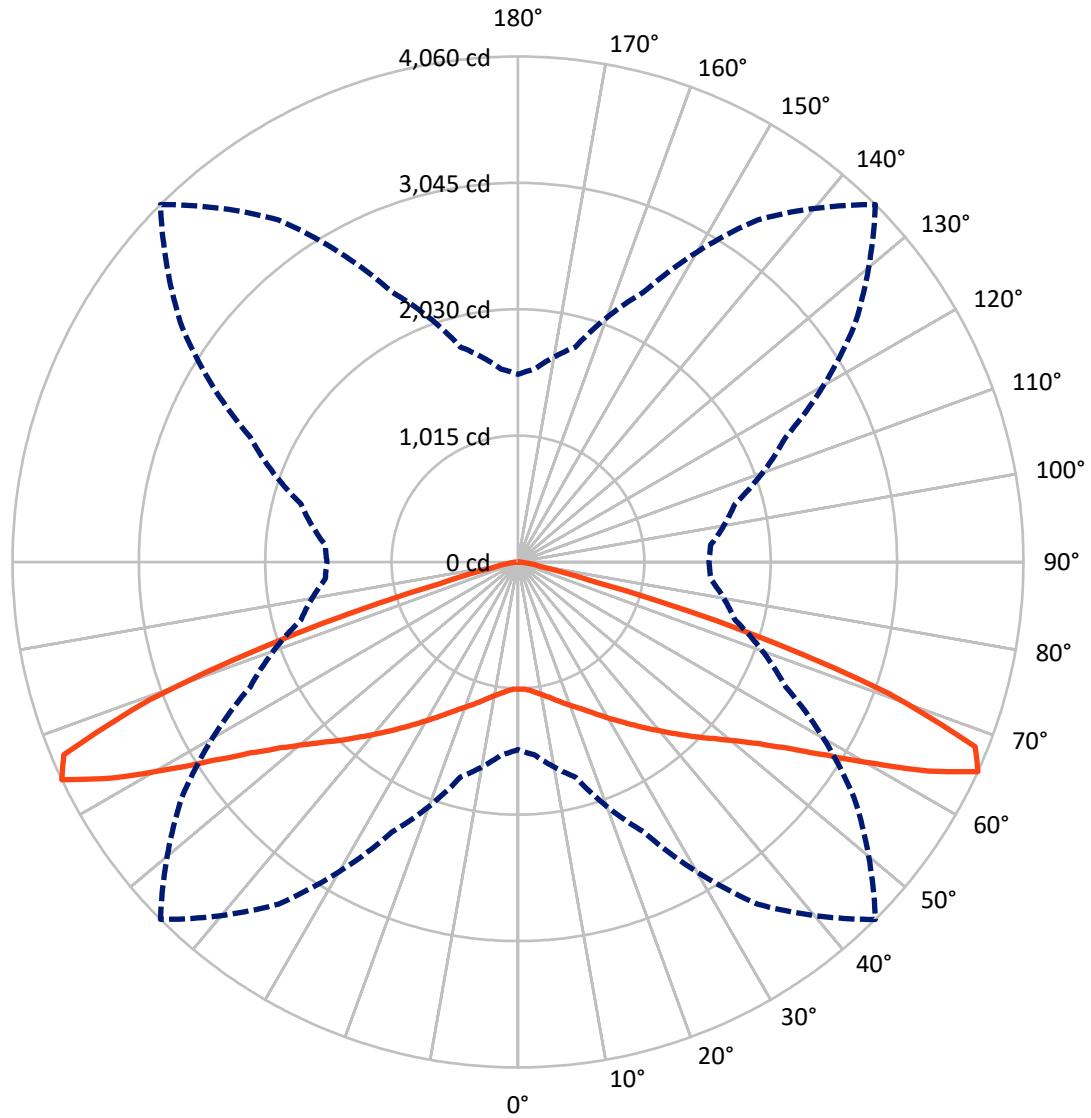
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P947939  
CATALOG NUMBER: GALN-SB3A-927-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P947939  
 CATALOG NUMBER: GALN-SB3A-927-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4292.5	0.0	4292.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4292.5	0.0	4292.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8585.0	0.0	8585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.8	1.2
10°-20°	329.0	3.8
20°-30°	621.2	7.2
30°-40°	1017.2	11.8
40°-50°	1577.3	18.4
50°-60°	2329.9	27.1
60°-70°	2217.9	25.8
70°-80°	357.9	4.2
80°-90°	33.7	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°	8585.0	100.0
0°-180°	8585.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P947939

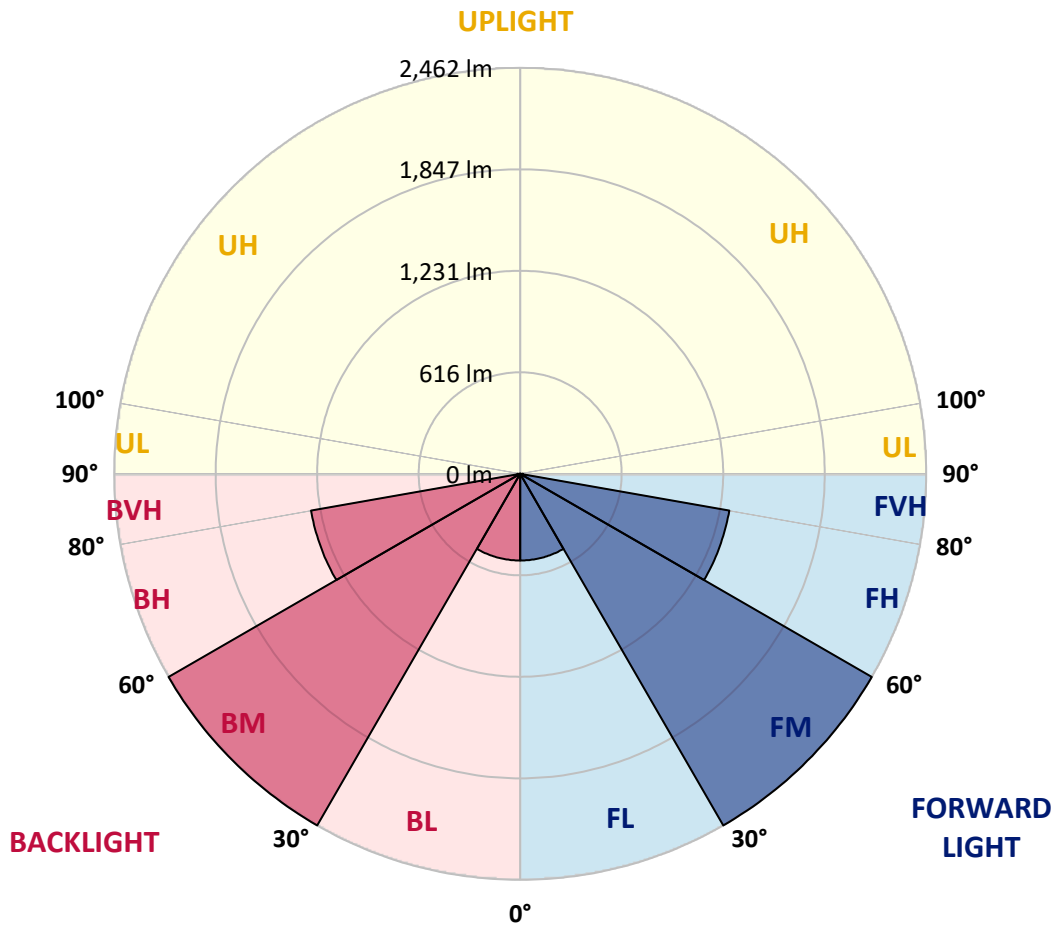
CATALOG NUMBER: GALN-SB3A-927-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.5	6.1			
FM (30°-60°)	2462.2	28.7			
FH (60°-80°)	1287.9	15.0			G1/1800
FVH (80°-90°)	16.9	0.2			G1/100
BL (0°-30°)	525.5	6.1	B2/1000		
BM (30°-60°)	2462.2	28.7	B2/2500		
BH (60°-80°)	1287.9	15.0	B3/2500		G1/1800
BVH (80°-90°)	16.9	0.2			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



REPORT NUMBER: P947939

CATALOG NUMBER: GALN-SB3A-927-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1021.7	1021.7	1021.7	1021.7	1021.7	1021.7	1021.7	1021.7	1021.7	1021.7
2.5°	1028.6	1025.1	1027.7	1025.6	1023.9	1022.1	1023.0	1026.0	1027.3	1027.7
5°	1042.4	1039.4	1040.7	1040.7	1037.6	1036.8	1037.2	1039.4	1041.9	1041.9
7.5°	1064.8	1061.8	1064.8	1063.1	1060.5	1059.6	1059.2	1060.9	1064.8	1064.8
10°	1091.9	1088.5	1090.2	1089.3	1086.3	1085.0	1084.6	1087.2	1090.6	1090.2
12.5°	1121.6	1117.8	1119.9	1117.3	1116.5	1115.2	1115.2	1114.7	1116.9	1115.2
15°	1154.8	1152.2	1153.1	1151.4	1152.6	1151.8	1148.3	1146.6	1147.5	1144.9
17.5°	1194.0	1188.0	1191.0	1190.1	1190.1	1191.8	1186.2	1184.1	1185.8	1183.2
20°	1239.2	1233.2	1234.5	1232.8	1230.6	1232.3	1225.4	1227.2	1228.5	1226.7
22.5°	1288.8	1281.0	1280.6	1281.4	1276.7	1277.1	1272.4	1276.7	1279.3	1274.5
25°	1339.6	1331.4	1337.0	1334.8	1328.8	1330.1	1326.7	1331.0	1333.1	1327.1
27.5°	1393.4	1387.8	1393.0	1394.3	1387.0	1392.1	1387.0	1390.8	1393.0	1383.9
30°	1456.3	1450.7	1455.4	1458.9	1450.3	1458.5	1454.2	1456.7	1457.2	1446.4
32.5°	1524.8	1516.2	1528.2	1530.0	1520.5	1530.4	1524.8	1528.2	1530.4	1515.8
35°	1608.4	1597.6	1611.4	1609.2	1601.0	1609.2	1604.1	1609.2	1614.4	1596.7
37.5°	1698.4	1687.2	1701.8	1698.0	1690.2	1695.8	1692.8	1696.2	1704.4	1685.5
40°	1797.5	1783.7	1803.5	1796.6	1789.3	1788.4	1790.1	1792.3	1803.1	1781.9
42.5°	1903.4	1888.8	1918.5	1907.7	1897.4	1890.5	1896.1	1900.4	1910.7	1887.0
45°	2024.4	2007.7	2046.4	2033.5	2017.1	2002.9	2012.0	2018.4	2033.5	2005.1
47.5°	2158.0	2139.0	2180.4	2176.5	2149.8	2118.8	2139.5	2158.0	2169.2	2134.7
50°	2288.5	2273.8	2328.1	2332.9	2300.1	2256.6	2285.5	2313.5	2316.5	2271.3
52.5°	2410.8	2396.2	2475.0	2504.7	2475.4	2423.7	2454.3	2482.8	2459.9	2401.3
55°	2508.6	2496.5	2596.9	2673.6	2683.5	2640.8	2658.9	2658.1	2583.1	2493.1
57.5°	2532.3	2530.6	2657.2	2819.6	2923.0	2928.1	2892.4	2801.1	2639.5	2518.5
60°	2424.6	2435.4	2609.4	2895.8	3171.5	3286.1	3131.4	2870.8	2575.4	2407.4
62.5°	2102.4	2130.8	2340.6	2802.8	3372.2	3697.9	3323.1	2764.9	2311.7	2092.5
65°	1506.7	1556.2	1788.0	2391.9	3354.1	4059.7	3295.5	2372.5	1805.2	1552.4
67.5°	683.6	734.0	930.8	1637.7	2915.6	3961.5	2908.7	1654.9	977.3	736.6
70°	247.7	256.3	319.6	655.6	1863.4	3156.4	1943.0	660.3	339.8	273.1
72.5°	149.9	151.2	164.5	234.7	647.4	1916.3	675.0	242.5	168.0	149.0
75°	95.2	94.3	117.2	143.4	229.6	646.5	240.8	143.4	116.7	106.4
77.5°	68.5	70.6	84.0	107.3	144.7	219.2	142.1	102.5	84.0	68.9
80°	51.3	52.5	61.2	83.6	101.7	136.5	90.5	75.8	63.3	43.1
82.5°	37.0	37.0	40.1	60.7	62.0	73.7	49.1	53.4	41.8	30.6
85°	22.0	21.5	25.0	36.2	32.3	27.1	22.4	32.7	26.3	19.0
87.5°	7.8	8.2	7.8	10.3	8.6	7.3	6.9	9.0	7.3	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
1021.7
1027.7
1041.9
1063.5
1089.3
1116.0
1145.3
1185.4
1230.6
1279.3
1334.0
1390.8
1452.9
1525.7
1607.5
1697.1
1788.8
1899.5
2019.7
2146.3
2276.9
2403.1
2496.1
2510.7
2387.6
2079.6
1533.8
725.8
269.6
151.6
107.3
70.2
44.4
30.6
18.5
6.0
0.0

OF REPORT)