

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: P947938

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947938
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-SB3A-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8580 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

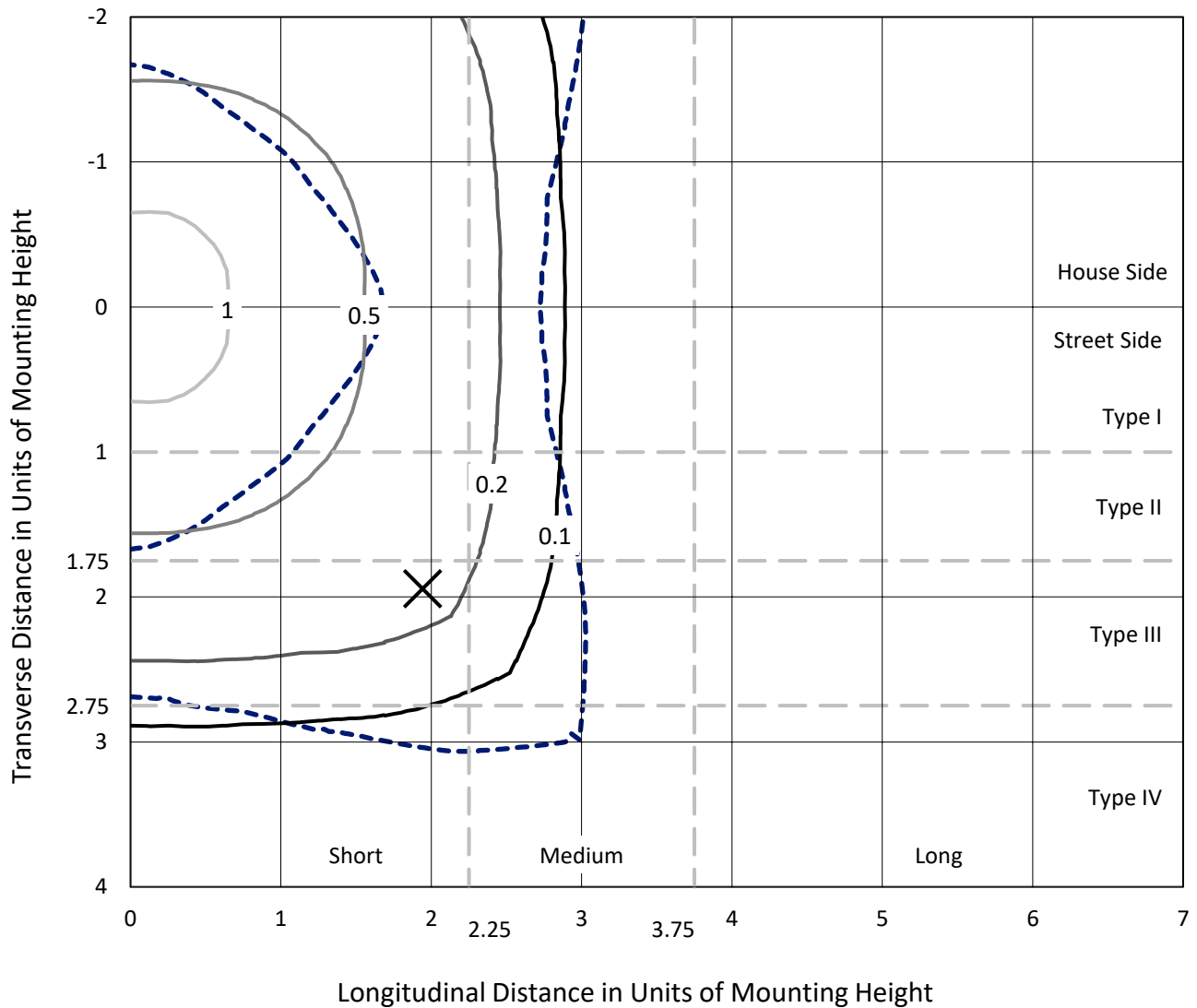
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947938
 CATALOG NUMBER: GALN-SB3A-927-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

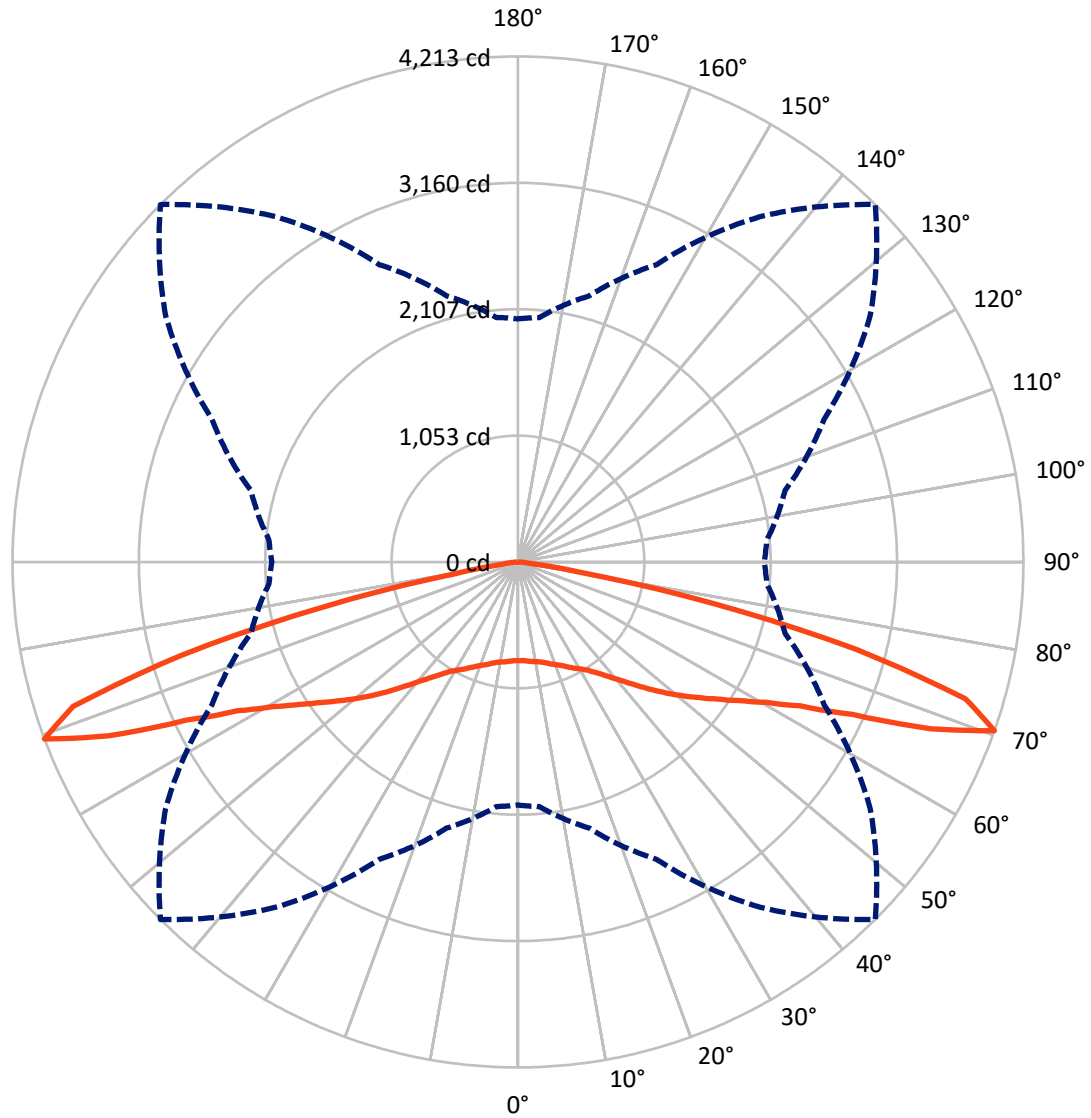
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P947938
CATALOG NUMBER: GALN-SB3A-927-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P947938

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4290.0	0.0	4290.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4290.0	0.0	4290.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8580.0	0.0	8580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	0.9
10°-20°	247.6	2.9
20°-30°	442.5	5.2
30°-40°	717.2	8.4
40°-50°	1168.3	13.6
50°-60°	1781.2	20.8
60°-70°	2649.9	30.9
70°-80°	1444.3	16.8
80°-90°	49.2	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°	8580.0	100.0
0°-180°	8580.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947938

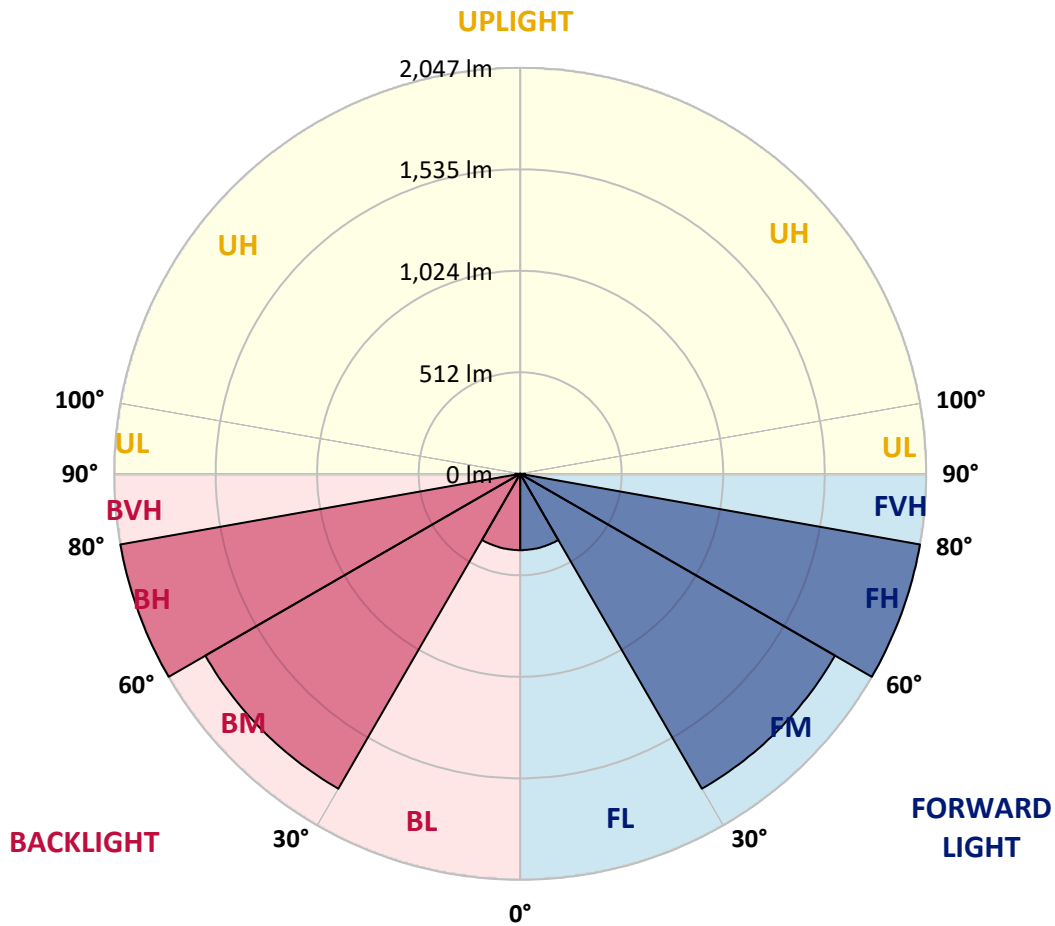
CATALOG NUMBER: GALN-SB3A-927-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.0	4.5			
FM	(30°-60°)	1833.4	21.4			
FH	(60°-80°)	2047.1	23.9			G2/5000
FVH	(80°-90°)	24.6	0.3			G1/100
BL	(0°-30°)	385.0	4.5	B1/500		
BM	(30°-60°)	1833.4	21.4	B2/2500		
BH	(60°-80°)	2047.1	23.9	B3/2500		G2/5000
BVH	(80°-90°)	24.6	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-G2

Type V Short



REPORT NUMBER: P947938

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9	821.9
2.5°	825.8	826.6	824.9	824.0	823.2	821.9	822.3	824.5	826.2	825.8
5°	832.6	833.5	832.2	831.8	830.1	829.6	829.6	831.8	833.1	832.2
7.5°	840.4	841.7	839.5	839.1	838.2	837.4	837.0	839.1	840.4	840.4
10°	847.7	849.0	847.3	846.0	845.1	845.1	844.3	846.0	848.2	847.7
12.5°	855.5	856.3	854.6	853.8	853.8	855.0	853.8	854.6	856.3	855.5
15°	865.0	865.4	865.0	866.2	868.4	872.7	868.8	868.0	868.8	866.7
17.5°	877.9	878.7	880.5	883.5	886.5	894.2	887.3	885.2	885.2	880.9
20°	893.8	895.1	897.7	902.9	906.7	914.1	907.2	904.1	902.9	897.3
22.5°	910.6	912.8	916.6	923.5	930.4	937.3	930.4	925.3	921.4	914.1
25°	930.0	932.6	938.6	949.8	959.3	969.2	961.0	950.7	942.9	932.6
27.5°	957.6	960.6	967.9	981.7	993.7	1002.4	994.6	981.3	970.5	958.0
30°	996.3	999.3	1008.0	1022.6	1030.8	1036.4	1031.2	1020.9	1008.0	993.7
32.5°	1046.3	1050.2	1059.7	1073.4	1075.2	1076.0	1074.3	1069.1	1059.7	1042.4
35°	1109.6	1113.9	1124.7	1135.9	1134.2	1135.9	1133.3	1131.6	1124.7	1104.9
37.5°	1187.2	1192.3	1203.5	1212.1	1207.8	1205.7	1206.1	1206.5	1202.7	1180.7
40°	1277.2	1284.1	1292.3	1301.3	1294.0	1287.5	1291.8	1295.3	1291.8	1269.4
42.5°	1369.8	1379.7	1388.3	1401.2	1395.2	1387.0	1393.1	1396.9	1389.6	1365.5
45°	1472.7	1482.2	1493.4	1512.8	1508.5	1499.9	1508.5	1509.4	1496.9	1468.4
47.5°	1579.1	1589.0	1605.8	1631.7	1630.0	1620.5	1631.7	1625.7	1609.7	1575.7
50°	1679.9	1693.7	1719.6	1755.7	1759.2	1747.6	1762.6	1751.0	1724.3	1681.7
52.5°	1774.7	1789.3	1830.3	1879.4	1891.9	1876.8	1897.0	1876.8	1836.7	1782.0
55°	1874.2	1890.6	1939.2	2003.4	2028.4	2017.2	2036.2	2005.6	1948.7	1882.4
57.5°	1991.4	2001.3	2059.4	2135.7	2177.9	2180.5	2189.1	2137.4	2068.5	1993.1
60°	2118.4	2132.2	2195.5	2286.9	2353.6	2375.2	2366.1	2289.4	2209.3	2122.7
62.5°	2281.3	2296.3	2372.2	2481.6	2587.1	2640.5	2605.2	2494.1	2395.0	2291.2
65°	2416.1	2432.9	2569.9	2765.0	2957.1	3064.4	2975.6	2771.0	2592.7	2446.2
67.5°	2318.3	2339.0	2553.9	2912.3	3390.0	3710.1	3406.4	2956.3	2606.9	2408.3
70°	2026.3	2045.6	2296.3	2734.4	3511.9	4213.2	3585.2	2815.0	2304.5	2082.3
72.5°	1345.2	1407.7	1661.4	2186.9	3135.9	3898.7	3166.9	2142.6	1541.2	1342.2
75°	446.3	496.2	669.4	1133.7	2100.3	2915.8	1999.6	1003.2	530.3	381.6
77.5°	112.4	129.7	178.8	324.4	837.8	1660.1	754.2	264.9	144.3	100.8
80°	54.7	60.3	86.2	108.1	209.8	527.7	196.9	101.7	68.1	52.6
82.5°	30.2	30.6	48.7	61.2	78.0	136.5	81.0	59.4	39.2	31.9
85°	18.5	18.1	25.8	32.7	32.7	48.7	38.8	32.7	22.4	19.8
87.5°	7.3	7.3	9.5	10.3	9.0	12.5	9.9	10.8	8.6	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
821.9
826.2
832.6
840.4
847.7
855.0
866.7
880.9
897.3
913.6
932.1
957.6
993.7
1042.9
1104.9
1180.7
1269.4
1367.2
1471.4
1573.5
1680.8
1776.9
1873.3
1982.8
2109.0
2273.1
2422.1
2378.6
2052.5
1298.7
361.0
90.0
48.2
31.9
20.7
8.6
0.0

OF REPORT)