

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: P948295

Luminaire Tested: **GALN-SB3B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948295
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-SB3B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10770 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

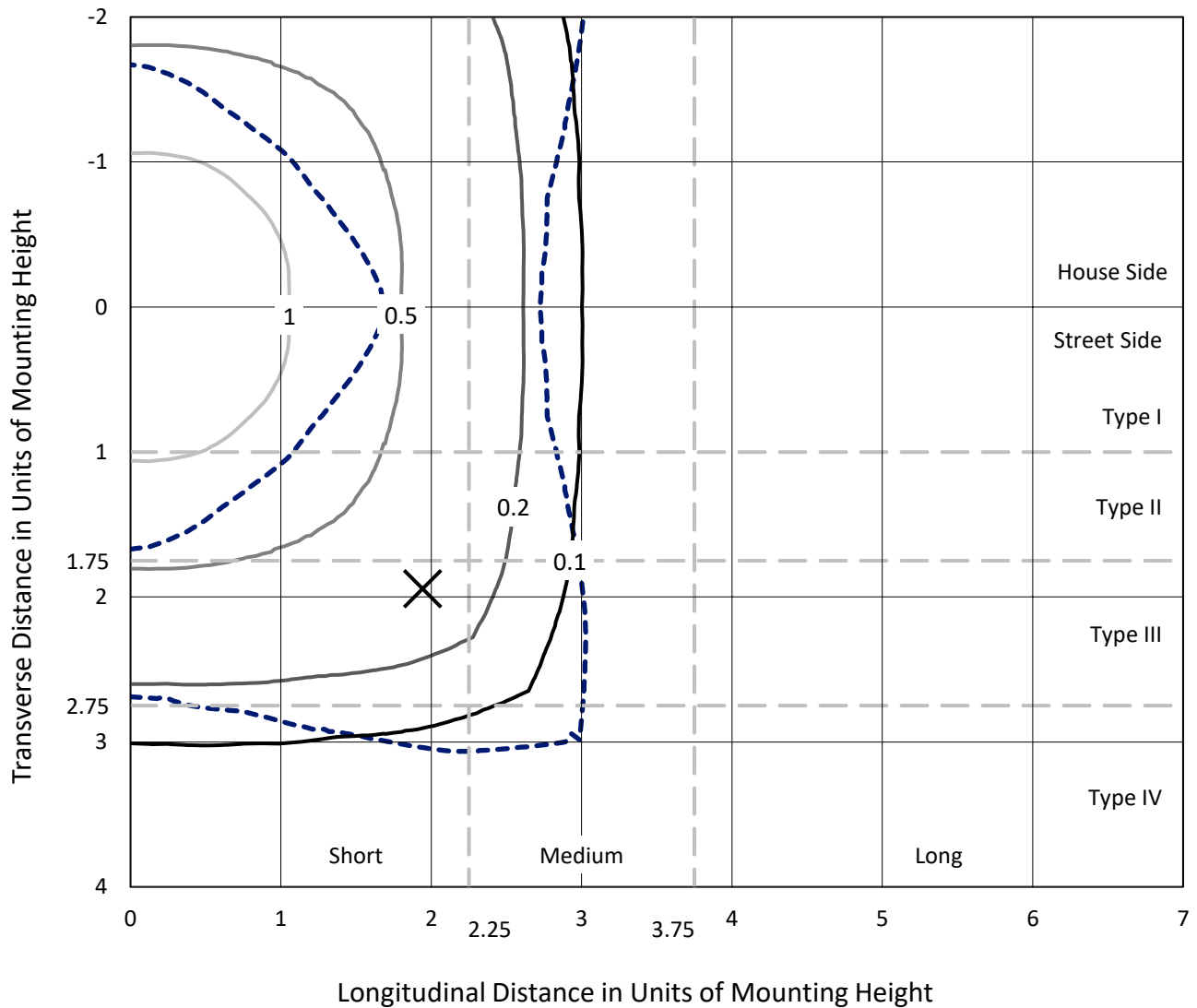
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948295
 CATALOG NUMBER: GALN-SB3B-927-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

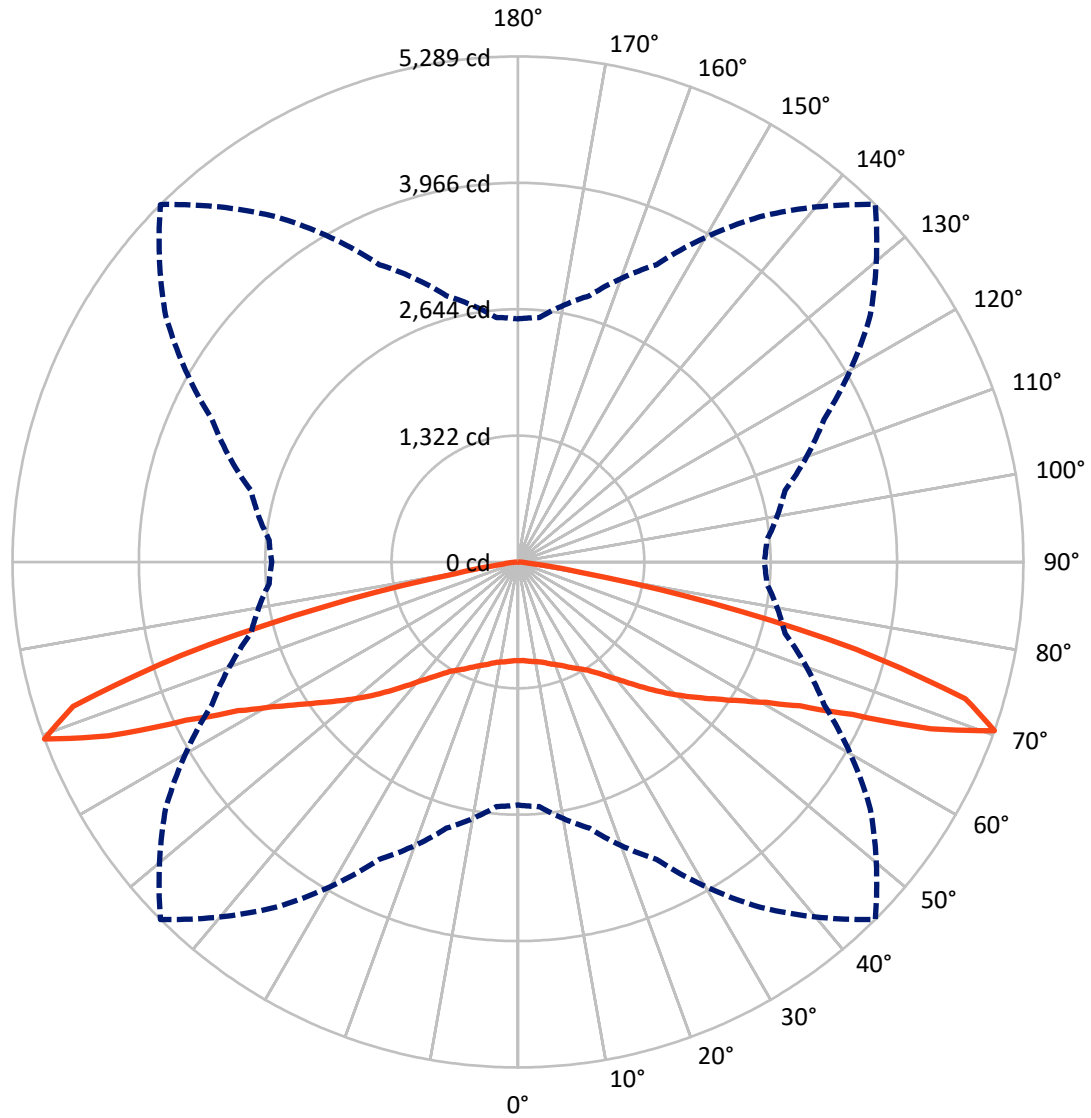
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P948295
CATALOG NUMBER: GALN-SB3B-927-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P948295

CATALOG NUMBER: GALN-SB3B-927-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5385.0	0.0	5385.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5385.0	0.0	5385.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10770.0	0.0	10770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	0.9
10°-20°	310.8	2.9
20°-30°	555.4	5.2
30°-40°	900.3	8.4
40°-50°	1466.5	13.6
50°-60°	2235.9	20.8
60°-70°	3326.3	30.9
70°-80°	1812.9	16.8
80°-90°	61.7	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°	10770.0	100.0
0°-180°	10770.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948295

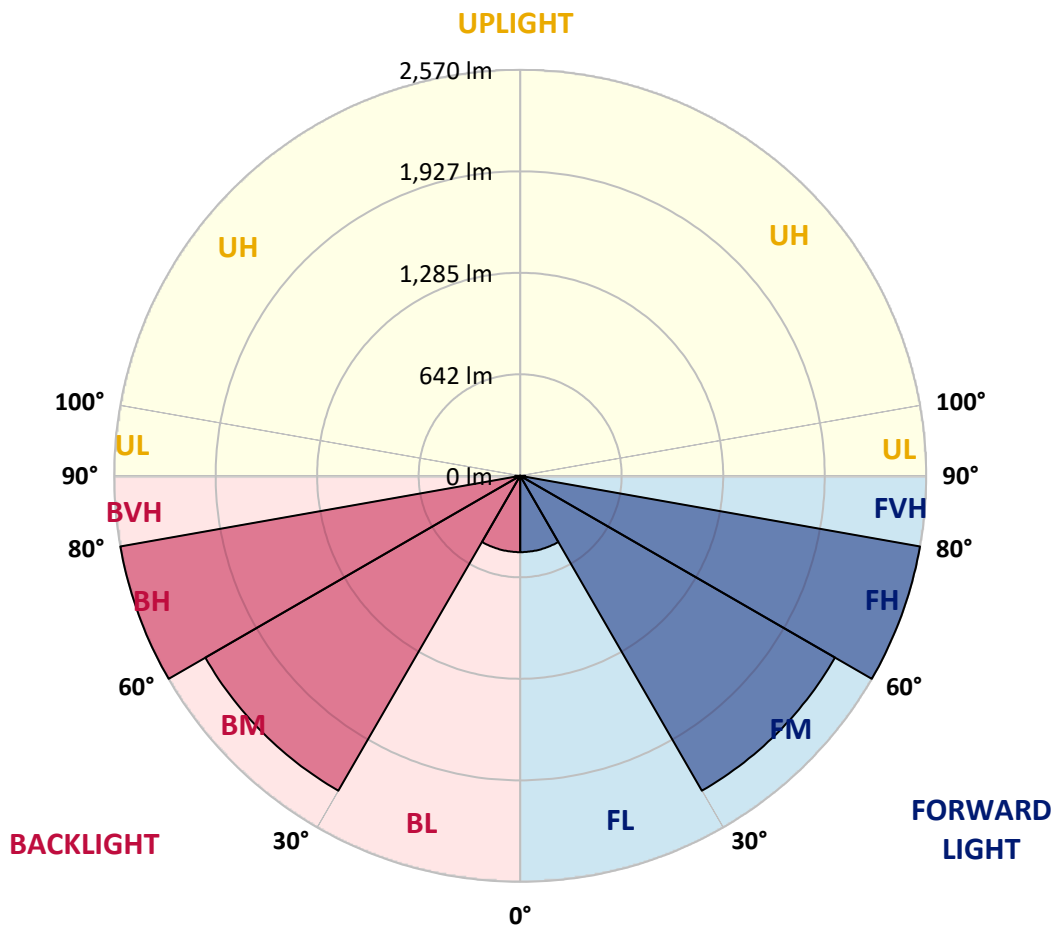
CATALOG NUMBER: GALN-SB3B-927-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.2	4.5			
FM (30°-60°)	2301.3	21.4			
FH (60°-80°)	2569.6	23.9			G2/5000
FVH (80°-90°)	30.9	0.3			G1/100
BL (0°-30°)	483.2	4.5	B1/500		
BM (30°-60°)	2301.3	21.4	B2/2500		
BH (60°-80°)	2569.6	23.9	B4/5000		G2/5000
BVH (80°-90°)	30.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P948295

CATALOG NUMBER: GALN-SB3B-927-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1031.7	1031.7	1031.7	1031.7	1031.7	1031.7	1031.7	1031.7	1031.7	1031.7
2.5°	1036.5	1037.6	1035.4	1034.4	1033.3	1031.7	1032.2	1034.9	1037.1	1036.5
5°	1045.2	1046.3	1044.6	1044.1	1041.9	1041.4	1041.4	1044.1	1045.7	1044.6
7.5°	1054.9	1056.5	1053.8	1053.3	1052.2	1051.1	1050.6	1053.3	1054.9	1054.9
10°	1064.1	1065.7	1063.6	1061.9	1060.9	1060.9	1059.8	1061.9	1064.6	1064.1
12.5°	1073.8	1074.9	1072.7	1071.7	1071.7	1073.3	1071.7	1072.7	1074.9	1073.8
15°	1085.7	1086.3	1085.7	1087.3	1090.1	1095.5	1090.6	1089.5	1090.6	1087.9
17.5°	1101.9	1103.0	1105.2	1109.0	1112.8	1122.5	1113.8	1111.1	1111.1	1105.7
20°	1122.0	1123.6	1126.8	1133.3	1138.2	1147.4	1138.7	1134.9	1133.3	1126.3
22.5°	1143.0	1145.7	1150.6	1159.3	1167.9	1176.6	1167.9	1161.4	1156.6	1147.4
25°	1167.4	1170.6	1178.2	1192.2	1204.1	1216.6	1206.3	1193.3	1183.6	1170.6
27.5°	1202.0	1205.8	1215.0	1232.3	1247.4	1258.2	1248.5	1231.7	1218.2	1202.5
30°	1250.6	1254.4	1265.2	1283.6	1293.9	1300.9	1294.4	1281.5	1265.2	1247.4
32.5°	1313.4	1318.2	1330.1	1347.4	1349.6	1350.7	1348.5	1342.0	1330.1	1308.5
35°	1392.8	1398.2	1411.8	1425.8	1423.7	1425.8	1422.6	1420.4	1411.8	1386.9
37.5°	1490.2	1496.7	1510.7	1521.5	1516.1	1513.4	1514.0	1514.5	1509.6	1482.1
40°	1603.2	1611.8	1622.1	1633.5	1624.3	1616.2	1621.6	1625.9	1621.6	1593.4
42.5°	1719.4	1731.9	1742.7	1758.9	1751.3	1741.1	1748.6	1753.5	1744.3	1714.0
45°	1848.7	1860.5	1874.6	1898.9	1893.5	1882.7	1893.5	1894.6	1878.9	1843.2
47.5°	1982.2	1994.6	2015.7	2048.2	2046.0	2034.1	2048.2	2040.6	2020.6	1977.9
50°	2108.7	2126.0	2158.5	2203.9	2208.2	2193.6	2212.5	2197.9	2164.4	2110.9
52.5°	2227.7	2246.1	2297.4	2359.1	2374.8	2355.8	2381.2	2355.8	2305.5	2236.9
55°	2352.6	2373.1	2434.2	2514.8	2546.2	2532.1	2555.9	2517.5	2446.1	2362.9
57.5°	2499.7	2512.1	2585.1	2680.8	2733.8	2737.0	2747.8	2683.0	2596.4	2501.8
60°	2659.2	2676.5	2755.9	2870.6	2954.4	2981.4	2970.1	2873.8	2773.2	2664.6
62.5°	2863.5	2882.5	2977.6	3115.0	3247.4	3314.5	3270.2	3130.6	3006.3	2876.0
65°	3032.8	3053.9	3225.8	3470.7	3711.9	3846.5	3735.2	3478.3	3254.5	3070.6
67.5°	2910.0	2936.0	3205.8	3655.7	4255.3	4657.0	4275.9	3710.8	3272.3	3023.1
70°	2543.5	2567.8	2882.5	3432.4	4408.3	5288.6	4500.2	3533.5	2892.7	2613.7
72.5°	1688.6	1767.0	2085.5	2745.1	3936.3	4893.9	3975.2	2689.4	1934.6	1684.8
75°	560.2	622.9	840.2	1423.1	2636.5	3660.0	2509.9	1259.3	665.6	479.1
77.5°	141.1	162.8	224.4	407.1	1051.7	2083.9	946.8	332.5	181.1	126.5
80°	68.7	75.7	108.1	135.7	263.3	662.4	247.1	127.6	85.4	66.0
82.5°	37.8	38.4	61.1	76.8	97.9	171.4	101.7	74.6	49.2	40.0
85°	23.3	22.7	32.4	41.1	41.1	61.1	48.7	41.1	28.1	24.9
87.5°	9.2	9.2	11.9	13.0	11.4	15.7	12.4	13.5	10.8	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1031.7
1037.1
1045.2
1054.9
1064.1
1073.3
1087.9
1105.7
1126.3
1146.8
1170.1
1202.0
1247.4
1309.0
1386.9
1482.1
1593.4
1716.2
1847.0
1975.2
2109.8
2230.4
2351.5
2488.8
2647.3
2853.3
3040.4
2985.7
2576.4
1630.2
453.1
113.0
60.6
40.0
26.0
10.8
0.0

OF REPORT)