

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: P940363

Luminaire Tested: **GALN-SB3B-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10174 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

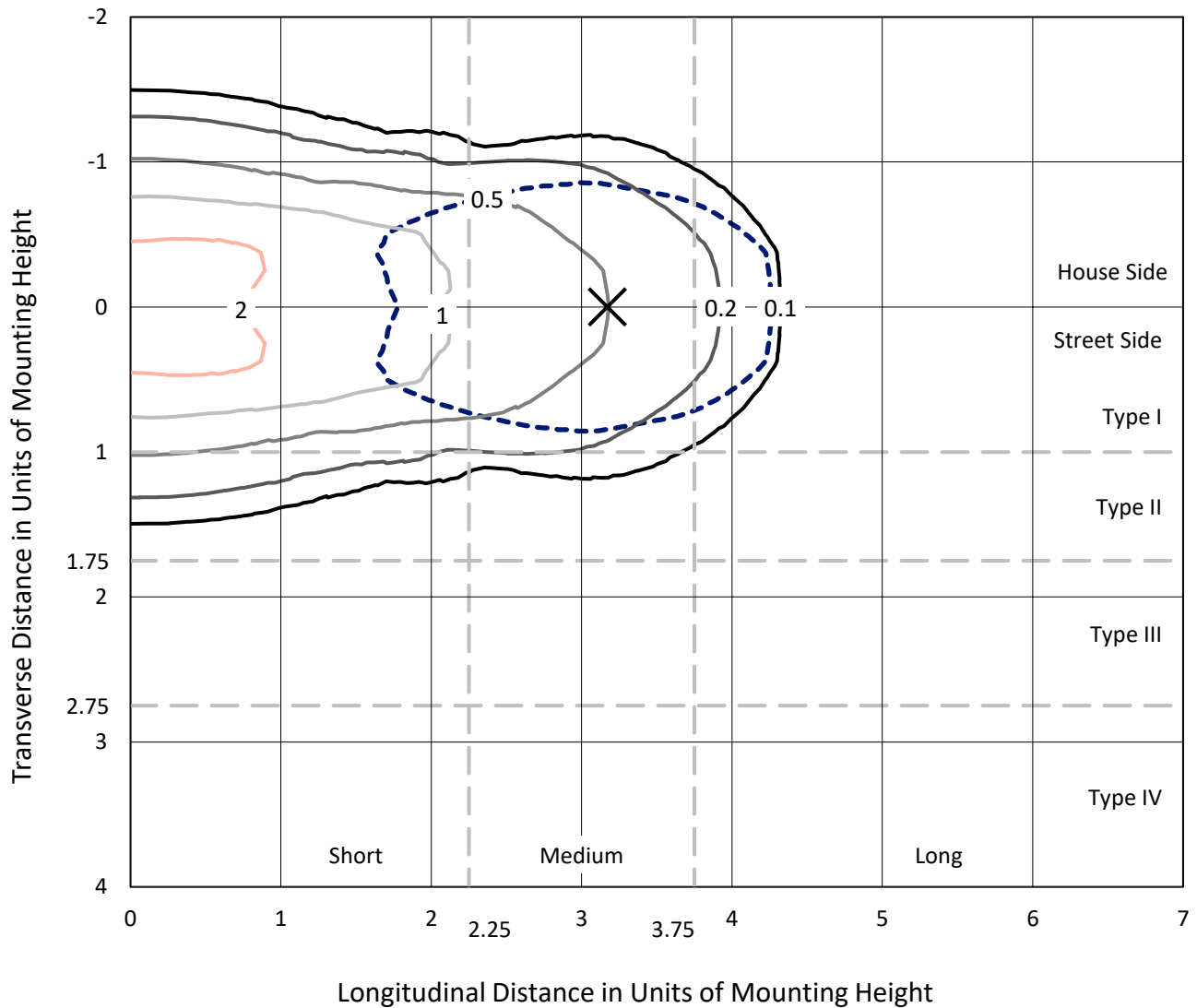
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940363
 CATALOG NUMBER: GALN-SB3B-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

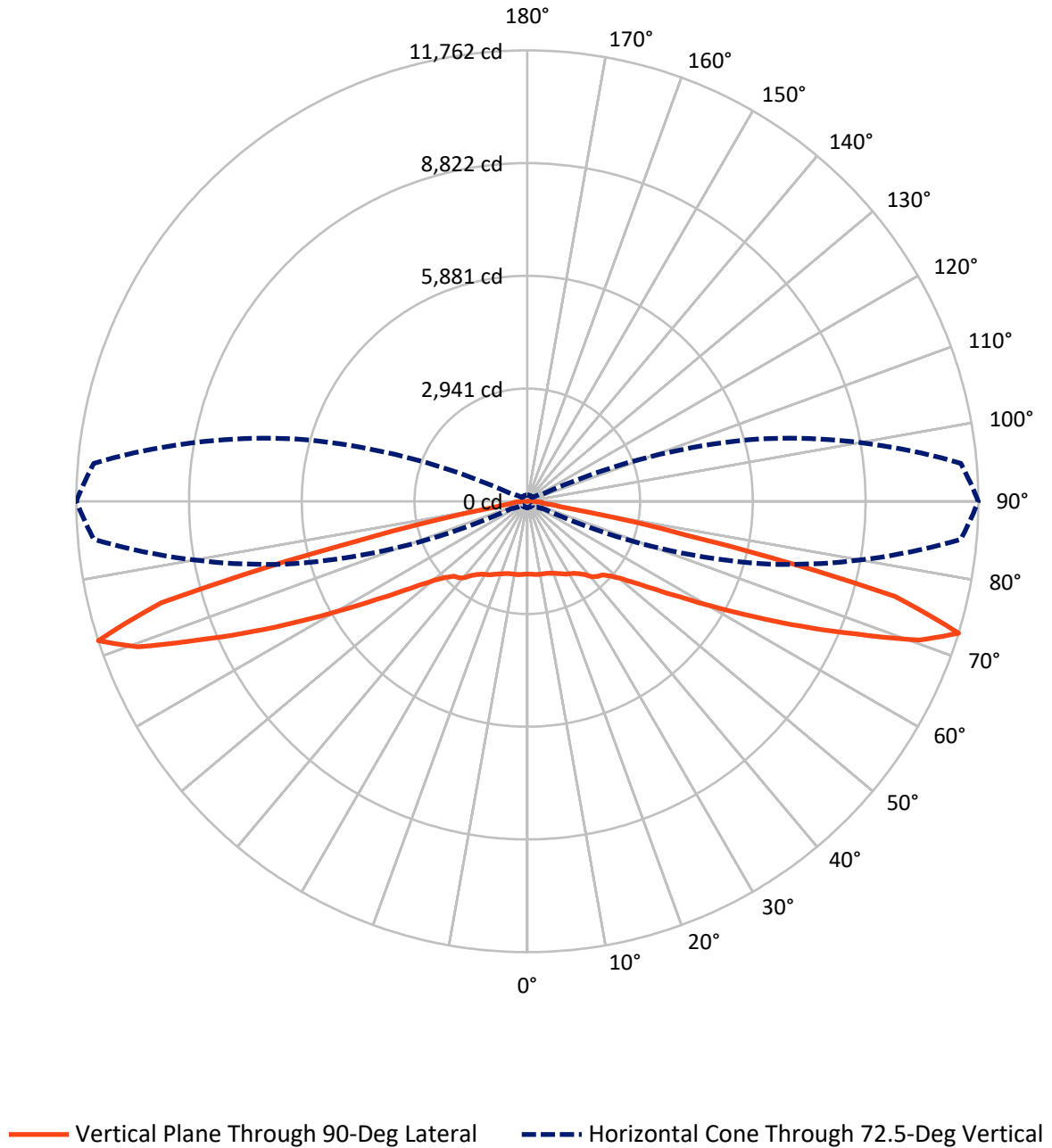
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type I - Short - N/A

REPORT NUMBER: P940363
CATALOG NUMBER: GALN-SB3B-927-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P940363
 CATALOG NUMBER: GALN-SB3B-927-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5087.0	0.0	5087.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5087.0	0.0	5087.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10174.0	0.0	10174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	1.8
10°-20°	563.6	5.5
20°-30°	939.8	9.2
30°-40°	1292.5	12.7
40°-50°	1578.5	15.5
50°-60°	1825.7	17.9
60°-70°	2176.9	21.4
70°-80°	1519.3	14.9
80°-90°	93.3	0.9
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°	10174.0	100.0
0°-180°	10174.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940363

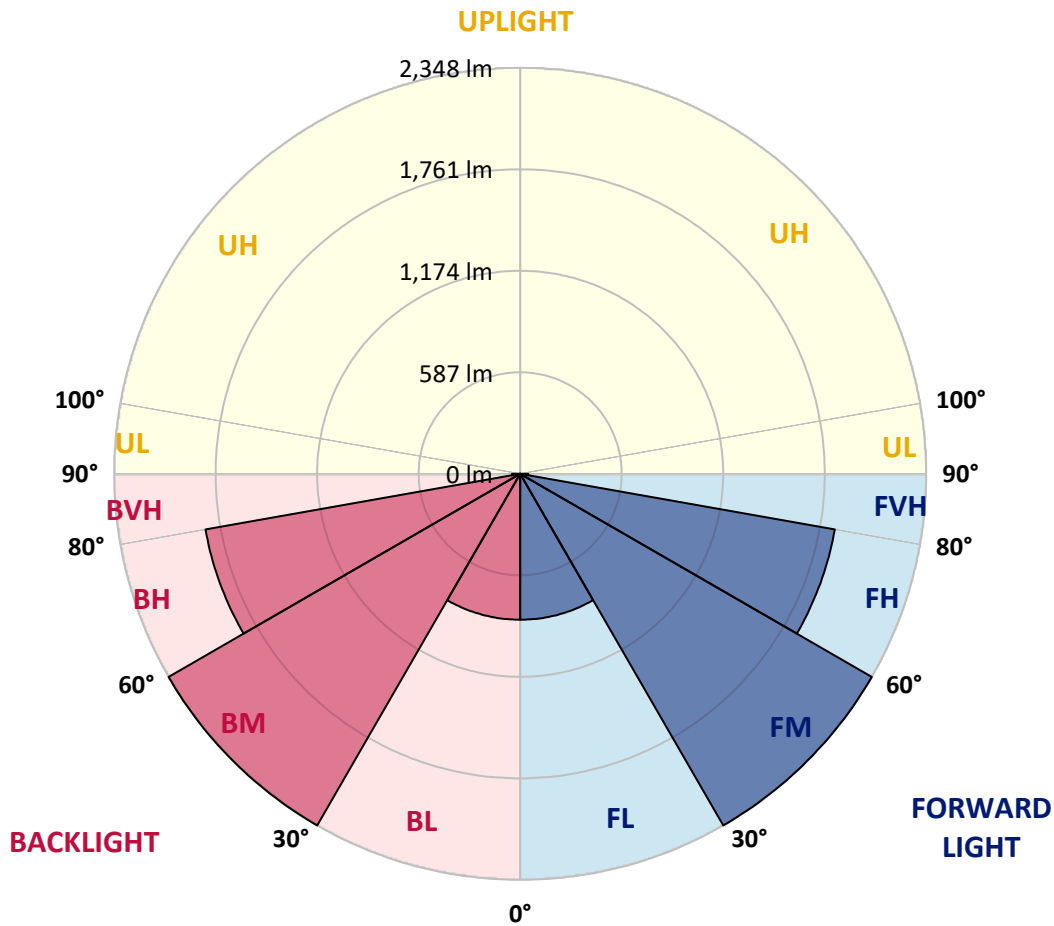
CATALOG NUMBER: GALN-SB3B-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.9	8.3			
FM (30°-60°)	2348.4	23.1			
FH (60°-80°)	1848.1	18.2			G2/5000
FVH (80°-90°)	46.7	0.5			G1/100
BL (0°-30°)	843.9	8.3	B2/1000		
BM (30°-60°)	2348.4	23.1	B2/2500		
BH (60°-80°)	1848.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	46.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



REPORT NUMBER: P940363
 CATALOG NUMBER: GALN-SB3B-927-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1901.1	1901.1	1901.1	1901.1	1901.1	1901.1	1901.1	1901.1	1901.1	1901.1
2.5°	1902.7	1904.9	1904.9	1903.3	1907.1	1903.8	1903.8	1902.2	1903.8	1902.2
5°	1912.5	1915.2	1916.3	1915.7	1920.6	1917.9	1917.9	1915.7	1916.3	1914.6
7.5°	1930.9	1934.6	1936.8	1939.5	1946.5	1943.3	1941.1	1934.6	1931.9	1927.6
10°	1936.8	1941.1	1948.2	1962.2	1978.4	1979.0	1972.5	1956.3	1943.8	1934.1
12.5°	1918.4	1924.4	1939.0	1967.6	2003.9	2018.5	2008.2	1981.1	1956.8	1939.5
15°	1895.2	1901.7	1923.8	1967.1	2020.6	2054.7	2053.6	2017.9	1979.0	1951.9
17.5°	1858.9	1865.4	1897.3	1957.9	2033.6	2089.8	2105.0	2068.2	2013.6	1977.4
20°	1793.5	1799.5	1843.8	1928.7	2037.9	2127.1	2166.6	2134.2	2066.0	2016.8
22.5°	1708.6	1717.8	1769.7	1878.4	2027.6	2166.1	2236.9	2214.7	2127.1	2059.0
25°	1617.8	1627.5	1688.1	1816.8	2001.1	2194.2	2320.2	2306.1	2196.3	2111.5
27.5°	1539.4	1549.7	1615.6	1755.7	1960.1	2205.0	2402.4	2409.4	2280.2	2169.3
30°	1477.7	1487.5	1557.8	1706.5	1907.1	2194.2	2474.3	2522.9	2365.6	2219.6
32.5°	1410.2	1422.6	1496.7	1646.4	1844.3	2168.2	2537.0	2645.7	2464.5	2273.7
35°	1324.7	1336.1	1413.9	1564.3	1762.2	2126.6	2589.4	2781.9	2606.2	2355.9
37.5°	1220.9	1231.7	1309.0	1461.5	1680.5	2068.2	2629.4	2935.5	2774.9	2474.3
40°	1116.6	1126.8	1199.3	1346.9	1582.6	1993.6	2643.5	3085.8	2968.5	2637.0
42.5°	1020.9	1030.0	1096.6	1233.9	1472.9	1898.4	2625.1	3216.7	3142.0	2750.6
45°	932.7	940.8	999.8	1127.9	1358.8	1782.7	2570.0	3357.2	3348.6	2831.7
47.5°	832.1	840.3	901.4	1025.2	1244.7	1647.0	2476.4	3495.7	3635.7	3015.5
50°	709.4	716.4	779.2	906.8	1126.3	1502.6	2346.7	3604.3	3998.0	3294.0
52.5°	564.0	571.5	632.6	760.2	985.7	1347.4	2175.8	3675.2	4416.5	3700.6
55°	419.6	425.0	478.0	592.6	811.6	1170.6	1961.7	3695.2	4891.2	4256.4
57.5°	304.4	307.7	341.7	427.2	615.3	949.5	1701.6	3643.3	5456.3	4969.1
60°	246.6	247.6	257.9	295.8	427.7	699.7	1387.4	3464.8	6069.4	5887.7
62.5°	223.9	223.9	226.6	236.8	289.3	461.8	1007.3	3095.0	6726.9	7048.6
65°	208.2	208.2	209.3	214.1	228.2	294.1	635.9	2492.7	7281.1	8408.5
67.5°	194.1	194.7	194.1	195.7	203.8	217.4	368.8	1721.6	7579.6	9817.6
70°	179.5	180.6	177.9	177.9	184.4	184.9	230.9	944.1	7332.0	10998.5
72.5°	162.2	163.8	159.5	158.4	163.3	161.1	173.6	453.1	6294.9	11351.0
75°	147.1	149.2	139.5	136.8	136.8	135.2	141.1	232.5	4085.6	9259.6
77.5°	133.6	137.9	122.2	113.5	111.4	106.5	115.2	142.2	1787.0	4347.3
80°	110.3	116.3	100.6	90.3	86.5	81.1	90.8	99.5	531.5	1009.5
82.5°	82.2	84.9	71.4	64.3	61.1	57.3	68.1	69.2	173.0	357.4
85°	52.4	53.5	43.8	37.8	36.2	34.6	43.3	37.8	66.0	262.8
87.5°	18.4	21.1	16.8	15.1	16.2	13.5	20.0	11.4	18.4	185.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1901.1
1902.2
1914.6
1927.6
1932.5
1936.8
1947.6
1971.4
2007.6
2046.6
2094.2
2150.9
2193.1
2240.1
2318.5
2424.5
2584.0
2682.4
2739.8
2909.5
3161.0
3536.8
4051.5
4711.2
5562.8
6613.4
7858.1
9223.3
10842.2
11762.0
9904.1
4257.0
966.8
403.9
381.7
229.8
0.0

OF REPORT)