

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: P947837

Luminaire Tested: **GALN-SB3A-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12052 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

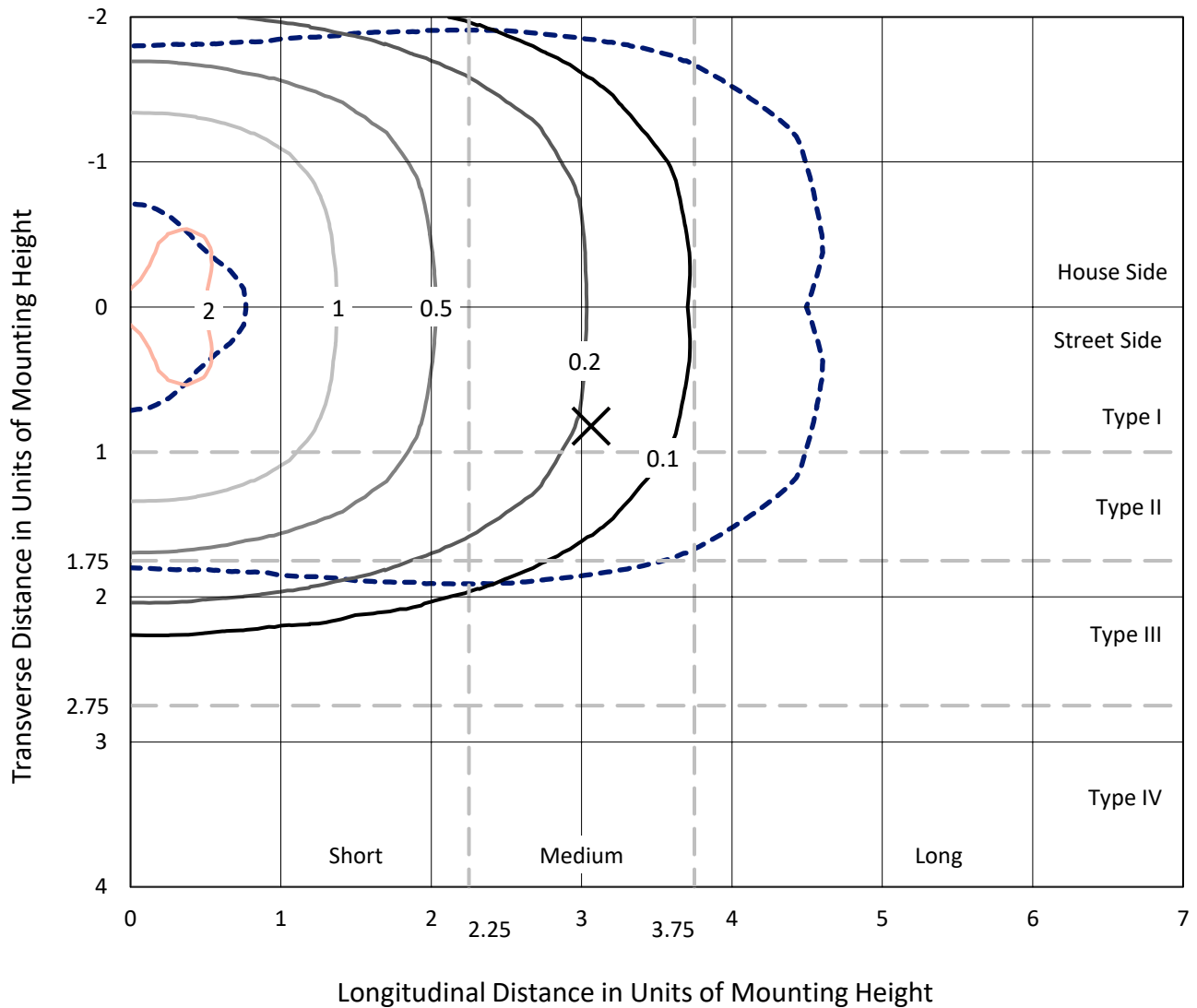
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947837
 CATALOG NUMBER: GALN-SB3A-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

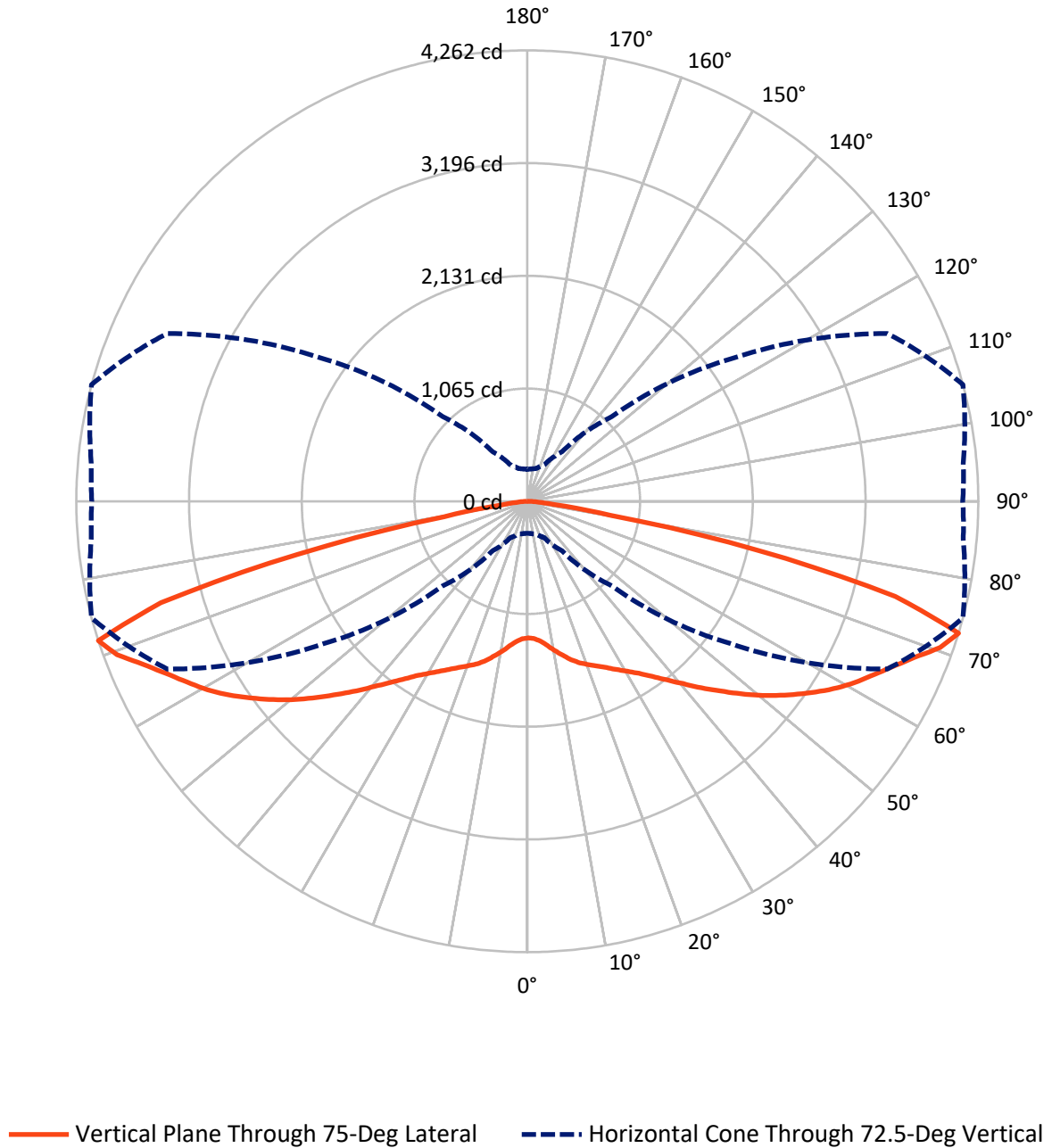
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P947837
CATALOG NUMBER: GALN-SB3A-827-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P947837

CATALOG NUMBER: GALN-SB3A-827-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6026.0	0.0	6026.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6026.0	0.0	6026.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12052.0	0.0	12052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	1.0
10°-20°	417.1	3.5
20°-30°	806.0	6.7
30°-40°	1360.9	11.3
40°-50°	2158.3	17.9
50°-60°	2889.7	24.0
60°-70°	2750.0	22.8
70°-80°	1435.0	11.9
80°-90°	108.6	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°	12052.0	100.0
0°-180°	12052.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947837

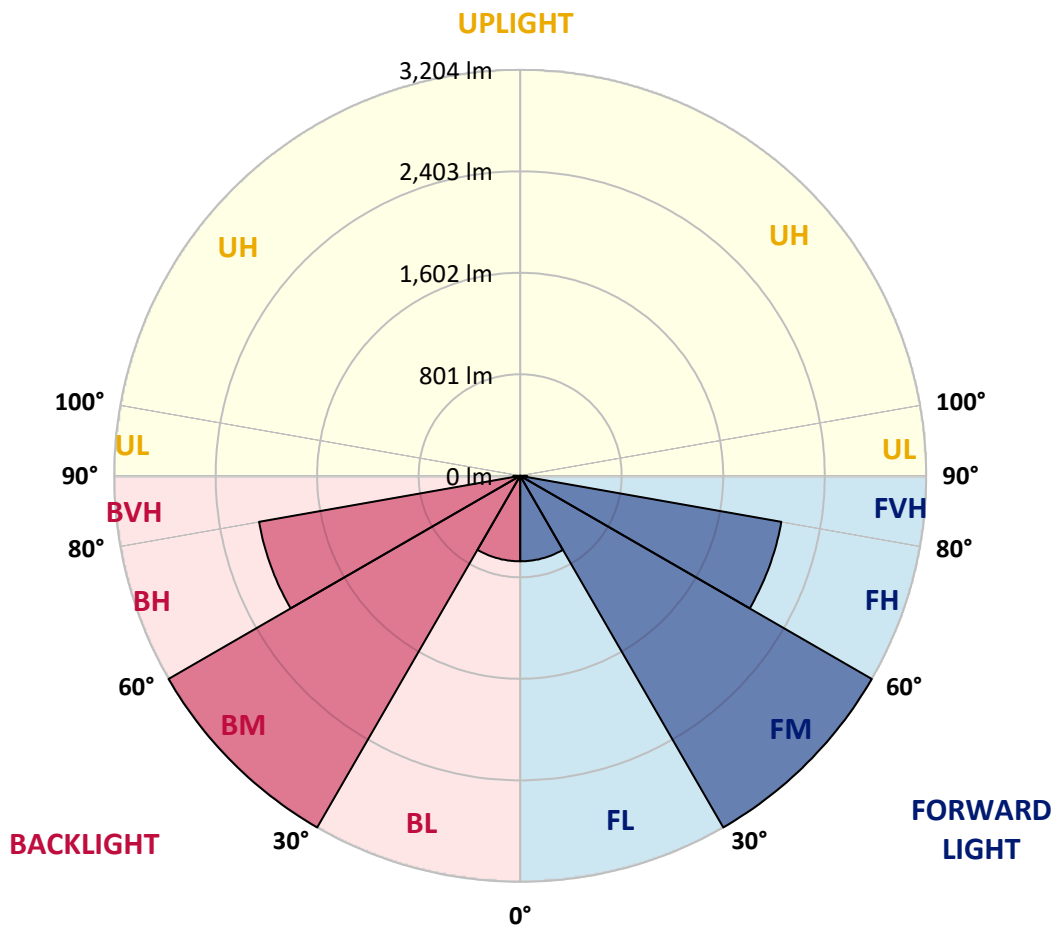
CATALOG NUMBER: GALN-SB3A-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.8	5.6			
FM (30°-60°)	3204.4	26.6			
FH (60°-80°)	2092.5	17.4			G2/5000
FVH (80°-90°)	54.3	0.5			G1/100
BL (0°-30°)	674.8	5.6	B2/1000		
BM (30°-60°)	3204.4	26.6	B3/5000		
BH (60°-80°)	2092.5	17.4	B3/2500		G3/2500
BVH (80°-90°)	54.3	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 III Medium



REPORT NUMBER: P947837

CATALOG NUMBER: GALN-SB3A-827-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1291.0	1291.0	1291.0	1291.0	1291.0	1291.0	1291.0	1291.0	1291.0	1291.0
2.5°	1291.0	1289.8	1291.0	1292.2	1291.6	1291.6	1294.7	1296.5	1300.2	1299.6
5°	1282.4	1281.8	1286.7	1292.2	1296.5	1303.9	1313.1	1319.9	1328.5	1330.4
7.5°	1278.1	1276.2	1284.8	1294.7	1308.2	1326.7	1344.5	1363.0	1377.7	1382.7
10°	1281.1	1281.8	1293.4	1311.9	1333.4	1359.3	1384.5	1415.9	1436.8	1441.7
12.5°	1295.3	1294.1	1313.8	1343.3	1372.8	1405.4	1435.0	1469.4	1492.2	1503.9
15°	1321.1	1318.7	1346.4	1390.1	1433.1	1471.3	1495.3	1527.9	1554.4	1569.1
17.5°	1351.9	1353.1	1389.4	1446.1	1502.7	1545.7	1568.5	1585.1	1605.4	1618.3
20°	1406.1	1408.5	1449.1	1516.2	1580.8	1630.0	1648.5	1642.3	1647.9	1657.7
22.5°	1478.7	1479.9	1525.4	1598.0	1665.7	1719.9	1732.2	1707.0	1691.6	1698.3
25°	1563.0	1571.0	1616.5	1691.0	1760.5	1812.2	1817.7	1779.6	1741.4	1743.3
27.5°	1665.7	1673.1	1719.3	1793.1	1863.9	1908.8	1908.2	1857.1	1801.1	1786.9
30°	1777.1	1785.1	1832.5	1908.8	1974.6	2014.0	2005.4	1944.5	1864.5	1838.0
32.5°	1909.4	1914.3	1962.3	2038.6	2099.5	2130.9	2113.1	2038.0	1938.3	1908.2
35°	2069.4	2076.8	2112.5	2184.5	2238.0	2263.8	2233.7	2145.1	2033.1	1999.2
37.5°	2252.1	2247.2	2287.8	2351.8	2396.1	2412.1	2370.9	2265.7	2141.4	2101.4
40°	2442.9	2440.4	2484.7	2546.3	2570.3	2580.1	2519.2	2404.1	2266.3	2223.2
42.5°	2615.8	2614.0	2673.7	2742.0	2770.9	2759.8	2682.9	2551.2	2410.9	2361.7
45°	2754.3	2751.8	2825.0	2921.0	2977.6	2959.2	2855.8	2713.7	2557.4	2506.3
47.5°	2860.7	2861.9	2940.7	3059.5	3158.5	3165.3	3032.4	2879.2	2718.6	2660.7
50°	2937.6	2941.3	3025.6	3157.3	3292.7	3352.4	3212.7	3049.0	2885.3	2820.1
52.5°	2956.7	2963.5	3065.0	3219.5	3378.8	3492.7	3396.1	3212.1	3043.5	2981.3
55°	2855.2	2868.7	2997.3	3214.5	3431.8	3585.0	3557.3	3377.6	3202.8	3138.9
57.5°	2622.0	2641.0	2791.2	3074.9	3420.1	3648.4	3682.2	3536.4	3362.2	3300.7
60°	2295.2	2318.0	2462.0	2771.5	3255.2	3671.7	3770.2	3690.8	3508.7	3449.0
62.5°	1802.3	1831.9	2004.2	2367.2	2906.9	3562.8	3845.3	3830.5	3640.4	3565.9
65°	1156.2	1187.6	1369.1	1798.0	2442.3	3229.3	3868.6	3966.5	3779.4	3675.4
67.5°	697.2	711.3	801.2	1089.8	1785.1	2726.6	3670.5	4117.2	3941.9	3812.7
70°	446.1	454.1	507.7	640.0	1009.2	1989.4	3179.5	4145.6	4138.8	3953.6
72.5°	302.7	305.2	319.4	379.0	571.0	1130.4	2345.1	3753.0	4261.9	4135.1
75°	221.5	235.1	257.8	268.3	324.3	564.9	1343.9	2636.7	3591.7	3647.1
77.5°	164.9	165.5	196.9	209.2	231.4	300.9	568.6	1471.9	2230.0	2341.4
80°	139.7	132.3	131.7	168.6	174.1	187.7	254.1	508.3	798.7	484.3
82.5°	116.3	108.3	97.8	131.7	118.8	115.1	110.1	206.8	254.1	124.9
85°	81.2	77.5	73.8	86.1	67.7	57.8	52.9	96.6	107.1	52.9
87.5°	35.1	36.3	36.9	38.2	28.3	20.3	20.3	27.1	27.1	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1291.0
1299.0
1330.4
1383.9
1446.7
1508.8
1574.7
1624.5
1665.1
1703.3
1746.3
1791.3
1841.1
1915.6
2004.2
2108.8
2237.4
2374.0
2518.0
2678.0
2839.8
2997.3
3156.7
3314.8
3461.9
3574.5
3688.4
3822.5
3952.3
4115.4
3513.0
2088.5
366.1
106.5
46.8
15.4
0.0

OF REPORT)