

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: P940310

Luminaire Tested: **GALN-SB3B-827-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14861 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

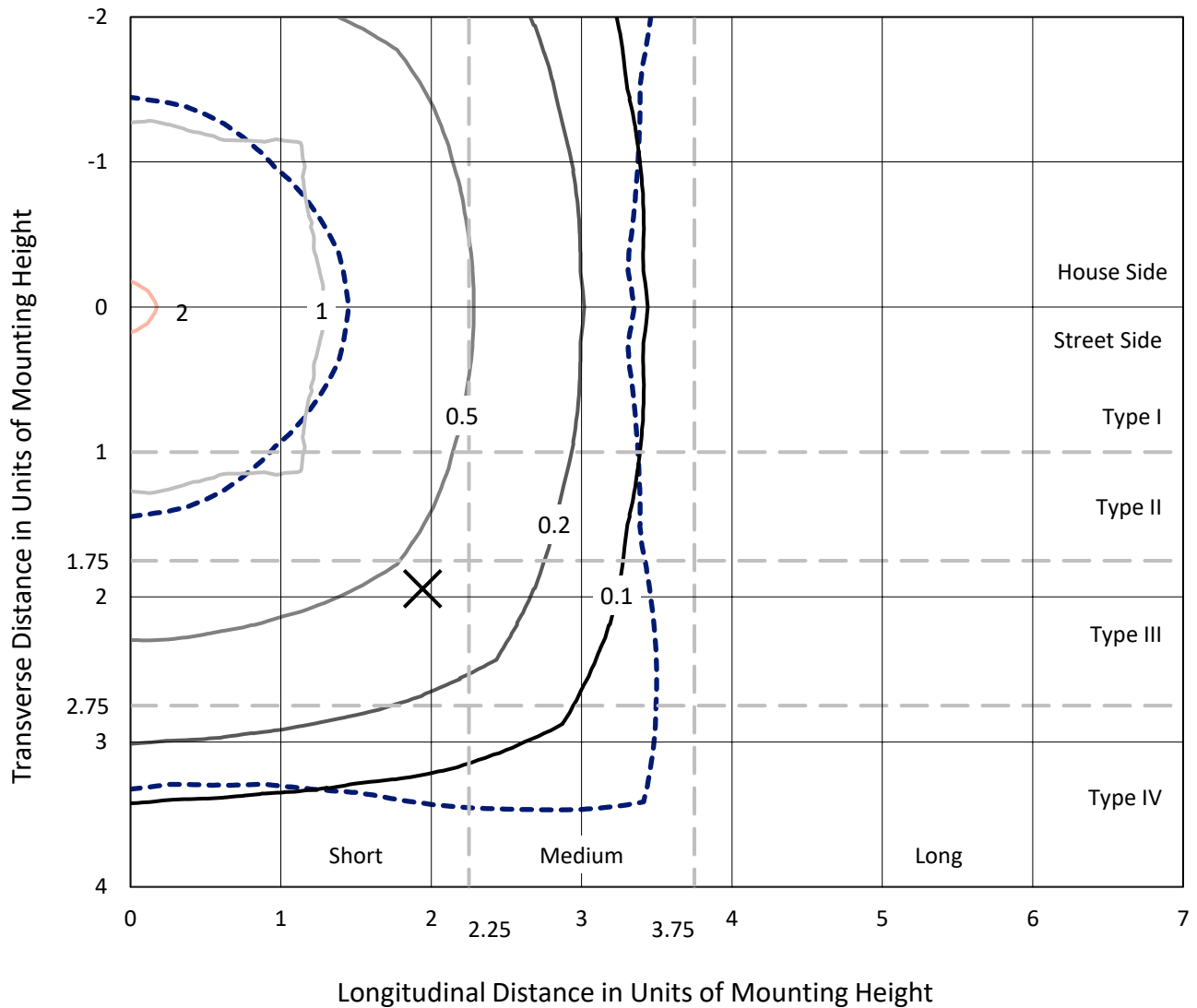
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940310
 CATALOG NUMBER: GALN-SB3B-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

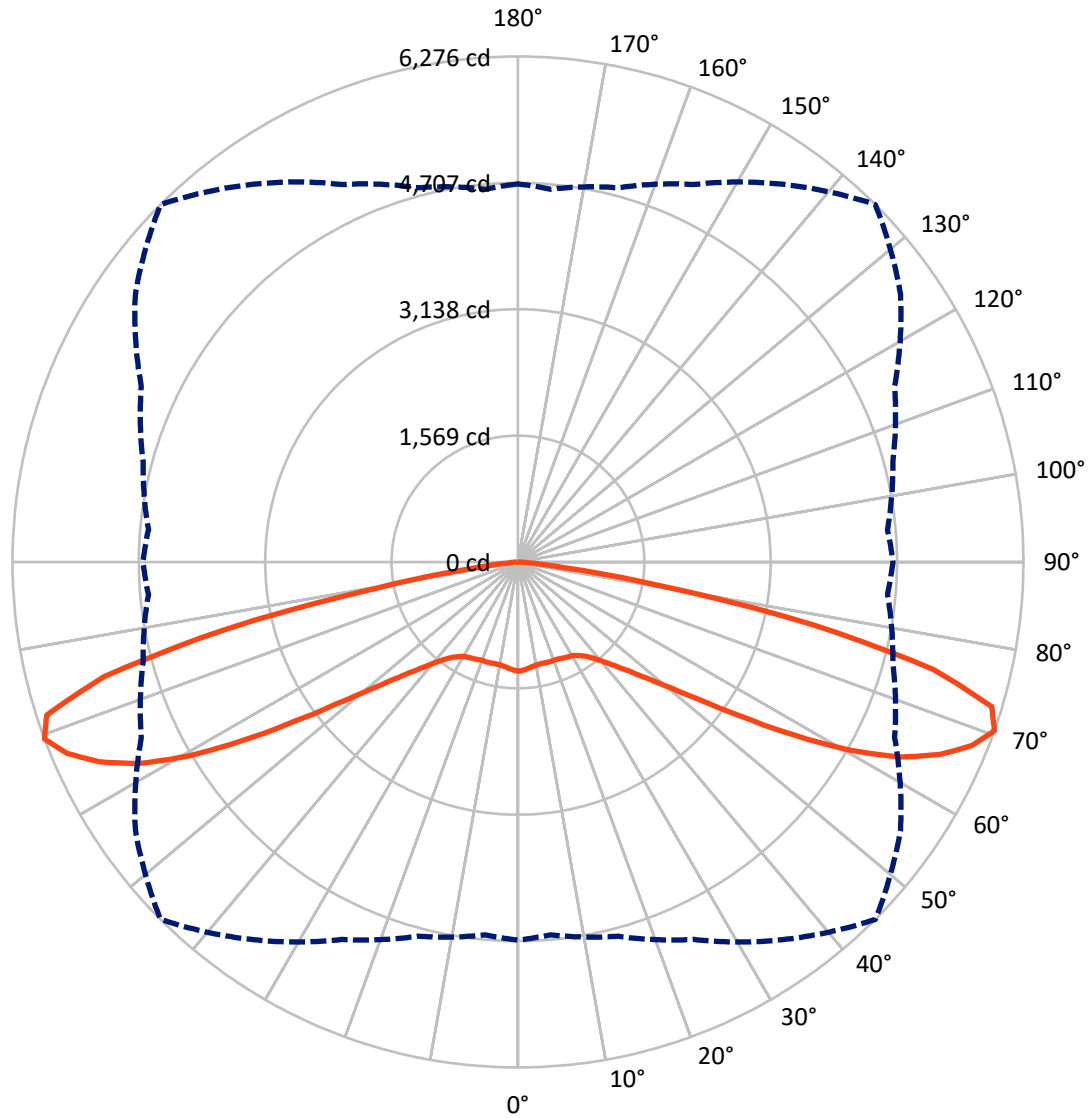
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P940310
CATALOG NUMBER: GALN-SB3B-827-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P940310

CATALOG NUMBER: GALN-SB3B-827-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7430.5	0.0	7430.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7430.5	0.0	7430.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14861.0	0.0	14861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	0.8
10°-20°	370.3	2.5
20°-30°	616.2	4.1
30°-40°	931.9	6.3
40°-50°	1548.5	10.4
50°-60°	2922.0	19.7
60°-70°	4934.0	33.2
70°-80°	3242.1	21.8
80°-90°	169.9	1.1
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°	14861.0	100.0
0°-180°	14861.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940310

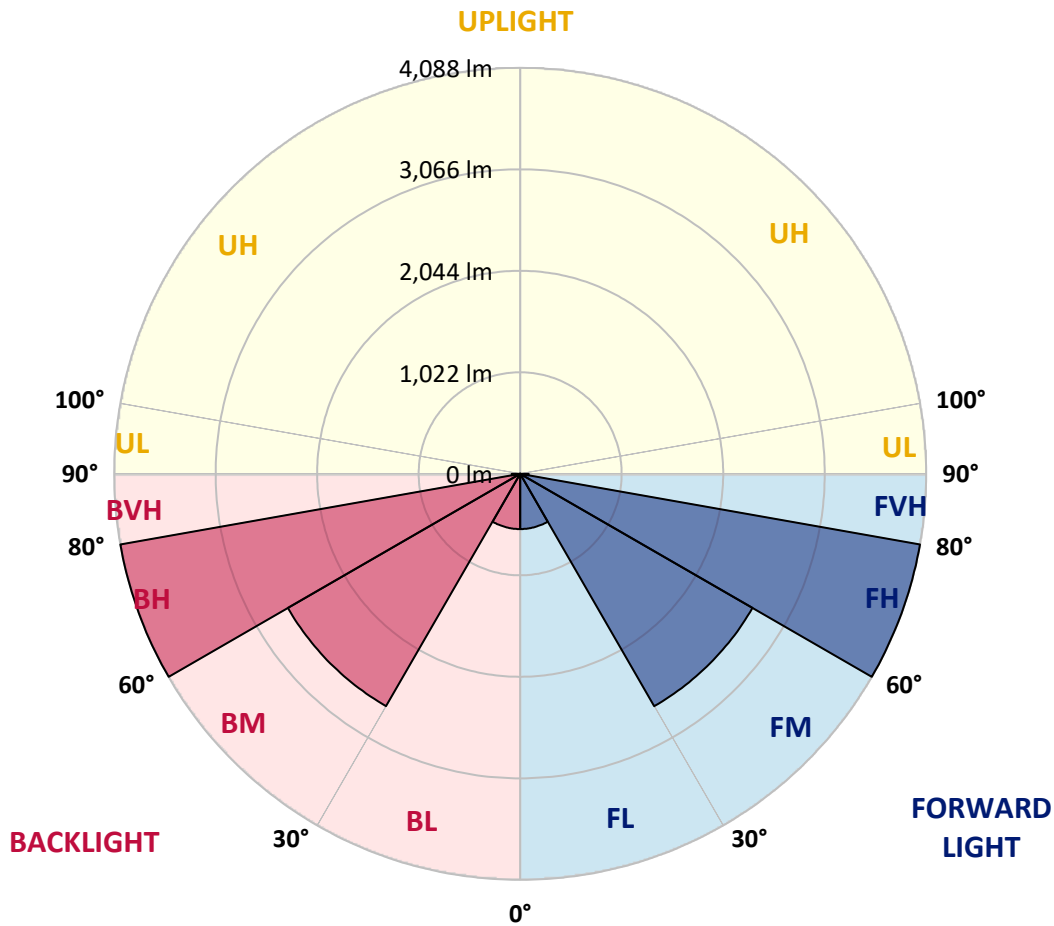
CATALOG NUMBER: GALN-SB3B-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.3	3.7			
FM	(30°-60°)	2701.2	18.2			
FH	(60°-80°)	4088.1	27.5			G2/5000
FVH	(80°-90°)	84.9	0.6			G1/100
BL	(0°-30°)	556.3	3.7	B2/1000		
BM	(30°-60°)	2701.2	18.2	B3/5000		
BH	(60°-80°)	4088.1	27.5	B4/5000		G2/5000
BVH	(80°-90°)	84.9	0.6			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: P940310

CATALOG NUMBER: GALN-SB3B-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6
2.5°	1347.1	1351.0	1349.4	1346.4	1346.4	1344.0	1346.4	1347.9	1350.2	1351.8
5°	1329.4	1332.4	1331.7	1329.4	1330.1	1327.8	1329.4	1331.7	1333.2	1334.0
7.5°	1313.9	1317.0	1315.5	1311.6	1311.6	1309.3	1310.0	1312.4	1314.7	1315.5
10°	1310.0	1313.1	1308.5	1302.3	1300.0	1296.9	1297.7	1300.0	1304.6	1307.0
12.5°	1311.6	1313.9	1309.3	1300.0	1297.7	1294.6	1294.6	1296.9	1303.1	1306.2
15°	1316.2	1318.5	1311.6	1301.6	1299.2	1296.9	1296.1	1299.2	1306.2	1311.6
17.5°	1324.7	1327.0	1316.2	1302.3	1299.2	1300.0	1299.2	1301.6	1312.4	1322.4
20°	1332.4	1334.0	1319.3	1302.3	1299.2	1300.0	1299.2	1303.9	1317.8	1331.7
22.5°	1334.8	1336.3	1322.4	1307.7	1305.4	1306.2	1305.4	1310.0	1323.2	1337.1
25°	1335.5	1337.9	1327.0	1315.5	1319.3	1320.9	1319.3	1320.1	1330.1	1342.5
27.5°	1347.1	1350.2	1340.2	1330.1	1332.4	1331.7	1334.0	1336.3	1344.0	1356.4
30°	1371.1	1373.4	1364.9	1354.8	1353.3	1347.9	1354.8	1362.6	1371.1	1381.9
32.5°	1410.5	1415.1	1404.3	1393.5	1386.5	1383.4	1388.8	1402.0	1413.6	1425.1
35°	1476.1	1479.2	1469.2	1449.1	1436.7	1436.7	1441.4	1458.4	1476.9	1491.6
37.5°	1568.8	1572.7	1554.9	1531.0	1512.4	1512.4	1518.6	1536.4	1564.2	1585.0
40°	1681.6	1687.0	1664.6	1639.9	1622.1	1619.0	1626.7	1646.8	1673.1	1699.4
42.5°	1817.5	1823.7	1794.4	1772.7	1758.8	1758.8	1762.7	1781.2	1805.2	1837.6
45°	1991.3	2002.2	1962.0	1940.4	1927.2	1930.3	1932.6	1948.9	1970.5	2007.6
47.5°	2198.3	2209.2	2166.7	2144.3	2142.0	2156.6	2147.4	2159.0	2170.5	2213.0
50°	2433.2	2451.7	2422.4	2420.8	2425.4	2452.5	2430.9	2437.0	2423.9	2450.9
52.5°	2720.5	2747.5	2742.1	2751.4	2803.2	2858.8	2809.3	2787.7	2738.3	2746.8
55°	3068.9	3109.8	3117.5	3173.2	3290.6	3404.1	3299.1	3211.8	3106.7	3087.4
57.5°	3465.1	3497.6	3534.7	3648.2	3867.6	4069.2	3867.6	3674.5	3509.2	3469.8
60°	3891.5	3931.7	3967.2	4134.8	4460.8	4744.3	4454.6	4148.0	3929.4	3876.1
62.5°	4349.6	4401.3	4426.0	4612.2	4992.2	5330.6	4997.7	4626.1	4383.6	4326.4
65°	4789.1	4831.6	4859.4	5057.9	5420.9	5760.0	5445.7	5079.5	4830.0	4755.1
67.5°	4993.8	5017.0	5084.9	5309.7	5692.8	6079.8	5757.7	5333.7	5054.8	4923.5
70°	4694.1	4647.0	4810.7	5170.7	5725.3	6276.0	5799.4	5159.9	4818.4	4605.3
72.5°	3627.4	3546.2	3830.5	4446.1	5354.5	6150.9	5391.6	4480.9	4007.4	3574.8
75°	1973.6	1881.7	2274.0	3052.7	4270.0	5331.3	4368.1	3139.9	2532.0	1958.9
77.5°	556.9	522.2	838.9	1476.9	2568.3	3743.2	2667.2	1509.3	994.9	590.1
80°	170.7	165.3	224.0	444.9	1090.7	1792.8	1048.2	450.3	285.0	180.0
82.5°	101.2	92.7	111.2	162.2	278.1	563.1	270.4	169.2	135.9	91.1
85°	57.9	54.1	65.7	78.8	93.5	119.7	78.0	80.3	72.6	48.7
87.5°	23.9	21.6	25.5	24.7	21.6	27.8	20.9	24.7	29.4	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1355.6
1351.0
1334.0
1315.5
1307.0
1307.0
1312.4
1322.4
1332.4
1337.1
1341.7
1353.3
1379.6
1420.5
1486.2
1577.3
1690.9
1835.3
2006.0
2200.7
2434.7
2718.2
3057.3
3442.0
3829.7
4280.1
4718.0
4925.0
4656.2
3682.2
2086.3
655.8
190.0
98.9
51.0
17.8
0.0

OF REPORT)