

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: P945338

Luminaire Tested: **GALN-SB1B-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945338
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-SB1B-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5044 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

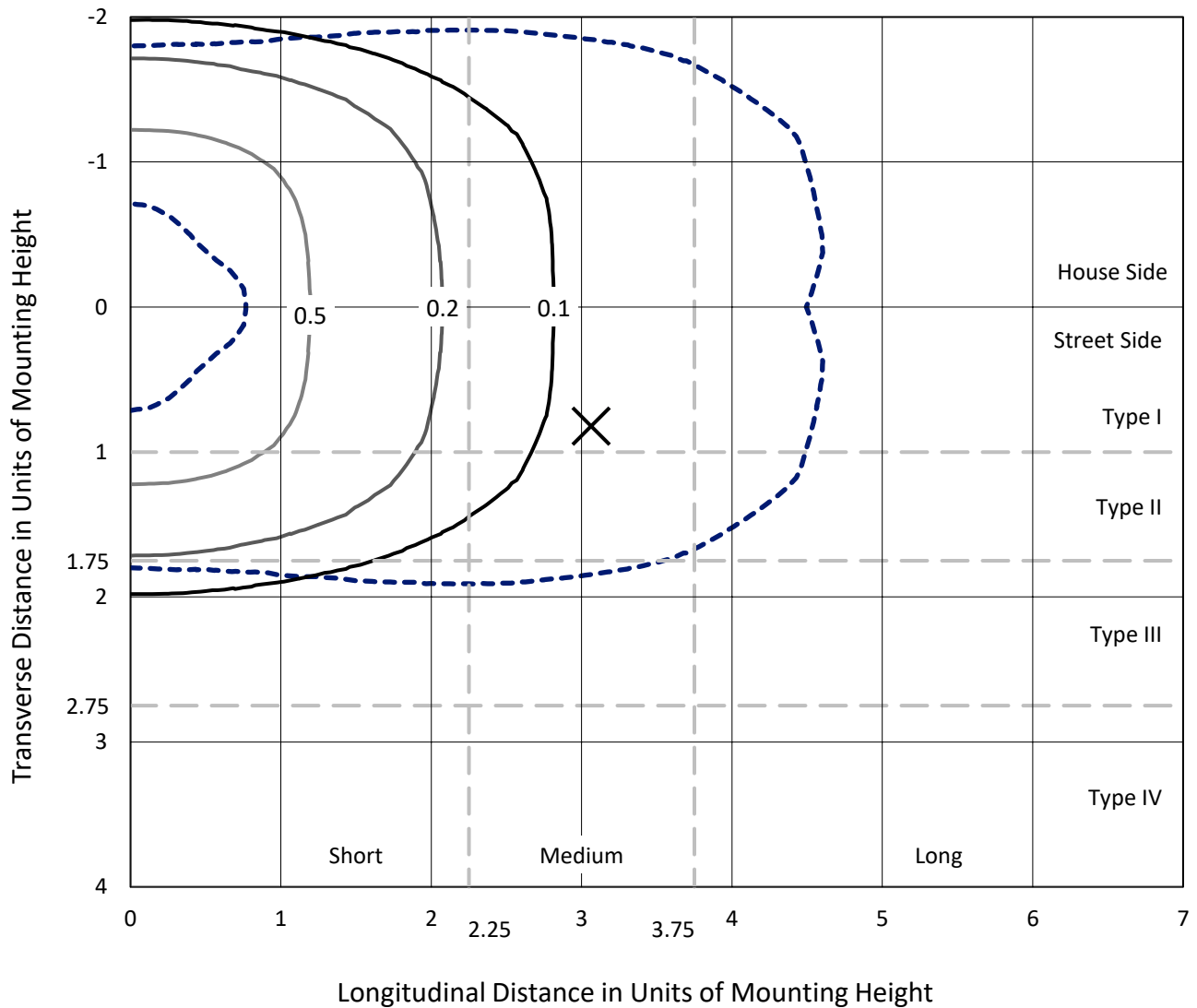
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945338
 CATALOG NUMBER: GALN-SB1B-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

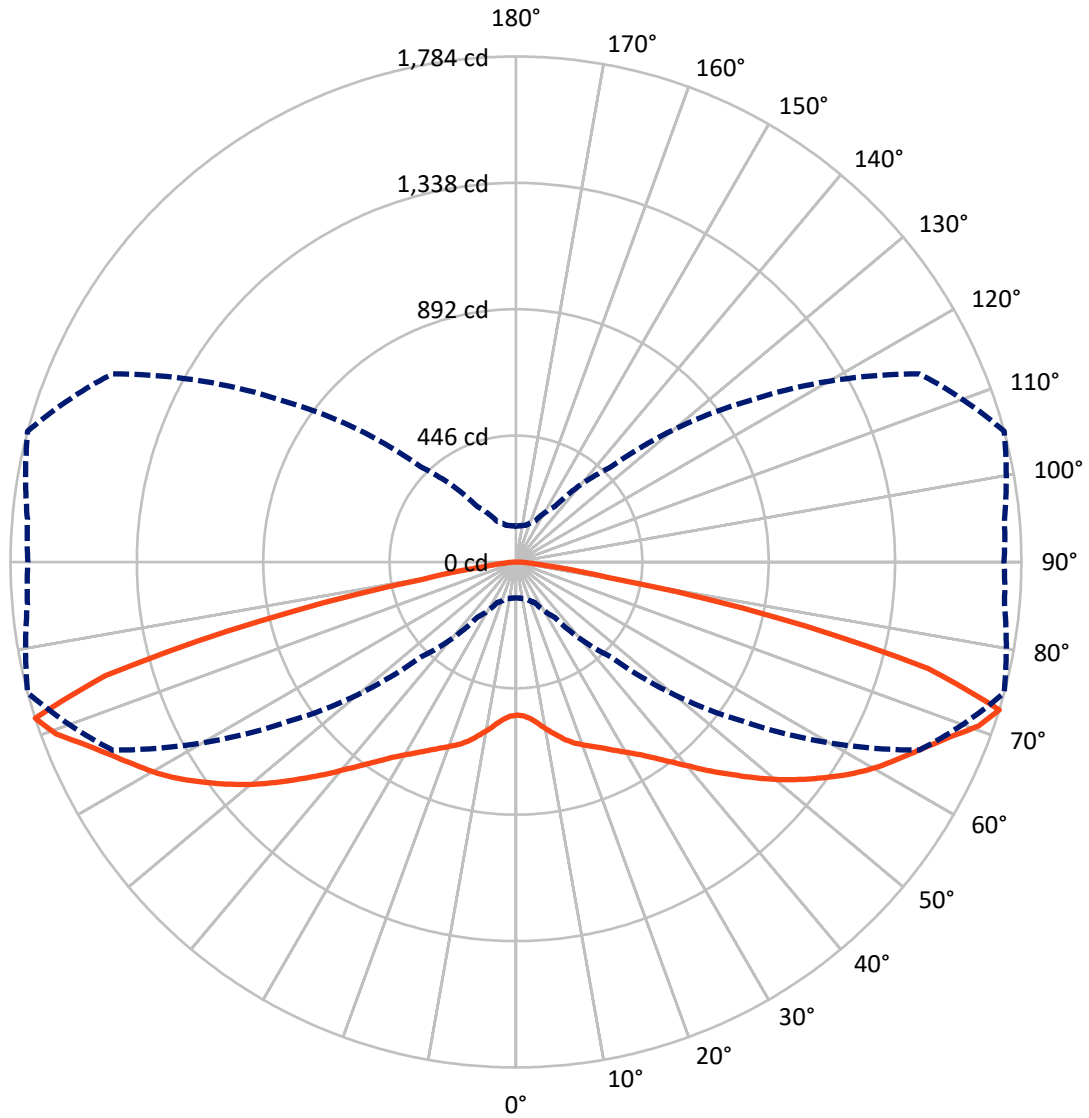
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P945338
CATALOG NUMBER: GALN-SB1B-827-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P945338
 CATALOG NUMBER: GALN-SB1B-827-U-RW

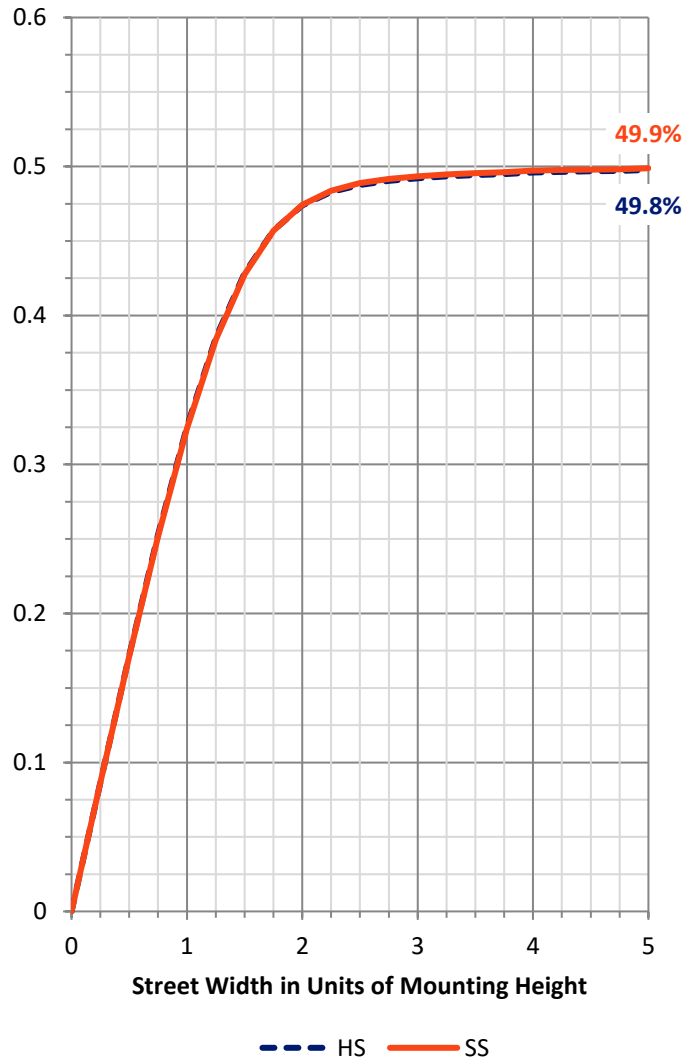
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2522.0	0.0	2522.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2522.0	0.0	2522.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5044.0	0.0	5044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.0
10°-20°	174.6	3.5
20°-30°	337.3	6.7
30°-40°	569.6	11.3
40°-50°	903.3	17.9
50°-60°	1209.4	24.0
60°-70°	1150.9	22.8
70°-80°	600.6	11.9
80°-90°	45.5	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°	5044.0	100.0
0°-180°	5044.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945338

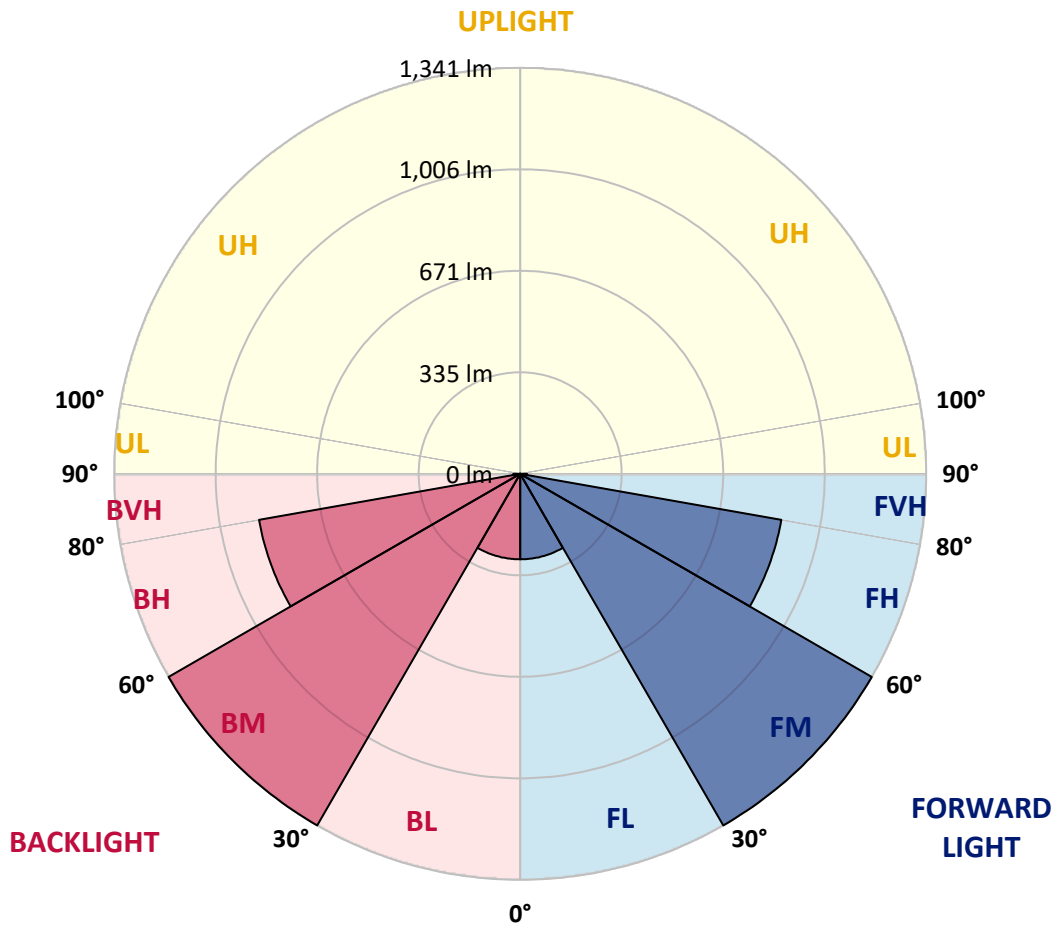
CATALOG NUMBER: GALN-SB1B-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.4	5.6			
FM (30°-60°)	1341.1	26.6			
FH (60°-80°)	875.8	17.4			G1/1800
FVH (80°-90°)	22.7	0.5			G1/100
BL (0°-30°)	282.4	5.6	B1/500		
BM (30°-60°)	1341.1	26.6	B2/2500		
BH (60°-80°)	875.8	17.4	B2/1000		G2/1000
BVH (80°-90°)	22.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



REPORT NUMBER: P945338

CATALOG NUMBER: GALN-SB1B-827-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3
2.5°	540.3	539.8	540.3	540.8	540.6	540.6	541.8	542.6	544.2	543.9
5°	536.7	536.4	538.5	540.8	542.6	545.7	549.6	552.4	556.0	556.8
7.5°	534.9	534.1	537.7	541.8	547.5	555.2	562.7	570.4	576.6	578.7
10°	536.2	536.4	541.3	549.1	558.1	568.9	579.4	592.6	601.3	603.4
12.5°	542.1	541.6	549.8	562.2	574.6	588.2	600.6	615.0	624.5	629.4
15°	552.9	551.9	563.5	581.8	599.8	615.8	625.8	639.5	650.5	656.7
17.5°	565.8	566.3	581.5	605.2	628.9	646.9	656.4	663.4	671.9	677.3
20°	588.5	589.5	606.5	634.6	661.6	682.2	689.9	687.4	689.7	693.8
22.5°	618.9	619.4	638.4	668.8	697.1	719.8	725.0	714.4	708.0	710.8
25°	654.1	657.5	676.5	707.7	736.8	758.4	760.8	744.8	728.8	729.6
27.5°	697.1	700.2	719.5	750.4	780.1	798.9	798.6	777.2	753.8	747.9
30°	743.8	747.1	766.9	798.9	826.4	842.9	839.3	813.8	780.3	769.2
32.5°	799.1	801.2	821.3	853.2	878.7	891.8	884.4	852.9	811.2	798.6
35°	866.1	869.2	884.1	914.2	936.6	947.5	934.8	897.8	850.9	836.7
37.5°	942.6	940.5	957.5	984.3	1002.8	1009.5	992.3	948.2	896.2	879.5
40°	1022.4	1021.4	1039.9	1065.7	1075.7	1079.8	1054.3	1006.2	948.5	930.5
42.5°	1094.8	1094.0	1119.0	1147.6	1159.7	1155.0	1122.8	1067.7	1009.0	988.4
45°	1152.7	1151.7	1182.3	1222.5	1246.2	1238.5	1195.2	1135.7	1070.3	1048.9
47.5°	1197.3	1197.8	1230.7	1280.5	1321.9	1324.7	1269.1	1205.0	1137.8	1113.6
50°	1229.5	1231.0	1266.3	1321.4	1378.1	1403.0	1344.6	1276.1	1207.6	1180.3
52.5°	1237.4	1240.3	1282.8	1347.4	1414.1	1461.8	1421.3	1344.3	1273.8	1247.7
55°	1194.9	1200.6	1254.4	1345.3	1436.3	1500.4	1488.8	1413.6	1340.5	1313.7
57.5°	1097.3	1105.3	1168.2	1286.9	1431.4	1526.9	1541.1	1480.0	1407.2	1381.4
60°	960.6	970.1	1030.4	1159.9	1362.3	1536.7	1577.9	1544.7	1468.4	1443.5
62.5°	754.3	766.7	838.8	990.7	1216.6	1491.1	1609.3	1603.1	1523.6	1492.4
65°	483.9	497.0	573.0	752.5	1022.1	1351.5	1619.1	1660.1	1581.8	1538.2
67.5°	291.8	297.7	335.3	456.1	747.1	1141.1	1536.2	1723.1	1649.8	1595.7
70°	186.7	190.1	212.5	267.8	422.4	832.6	1330.7	1735.0	1732.2	1654.6
72.5°	126.7	127.7	133.7	158.6	239.0	473.1	981.5	1570.7	1783.7	1730.6
75°	92.7	98.4	107.9	112.3	135.7	236.4	562.5	1103.5	1503.2	1526.4
77.5°	69.0	69.3	82.4	87.6	96.8	125.9	238.0	616.0	933.3	979.9
80°	58.5	55.4	55.1	70.6	72.9	78.5	106.4	212.7	334.3	202.7
82.5°	48.7	45.3	40.9	55.1	49.7	48.2	46.1	86.5	106.4	52.3
85°	34.0	32.4	30.9	36.1	28.3	24.2	22.1	40.4	44.8	22.1
87.5°	14.7	15.2	15.5	16.0	11.8	8.5	8.5	11.3	11.3	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
540.3
543.7
556.8
579.2
605.5
631.5
659.0
679.9
696.9
712.8
730.9
749.7
770.5
801.7
838.8
882.6
936.4
993.6
1053.8
1120.8
1188.5
1254.4
1321.1
1387.3
1448.9
1496.0
1543.6
1599.8
1654.1
1722.4
1470.3
874.1
153.2
44.6
19.6
6.4
0.0

OF REPORT)