

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: P939570

Luminaire Tested: **GALN-SB2B-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939570
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-SB2B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 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: 10565 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 73.9
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



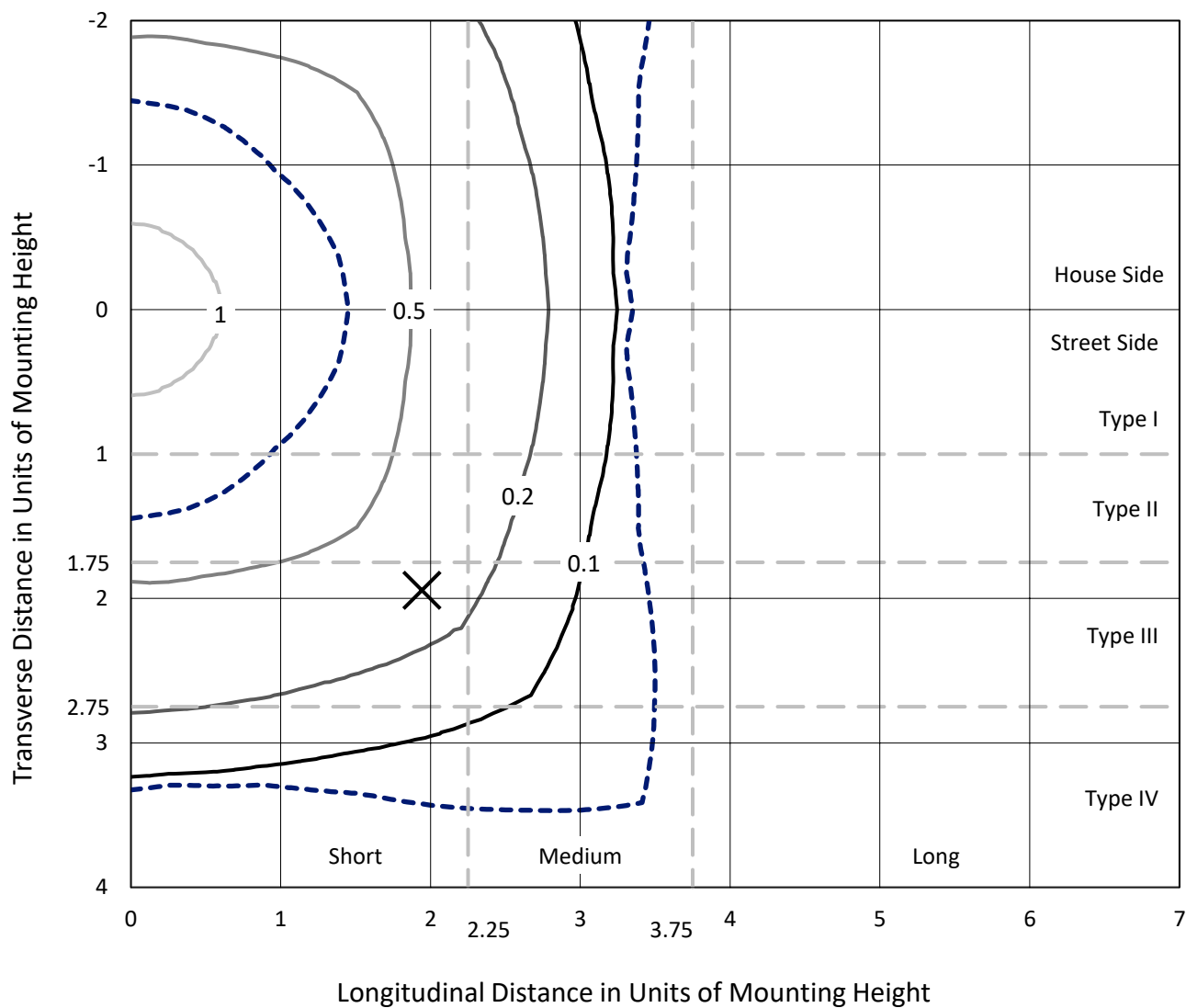
REPORT NUMBER: P939570

CATALOG NUMBER: GALN-SB2B-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

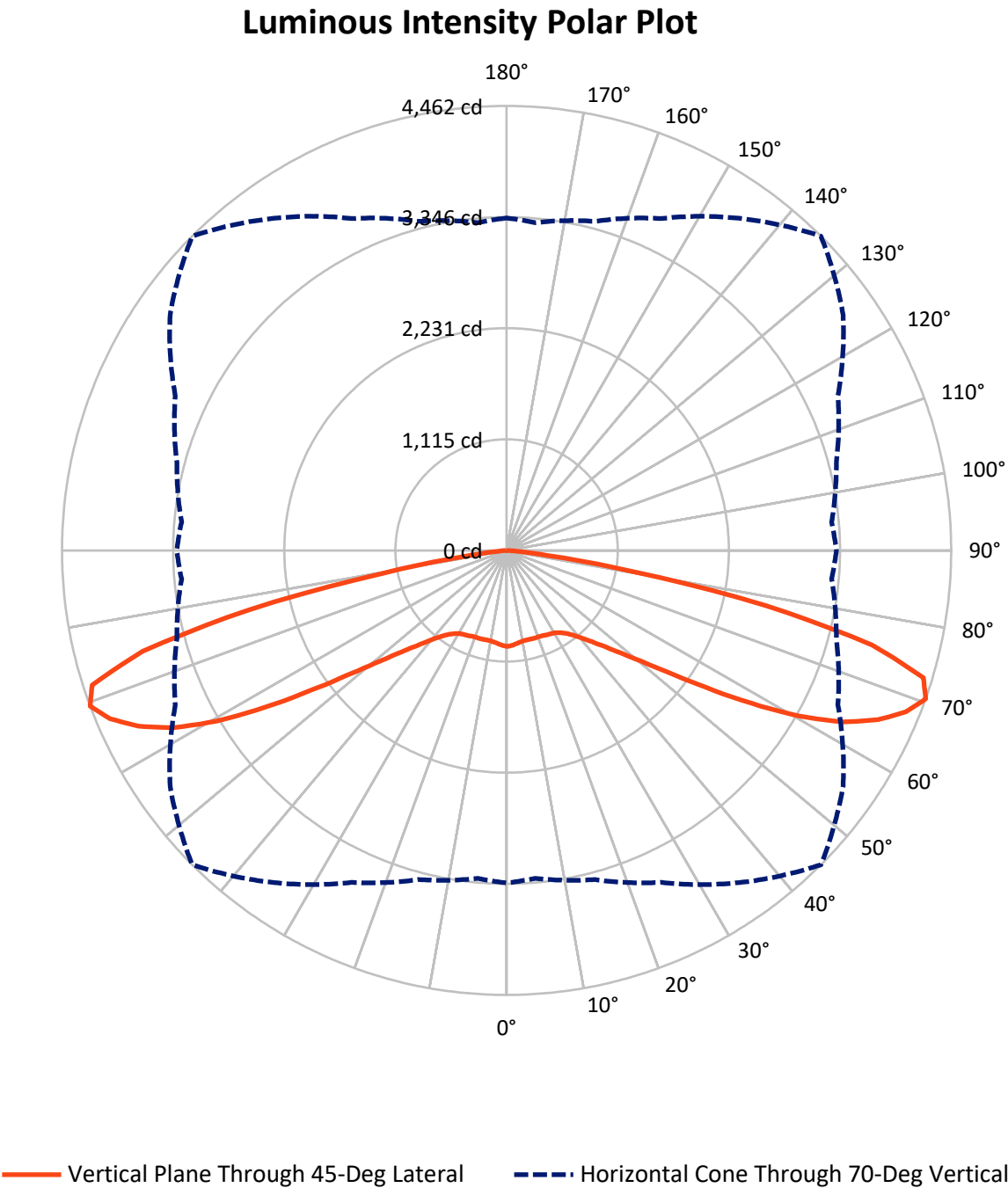
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P939570
CATALOG NUMBER: GALN-SB2B-727-U-5WQ



REPORT NUMBER: P939570

CATALOG NUMBER: GALN-SB2B-727-U-5WQ

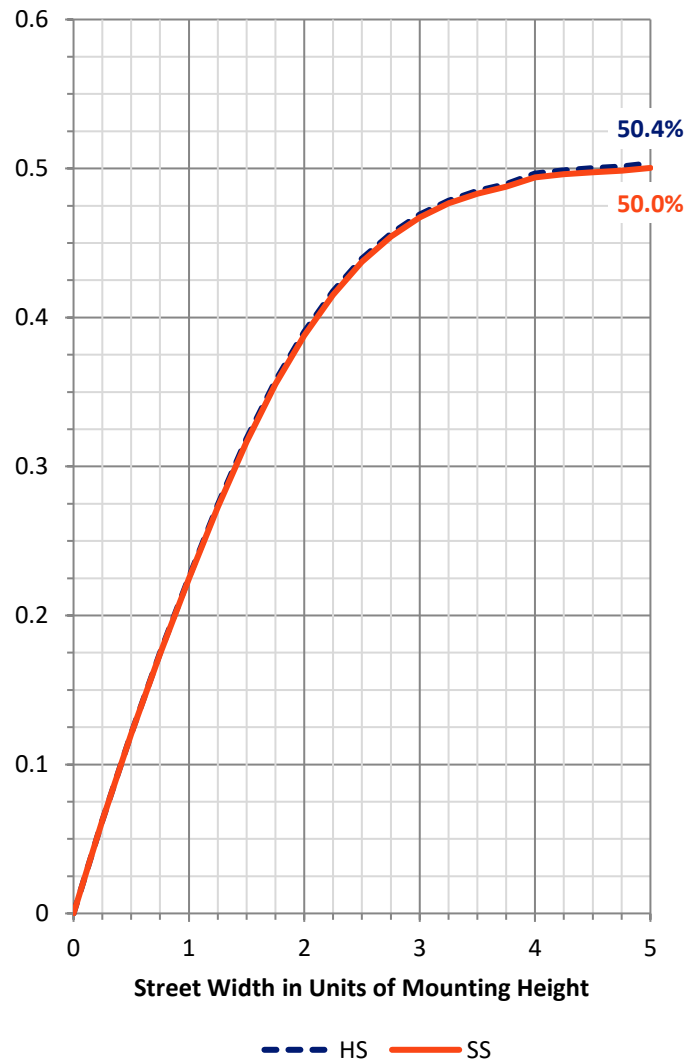
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5282.5	0.0	5282.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5282.5	0.0	5282.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10565.0	0.0	10565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	0.8
10°-20°	263.2	2.5
20°-30°	438.1	4.1
30°-40°	662.5	6.3
40°-50°	1100.9	10.4
50°-60°	2077.3	19.7
60°-70°	3507.7	33.2
70°-80°	2304.9	21.8
80°-90°	120.8	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°	10565.0	100.0
0°-180°	10565.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939570

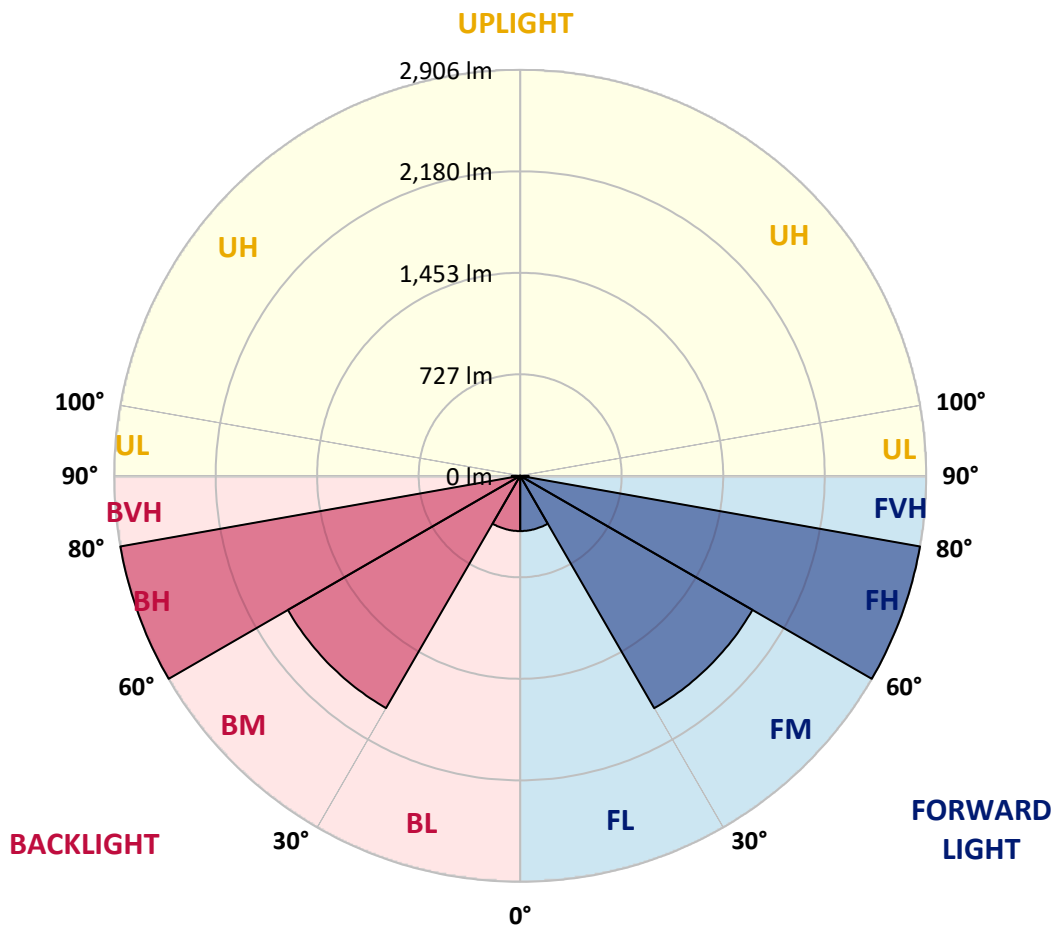
CATALOG NUMBER: GALN-SB2B-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	395.5	3.7			
FM	(30°-60°)	1920.4	18.2			
FH	(60°-80°)	2906.3	27.5			G2/5000
FVH	(80°-90°)	60.4	0.6			G1/100
BL	(0°-30°)	395.5	3.7	B1/500		
BM	(30°-60°)	1920.4	18.2	B2/2500		
BH	(60°-80°)	2906.3	27.5	B4/5000		G2/5000
BVH	(80°-90°)	60.4	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: P939570

CATALOG NUMBER: GALN-SB2B-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7	963.7
2.5°	957.7	960.4	959.3	957.2	957.2	955.5	957.2	958.2	959.9	961.0	960.4
5°	945.1	947.3	946.7	945.1	945.6	944.0	945.1	946.7	947.8	948.4	948.4
7.5°	934.1	936.3	935.2	932.4	932.4	930.8	931.3	933.0	934.6	935.2	935.2
10°	931.3	933.5	930.2	925.9	924.2	922.0	922.6	924.2	927.5	929.1	929.1
12.5°	932.4	934.1	930.8	924.2	922.6	920.4	920.4	922.0	926.4	928.6	929.1
15°	935.7	937.4	932.4	925.3	923.7	922.0	921.5	923.7	928.6	932.4	933.0
17.5°	941.8	943.4	935.7	925.9	923.7	924.2	923.7	925.3	933.0	940.1	940.1
20°	947.3	948.4	937.9	925.9	923.7	924.2	923.7	926.9	936.8	946.7	947.3
22.5°	948.9	950.0	940.1	929.7	928.0	928.6	928.0	931.3	940.7	950.6	950.6
25°	949.5	951.1	943.4	935.2	937.9	939.0	937.9	938.5	945.6	954.4	953.9
27.5°	957.7	959.9	952.8	945.6	947.3	946.7	948.4	950.0	955.5	964.3	962.1
30°	974.7	976.4	970.3	963.2	962.1	958.2	963.2	968.7	974.7	982.4	980.8
32.5°	1002.7	1006.0	998.3	990.6	985.7	983.5	987.4	996.7	1004.9	1013.2	1009.9
35°	1049.4	1051.6	1044.5	1030.2	1021.4	1021.4	1024.7	1036.8	1050.0	1060.4	1056.5
37.5°	1115.3	1118.0	1105.4	1088.4	1075.2	1075.2	1079.6	1092.2	1112.0	1126.8	1121.3
40°	1195.5	1199.3	1183.4	1165.8	1153.2	1151.0	1156.5	1170.8	1189.4	1208.1	1202.1
42.5°	1292.1	1296.5	1275.7	1260.3	1250.4	1250.4	1253.1	1266.3	1283.3	1306.4	1304.8
45°	1415.7	1423.4	1394.8	1379.4	1370.1	1372.3	1373.9	1385.5	1400.9	1427.2	1426.1
47.5°	1562.9	1570.5	1540.3	1524.4	1522.8	1533.2	1526.6	1534.8	1543.1	1573.3	1564.5
50°	1729.8	1743.0	1722.1	1721.0	1724.3	1743.5	1728.1	1732.5	1723.2	1742.4	1730.9
52.5°	1934.1	1953.3	1949.4	1956.0	1992.8	2032.4	1997.2	1981.8	1946.7	1952.7	1932.4
55°	2181.7	2210.8	2216.3	2255.9	2339.3	2420.1	2345.4	2283.3	2208.6	2194.9	2173.5
57.5°	2463.4	2486.5	2512.9	2593.6	2749.5	2892.9	2749.5	2612.3	2494.7	2466.7	2447.0
60°	2766.6	2795.1	2820.4	2939.5	3171.3	3372.8	3166.9	2948.9	2793.5	2755.6	2722.6
62.5°	3092.2	3129.0	3146.6	3278.9	3549.1	3789.6	3552.9	3288.8	3116.4	3075.7	3042.8
65°	3404.7	3434.9	3454.6	3595.8	3853.9	4094.9	3871.4	3611.1	3433.8	3380.5	3354.1
67.5°	3550.2	3566.7	3615.0	3774.8	4047.2	4322.3	4093.3	3791.8	3593.6	3500.2	3501.3
70°	3337.1	3303.6	3420.0	3675.9	4070.2	4461.8	4122.9	3668.3	3425.5	3274.0	3310.2
72.5°	2578.8	2521.1	2723.2	3160.8	3806.6	4372.8	3833.0	3185.6	2848.9	2541.4	2617.8
75°	1403.1	1337.7	1616.7	2170.2	3035.6	3790.2	3105.4	2232.3	1800.1	1392.6	1483.2
77.5°	395.9	371.2	596.4	1050.0	1825.9	2661.1	1896.2	1073.0	707.3	419.5	466.2
80°	121.4	117.5	159.3	316.3	775.4	1274.6	745.2	320.1	202.6	127.9	135.1
82.5°	71.9	65.9	79.1	115.3	197.7	400.3	192.2	120.3	96.6	64.8	70.3
85°	41.2	38.4	46.7	56.0	66.4	85.1	55.5	57.1	51.6	34.6	36.2
87.5°	17.0	15.4	18.1	17.6	15.4	19.8	14.8	17.6	20.9	13.7	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)