

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: P939850

Luminaire Tested: **GALN-SB2C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939850
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-SB2C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9221 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

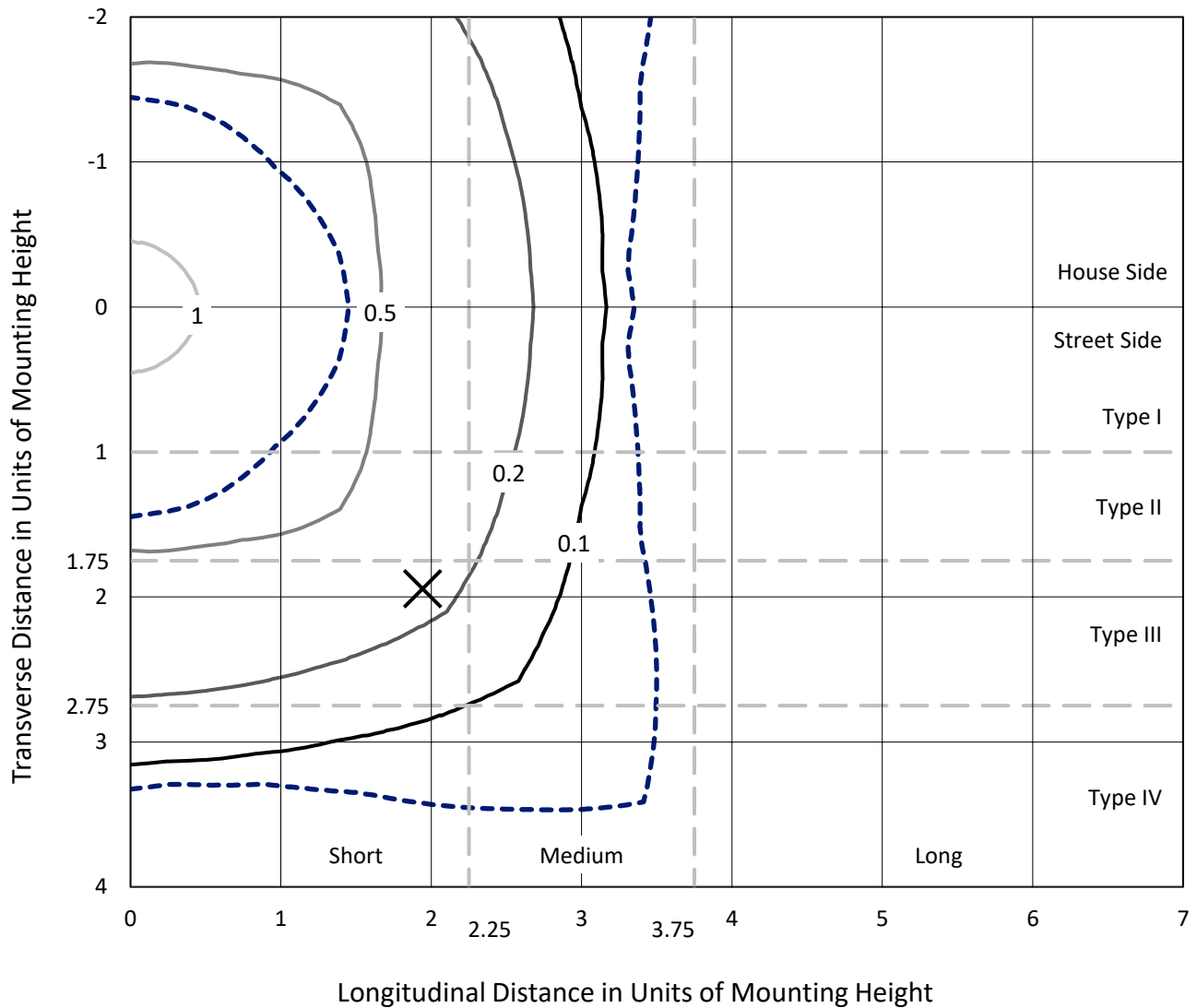
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939850
 CATALOG NUMBER: GALN-SB2C-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

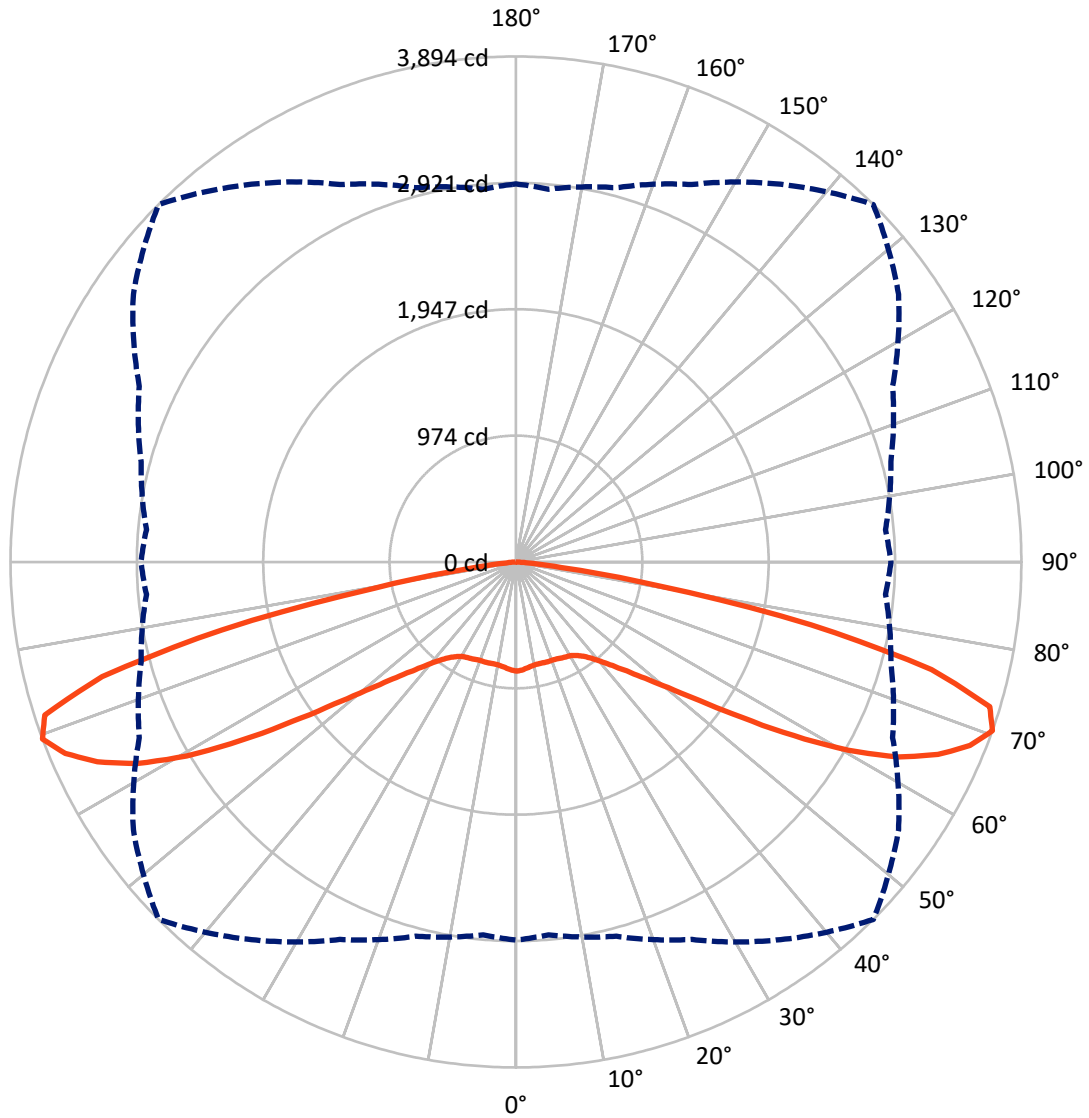
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P939850
CATALOG NUMBER: GALN-SB2C-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P939850

CATALOG NUMBER: GALN-SB2C-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4610.5	0.0	4610.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4610.5	0.0	4610.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9221.0	0.0	9221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	0.8
10°-20°	229.8	2.5
20°-30°	382.3	4.1
30°-40°	578.2	6.3
40°-50°	960.8	10.4
50°-60°	1813.1	19.7
60°-70°	3061.5	33.2
70°-80°	2011.7	21.8
80°-90°	105.4	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°	9221.0	100.0
0°-180°	9221.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939850

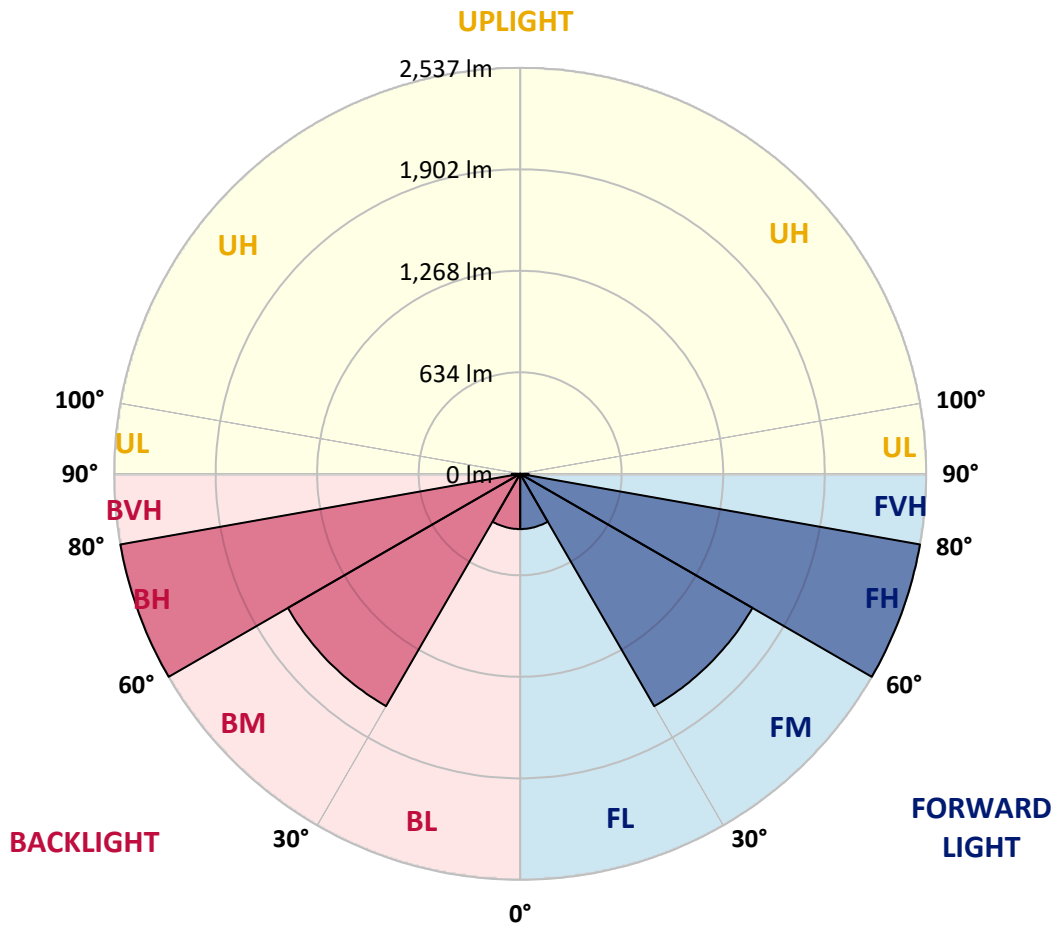
CATALOG NUMBER: GALN-SB2C-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.2	3.7			
FM (30°-60°)	1676.1	18.2			
FH (60°-80°)	2536.6	27.5			G2/5000
FVH (80°-90°)	52.7	0.6			G1/100
BL (0°-30°)	345.2	3.7	B1/500		
BM (30°-60°)	1676.1	18.2	B2/2500		
BH (60°-80°)	2536.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	52.7	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: P939850

CATALOG NUMBER: GALN-SB2C-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1
2.5°	835.9	838.3	837.3	835.4	835.4	834.0	835.4	836.3	837.8	838.7
5°	824.8	826.8	826.3	824.8	825.3	823.9	824.8	826.3	827.2	827.7
7.5°	815.3	817.2	816.2	813.8	813.8	812.4	812.9	814.3	815.7	816.2
10°	812.9	814.8	811.9	808.1	806.6	804.7	805.2	806.6	809.5	810.9
12.5°	813.8	815.3	812.4	806.6	805.2	803.3	803.3	804.7	808.5	810.5
15°	816.7	818.1	813.8	807.6	806.2	804.7	804.2	806.2	810.5	813.8
17.5°	822.0	823.4	816.7	808.1	806.2	806.6	806.2	807.6	814.3	820.5
20°	826.8	827.7	818.6	808.1	806.2	806.6	806.2	809.0	817.7	826.3
22.5°	828.2	829.2	820.5	811.4	810.0	810.5	810.0	812.9	821.0	829.6
25°	828.7	830.1	823.4	816.2	818.6	819.6	818.6	819.1	825.3	833.0
27.5°	835.9	837.8	831.6	825.3	826.8	826.3	827.7	829.2	834.0	841.6
30°	850.7	852.2	846.9	840.7	839.7	836.3	840.7	845.5	850.7	857.4
32.5°	875.2	878.0	871.3	864.6	860.3	858.4	861.8	869.9	877.1	884.3
35°	915.9	917.8	911.6	899.1	891.5	891.5	894.3	904.9	916.4	925.5
37.5°	973.4	975.8	964.8	949.9	938.4	938.4	942.3	953.3	970.5	983.5
40°	1043.4	1046.8	1032.9	1017.5	1006.5	1004.6	1009.4	1021.8	1038.1	1054.4
42.5°	1127.8	1131.6	1113.4	1100.0	1091.3	1091.3	1093.7	1105.2	1120.1	1140.2
45°	1235.6	1242.3	1217.4	1204.0	1195.8	1197.7	1199.2	1209.2	1222.6	1245.7
47.5°	1364.0	1370.7	1344.4	1330.5	1329.1	1338.2	1332.4	1339.6	1346.8	1373.1
50°	1509.7	1521.2	1503.0	1502.1	1504.9	1521.7	1508.3	1512.1	1504.0	1520.8
52.5°	1688.0	1704.8	1701.5	1707.2	1739.3	1773.8	1743.2	1729.7	1699.1	1704.3
55°	1904.2	1929.6	1934.4	1968.9	2041.7	2112.2	2047.0	1992.9	1927.7	1915.7
57.5°	2150.1	2170.2	2193.2	2263.7	2399.8	2524.9	2399.8	2279.9	2177.4	2152.9
60°	2414.6	2439.5	2461.6	2565.6	2767.9	2943.8	2764.0	2573.7	2438.1	2405.0
62.5°	2698.8	2731.0	2746.3	2861.8	3097.6	3307.5	3101.0	2870.4	2719.9	2684.5
65°	2971.6	2997.9	3015.2	3138.3	3363.6	3574.0	3378.9	3151.8	2997.0	2950.5
67.5°	3098.6	3112.9	3155.1	3294.6	3532.3	3772.4	3572.6	3309.4	3136.4	3054.9
70°	2912.6	2883.4	2985.0	3208.3	3552.4	3894.2	3598.5	3201.6	2989.8	2857.5
72.5°	2250.7	2200.4	2376.8	2758.8	3322.4	3816.5	3345.4	2780.3	2486.5	2218.1
75°	1224.6	1167.5	1411.0	1894.1	2649.5	3308.0	2710.3	1948.3	1571.1	1215.5
77.5°	345.6	324.0	520.5	916.4	1593.6	2322.6	1655.0	936.5	617.3	366.2
80°	105.9	102.6	139.0	276.1	676.7	1112.4	650.4	279.4	176.9	111.7
82.5°	62.8	57.5	69.0	100.6	172.5	349.4	167.7	105.0	84.4	56.6
85°	35.9	33.5	40.7	48.9	58.0	74.3	48.4	49.8	45.1	30.2
87.5°	14.9	13.4	15.8	15.3	13.4	17.3	12.9	15.3	18.2	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
841.1
838.3
827.7
816.2
810.9
810.9
814.3
820.5
826.8
829.6
832.5
839.7
856.0
881.4
922.1
978.7
1049.1
1138.8
1244.7
1365.5
1510.7
1686.6
1897.0
2135.7
2376.3
2655.7
2927.5
3055.9
2889.1
2284.7
1294.5
406.9
117.9
61.3
31.6
11.0
0.0

OF REPORT)