

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: P947959

Luminaire Tested: **GALN-SB3A-930-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3A-930-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9805 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

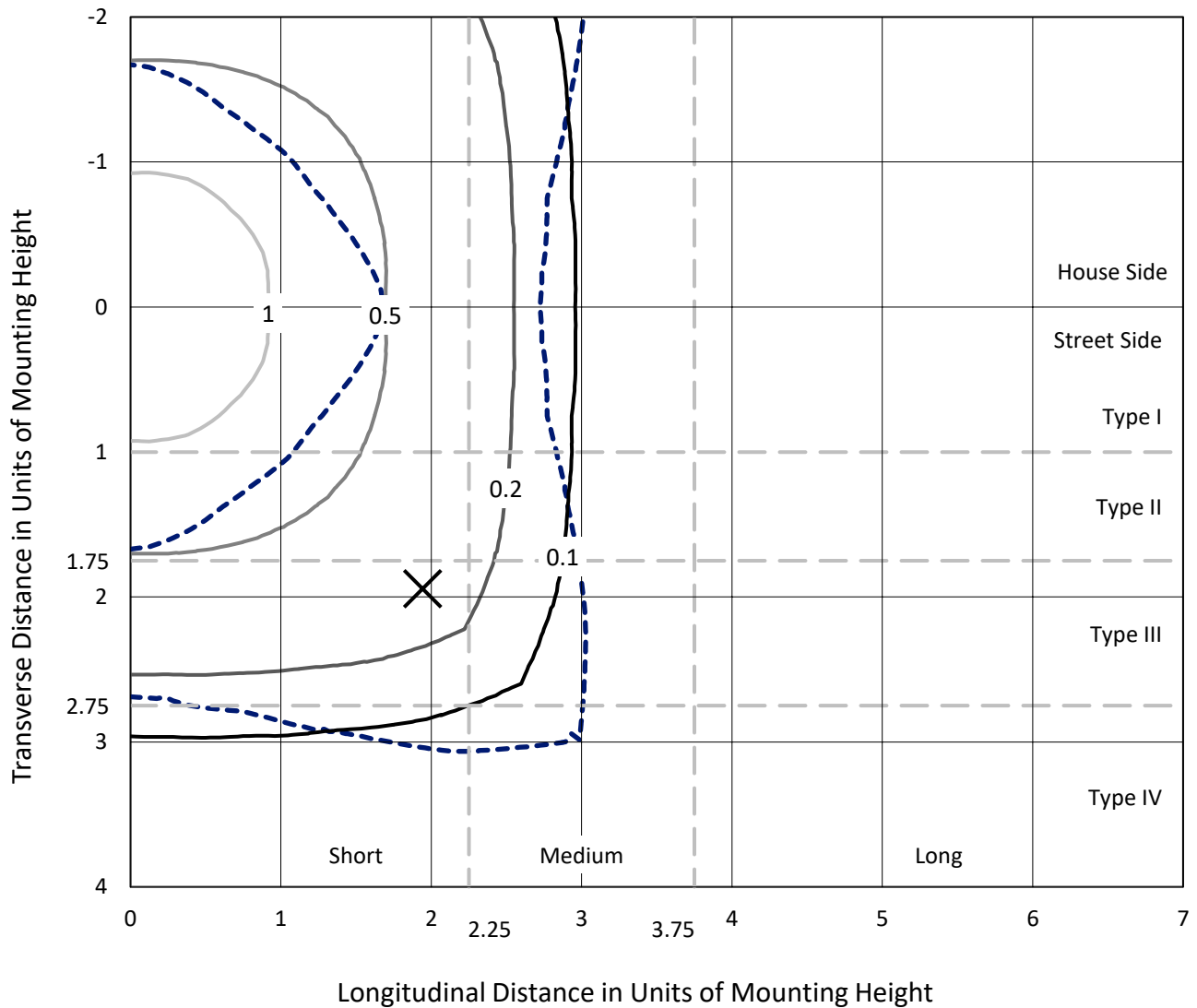
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947959
 CATALOG NUMBER: GALN-SB3A-930-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

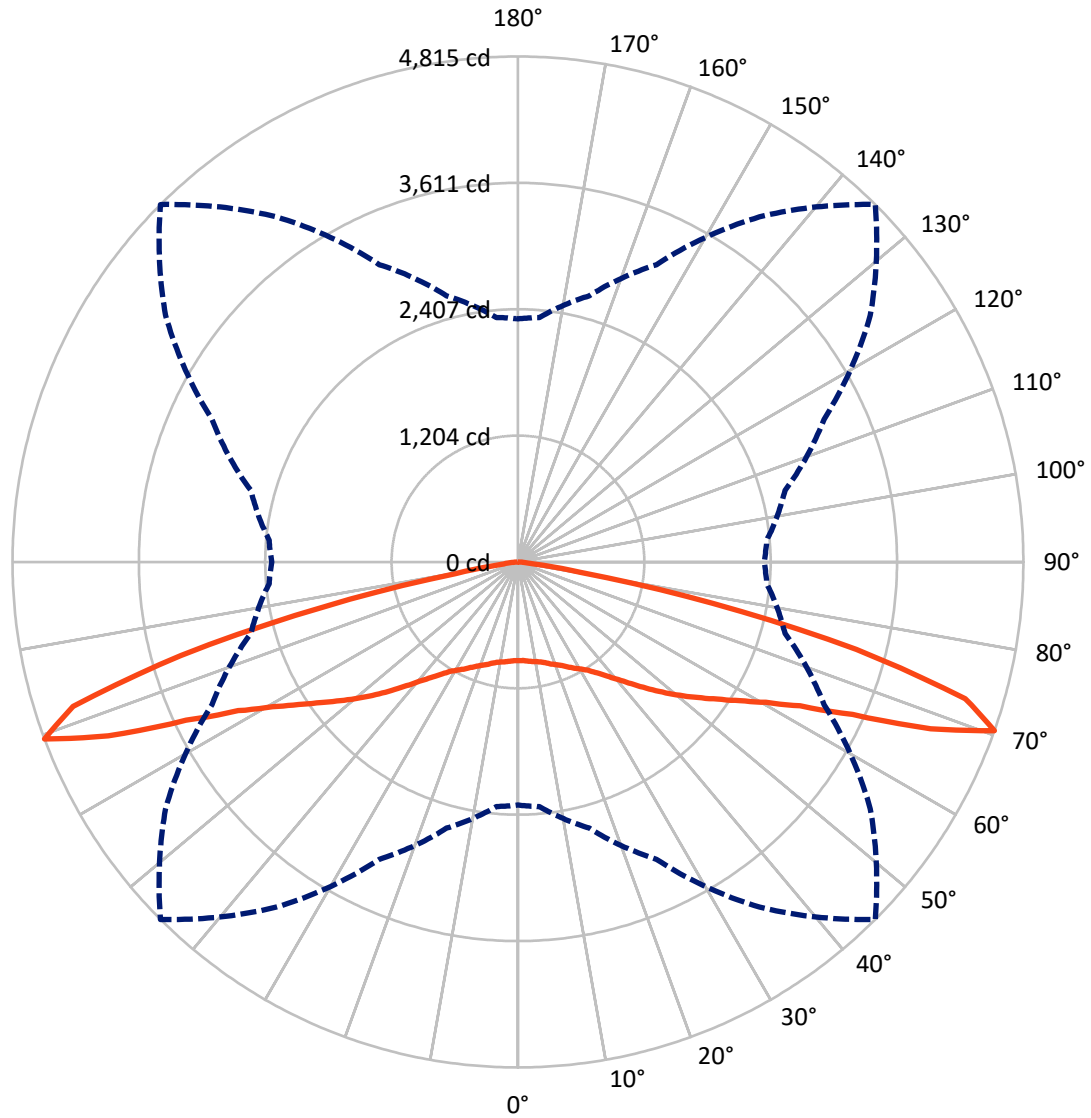
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P947959
CATALOG NUMBER: GALN-SB3A-930-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P947959

CATALOG NUMBER: GALN-SB3A-930-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4902.5	0.0	4902.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4902.5	0.0	4902.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9805.0	0.0	9805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	0.9
10°-20°	282.9	2.9
20°-30°	505.6	5.2
30°-40°	819.7	8.4
40°-50°	1335.1	13.6
50°-60°	2035.5	20.8
60°-70°	3028.2	30.9
70°-80°	1650.5	16.8
80°-90°	56.2	0.6
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°	9805.0	100.0
0°-180°	9805.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947959

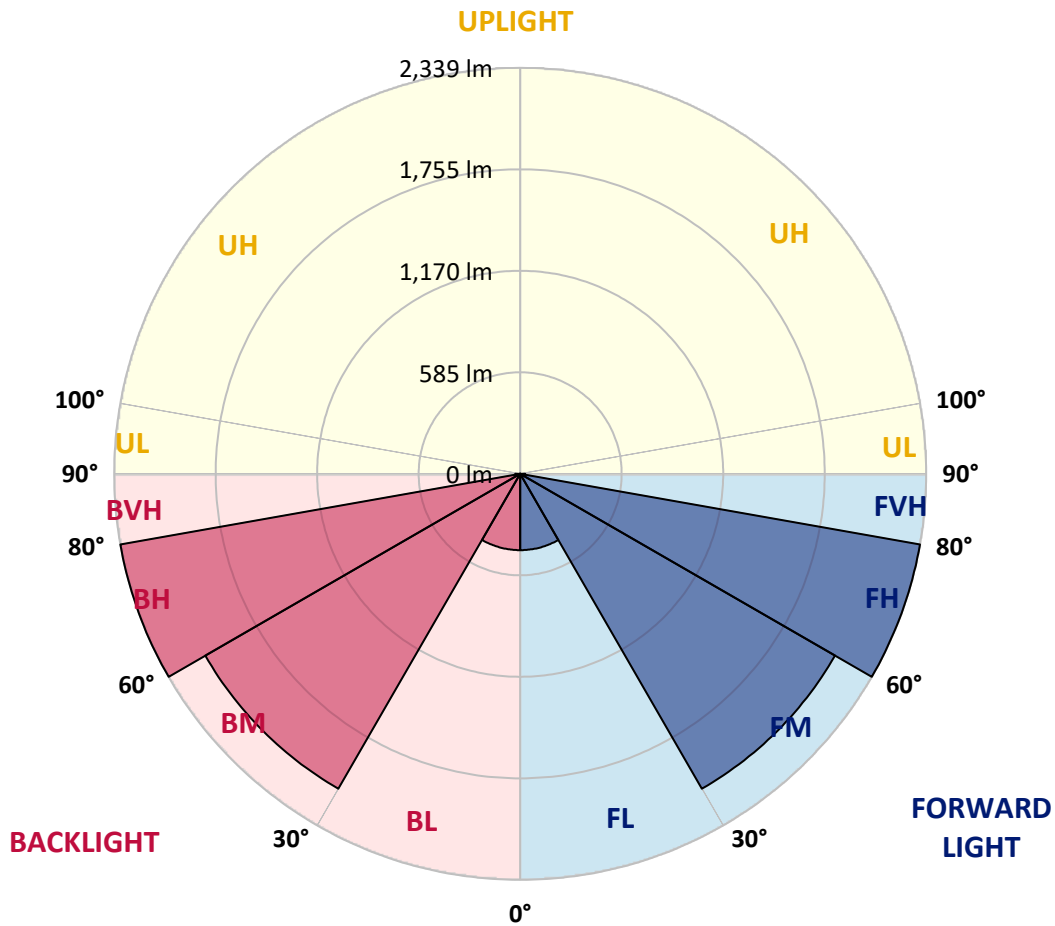
CATALOG NUMBER: GALN-SB3A-930-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.9	4.5			
FM (30°-60°)	2095.1	21.4			
FH (60°-80°)	2339.4	23.9			G2/5000
FVH (80°-90°)	28.1	0.3			G1/100
BL (0°-30°)	439.9	4.5	B1/500		
BM (30°-60°)	2095.1	21.4	B2/2500		
BH (60°-80°)	2339.4	23.9	B3/2500		G2/5000
BVH (80°-90°)	28.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P947959

CATALOG NUMBER: GALN-SB3A-930-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	943.6	944.6	942.7	941.7	940.7	939.2	939.7	942.2	944.1	943.6
5°	951.5	952.5	951.0	950.5	948.6	948.1	948.1	950.5	952.0	951.0
7.5°	960.4	961.9	959.4	958.9	957.9	956.9	956.4	958.9	960.4	960.4
10°	968.8	970.2	968.3	966.8	965.8	965.8	964.8	966.8	969.2	968.8
12.5°	977.6	978.6	976.6	975.6	975.6	977.1	975.6	976.6	978.6	977.6
15°	988.4	988.9	988.4	989.9	992.4	997.3	992.9	991.9	992.9	990.4
17.5°	1003.2	1004.2	1006.2	1009.6	1013.1	1021.9	1014.0	1011.6	1011.6	1006.7
20°	1021.4	1022.9	1025.9	1031.8	1036.2	1044.6	1036.7	1033.2	1031.8	1025.4
22.5°	1040.6	1043.1	1047.5	1055.4	1063.3	1071.1	1063.3	1057.4	1052.9	1044.6
25°	1062.8	1065.7	1072.6	1085.4	1096.2	1107.6	1098.2	1086.4	1077.5	1065.7
27.5°	1094.3	1097.7	1106.1	1121.8	1135.6	1145.5	1136.6	1121.4	1109.0	1094.8
30°	1138.6	1142.0	1151.9	1168.6	1178.0	1184.4	1178.5	1166.6	1151.9	1135.6
32.5°	1195.7	1200.1	1210.9	1226.7	1228.7	1229.6	1227.7	1221.8	1210.9	1191.3
35°	1268.0	1273.0	1285.3	1298.1	1296.1	1298.1	1295.1	1293.1	1285.3	1262.6
37.5°	1356.6	1362.6	1375.4	1385.2	1380.3	1377.8	1378.3	1378.8	1374.4	1349.3
40°	1459.5	1467.4	1476.8	1487.1	1478.7	1471.3	1476.3	1480.2	1476.3	1450.7
42.5°	1565.4	1576.7	1586.5	1601.3	1594.4	1585.1	1591.9	1596.4	1588.0	1560.4
45°	1683.0	1693.8	1706.6	1728.8	1723.9	1714.0	1723.9	1724.9	1710.6	1678.1
47.5°	1804.6	1815.9	1835.1	1864.7	1862.7	1851.9	1864.7	1857.8	1839.5	1800.7
50°	1919.8	1935.5	1965.1	2006.4	2010.4	1997.1	2014.3	2001.0	1970.5	1921.8
52.5°	2028.1	2044.8	2091.6	2147.7	2162.0	2144.7	2167.9	2144.7	2099.0	2036.4
55°	2141.8	2160.5	2216.1	2289.5	2318.0	2305.2	2326.9	2291.9	2226.9	2151.1
57.5°	2275.7	2287.0	2353.5	2440.6	2488.8	2491.8	2501.6	2442.6	2363.8	2277.7
60°	2420.9	2436.6	2509.0	2613.4	2689.7	2714.3	2703.9	2616.3	2524.8	2425.8
62.5°	2607.0	2624.2	2710.8	2835.9	2956.5	3017.5	2977.1	2850.1	2736.9	2618.3
65°	2761.0	2780.2	2936.8	3159.8	3379.3	3501.9	3400.5	3166.7	2962.9	2795.5
67.5°	2649.3	2672.9	2918.6	3328.1	3874.0	4239.8	3892.7	3378.3	2979.1	2752.2
70°	2315.6	2337.7	2624.2	3124.8	4013.3	4814.7	4097.0	3216.9	2633.6	2379.5
72.5°	1537.3	1608.7	1898.6	2499.2	3583.6	4455.4	3619.0	2448.5	1761.3	1533.9
75°	510.0	567.1	765.0	1295.6	2400.2	3332.1	2285.0	1146.5	606.0	436.1
77.5°	128.5	148.2	204.3	370.7	957.4	1897.1	861.9	302.7	164.9	115.2
80°	62.5	68.9	98.5	123.6	239.7	603.0	225.0	116.2	77.8	60.1
82.5°	34.5	34.9	55.6	69.9	89.1	156.0	92.5	67.9	44.8	36.4
85°	21.2	20.7	29.5	37.4	37.4	55.6	44.3	37.4	25.6	22.6
87.5°	8.4	8.4	10.8	11.8	10.3	14.3	11.3	12.3	9.8	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
939.2
944.1
951.5
960.4
968.8
977.1
990.4
1006.7
1025.4
1044.1
1065.2
1094.3
1135.6
1191.7
1262.6
1349.3
1450.7
1562.4
1681.5
1798.2
1920.8
2030.5
2140.8
2265.8
2410.1
2597.6
2767.9
2718.2
2345.6
1484.1
412.5
102.9
55.1
36.4
23.6
9.8
0.0

OF REPORT)