

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: P946259

Luminaire Tested: **GALN-SB2A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7766 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 57.3
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

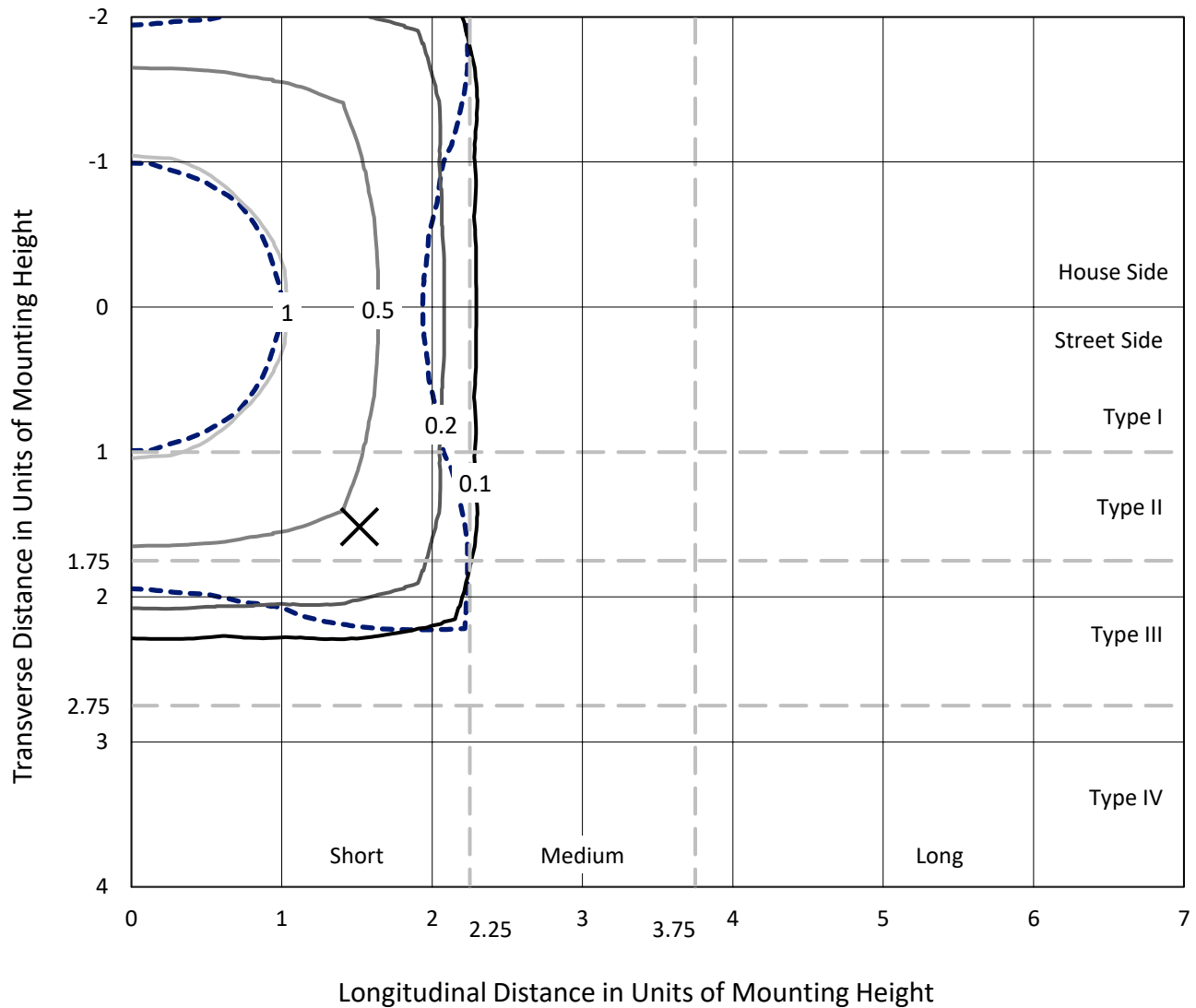


REPORT NUMBER: P946259

CATALOG NUMBER: GALN-SB2A-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

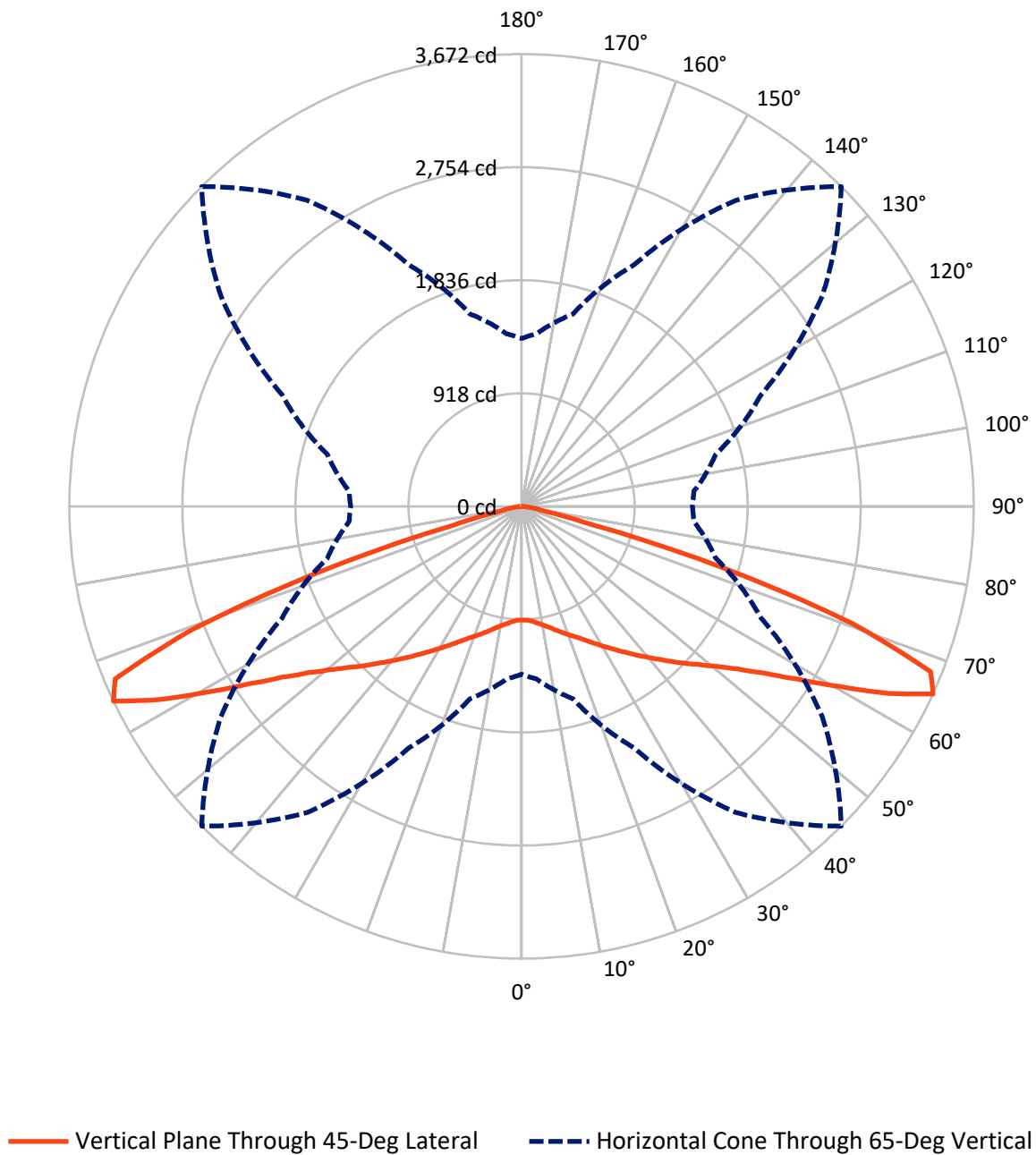


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - N/A

REPORT NUMBER: P946259

CATALOG NUMBER: GALN-SB2A-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P946259

CATALOG NUMBER: GALN-SB2A-722-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3883.0	0.0	3883.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3883.0	0.0	3883.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7766.0	0.0	7766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.2
10°-20°	297.6	3.8
20°-30°	562.0	7.2
30°-40°	920.2	11.8
40°-50°	1426.8	18.4
50°-60°	2107.7	27.1
60°-70°	2006.3	25.8
70°-80°	323.7	4.2
80°-90°	30.5	0.4
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°	7766.0	100.0
0°-180°	7766.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946259

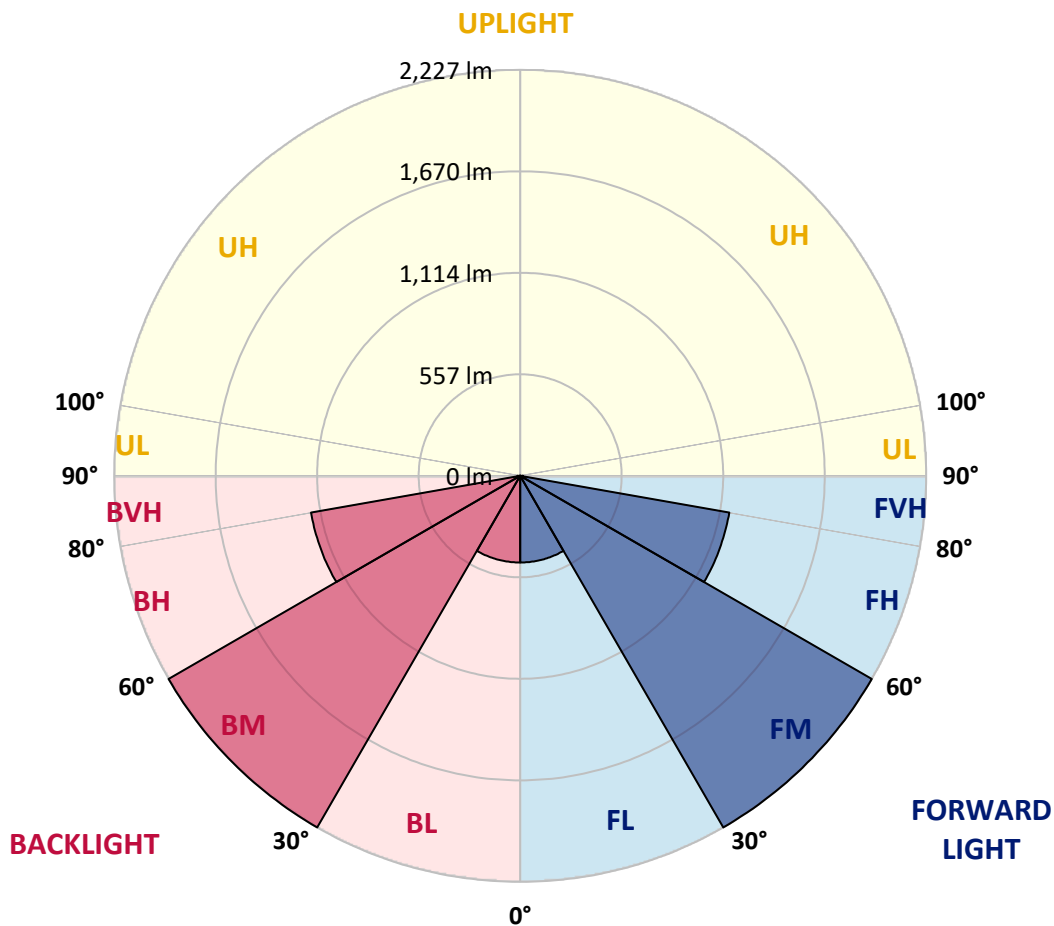
CATALOG NUMBER: GALN-SB2A-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.4	6.1			
FM	(30°-60°)	2227.3	28.7			
FH	(60°-80°)	1165.0	15.0			G1/1800
FVH	(80°-90°)	15.3	0.2			G1/100
BL	(0°-30°)	475.4	6.1	B1/500		
BM	(30°-60°)	2227.3	28.7	B2/2500		
BH	(60°-80°)	1165.0	15.0	B3/2500		G1/1800
BVH	(80°-90°)	15.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P946259

CATALOG NUMBER: GALN-SB2A-722-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2	924.2
2.5°	930.5	927.3	929.7	927.7	926.2	924.6	925.4	928.1	929.3	929.7	929.7
5°	942.9	940.2	941.4	941.4	938.6	937.9	938.3	940.2	942.5	942.5	942.5
7.5°	963.2	960.5	963.2	961.6	959.3	958.5	958.1	959.7	963.2	963.2	962.0
10°	987.7	984.6	986.2	985.4	982.7	981.5	981.1	983.5	986.6	986.2	985.4
12.5°	1014.6	1011.1	1013.1	1010.7	1010.0	1008.8	1008.8	1008.4	1010.3	1008.8	1009.6
15°	1044.6	1042.3	1043.1	1041.5	1042.7	1041.9	1038.8	1037.2	1038.0	1035.7	1036.1
17.5°	1080.1	1074.6	1077.4	1076.6	1076.6	1078.1	1073.1	1071.1	1072.7	1070.3	1072.3
20°	1121.0	1115.5	1116.7	1115.2	1113.2	1114.8	1108.5	1110.1	1111.3	1109.7	1113.2
22.5°	1165.8	1158.8	1158.4	1159.2	1154.9	1155.3	1151.0	1154.9	1157.2	1153.0	1157.2
25°	1211.8	1204.4	1209.4	1207.5	1202.0	1203.2	1200.1	1204.0	1205.9	1200.5	1206.7
27.5°	1260.5	1255.4	1260.1	1261.3	1254.6	1259.3	1254.6	1258.2	1260.1	1251.9	1258.2
30°	1317.4	1312.3	1316.6	1319.7	1311.9	1319.3	1315.4	1317.8	1318.2	1308.4	1314.3
32.5°	1379.3	1371.5	1382.5	1384.0	1375.4	1384.4	1379.3	1382.5	1384.4	1371.2	1380.1
35°	1454.9	1445.2	1457.7	1455.7	1448.3	1455.7	1451.0	1455.7	1460.4	1444.4	1454.1
37.5°	1536.4	1526.2	1539.5	1536.0	1529.0	1534.0	1531.3	1534.4	1541.8	1524.7	1535.2
40°	1626.0	1613.5	1631.4	1625.2	1618.6	1617.8	1619.4	1621.3	1631.0	1612.0	1618.2
42.5°	1721.8	1708.6	1735.5	1725.7	1716.4	1710.1	1715.2	1719.1	1728.5	1707.0	1718.3
45°	1831.3	1816.1	1851.2	1839.5	1824.7	1811.8	1820.0	1825.9	1839.5	1813.8	1827.0
47.5°	1952.1	1935.0	1972.4	1968.9	1944.7	1916.7	1935.4	1952.1	1962.2	1931.1	1941.6
50°	2070.2	2056.9	2106.0	2110.3	2080.7	2041.3	2067.4	2092.8	2095.5	2054.6	2059.6
52.5°	2180.8	2167.6	2238.9	2265.8	2239.3	2192.5	2220.2	2245.9	2225.2	2172.3	2173.8
55°	2269.3	2258.4	2349.2	2418.5	2427.5	2388.9	2405.3	2404.5	2336.7	2255.2	2258.0
57.5°	2290.7	2289.1	2403.7	2550.6	2644.1	2648.8	2616.4	2533.8	2387.7	2278.2	2271.2
60°	2193.3	2203.0	2360.5	2619.6	2868.9	2972.6	2832.7	2597.0	2329.7	2177.7	2159.8
62.5°	1901.8	1927.6	2117.3	2535.4	3050.5	3345.1	3006.1	2501.1	2091.2	1892.9	1881.2
65°	1363.0	1407.8	1617.4	2163.7	3034.1	3672.4	2981.2	2146.2	1633.0	1404.3	1387.5
67.5°	618.4	664.0	842.0	1481.4	2637.5	3583.5	2631.3	1497.0	884.1	666.3	656.5
70°	224.0	231.8	289.1	593.0	1685.6	2855.3	1757.7	597.3	307.4	247.0	243.9
72.5°	135.6	136.8	148.8	212.4	585.6	1733.5	610.6	219.4	152.0	134.8	137.2
75°	86.1	85.3	106.0	129.8	207.7	584.9	217.8	129.8	105.6	96.2	97.0
77.5°	62.0	63.9	76.0	97.0	130.9	198.3	128.6	92.7	76.0	62.3	63.5
80°	46.4	47.5	55.3	75.6	92.0	123.5	81.8	68.6	57.3	39.0	40.1
82.5°	33.5	33.5	36.2	54.9	56.1	66.6	44.4	48.3	37.8	27.7	27.7
85°	19.9	19.5	22.6	32.7	29.2	24.5	20.3	29.6	23.8	17.1	16.8
87.5°	7.0	7.4	7.0	9.4	7.8	6.6	6.2	8.2	6.6	5.8	5.5
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)