

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: P940072

Luminaire Tested: **GALN-SB3A-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

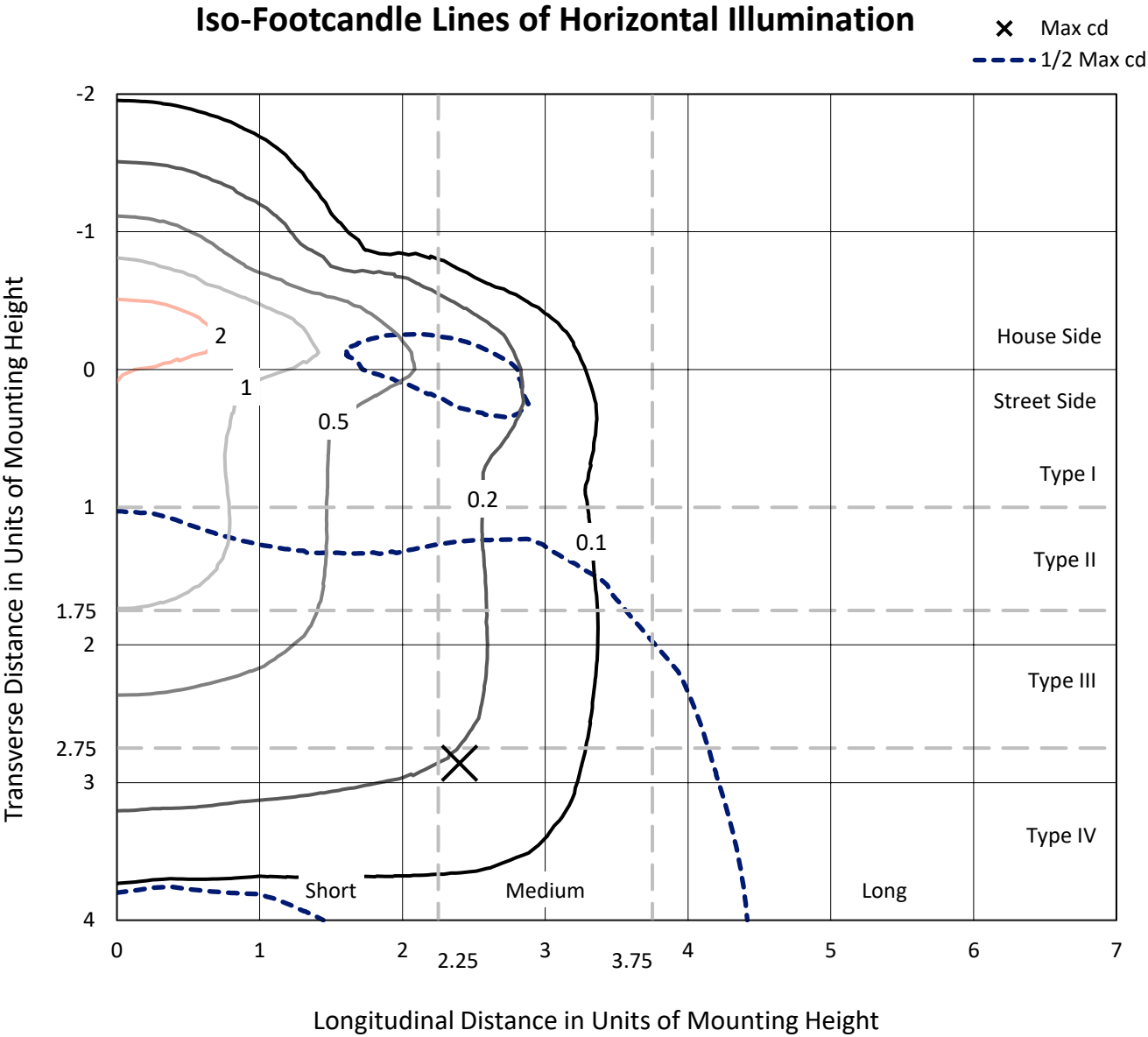
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11021 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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: P940072
CATALOG NUMBER: GALN-SB3A-722-U-SL4

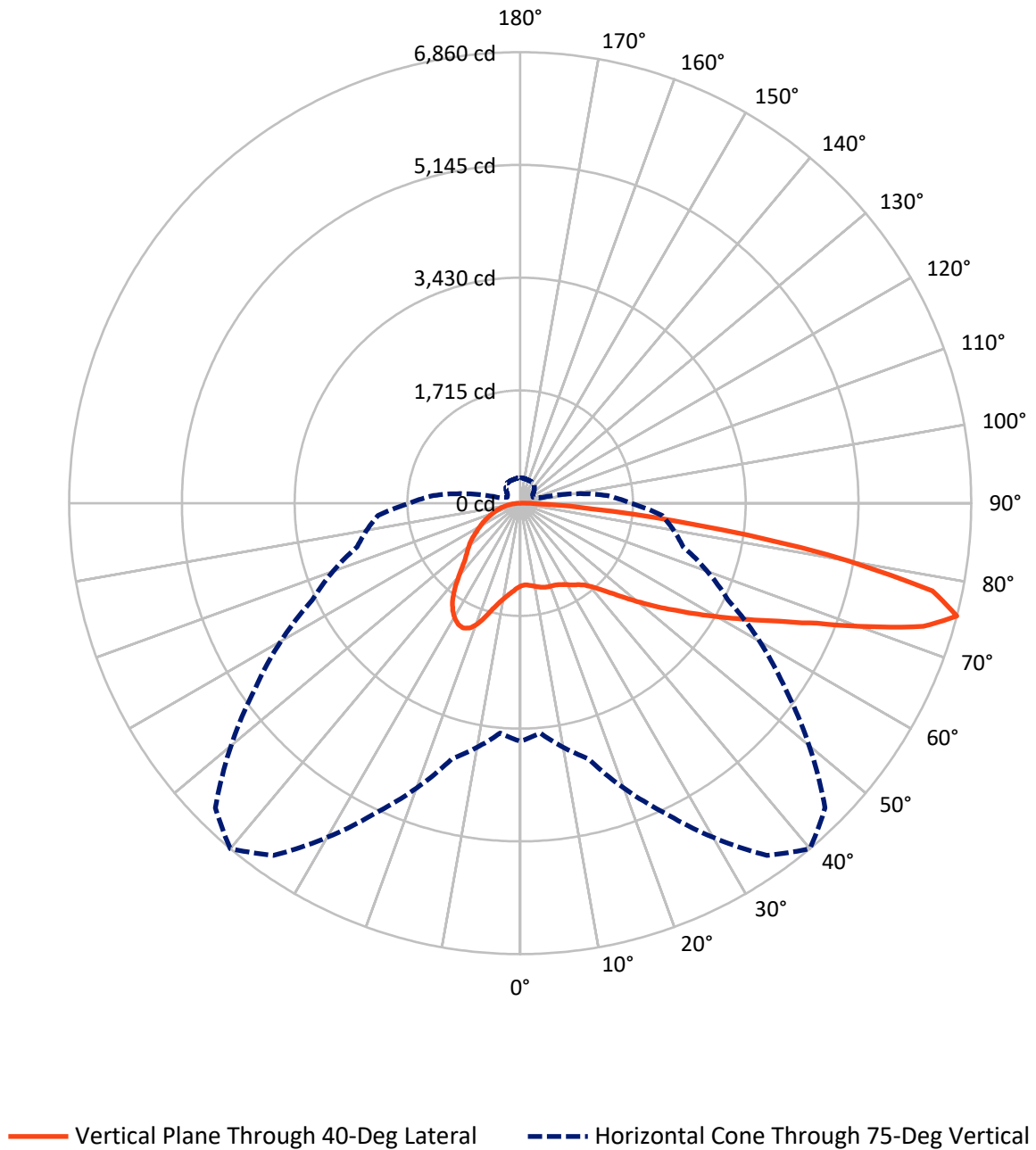


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Medium - N/A

REPORT NUMBER: P940072

CATALOG NUMBER: GALN-SB3A-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P940072

CATALOG NUMBER: GALN-SB3A-722-U-SL4

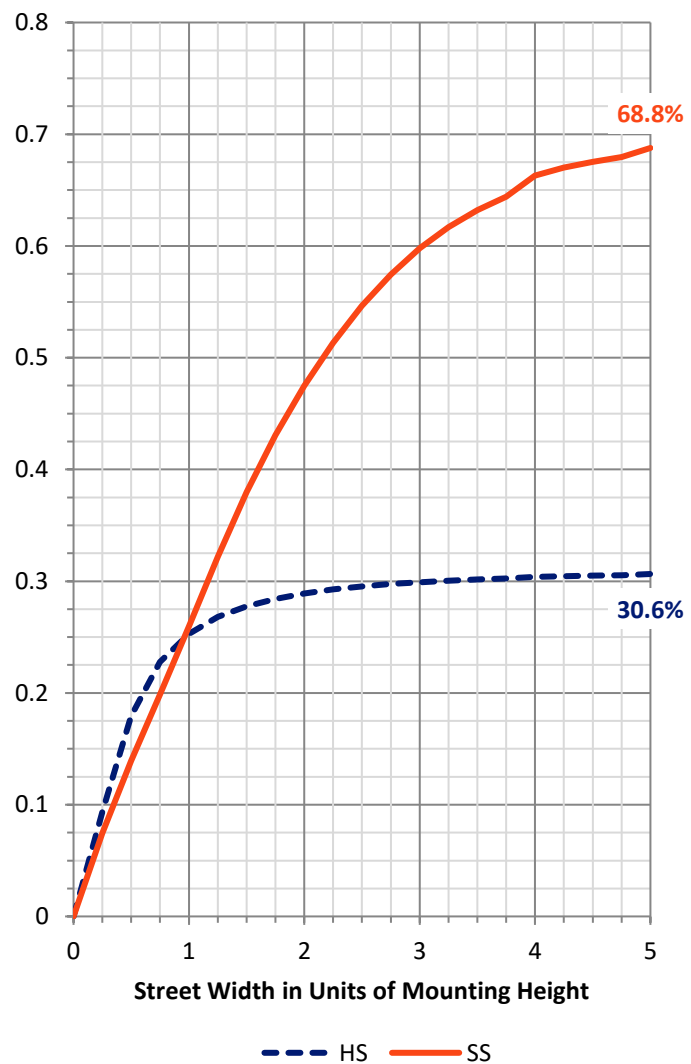
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3414.7	0.0	3414.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7606.3	0.0	7606.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	11021.0	0.0	11021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	1.1
10°-20°	422.4	3.8
20°-30°	771.2	7.0
30°-40°	1093.8	9.9
40°-50°	1476.9	13.4
50°-60°	1986.9	18.0
60°-70°	2521.8	22.9
70°-80°	2288.7	20.8
80°-90°	333.6	3.0
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°	11021.0	100.0
0°-180°	11021.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940072

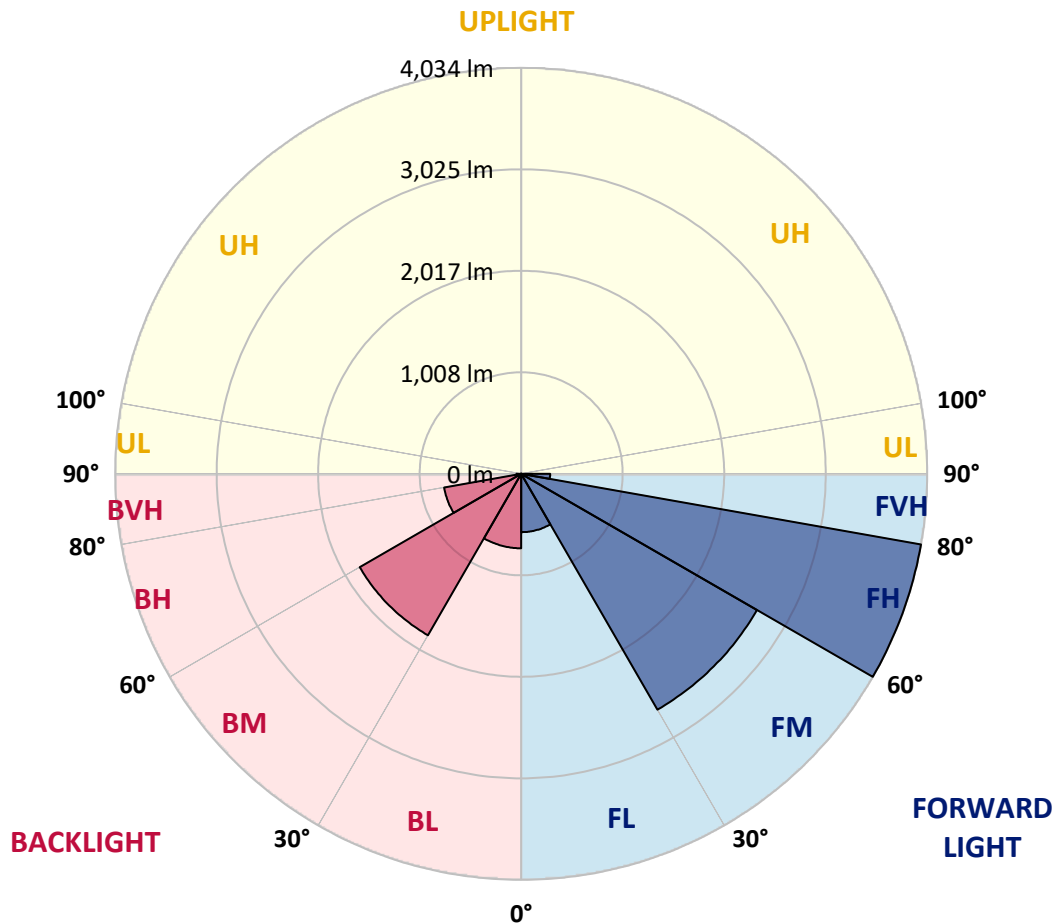
CATALOG NUMBER: GALN-SB3A-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	579.7	5.3			
FM	(30°-60°)	2705.4	24.5			
FH	(60°-80°)	4033.5	36.6			G2/5000
FVH	(80°-90°)	287.7	2.6			G3/500
BL	(0°-30°)	739.6	6.7	B2/1000		
BM	(30°-60°)	1852.2	16.8	B2/2500		
BH	(60°-80°)	776.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	45.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



REPORT NUMBER: P940072

CATALOG NUMBER: GALN-SB3A-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3
2.5°	1241.0	1248.0	1246.2	1243.9	1243.9	1244.5	1243.9	1248.0	1252.1	1256.2	1262.6
5°	1253.8	1260.9	1257.3	1254.4	1252.1	1251.5	1249.7	1249.2	1251.5	1256.8	1265.5
7.5°	1279.0	1286.0	1280.7	1275.5	1270.8	1268.4	1266.1	1262.6	1260.9	1263.8	1276.0
10°	1307.0	1314.0	1307.6	1298.3	1290.7	1287.7	1285.4	1281.9	1279.6	1281.3	1294.8
12.5°	1335.1	1342.1	1333.3	1320.5	1310.5	1308.8	1305.9	1304.7	1304.1	1303.5	1317.0
15°	1361.4	1367.2	1356.1	1340.9	1330.4	1327.5	1324.6	1326.3	1329.2	1332.7	1347.9
17.5°	1381.9	1387.7	1371.3	1351.5	1341.5	1340.3	1338.6	1344.4	1352.6	1361.4	1380.1
20°	1400.6	1406.4	1385.4	1358.5	1346.8	1346.8	1347.4	1359.6	1371.3	1384.2	1409.9
22.5°	1426.9	1431.5	1405.8	1369.0	1352.0	1353.2	1357.9	1370.2	1384.8	1402.3	1438.0
25°	1466.0	1469.5	1438.0	1388.9	1369.6	1373.1	1377.2	1383.0	1397.0	1417.5	1465.4
27.5°	1529.2	1532.1	1490.6	1423.9	1394.7	1400.6	1406.4	1402.3	1408.7	1426.3	1487.7
30°	1618.0	1619.8	1567.1	1478.9	1437.4	1440.3	1441.5	1424.5	1412.2	1426.3	1503.4
32.5°	1723.2	1722.6	1660.1	1545.5	1485.9	1483.0	1473.0	1439.7	1411.1	1423.4	1517.5
35°	1886.3	1879.9	1799.2	1639.0	1540.8	1522.7	1499.3	1456.7	1416.9	1420.4	1529.7
37.5°	2156.4	2136.5	2024.8	1792.2	1622.7	1576.5	1542.0	1484.1	1429.8	1419.3	1544.4
40°	2460.9	2435.8	2313.0	2002.0	1745.4	1671.2	1615.7	1523.3	1450.8	1424.5	1566.0
42.5°	2822.2	2786.5	2654.4	2249.3	1900.9	1793.4	1709.8	1573.0	1481.8	1441.5	1595.2
45°	3265.8	3218.5	3031.4	2528.1	2096.7	1953.5	1841.9	1648.4	1529.2	1474.2	1639.0
47.5°	3714.2	3725.9	3459.9	2847.3	2331.7	2151.1	2007.3	1761.8	1598.1	1526.8	1709.8
50°	4190.6	4198.7	3886.0	3200.9	2598.3	2374.4	2193.2	1888.6	1694.0	1601.6	1815.6
52.5°	4562.3	4563.5	4273.0	3570.9	2875.9	2619.9	2393.7	2033.6	1805.1	1701.0	1956.5
55°	4795.0	4792.1	4544.2	3921.1	3195.1	2877.7	2615.8	2198.5	1940.7	1817.9	2133.6
57.5°	4963.9	4955.1	4731.3	4222.1	3535.3	3182.2	2867.2	2385.5	2100.8	1957.0	2366.8
60°	5028.2	5022.9	4858.1	4482.2	3893.0	3518.9	3157.1	2594.8	2282.6	2121.3	2666.7
62.5°	5052.8	5062.7	4982.6	4734.2	4275.9	3891.9	3475.7	2845.0	2487.2	2307.2	2982.9
65°	5139.3	5157.4	5141.0	5063.9	4708.5	4328.5	3898.3	3142.5	2710.5	2506.5	3313.2
67.5°	5310.5	5328.7	5335.7	5458.4	5236.9	4872.7	4425.5	3513.1	2971.8	2713.4	3561.6
70°	5306.4	5301.2	5425.1	5772.3	5898.6	5626.2	5136.3	3969.0	3283.4	2885.3	3593.2
72.5°	4830.0	4788.0	5080.8	5768.8	6449.2	6413.0	6004.4	4557.1	3552.2	2906.3	3117.9
75°	3623.6	3511.3	4028.6	5198.9	6541.0	6859.6	6556.2	4921.8	3488.5	2567.9	2169.8
77.5°	1549.6	1436.8	2046.5	3848.6	5854.2	6412.4	6050.0	4294.0	2784.7	1698.1	1065.6
80°	405.7	405.1	618.4	1744.8	3981.3	4735.4	4154.3	2773.1	1591.1	606.8	294.0
82.5°	167.8	163.7	227.4	678.6	1945.3	2657.3	2168.6	1236.9	574.6	164.3	97.6
85°	62.5	62.0	110.5	234.4	686.2	1096.0	793.2	316.2	143.2	80.1	43.8
87.5°	17.5	17.0	24.0	81.3	167.2	253.7	135.6	52.0	40.3	31.6	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940072

CATALOG NUMBER: GALN-SB3A-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3	1260.3
2.5°	1264.4	1267.3	1272.5	1276.6	1281.9	1287.7	1295.9	1301.2	1306.4	1310.0	1307.6
5°	1269.6	1276.0	1289.5	1302.9	1318.7	1333.3	1350.3	1362.6	1372.5	1375.4	1376.6
7.5°	1281.3	1291.8	1314.6	1337.4	1362.6	1386.5	1411.1	1432.1	1449.1	1455.5	1456.1
10°	1301.8	1315.8	1347.9	1380.1	1413.4	1450.2	1481.8	1512.2	1536.2	1546.1	1546.7
12.5°	1327.5	1345.0	1387.1	1431.5	1477.7	1528.6	1569.5	1606.9	1636.7	1650.2	1650.2
15°	1360.8	1383.6	1437.4	1497.0	1564.8	1635.5	1687.6	1729.1	1762.4	1778.8	1777.6
17.5°	1397.0	1427.4	1495.3	1585.3	1682.3	1775.2	1836.0	1866.4	1900.9	1916.7	1916.1
20°	1432.1	1469.5	1566.6	1697.5	1826.7	1925.5	1974.6	1982.8	1985.1	1986.8	1991.5
22.5°	1468.4	1518.6	1656.0	1839.0	1977.5	2045.9	2052.9	2017.8	1968.7	1945.9	1952.4
25°	1508.1	1574.7	1772.9	1995.0	2107.3	2115.4	2061.7	1976.3	1883.4	1840.7	1847.1
27.5°	1546.7	1639.6	1913.2	2144.1	2200.8	2128.9	2013.2	1892.2	1779.9	1734.9	1740.2
30°	1585.3	1713.9	2068.1	2274.4	2243.5	2095.6	1936.6	1801.5	1688.7	1641.4	1646.6
32.5°	1624.4	1800.4	2246.4	2368.6	2235.9	2024.8	1841.3	1699.8	1600.5	1550.8	1557.2
35°	1668.9	1906.8	2415.3	2420.0	2185.0	1920.8	1715.6	1578.3	1491.7	1452.0	1460.8
37.5°	1726.7	2041.8	2564.4	2432.9	2096.2	1768.2	1559.5	1434.5	1363.1	1345.0	1357.9
40°	1798.6	2204.3	2678.4	2412.4	1964.6	1582.9	1388.9	1288.9	1248.6	1252.7	1266.7
42.5°	1892.2	2386.1	2758.4	2359.8	1781.7	1391.8	1239.2	1194.8	1214.1	1230.5	1245.7
45°	2013.7	2574.9	2808.1	2270.3	1574.7	1229.9	1151.0	1161.5	1176.1	1177.8	1189.5
47.5°	2169.2	2766.0	2840.9	2135.3	1363.7	1115.9	1094.8	1097.2	1094.3	1082.0	1091.3
50°	2363.3	2951.9	2870.1	1956.5	1184.3	1044.6	1016.5	1008.3	968.0	928.2	933.5
52.5°	2584.2	3122.6	2882.4	1734.3	1044.6	984.9	939.4	887.9	812.5	800.2	804.3
55°	2829.8	3280.4	2850.8	1461.3	927.1	908.4	839.4	777.4	769.3	758.7	760.5
57.5°	3123.2	3450.5	2786.5	1156.8	806.7	818.9	751.7	758.7	744.1	727.8	724.8
60°	3444.1	3626.5	2673.7	879.1	682.2	707.3	728.9	728.3	724.2	710.8	706.1
62.5°	3732.9	3742.2	2451.6	673.4	572.8	620.8	679.8	679.2	675.7	668.1	665.2
65°	3904.7	3724.7	2081.0	530.2	482.8	549.5	613.2	617.9	618.4	617.9	617.9
67.5°	3874.3	3519.5	1572.4	422.0	408.6	477.0	547.1	553.6	558.2	559.4	560.6
70°	3530.6	3068.8	1025.3	336.7	342.5	413.3	484.6	491.0	495.1	499.8	502.1
72.5°	2752.0	2256.3	586.9	272.4	284.7	358.3	422.6	430.2	432.6	441.3	444.8
75°	1677.0	1326.9	316.8	214.5	233.8	306.3	361.2	370.0	374.1	384.6	385.8
77.5°	797.3	574.6	180.6	167.2	188.2	250.2	305.1	315.1	304.0	309.8	305.1
80°	269.5	213.4	114.0	127.4	143.8	195.2	244.3	254.3	230.9	229.7	227.4
82.5°	94.1	86.5	72.5	84.8	92.9	139.7	184.7	197.6	171.9	171.3	163.1
85°	36.8	35.1	40.3	46.2	55.5	85.9	121.6	128.0	105.8	85.3	84.2
87.5°	7.6	8.2	9.9	10.5	17.0	29.8	43.8	53.8	42.7	36.2	33.3
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)