

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: P947233

Luminaire Tested: **GALN-SB2C-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
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-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

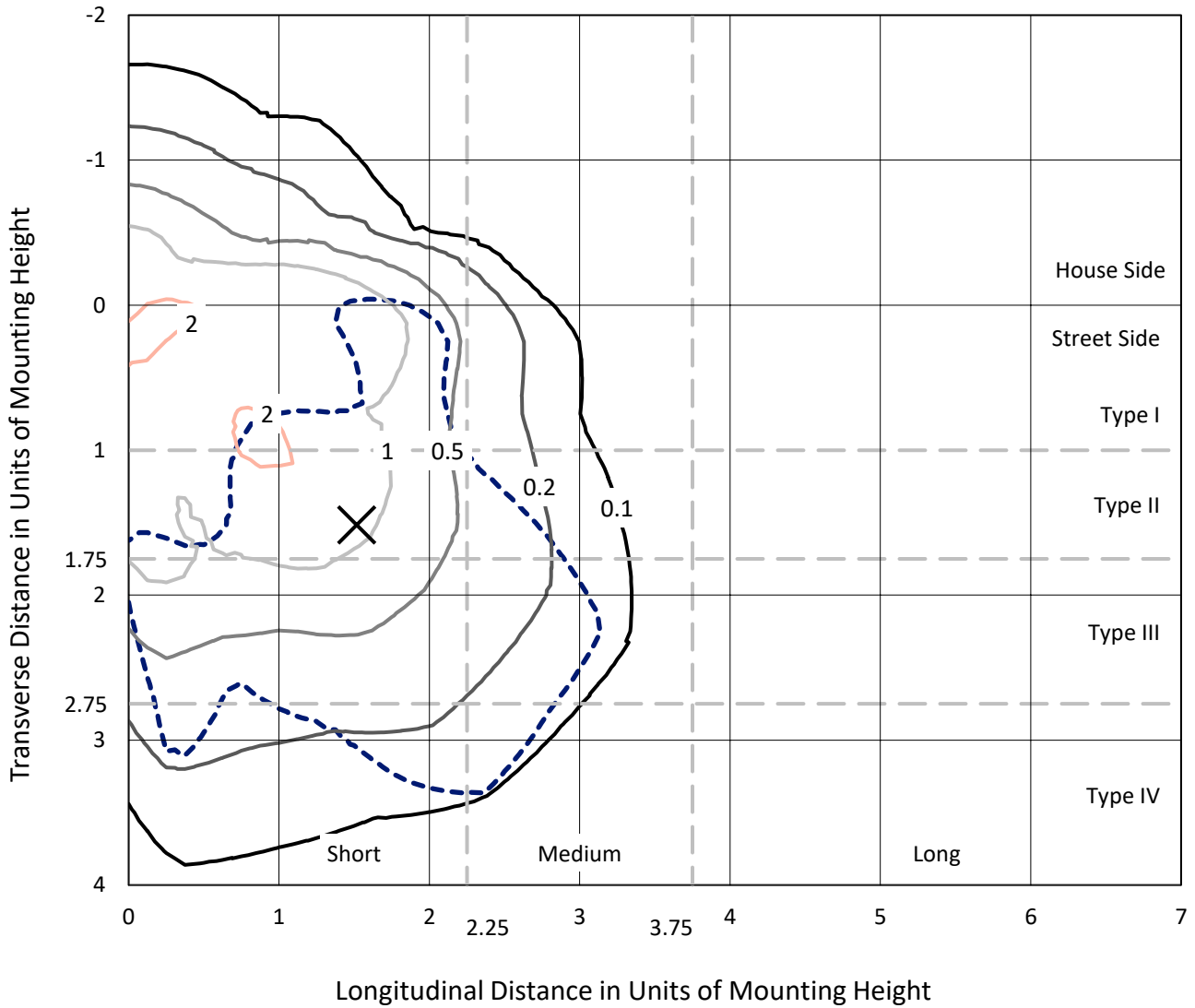
Lumens per Lamp: N/A  
Luminaire Lumens: 6958 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P947233  
 CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

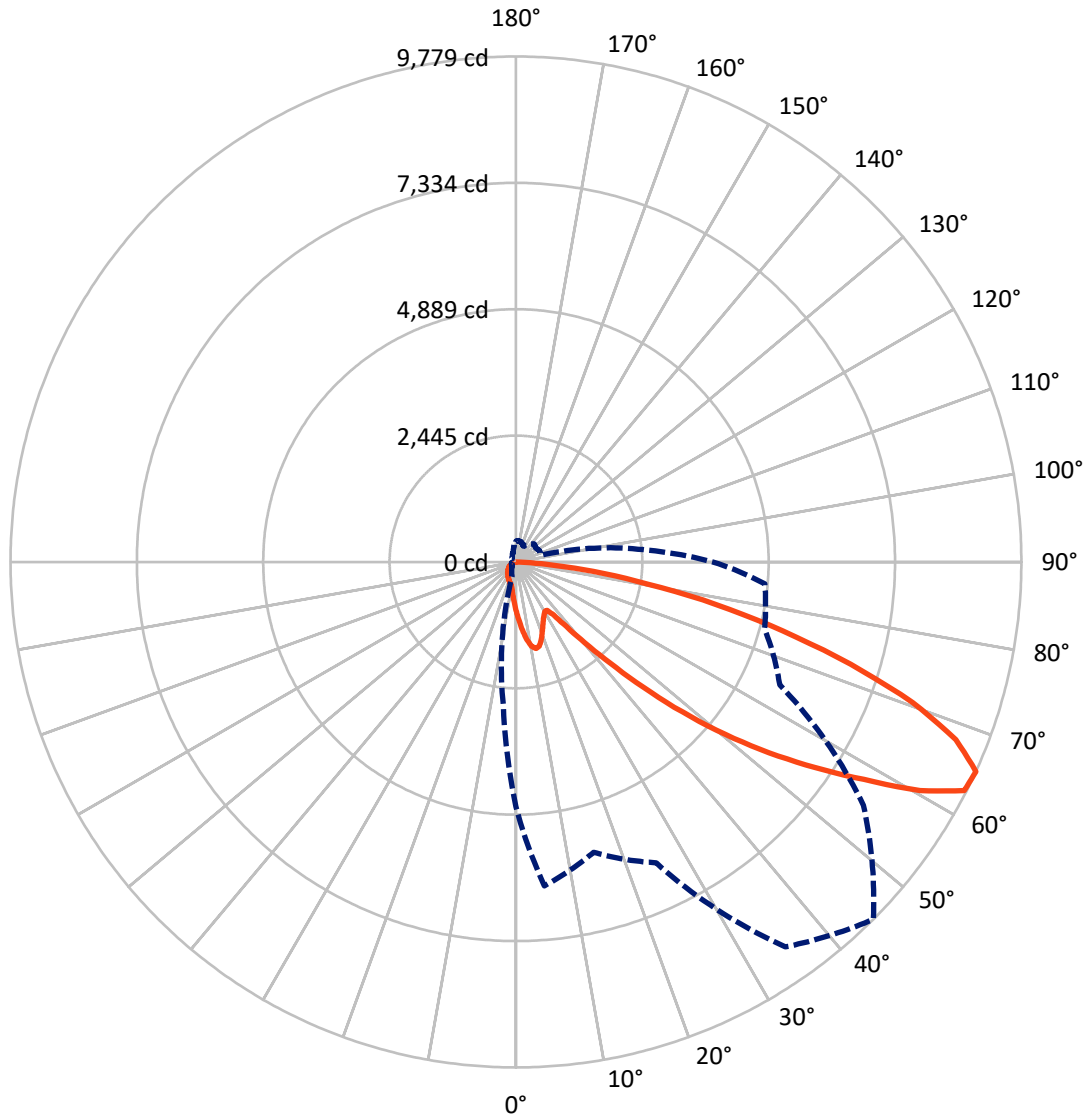
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P947233  
CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P947233  
 CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1383.0	0.0	1383.0
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	5575.0	0.0	5575.0
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	6958.0	0.0	6958.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.9	1.4
10°-20°	284.3	4.1
20°-30°	418.9	6.0
30°-40°	538.2	7.7
40°-50°	870.4	12.5
50°-60°	1526.3	21.9
60°-70°	1909.8	27.4
70°-80°	1116.0	16.0
80°-90°	199.1	2.9
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°	6958.0	100.0
0°-180°	6958.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P947233

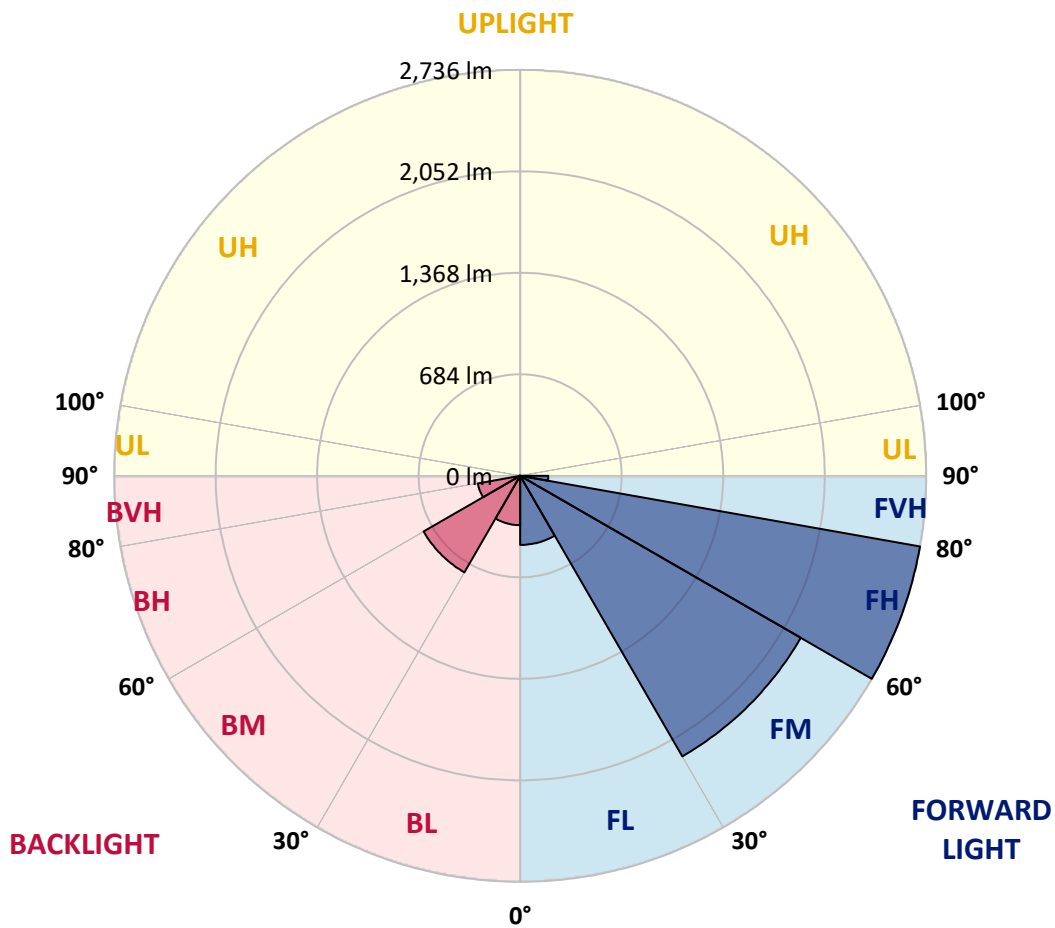
CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.6	6.7			
FM (30°-60°)	2183.5	31.4			
FH (60°-80°)	2736.1	39.3			G2/5000
FVH (80°-90°)	189.8	2.7			G2/225
BL (0°-30°)	332.5	4.8	B1/500		
BM (30°-60°)	751.4	10.8	B1/1000		
BH (60°-80°)	289.8	4.2	B1/500		G1/500
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



REPORT NUMBER: P947233

CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1079.5	1087.6	1105.8	1115.4	1130.3	1131.2	1131.2	1118.3	1117.8	1091.4
5°	1206.5	1225.7	1268.8	1313.4	1323.0	1325.4	1320.6	1294.7	1275.5	1224.2
7.5°	1332.5	1369.5	1435.1	1494.6	1513.7	1513.7	1502.2	1460.0	1420.7	1346.4
10°	1437.0	1483.5	1572.7	1639.3	1661.4	1656.6	1633.1	1579.9	1525.7	1435.6
12.5°	1506.1	1558.3	1656.1	1709.8	1732.3	1719.8	1693.0	1641.2	1584.2	1489.3
15°	1540.6	1595.2	1680.1	1708.3	1702.1	1689.2	1685.8	1660.9	1617.8	1529.1
17.5°	1555.4	1606.2	1665.2	1647.5	1594.7	1584.7	1618.2	1649.9	1639.3	1563.6
20°	1569.3	1612.0	1629.7	1551.1	1459.1	1450.0	1514.2	1604.3	1650.3	1595.7
22.5°	1588.5	1614.9	1578.4	1449.5	1350.3	1329.2	1400.1	1535.8	1653.7	1636.4
25°	1614.9	1622.1	1521.9	1353.2	1253.5	1232.4	1298.5	1459.6	1647.9	1680.5
27.5°	1646.5	1631.7	1467.7	1272.6	1176.3	1156.6	1222.8	1386.2	1631.7	1724.6
30°	1687.7	1644.1	1414.0	1210.3	1121.2	1106.8	1170.5	1323.0	1611.5	1780.7
32.5°	1729.4	1649.4	1364.2	1173.9	1108.7	1114.0	1166.2	1288.9	1589.5	1834.4
35°	1774.5	1666.2	1339.7	1209.8	1212.7	1258.7	1280.3	1320.6	1586.1	1907.3
37.5°	1835.8	1703.6	1369.0	1388.6	1488.3	1583.7	1566.0	1475.4	1624.9	2016.1
40°	1924.0	1769.2	1496.5	1693.0	1897.7	2052.5	1984.9	1756.8	1743.8	2172.8
42.5°	2052.5	1873.7	1722.7	2065.0	2412.0	2667.0	2485.8	2119.6	1951.8	2396.7
45°	2242.3	2042.9	1996.4	2457.5	3046.2	3447.8	3071.1	2506.4	2243.3	2735.6
47.5°	2505.5	2291.7	2252.9	2871.2	3816.9	4336.5	3720.1	2865.0	2575.0	3197.6
50°	2854.9	2626.7	2495.9	3323.7	4662.0	5242.5	4368.6	3211.1	2955.1	3762.3
52.5°	3316.0	3094.1	2779.2	3754.6	5531.0	6129.2	5020.1	3515.0	3426.8	4417.5
55°	3944.9	3797.3	3166.5	4165.9	6399.6	7021.3	5646.1	3801.6	4049.9	5196.0
57.5°	4725.3	4830.7	3724.9	4642.8	7180.4	7940.6	6275.0	4202.3	4859.0	6066.4
60°	5228.6	6205.0	4794.3	5347.9	8067.7	8980.3	7136.8	4964.5	5709.3	6378.5
62.5°	5106.8	6642.1	6075.1	6248.1	8883.5	9736.2	7981.4	5730.0	5869.4	5918.8
65°	4733.4	6289.3	5813.8	6423.1	9090.1	9778.9	8207.1	5631.2	4978.8	4832.2
67.5°	4219.6	5870.9	5193.1	5959.1	8716.7	9182.6	7786.8	4981.2	3847.6	3626.2
70°	3665.0	5407.8	4785.7	5438.5	8004.9	8143.4	7072.1	4381.1	2830.0	2448.9
72.5°	3138.7	4925.6	4506.7	4905.0	7055.3	6768.7	6141.7	3850.5	2060.7	1766.3
75°	2600.4	4214.3	4109.3	4271.3	5806.6	5331.6	5103.0	3188.0	1617.3	1277.9
77.5°	2006.5	3293.0	3534.6	3420.5	4087.3	3960.3	3955.5	2395.7	1181.6	852.7
80°	1373.3	2295.0	2761.4	2413.0	2652.6	2587.9	2979.1	1607.2	857.0	513.4
82.5°	807.2	1397.3	1922.1	1168.1	1466.8	1505.6	1774.0	781.8	504.3	118.4
85°	327.4	551.7	751.6	457.3	707.5	596.8	673.5	219.5	140.4	2.9
87.5°	82.4	176.4	123.7	51.3	82.0	75.3	59.4	26.8	5.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947233  
 CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
1088.6	2.5°	1069.9	1058.8	1031.5	1004.2	982.2	952.4	932.8	909.3	886.8	866.6
1213.2	5°	1183.0	1146.6	1096.7	1051.2	1004.7	959.6	915.0	868.1	824.9	798.6
1318.6	7.5°	1275.0	1210.8	1144.6	1086.6	1030.6	977.8	918.9	861.8	794.3	758.3
1399.2	10°	1343.6	1259.2	1172.4	1105.8	1049.3	998.0	948.1	890.6	809.1	764.1
1448.1	12.5°	1388.6	1288.4	1186.8	1110.6	1047.3	1007.6	985.5	963.0	882.0	829.2
1484.0	15°	1419.8	1309.1	1196.9	1099.6	1021.9	992.7	1014.7	1040.6	988.9	928.0
1521.4	17.5°	1453.8	1335.9	1201.2	1069.9	972.6	960.1	1017.1	1077.1	1074.7	1014.3
1556.9	20°	1489.8	1359.4	1198.3	1021.9	912.7	923.7	996.5	1066.0	1095.3	1062.7
1597.6	22.5°	1526.7	1381.9	1187.3	959.6	856.6	891.1	963.9	1024.8	1059.3	1049.3
1647.5	25°	1573.2	1413.6	1171.0	892.5	810.1	858.0	926.1	975.4	999.4	998.9
1701.2	27.5°	1628.8	1455.7	1162.4	838.4	777.0	820.6	881.0	925.1	941.9	941.9
1767.8	30°	1693.5	1505.6	1152.8	802.9	757.8	781.8	828.8	871.9	888.7	888.7
1840.6	32.5°	1765.4	1553.5	1129.8	781.3	743.4	743.9	773.6	812.9	833.1	836.0
1931.7	35°	1851.7	1604.8	1079.5	764.1	726.7	707.0	721.4	754.0	778.0	784.2
2061.6	37.5°	1964.8	1667.6	1007.6	738.7	700.8	668.2	671.5	696.5	722.8	732.4
2240.9	40°	2116.7	1741.4	932.8	702.2	664.4	625.5	624.1	642.3	668.2	678.7
2483.4	42.5°	2317.6	1830.1	861.4	667.2	620.3	580.5	578.1	592.5	615.0	626.0
2803.6	45°	2574.5	1938.9	800.0	639.9	577.1	537.8	536.9	548.8	568.5	580.0
3213.5	47.5°	2931.6	2047.7	758.3	625.5	543.1	502.8	504.7	515.3	533.0	541.2
3744.1	50°	3397.0	2080.8	737.2	625.5	524.9	471.7	481.3	489.9	503.3	508.1
4380.1	52.5°	3843.8	1971.5	718.0	629.4	527.3	445.3	465.9	472.1	483.6	485.6
4969.7	55°	4062.8	1694.9	691.7	630.3	542.1	422.8	453.4	465.0	469.3	468.8
5312.0	57.5°	3987.6	1370.4	647.1	626.5	552.2	408.4	438.1	460.2	463.0	458.7
5246.8	60°	3723.5	1009.0	613.1	598.2	548.4	404.1	414.6	449.6	453.9	448.2
4744.4	62.5°	3280.6	700.3	586.7	535.9	531.6	402.6	377.7	426.6	437.2	429.0
3813.6	65°	2582.6	494.7	505.2	469.7	495.2	395.0	339.4	398.8	413.2	400.7
2766.7	67.5°	1747.6	357.1	409.4	425.6	436.2	377.7	311.6	367.2	386.3	370.0
1775.5	70°	943.8	250.7	270.3	358.5	370.5	348.0	286.6	335.1	357.1	339.4
1262.1	72.5°	557.5	180.2	189.3	288.1	308.7	306.3	258.8	297.7	324.5	303.4
870.9	75°	307.3	121.8	135.2	209.0	250.7	236.3	222.4	252.1	279.5	258.8
546.0	77.5°	137.6	72.9	93.9	137.1	197.0	162.0	172.1	196.5	221.9	200.4
303.9	80°	53.2	40.7	62.3	74.8	143.3	89.6	110.7	144.8	163.0	145.7
66.1	82.5°	6.7	18.2	26.8	29.2	83.4	47.5	64.2	91.1	89.6	77.7
0.0	85°	0.0	3.4	3.8	1.9	36.0	17.3	21.1	29.7	27.8	21.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947233  
 CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
862.8	2.5°	839.3	822.1	813.4	806.2	812.9	816.8	816.8	833.1	842.7	846.5
781.8	5°	739.6	707.5	685.9	673.0	677.3	682.1	687.4	708.0	721.9	731.0
725.7	7.5°	661.0	612.1	581.9	566.1	568.5	571.8	576.2	596.3	610.2	622.2
715.2	10°	622.2	553.2	513.4	494.2	490.8	488.9	487.5	499.5	510.0	519.6
758.3	12.5°	624.1	527.7	479.3	455.8	445.8	434.3	425.2	427.1	433.8	445.8
835.5	15°	648.5	519.6	461.6	432.4	415.6	402.2	391.1	388.7	391.1	393.1
923.7	17.5°	681.6	518.6	446.3	409.8	392.6	381.5	371.5	368.1	368.6	371.0
982.2	20°	708.0	515.8	429.0	388.3	372.9	363.3	353.3	349.9	350.9	351.4
987.9	22.5°	721.9	511.4	409.8	366.7	353.7	344.2	335.1	334.6	334.6	337.5
956.7	25°	721.9	502.3	392.6	346.1	334.6	325.9	314.9	316.8	317.8	321.6
908.3	27.5°	704.6	485.1	378.7	328.3	316.4	307.7	297.7	300.1	301.5	305.8
860.4	30°	682.6	464.5	362.9	311.6	297.7	291.4	282.8	283.8	285.7	290.5
815.8	32.5°	659.1	440.0	349.9	294.8	280.9	276.1	266.5	267.9	269.9	275.1
771.7	35°	633.2	411.3	334.6	279.5	265.6	261.7	250.7	251.7	254.5	260.3
724.3	37.5°	605.9	387.8	319.2	264.6	250.2	246.4	234.9	235.8	239.2	245.9
674.4	40°	579.0	364.8	302.9	248.8	234.4	231.0	218.6	219.5	223.4	230.6
624.1	42.5°	549.8	347.0	281.8	232.5	217.1	213.8	202.3	203.7	208.0	215.2
577.6	45°	514.8	335.5	258.4	217.1	199.9	196.5	186.0	188.9	193.7	200.8
537.8	47.5°	478.9	330.7	238.7	200.8	182.1	179.3	170.6	175.4	180.7	186.5
503.8	50°	444.3	324.5	218.6	185.5	166.8	163.9	158.2	164.4	169.7	175.0
479.3	52.5°	405.0	311.1	200.4	172.1	153.9	152.9	150.0	155.8	160.6	165.4
458.2	55°	364.3	289.5	184.5	160.1	142.8	143.8	142.4	147.2	151.0	155.3
439.1	57.5°	328.8	262.2	172.1	147.2	133.3	136.1	134.2	136.6	139.0	144.3
416.1	60°	292.9	229.6	158.2	131.8	123.7	127.0	121.8	121.3	122.2	123.7
382.0	62.5°	244.5	195.6	140.9	118.4	113.1	114.6	104.5	96.8	96.8	98.3
334.6	65°	196.5	163.9	121.8	103.1	98.7	97.8	83.4	72.9	71.9	76.2
279.5	67.5°	161.5	136.1	102.6	85.8	82.9	83.9	73.3	62.8	61.8	66.6
227.7	70°	133.7	109.8	82.0	66.1	69.0	73.3	62.8	52.7	51.3	55.6
185.0	72.5°	106.4	85.8	62.8	48.9	57.0	62.3	51.3	41.7	40.7	44.6
142.8	75°	78.1	61.4	42.7	35.5	44.1	48.9	37.4	29.7	28.3	31.6
95.4	77.5°	48.4	34.5	26.8	21.1	30.2	32.6	19.7	17.3	16.8	19.2
58.0	80°	22.5	14.9	12.9	7.2	11.0	12.9	8.1	9.1	9.6	11.5
29.2	82.5°	6.2	2.4	0.5	0.0	0.0	3.8	1.9	3.8	4.8	7.2
2.4	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.4	4.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947233  
 CATALOG NUMBER: GALN-SB2C-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
963.5	0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
873.3	2.5°	893.5	912.7	943.3	975.0	1006.1	1037.8	1068.4	1079.5
772.7	5°	810.6	854.7	915.5	980.7	1047.8	1115.9	1178.2	1206.5
668.7	7.5°	718.0	781.3	872.9	975.0	1081.9	1188.7	1287.0	1332.5
565.6	10°	619.3	699.3	803.8	941.9	1095.3	1242.9	1378.1	1437.0
475.0	12.5°	525.3	609.2	724.8	890.1	1084.7	1274.1	1436.6	1506.1
411.3	15°	446.7	521.0	645.7	828.8	1050.7	1276.0	1464.4	1540.6
375.8	17.5°	387.8	436.2	565.1	760.7	1006.1	1258.3	1474.0	1555.4
356.6	20°	358.5	372.0	460.6	673.5	964.4	1241.5	1483.5	1569.3
341.3	22.5°	341.3	344.6	376.8	560.8	914.6	1236.2	1500.3	1588.5
327.4	25°	327.4	328.3	337.0	444.3	838.4	1232.8	1526.2	1614.9
313.0	27.5°	313.5	313.5	318.3	358.1	734.8	1218.5	1559.8	1646.5
298.6	30°	299.6	299.6	302.9	316.8	613.5	1190.2	1600.0	1687.7
284.2	32.5°	285.2	285.2	288.1	298.1	489.9	1154.7	1636.9	1729.4
269.4	35°	270.8	269.9	273.7	284.2	389.7	1109.7	1673.8	1774.5
254.5	37.5°	255.5	255.0	258.8	270.8	336.5	1057.4	1701.6	1835.8
239.7	40°	239.2	239.2	243.5	256.4	321.2	991.7	1745.7	1924.0
224.3	42.5°	224.3	223.4	228.2	244.0	309.6	928.9	1824.8	2052.5
210.4	45°	209.9	208.0	212.3	232.0	289.5	906.9	1972.5	2242.3
197.0	47.5°	196.5	191.7	195.6	217.6	271.3	989.3	2214.0	2505.5
185.0	50°	185.5	176.4	179.8	203.2	257.4	1168.1	2527.5	2854.9
174.0	52.5°	174.0	162.0	163.9	185.5	244.9	1338.3	2867.4	3316.0
163.0	55°	162.0	148.6	149.6	167.8	227.2	1363.7	3199.1	3944.9
150.5	57.5°	148.6	136.1	136.1	151.5	214.3	1182.0	3454.1	4725.3
135.2	60°	133.7	125.6	123.2	138.5	225.8	834.0	3483.8	5228.6
115.5	62.5°	117.4	113.1	109.8	126.1	234.4	494.2	3244.6	5106.8
91.1	65°	98.7	97.8	95.4	138.5	197.5	291.9	2785.4	4733.4
77.7	67.5°	82.9	81.5	81.5	145.2	150.0	183.6	2176.2	4219.6
66.1	70°	71.4	66.1	66.1	109.8	91.1	127.0	1519.5	3665.0
54.6	72.5°	59.9	54.2	50.3	87.7	68.1	93.0	949.6	3138.7
41.7	75°	47.9	43.6	38.8	58.0	50.8	70.5	551.7	2600.4
26.4	77.5°	34.5	32.6	27.3	42.7	36.9	50.8	328.3	2006.5
16.3	80°	17.7	18.2	17.3	24.4	24.9	34.5	186.9	1373.3
10.5	82.5°	10.5	8.1	9.1	12.0	14.4	19.7	70.5	807.2
7.7	85°	6.7	4.3	4.3	5.8	7.2	7.7	21.6	327.4
3.8	87.5°	3.4	1.4	1.9	2.9	2.4	1.9	1.0	82.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)