

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: P957231

Luminaire Tested: **GALN-SB9C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957231
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-SB9C-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31689 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

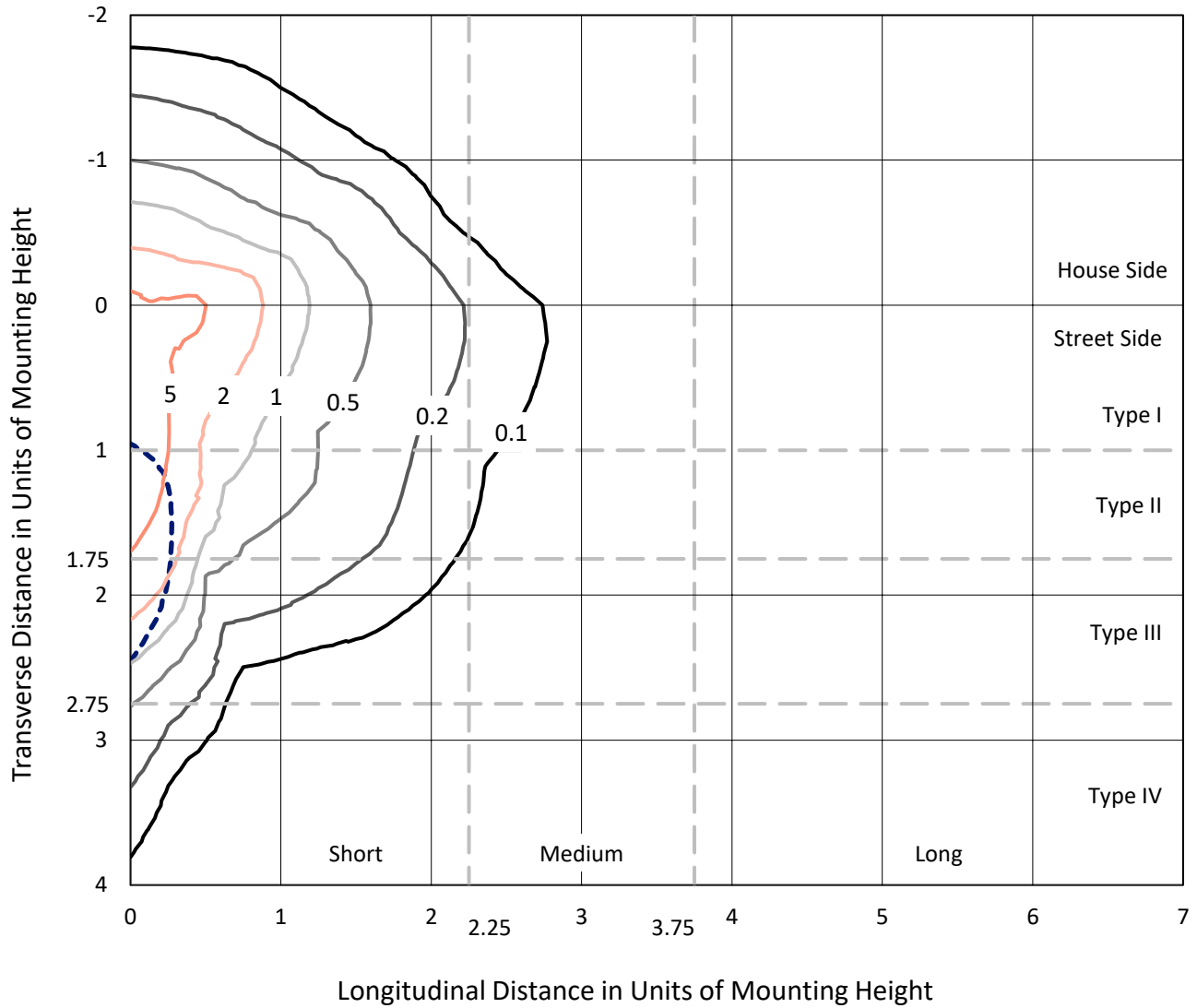
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

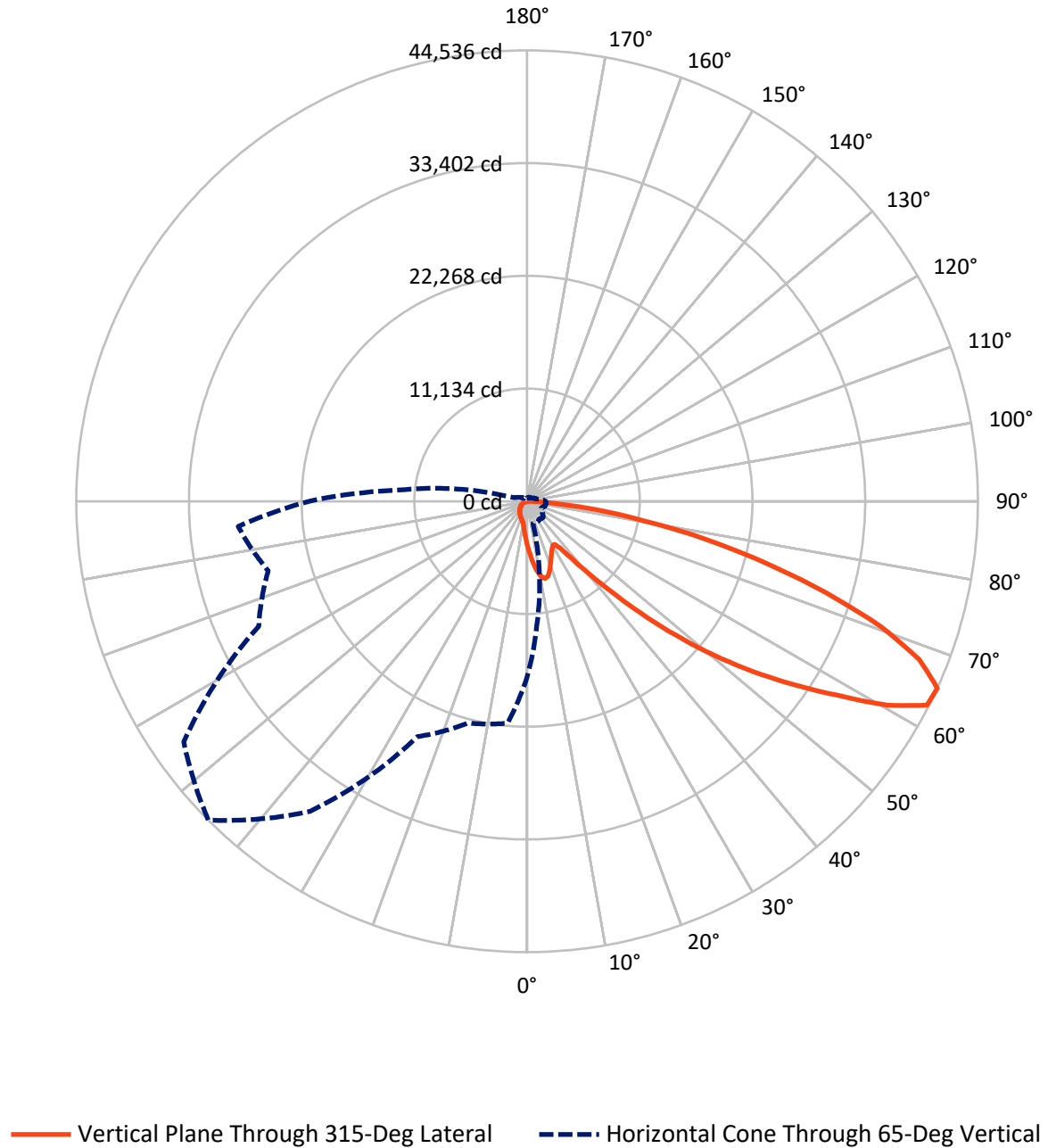
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P957231
CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4437.8	0.0	4437.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	27251.2	0.0	27251.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	31689.0	0.0	31689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	1.4
10°-20°	1295.0	4.1
20°-30°	1907.8	6.0
30°-40°	2451.0	7.7
40°-50°	3964.1	12.5
50°-60°	6951.4	21.9
60°-70°	8698.1	27.4
70°-80°	5082.7	16.0
80°-90°	906.8	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°	31689.0	100.0
0°-180°	31689.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957231

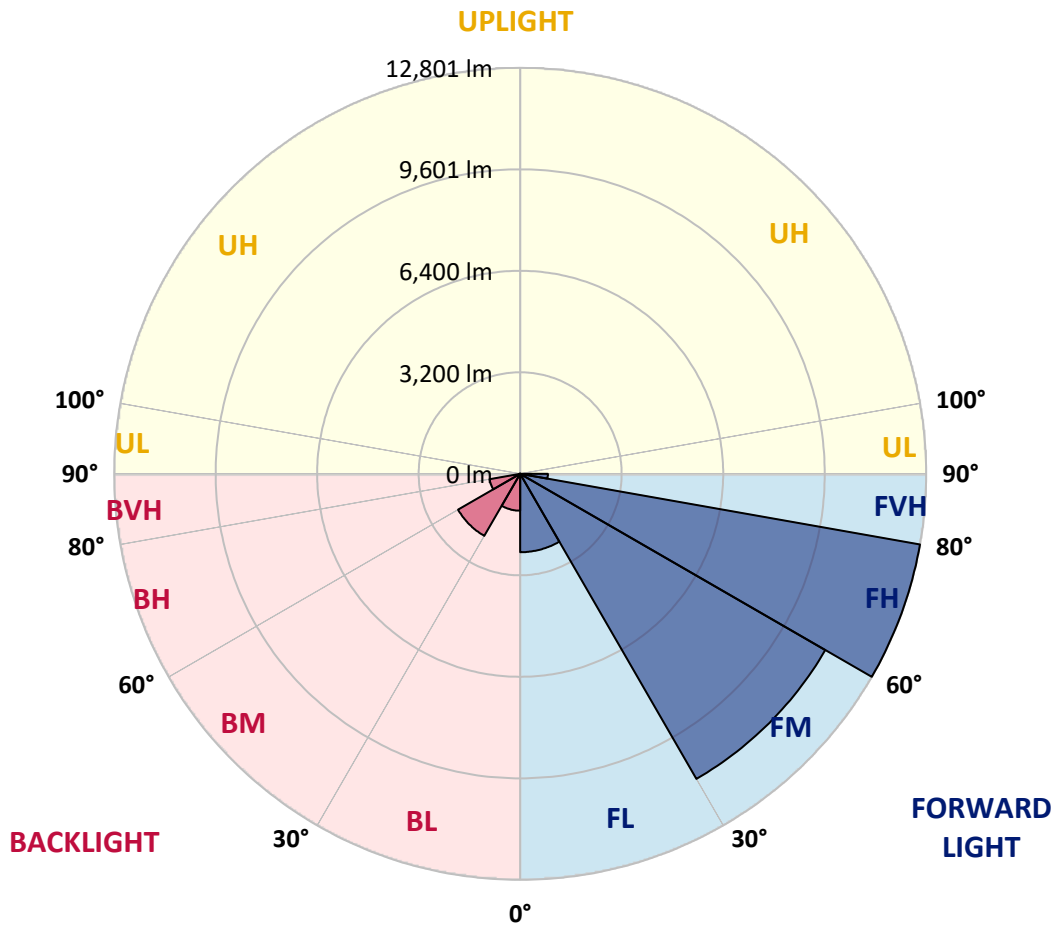
CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2471.6	7.8			
FM (30°-60°)	11106.6	35.0			
FH (60°-80°)	12800.9	40.4			G5
FVH (80°-90°)	872.0	2.8			G5
BL (0°-30°)	1163.2	3.7	B3/2500		
BM (30°-60°)	2259.8	7.1	B2/2500		
BH (60°-80°)	979.9	3.1	B2/1000		G2/1000
BVH (80°-90°)	34.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
2.5°	4957.7	4872.5	4822.3	4697.9	4573.5	4473.1	4337.7	4248.2	4141.2	4038.6
5°	5525.3	5387.7	5221.8	4994.8	4787.4	4575.7	4370.4	4167.4	3953.5	3757.0
7.5°	6005.5	5806.9	5514.4	5213.1	4949.0	4693.5	4453.4	4184.9	3925.1	3617.3
10°	6372.3	6119.1	5734.8	5339.7	5036.3	4778.7	4545.1	4318.1	4056.1	3685.0
12.5°	6595.0	6324.3	5868.0	5405.2	5058.1	4769.9	4588.8	4488.3	4385.7	4016.8
15°	6758.7	6466.2	5961.9	5451.1	5007.9	4654.2	4521.1	4621.5	4739.4	4503.6
17.5°	6929.0	6621.2	6084.1	5470.7	4872.5	4429.4	4372.6	4632.4	4905.3	4894.4
20°	7090.5	6784.9	6191.1	5457.6	4654.2	4156.5	4206.7	4538.5	4855.1	4988.2
22.5°	7276.1	6953.0	6293.7	5407.4	4370.4	3901.1	4058.3	4390.1	4667.3	4824.5
25°	7503.1	7164.7	6437.8	5333.2	4064.8	3689.3	3907.6	4217.6	4442.5	4551.6
27.5°	7747.6	7418.0	6629.9	5293.9	3818.1	3538.7	3737.4	4012.4	4213.3	4289.7
30°	8051.1	7712.7	6856.9	5250.2	3656.6	3451.4	3560.5	3774.5	3971.0	4047.4
32.5°	8382.9	8040.1	7075.2	5145.4	3558.4	3385.9	3388.1	3523.4	3702.4	3794.1
35°	8797.7	8433.1	7308.8	4916.2	3479.8	3309.5	3220.0	3285.5	3433.9	3543.1
37.5°	9389.3	8948.3	7594.8	4588.8	3364.1	3191.6	3043.2	3058.4	3172.0	3292.0
40°	10205.7	9640.3	7931.0	4248.2	3198.2	3025.7	2848.9	2842.3	2925.3	3043.2
42.5°	11310.3	10555.0	8334.9	3922.9	3038.8	2824.9	2643.7	2632.7	2698.2	2800.8
45°	12768.6	11725.1	8830.4	3643.5	2914.4	2628.4	2449.4	2445.0	2499.6	2589.1
47.5°	14635.1	13351.5	9326.0	3453.6	2848.9	2473.4	2290.0	2298.7	2346.8	2427.5
50°	17051.7	15471.2	9476.6	3357.5	2848.9	2390.4	2148.1	2191.8	2231.1	2292.2
52.5°	19948.6	17505.8	8978.8	3270.2	2866.3	2401.3	2028.0	2121.9	2150.3	2202.7
55°	22633.8	18503.5	7719.2	3150.1	2870.7	2469.0	1925.4	2065.2	2117.5	2137.2
57.5°	24192.5	18160.7	6241.3	2947.1	2853.2	2514.9	1860.0	1995.3	2095.7	2108.8
60°	23895.6	16957.9	4595.3	2792.1	2724.4	2497.4	1840.3	1888.3	2047.7	2067.3
62.5°	21607.7	14940.7	3189.4	2672.0	2440.6	2421.0	1833.8	1720.2	1942.9	1990.9
65°	17368.3	11762.2	2252.9	2300.9	2139.4	2255.1	1798.8	1545.6	1816.3	1881.8
67.5°	12600.5	7959.4	1626.4	1864.3	1938.5	1986.6	1720.2	1419.0	1672.2	1759.5
70°	8086.0	4298.4	1141.7	1231.2	1632.9	1687.5	1584.9	1305.5	1525.9	1626.4
72.5°	5747.9	2538.9	820.8	862.3	1312.0	1405.9	1395.0	1178.8	1355.7	1477.9
75°	3966.6	1399.3	554.5	615.6	951.8	1141.7	1076.2	1012.9	1148.3	1272.7
77.5°	2486.5	626.5	331.8	427.9	624.3	897.2	737.9	783.7	895.0	1010.7
80°	1384.0	242.3	185.6	283.8	340.6	652.7	408.2	504.3	659.3	742.2
82.5°	301.3	30.6	83.0	122.3	133.2	379.8	216.1	292.5	414.8	408.2
85°	0.0	0.0	15.3	17.5	8.7	163.7	78.6	96.1	135.3	126.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
3946.9	2.5°	3929.5	3822.5	3743.9	3704.6	3671.9	3702.4	3719.9	3719.9	3794.1	3837.8
3636.9	5°	3560.5	3368.4	3222.2	3123.9	3065.0	3084.6	3106.5	3130.5	3224.4	3287.7
3453.6	7.5°	3305.1	3010.4	2787.7	2650.2	2578.2	2589.1	2604.4	2624.0	2715.7	2779.0
3479.8	10°	3257.1	2833.6	2519.2	2338.0	2250.7	2235.4	2226.7	2220.2	2274.7	2322.8
3776.7	12.5°	3453.6	2842.3	2403.5	2183.0	2076.1	2030.2	1977.8	1936.4	1945.1	1975.7
4226.4	15°	3805.0	2953.7	2366.4	2102.3	1969.1	1892.7	1831.6	1781.4	1770.4	1781.4
4619.3	17.5°	4206.7	3104.3	2362.1	2032.4	1866.5	1787.9	1737.7	1691.9	1676.6	1678.8
4839.8	20°	4473.1	3224.4	2349.0	1953.8	1768.3	1698.4	1654.7	1608.9	1593.6	1598.0
4778.7	22.5°	4499.2	3287.7	2329.3	1866.5	1670.0	1611.1	1567.4	1525.9	1523.8	1523.8
4549.5	25°	4357.3	3287.7	2287.8	1787.9	1576.2	1523.8	1484.5	1434.3	1443.0	1447.4
4289.7	27.5°	4136.9	3209.1	2209.2	1724.6	1495.4	1440.8	1401.5	1355.7	1366.6	1373.1
4047.4	30°	3918.6	3108.7	2115.4	1652.6	1419.0	1355.7	1327.3	1288.0	1292.4	1301.1
3807.2	32.5°	3715.5	3001.7	2004.0	1593.6	1342.6	1279.3	1257.4	1213.8	1220.3	1229.1
3571.5	35°	3514.7	2883.8	1873.0	1523.8	1272.7	1209.4	1191.9	1141.7	1146.1	1159.2
3335.7	37.5°	3298.6	2759.4	1766.1	1453.9	1205.0	1139.5	1122.1	1069.7	1074.1	1089.3
3091.2	40°	3071.5	2637.1	1661.3	1379.7	1133.0	1067.5	1052.2	995.5	999.8	1017.3
2851.1	42.5°	2842.3	2503.9	1580.5	1283.6	1058.8	988.9	973.6	921.2	927.8	947.4
2641.5	45°	2630.6	2344.6	1528.1	1176.7	988.9	910.3	895.0	847.0	860.1	881.9
2464.7	47.5°	2449.4	2180.9	1506.3	1087.2	914.7	829.6	816.5	777.2	799.0	823.0
2314.0	50°	2294.4	2023.7	1477.9	995.5	844.8	759.7	746.6	720.4	748.8	772.8
2211.4	52.5°	2183.0	1844.7	1416.8	912.5	783.7	700.8	696.4	683.3	709.5	731.3
2135.0	55°	2087.0	1659.1	1318.6	840.5	729.1	650.5	654.9	648.4	670.2	687.7
2089.2	57.5°	1999.7	1497.6	1194.1	783.7	670.2	606.9	620.0	611.3	622.2	633.1
2041.1	60°	1894.9	1333.8	1045.7	720.4	600.3	563.2	578.5	554.5	552.3	556.7
1953.8	62.5°	1739.9	1113.4	890.7	641.8	539.2	515.2	521.7	475.9	441.0	441.0
1825.0	65°	1523.8	895.0	746.6	554.5	469.4	449.7	445.3	379.8	331.8	327.5
1685.3	67.5°	1272.7	735.7	620.0	467.2	390.8	377.7	382.0	334.0	286.0	281.6
1545.6	70°	1036.9	609.1	499.9	373.3	301.3	314.4	334.0	286.0	240.1	233.6
1381.9	72.5°	842.7	484.6	390.8	286.0	222.7	259.8	283.8	233.6	189.9	185.6
1178.8	75°	650.5	355.8	279.4	194.3	161.5	200.8	222.7	170.3	135.3	128.8
912.5	77.5°	434.4	220.5	157.2	122.3	96.1	137.5	148.4	89.5	78.6	76.4
663.6	80°	264.1	102.6	67.7	58.9	32.7	50.2	58.9	37.1	41.5	43.7
353.7	82.5°	133.2	28.4	10.9	2.2	0.0	0.0	17.5	8.7	17.5	21.8
96.1	85°	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	10.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
3855.3	2.5°	3977.5	4069.2	4156.5	4296.2	4440.3	4582.2	4726.3	4866.0	4916.2	4953.3
3329.1	5°	3519.1	3691.5	3892.4	4169.6	4466.5	4772.1	5082.1	5365.9	5494.7	5582.0
2833.6	7.5°	3045.3	3270.2	3558.4	3975.3	4440.3	4927.1	5413.9	5861.5	6068.9	6236.9
2366.4	10°	2576.0	2820.5	3185.1	3661.0	4289.7	4988.2	5660.6	6276.2	6544.8	6756.5
2030.2	12.5°	2163.4	2392.6	2774.6	3300.8	4053.9	4940.2	5802.5	6542.6	6859.1	7097.1
1790.1	15°	1873.0	2034.6	2373.0	2940.6	3774.5	4785.2	5811.3	6669.2	7016.3	7265.2
1689.7	17.5°	1711.5	1766.1	1986.6	2573.8	3464.5	4582.2	5730.5	6712.9	7084.0	7315.4
1600.2	20°	1624.2	1632.9	1694.0	2097.9	3067.2	4392.3	5654.1	6756.5	7147.3	7341.6
1536.9	22.5°	1554.3	1554.3	1569.6	1715.9	2554.2	4165.2	5630.1	6832.9	7234.6	7354.7
1464.8	25°	1491.0	1491.0	1495.4	1534.7	2023.7	3818.1	5614.8	6950.8	7354.7	7387.4
1392.8	27.5°	1425.5	1427.7	1427.7	1449.5	1630.7	3346.6	5549.3	7103.6	7498.7	7431.1
1322.9	30°	1360.0	1364.4	1364.4	1379.7	1443.0	2794.3	5420.5	7287.0	7686.5	7487.8
1253.1	32.5°	1294.5	1298.9	1298.9	1312.0	1357.9	2231.1	5258.9	7455.1	7876.4	7511.8
1185.4	35°	1226.9	1233.4	1229.1	1246.5	1294.5	1774.8	5053.7	7623.2	8081.6	7588.3
1119.9	37.5°	1159.2	1163.6	1161.4	1178.8	1233.4	1532.5	4815.8	7749.8	8361.0	7758.5
1050.0	40°	1091.5	1089.3	1089.3	1109.0	1167.9	1462.6	4516.7	7950.6	8762.7	8057.6
980.2	42.5°	1021.7	1021.7	1017.3	1039.1	1111.2	1410.2	4230.7	8310.8	9347.8	8533.5
914.7	45°	958.4	956.2	947.4	967.1	1056.6	1318.6	4130.3	8983.2	10212.3	9304.1
849.2	47.5°	897.2	895.0	873.2	890.7	991.1	1235.6	4505.8	10083.5	11410.8	10437.1
796.8	50°	842.7	844.8	803.4	818.6	925.6	1172.3	5320.1	11511.2	13002.2	11963.1
753.1	52.5°	792.4	792.4	737.9	746.6	844.8	1115.5	6095.1	13059.0	15102.3	14091.5
707.3	55°	742.2	737.9	676.7	681.1	764.1	1034.8	6210.8	14569.6	17966.4	17294.1
657.1	57.5°	685.5	676.7	620.0	620.0	689.8	975.8	5383.4	15731.0	21520.4	22000.7
563.2	60°	615.6	609.1	572.0	561.0	630.9	1028.2	3798.5	15866.3	23812.6	28259.5
447.5	62.5°	526.1	534.8	515.2	499.9	574.1	1067.5	2250.7	14777.0	23258.1	30250.4
347.1	65°	414.8	449.7	445.3	434.4	630.9	899.4	1329.5	12685.7	21557.5	28643.7
303.4	67.5°	353.7	377.7	371.1	371.1	661.5	683.3	836.1	9911.0	19217.3	26737.9
253.2	70°	301.3	325.3	301.3	301.3	499.9	414.8	578.5	6920.2	16691.5	24629.1
203.0	72.5°	248.9	272.9	246.7	229.2	399.5	310.0	423.5	4324.6	14294.6	22432.9
144.1	75°	189.9	218.3	198.7	176.8	264.1	231.4	320.9	2512.7	11843.0	19193.3
87.3	77.5°	120.1	157.2	148.4	124.4	194.3	168.1	231.4	1495.4	9138.2	14997.5
52.4	80°	74.2	80.8	83.0	78.6	111.3	113.5	157.2	851.4	6254.4	10452.4
32.7	82.5°	48.0	48.0	37.1	41.5	54.6	65.5	89.5	320.9	3676.2	6363.6
19.6	85°	34.9	30.6	19.6	19.6	26.2	32.7	34.9	98.2	1491.0	2512.7
8.7	87.5°	17.5	15.3	6.5	8.7	13.1	10.9	8.7	4.4	375.5	803.4
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: P957231
 CATALOG NUMBER: GALN-SB9C-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
5036.3	2.5°	5079.9	5147.6	5152.0	5152.0	5093.0	5090.9	4970.8	4957.7
5778.5	5°	5981.5	6025.2	6036.1	6014.3	5896.4	5809.1	5575.5	5525.3
6536.0	7.5°	6806.7	6894.0	6894.0	6841.7	6649.5	6470.5	6132.2	6005.5
7162.6	10°	7466.0	7566.4	7544.6	7437.6	7195.3	6948.6	6538.2	6372.3
7542.4	12.5°	7786.9	7889.5	7832.8	7710.5	7474.7	7215.0	6782.7	6595.0
7651.6	15°	7780.4	7752.0	7693.0	7677.8	7564.2	7367.8	6963.9	6758.7
7583.9	17.5°	7503.1	7263.0	7217.1	7369.9	7514.0	7466.0	7121.1	6929.0
7422.3	20°	7064.3	6645.2	6603.7	6896.2	7306.6	7516.2	7267.3	7090.5
7188.8	22.5°	6601.5	6149.6	6053.6	6376.7	6994.5	7531.5	7452.9	7276.1
6931.2	25°	6162.7	5708.7	5612.6	5913.9	6647.4	7505.3	7653.7	7503.1
6684.5	27.5°	5796.0	5357.2	5267.7	5568.9	6313.4	7431.1	7854.6	7747.6
6440.0	30°	5512.2	5106.1	5040.6	5331.0	6025.2	7339.4	8110.0	8051.1
6212.9	32.5°	5346.3	5049.4	5073.4	5311.3	5870.2	7239.0	8354.5	8382.9
6101.6	35°	5510.0	5523.1	5732.7	5830.9	6014.3	7223.7	8686.3	8797.7
6234.8	37.5°	6324.3	6778.3	7212.8	7132.0	6719.4	7400.5	9181.9	9389.3
6815.5	40°	7710.5	8642.7	9347.8	9040.0	8000.8	7941.9	9895.7	10205.7
7845.8	42.5°	9404.5	10985.1	12146.4	11321.3	9653.4	8889.3	10915.2	11310.3
9092.4	45°	11192.5	13873.2	15702.6	13986.7	11415.1	10216.6	12458.6	12768.6
10260.3	47.5°	13076.4	17383.6	19750.0	16942.6	13048.0	11727.3	14563.1	14635.1
11367.1	50°	15137.2	21232.3	23875.9	19896.2	14624.2	13458.4	17134.7	17051.7
12657.3	52.5°	17099.8	25190.1	27914.5	22863.0	16008.2	15606.6	20118.9	19948.6
14421.2	55°	18972.8	29145.8	31977.2	25714.0	17313.7	18444.5	23664.2	22633.8
16964.4	57.5°	21144.9	32702.0	36164.3	28578.2	19138.7	22129.5	27628.6	24192.5
21834.8	60°	24356.2	36742.8	40899.3	32503.3	22609.8	26002.2	29049.7	23895.6
27667.9	62.5°	28455.9	40458.3	44341.9	36349.8	26096.1	26731.3	26956.2	21607.7
26478.1	65°	29252.8	41399.2	44536.2	37378.0	25646.4	22675.2	22007.2	17368.3
23651.1	67.5°	27139.6	39698.6	41820.5	35463.5	22686.2	17523.3	16514.7	12600.5
21795.5	70°	24768.8	36456.8	37087.7	32208.6	19953.0	12888.7	11153.2	8086.0
20525.0	72.5°	22339.1	32132.2	30826.7	27971.3	17536.4	9384.9	8044.5	5747.9
18715.2	75°	19453.1	26445.4	24282.0	23240.7	14519.4	7365.6	5820.0	3966.6
16097.7	77.5°	15578.2	18614.8	18036.3	18014.5	10910.8	5381.2	3883.6	2486.5
12576.5	80°	10989.4	12080.9	11786.2	13567.6	7319.7	3903.3	2338.0	1384.0
8754.0	82.5°	5320.1	6680.1	6856.9	8079.4	3560.5	2296.6	539.2	301.3
3423.0	85°	2082.6	3222.2	2717.9	3067.2	999.8	639.6	13.1	0.0
563.2	87.5°	233.6	373.3	342.7	270.7	122.3	26.2	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)