

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: STREETWORKS

Report Number: P320783

Luminaire Tested: **GAN-SA9D-827-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9D-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44812 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 575
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

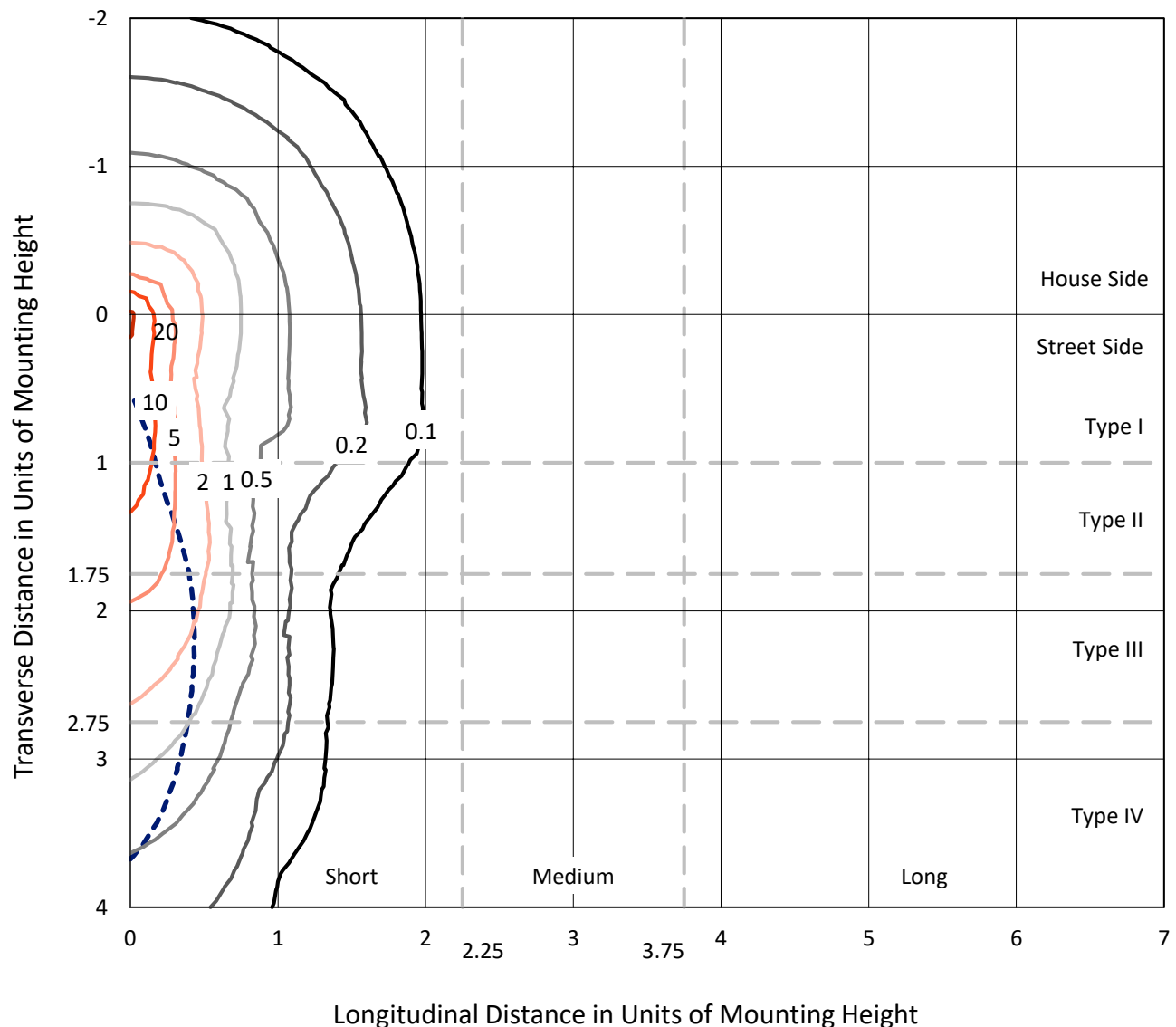


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Iso-Footcandle Lines of Horizontal Illumination

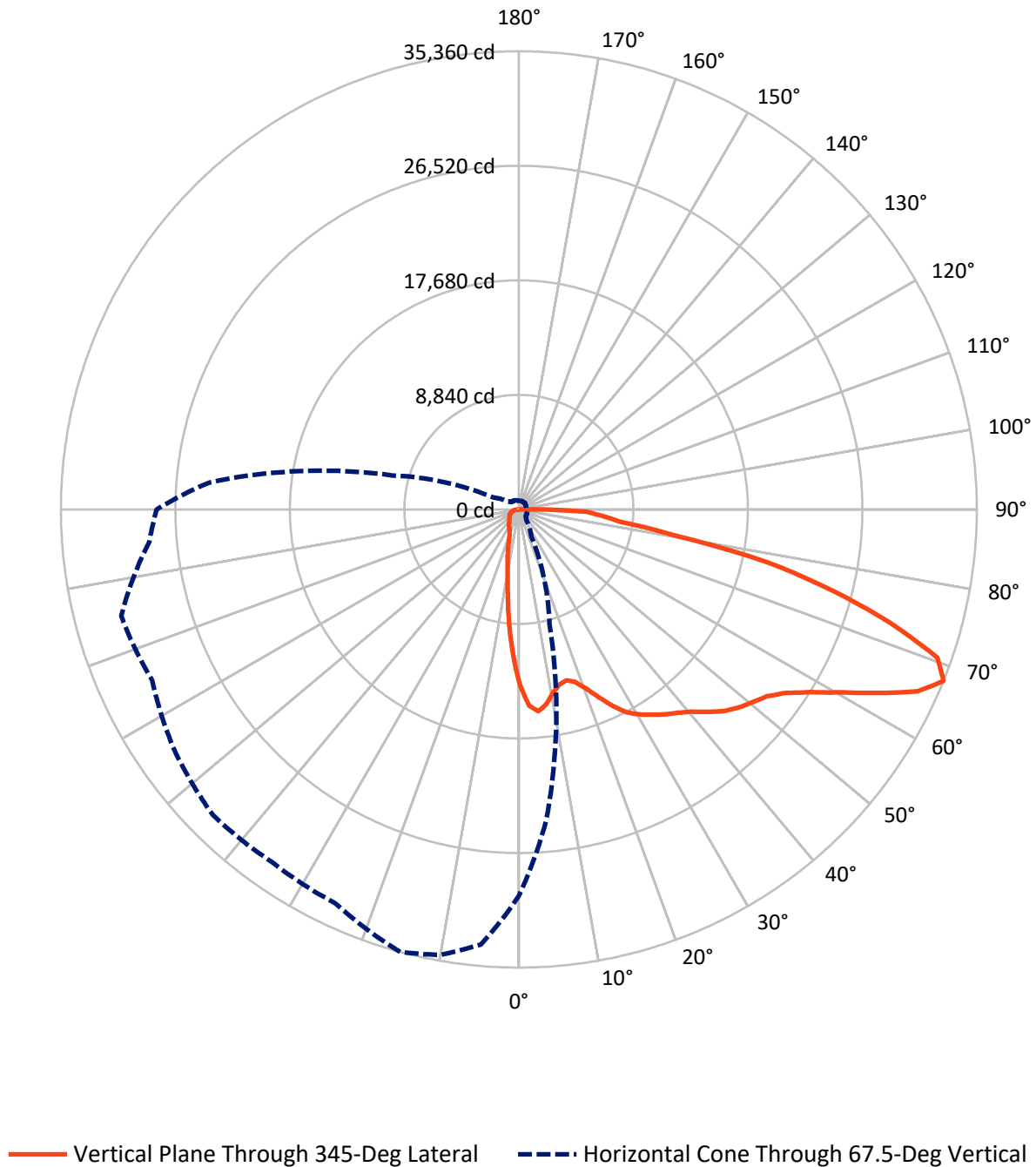
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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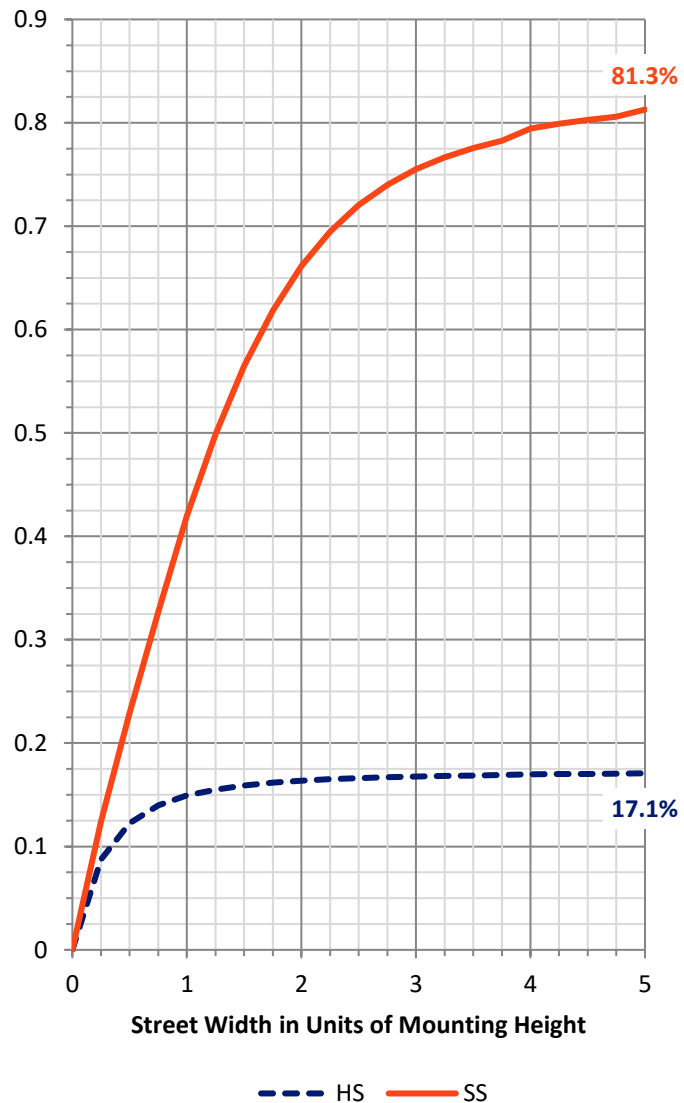
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7747.0	0.0	7747.0
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	37065.0	0.0	37065.0
	% Fixture	82.7	0.0	82.7
Total	Lumens	44812.0	0.0	44812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1053.6	2.4
10°-20°	2188.8	4.9
20°-30°	3113.0	6.9
30°-40°	4485.8	10.0
40°-50°	6321.8	14.1
50°-60°	8788.4	19.6
60°-70°	10627.8	23.7
70°-80°	6532.7	14.6
80°-90°	1699.9	3.8
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°	44812.0	100.0
0°-180°	44812.0	100.0

Coefficient of Utilization



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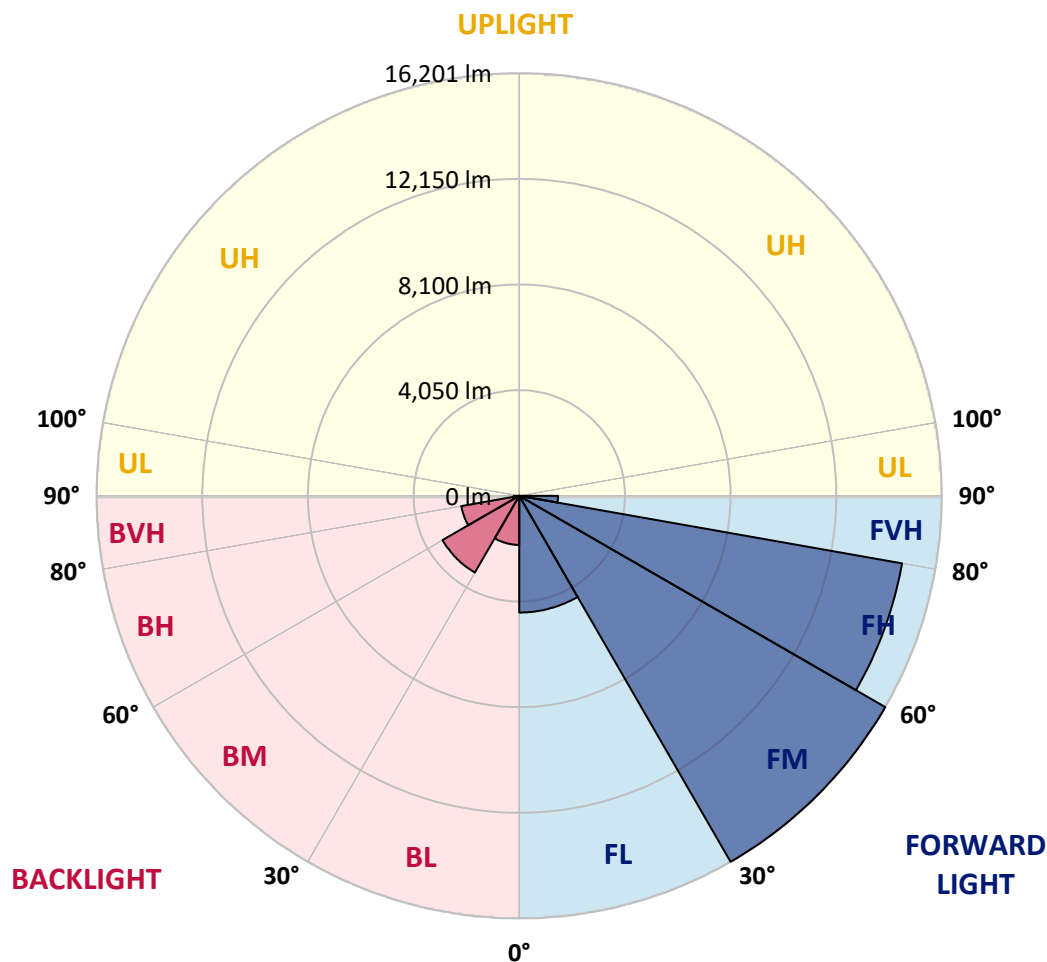
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4474.6	10.0			
FM	(30°-60°)	16200.7	36.2			
FH	(60°-80°)	14902.9	33.3			G5
FVH	(80°-90°)	1486.8	3.3			G5
BL	(0°-30°)	1880.9	4.2	B3/2500		
BM	(30°-60°)	3395.4	7.6	B3/5000		
BH	(60°-80°)	2257.6	5.0	B3/2500		G3/2500
BVH	(80°-90°)	213.1	0.5			G2/225
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	14625.1	14496.1	14300.9	14105.6	13960.4	13813.5	13646.9	13480.3	13290.4	13098.7	12985.8
5°	14383.3	14024.9	13559.1	13093.3	12785.1	12477.0	12127.6	11778.2	11432.4	11086.7	10900.3
7.5°	13294.0	12756.5	12150.9	11545.3	11097.4	10647.7	10164.0	9678.4	9248.4	8816.7	8549.7
10°	12222.6	11577.6	10882.4	10185.5	9612.1	9038.8	8553.3	8066.0	7741.7	7417.4	7171.9
12.5°	11453.9	10739.1	9974.1	9207.2	8633.9	8060.6	7752.4	7444.3	7175.5	6906.8	6623.7
15°	11149.4	10341.3	9558.4	8773.7	8252.3	7730.9	7388.7	7044.7	6684.6	6322.7	5975.1
17.5°	11418.1	10472.1	9621.1	8770.1	8087.5	7404.8	6926.5	6446.3	5971.5	5496.7	5093.6
20°	12256.6	11049.0	9936.4	8822.0	7913.7	7005.3	6363.9	5720.7	5111.5	4502.4	4045.5
22.5°	13433.7	11835.6	10382.5	8929.5	7756.0	6580.7	5776.2	4970.0	4249.8	3529.5	3081.6
25°	14863.4	12878.3	11025.7	9171.4	7691.5	6209.8	5220.8	4231.9	3472.2	2710.7	2391.8
27.5°	16370.2	14121.7	11824.8	9526.1	7702.3	5878.4	4753.2	3626.3	2941.9	2257.5	2038.9
30°	17626.1	15542.5	12756.5	9968.7	7743.5	5518.2	4312.5	3106.7	2542.3	1978.0	1836.4
32.5°	18774.6	16533.2	13458.8	10382.5	7790.0	5195.8	3972.1	2746.6	2286.1	1823.9	1707.4
35°	19960.6	17412.9	13949.7	10484.7	7709.4	4932.4	3739.1	2545.9	2121.3	1694.9	1596.4
37.5°	21266.8	18364.3	14422.7	10479.3	7573.3	4667.2	3558.2	2447.4	2013.8	1578.4	1506.8
40°	22723.4	19416.0	14935.1	10454.2	7449.6	4443.3	3423.8	2402.6	1954.7	1505.0	1444.1
42.5°	24147.7	20419.3	15411.7	10404.0	7349.3	4292.8	3291.2	2289.7	1900.9	1510.4	1424.4
45°	25217.3	21295.4	15825.5	10353.9	7274.1	4194.2	3187.3	2180.4	1850.8	1521.1	1411.8
47.5°	26028.9	22175.1	16284.2	10391.5	7266.9	4142.3	3113.9	2085.5	1755.8	1424.4	1379.6
50°	27060.9	23232.2	16952.5	10672.8	7365.4	4058.1	3027.9	1995.9	1664.4	1333.0	1393.9
52.5°	28345.5	24740.7	17988.1	11233.6	7571.5	3909.4	2891.7	1874.1	1553.4	1230.9	1325.8
55°	30232.1	26673.9	19312.1	11948.4	7820.5	3690.8	2685.7	1678.8	1406.4	1132.3	1216.5
57.5°	31925.2	28626.8	20582.3	12536.1	7976.4	3414.9	2425.9	1436.9	1241.6	1046.3	1094.7
60°	32679.5	29633.7	21177.2	12718.8	7883.2	3047.6	2133.8	1218.3	1096.5	974.7	965.7
62.5°	32385.7	28994.1	20591.3	12188.5	7428.1	2667.7	1875.8	1083.9	992.6	899.4	879.7
65°	31525.7	26983.9	18950.2	10916.5	6659.5	2402.6	1712.8	1023.0	920.9	818.8	797.3
67.5°	29830.8	24122.6	16624.6	9126.6	5683.1	2239.5	1619.6	999.7	876.1	750.7	725.6
70°	26788.6	20679.1	13946.1	7211.3	4676.2	2139.2	1558.7	978.2	827.7	675.4	652.2
72.5°	22003.1	16579.8	11136.8	5692.0	3909.4	2126.7	1551.6	976.4	788.3	600.2	578.7
75°	15753.9	12593.4	8501.3	4407.4	3201.7	1995.9	1472.7	949.6	734.6	517.8	498.1
77.5°	10601.1	8716.3	5908.8	3099.5	2375.7	1651.9	1238.0	824.2	628.9	433.6	413.9
80°	6808.2	6032.4	3959.5	1886.6	1540.8	1195.0	885.1	575.1	458.7	340.4	324.3
82.5°	4995.1	4489.8	2752.0	1014.1	856.4	696.9	541.1	385.2	313.5	241.9	234.7
85°	3174.8	3500.9	2026.3	551.8	451.5	351.2	290.2	229.3	181.0	132.6	132.6
87.5°	616.3	852.8	560.8	267.0	195.3	123.6	105.7	86.0	48.4	9.0	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	12871.1	12747.5	12623.9	12484.1	12342.6	12211.8	12079.2	11934.1	11961.0	11849.9	11738.8
5°	10714.0	10516.9	10318.0	10146.0	9974.1	9825.3	9674.8	9540.5	9656.9	9578.1	9499.3
7.5°	8281.0	8037.3	7791.8	7585.8	7379.8	7220.3	7059.1	6948.0	7062.6	7048.3	7034.0
10°	6926.5	6690.0	6451.7	6224.2	5996.6	5803.1	5607.8	5443.0	5414.3	5331.9	5247.7
12.5°	6338.8	6014.5	5688.5	5450.2	5211.9	4980.8	4749.6	4556.1	4468.3	4332.2	4194.2
15°	5627.5	5244.1	4860.7	4590.2	4317.8	4093.9	3868.1	3701.5	3646.0	3540.3	3434.6
17.5°	4690.5	4271.3	3852.0	3577.9	3302.0	3122.8	2941.9	2830.8	2830.8	2800.3	2769.9
20°	3588.7	3214.2	2839.7	2630.1	2420.5	2325.5	2228.8	2182.2	2196.5	2198.3	2198.3
22.5°	2631.9	2402.6	2173.3	2089.1	2003.1	1969.0	1935.0	1915.3	1922.4	1924.2	1926.0
25°	2072.9	1985.1	1895.6	1852.6	1807.8	1786.3	1764.8	1757.6	1773.7	1775.5	1775.5
27.5°	1820.3	1766.6	1711.0	1684.1	1655.5	1646.5	1637.6	1625.0	1641.1	1641.1	1639.3
30°	1693.1	1635.8	1578.4	1544.4	1510.4	1513.9	1515.7	1512.1	1522.9	1530.1	1535.4
32.5°	1589.2	1533.6	1478.1	1444.1	1408.2	1402.9	1397.5	1393.9	1417.2	1429.7	1442.3
35°	1496.0	1435.1	1374.2	1341.9	1309.7	1297.1	1284.6	1275.6	1297.1	1313.3	1329.4
37.5°	1433.3	1370.6	1306.1	1275.6	1243.4	1227.3	1211.1	1200.4	1209.4	1216.5	1223.7
40°	1383.1	1318.6	1252.4	1216.5	1180.7	1164.6	1148.4	1139.5	1144.9	1146.6	1148.4
42.5°	1336.6	1273.9	1211.1	1171.7	1130.5	1110.8	1091.1	1080.4	1083.9	1087.5	1089.3
45°	1302.5	1239.8	1175.3	1128.7	1080.4	1058.9	1037.4	1024.8	1026.6	1026.6	1026.6
47.5°	1334.8	1243.4	1150.2	1096.5	1040.9	1015.9	990.8	978.2	974.7	971.1	967.5
50°	1453.0	1297.1	1139.5	1071.4	1001.5	974.7	946.0	931.7	922.7	919.1	915.5
52.5°	1419.0	1284.6	1148.4	1060.7	971.1	938.8	906.6	883.3	874.3	868.9	863.6
55°	1298.9	1214.7	1128.7	1023.0	917.3	888.7	858.2	842.1	825.9	822.4	818.8
57.5°	1141.3	1107.2	1073.2	965.7	858.2	831.3	802.7	791.9	777.6	777.6	775.8
60°	954.9	1005.1	1055.3	931.7	806.2	775.8	745.3	736.4	731.0	729.2	727.4
62.5°	858.2	940.6	1021.2	890.4	757.9	725.6	693.4	682.6	680.8	682.6	682.6
65°	775.8	800.9	825.9	765.0	704.1	671.9	637.8	627.1	630.7	636.0	641.4
67.5°	700.5	695.2	689.8	668.3	645.0	618.1	589.4	578.7	580.5	587.7	594.8
70°	628.9	621.7	612.7	596.6	580.5	557.2	533.9	526.7	525.0	533.9	541.1
72.5°	557.2	548.2	537.5	525.0	510.6	490.9	471.2	465.8	467.6	473.0	478.4
75°	478.4	471.2	462.2	451.5	439.0	421.0	403.1	399.5	403.1	408.5	413.9
77.5°	392.4	390.6	387.0	378.0	369.1	349.4	327.9	326.1	331.5	336.8	340.4
80°	306.4	308.2	310.0	302.8	295.6	274.1	250.8	249.0	254.4	259.8	265.2
82.5°	225.7	231.1	234.7	225.7	216.8	191.7	166.6	163.0	181.0	186.3	191.7
85°	130.8	138.0	145.1	138.0	130.8	105.7	80.6	78.8	95.0	103.9	112.9
87.5°	10.7	14.3	17.9	16.1	14.3	7.2	0.0	0.0	1.8	9.0	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	11668.9	11599.1	11577.6	11556.1	11477.2	11396.6	11479.0	11559.7	11593.7	11627.7	11539.9
5°	9488.5	9476.0	9476.0	9474.2	9402.5	9329.1	9384.6	9438.4	9318.3	9198.3	9185.7
7.5°	7111.0	7188.1	7250.8	7311.7	7288.4	7265.1	7317.1	7369.0	7216.7	7062.6	6987.4
10°	5265.6	5281.8	5349.8	5417.9	5434.0	5448.4	5512.9	5575.6	5457.3	5339.1	5287.1
12.5°	4108.2	4022.2	4031.2	4038.4	4070.6	4101.1	4169.1	4235.4	4187.1	4136.9	4142.3
15°	3327.1	3217.8	3173.0	3126.4	3162.2	3198.1	3246.4	3293.0	3294.8	3294.8	3341.4
17.5°	2716.1	2660.6	2615.8	2569.2	2617.6	2664.2	2669.5	2674.9	2676.7	2678.5	2674.9
20°	2225.2	2252.1	2237.8	2223.4	2241.3	2257.5	2271.8	2284.3	2268.2	2250.3	2205.5
22.5°	1951.1	1974.4	1992.3	2008.4	2038.9	2067.6	2053.2	2037.1	2004.8	1970.8	1936.8
25°	1791.6	1807.8	1825.7	1843.6	1868.7	1892.0	1866.9	1841.8	1818.5	1795.2	1771.9
27.5°	1657.3	1673.4	1689.5	1703.8	1727.1	1748.6	1725.3	1702.1	1682.3	1662.6	1644.7
30°	1548.0	1558.7	1571.3	1583.8	1605.3	1625.0	1605.3	1583.8	1569.5	1553.4	1540.8
32.5°	1454.8	1465.6	1470.9	1476.3	1496.0	1515.7	1501.4	1487.1	1474.5	1462.0	1453.0
35°	1352.7	1374.2	1377.8	1381.4	1401.1	1420.8	1411.8	1401.1	1386.7	1372.4	1356.3
37.5°	1248.8	1273.9	1288.2	1300.7	1320.4	1340.1	1331.2	1322.2	1302.5	1282.8	1254.1
40°	1161.0	1171.7	1198.6	1223.7	1255.9	1286.4	1268.5	1248.8	1218.3	1187.9	1173.5
42.5°	1087.5	1085.7	1110.8	1135.9	1184.3	1230.9	1198.6	1166.4	1137.7	1109.0	1105.4
45°	1023.0	1017.7	1030.2	1042.7	1094.7	1144.9	1112.6	1078.6	1062.4	1046.3	1046.3
47.5°	965.7	962.1	971.1	978.2	1010.5	1040.9	1024.8	1008.7	999.7	990.8	992.6
50°	913.7	910.2	919.1	926.3	938.8	949.6	953.2	954.9	949.6	944.2	947.8
52.5°	865.4	865.4	868.9	870.7	886.9	903.0	903.0	901.2	901.2	901.2	904.8
55°	824.2	827.7	827.7	827.7	852.8	876.1	868.9	861.8	863.6	863.6	867.2
57.5°	782.9	788.3	791.9	795.5	820.6	845.7	838.5	831.3	831.3	831.3	833.1
60°	736.4	743.5	750.7	757.9	782.9	808.0	800.9	791.9	793.7	795.5	797.3
62.5°	691.6	698.7	705.9	713.1	738.2	763.2	756.1	747.1	752.5	756.1	756.1
65°	648.6	653.9	661.1	668.3	691.6	714.9	707.7	700.5	707.7	713.1	716.7
67.5°	600.2	603.8	610.9	618.1	641.4	664.7	657.5	648.6	657.5	664.7	671.9
70°	544.7	548.2	557.2	564.4	587.7	610.9	602.0	593.0	602.0	610.9	618.1
72.5°	483.7	487.3	496.3	503.5	530.3	557.2	546.4	535.7	546.4	557.2	560.8
75°	417.5	421.0	431.8	440.7	467.6	494.5	485.5	474.8	483.7	492.7	494.5
77.5°	345.8	351.2	365.5	379.8	401.3	422.8	417.5	412.1	417.5	422.8	422.8
80°	270.5	275.9	293.8	310.0	322.5	335.0	336.8	338.6	340.4	342.2	340.4
82.5°	200.7	207.8	224.0	240.1	240.1	240.1	254.4	267.0	267.0	265.2	263.4
85°	123.6	132.6	146.9	161.2	152.3	143.3	166.6	188.1	188.1	186.3	182.7
87.5°	25.1	34.0	48.4	60.9	52.0	43.0	66.3	89.6	91.4	91.4	87.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783
 CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	11450.4	11590.1	11728.1	11763.9	11817.6	11840.9	11862.4	12038.0	12211.8	12416.1	12620.3
5°	9171.4	9275.3	9379.2	9395.4	9450.9	9479.6	9508.2	9721.4	9932.8	10217.7	10502.6
7.5°	6912.1	6937.2	6962.3	6958.7	7005.3	7068.0	7128.9	7356.5	7582.2	7888.6	8193.2
10°	5235.2	5292.5	5348.0	5400.0	5502.1	5620.4	5736.8	5969.7	6202.7	6505.4	6806.4
12.5°	4147.6	4213.9	4278.4	4335.8	4454.0	4611.7	4767.6	5047.0	5326.5	5688.5	6048.6
15°	3386.2	3380.8	3375.4	3414.9	3518.8	3690.8	3861.0	4156.6	4452.2	4850.0	5245.9
17.5°	2671.3	2644.5	2617.6	2648.0	2744.8	2886.3	3026.1	3276.9	3525.9	3911.1	4296.3
20°	2160.7	2142.8	2124.9	2153.5	2214.5	2273.6	2332.7	2513.7	2692.8	3006.4	3318.1
22.5°	1900.9	1899.1	1895.6	1911.7	1940.3	1970.8	1999.5	2087.3	2173.3	2375.7	2576.4
25°	1748.6	1746.8	1745.1	1752.2	1775.5	1798.8	1822.1	1879.4	1936.8	2033.5	2130.3
27.5°	1626.8	1623.2	1619.6	1621.4	1626.8	1662.6	1696.7	1723.6	1748.6	1814.9	1879.4
30°	1528.3	1526.5	1524.7	1524.7	1519.3	1531.9	1544.4	1585.6	1625.0	1693.1	1761.2
32.5°	1444.1	1435.1	1426.1	1406.4	1393.9	1411.8	1429.7	1472.7	1515.7	1578.4	1641.1
35°	1338.4	1315.1	1290.0	1279.2	1281.0	1298.9	1316.9	1359.9	1401.1	1469.1	1535.4
37.5°	1223.7	1216.5	1207.6	1205.8	1211.1	1229.1	1247.0	1284.6	1320.4	1388.5	1454.8
40°	1159.2	1155.6	1152.0	1148.4	1152.0	1169.9	1187.9	1223.7	1257.7	1324.0	1388.5
42.5°	1101.9	1100.1	1098.3	1098.3	1100.1	1119.8	1139.5	1175.3	1209.4	1268.5	1327.6
45°	1046.3	1048.1	1048.1	1051.7	1057.1	1076.8	1094.7	1134.1	1173.5	1230.9	1288.2
47.5°	994.4	999.7	1003.3	1012.3	1017.7	1039.2	1058.9	1101.9	1144.9	1216.5	1286.4
50°	949.6	954.9	958.5	965.7	980.0	1005.1	1030.2	1082.1	1132.3	1252.4	1370.6
52.5°	908.4	913.7	919.1	926.3	944.2	972.9	1001.5	1066.0	1128.7	1268.5	1408.2
55°	870.7	876.1	879.7	890.4	908.4	933.4	956.7	1035.6	1114.4	1216.5	1318.6
57.5°	834.9	840.3	843.9	851.0	860.0	886.9	911.9	996.2	1080.4	1152.0	1221.9
60°	797.3	800.9	802.7	802.7	809.8	840.3	870.7	978.2	1083.9	1071.4	1057.1
62.5°	756.1	759.7	761.4	756.1	765.0	797.3	829.5	969.3	1109.0	1023.0	937.0
65°	718.4	716.7	714.9	709.5	720.2	752.5	782.9	852.8	922.7	888.7	854.6
67.5°	677.2	671.9	666.5	659.3	670.1	698.7	725.6	748.9	772.2	775.8	779.4
70°	625.3	618.1	610.9	609.2	614.5	637.8	661.1	677.2	691.6	698.7	704.1
72.5°	564.4	559.0	553.6	550.0	551.8	571.5	589.4	603.8	618.1	623.5	627.1
75°	496.3	496.3	494.5	483.7	483.7	499.9	514.2	526.7	539.3	546.4	553.6
77.5°	422.8	424.6	424.6	410.3	408.5	424.6	439.0	449.7	458.7	465.8	471.2
80°	338.6	335.0	331.5	322.5	318.9	338.6	356.5	365.5	372.7	374.5	374.5
82.5°	259.8	252.6	243.7	224.0	225.7	247.2	267.0	274.1	281.3	281.3	281.3
85°	177.4	163.0	146.9	130.8	132.6	155.9	177.4	184.5	191.7	195.3	197.1
87.5°	84.2	69.9	53.7	41.2	41.2	60.9	78.8	82.4	86.0	93.2	100.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	12776.2	12930.3	13089.7	13249.2	13431.9	13614.7	13827.9	14039.3	14220.2	14401.2	14551.7
5°	10748.0	10993.5	11281.9	11570.4	11937.7	12305.0	12754.7	13202.6	13602.1	14001.7	14465.7
7.5°	8513.9	8832.8	9209.0	9585.3	10060.1	10534.8	11117.1	11699.4	12263.8	12826.3	13539.4
10°	7141.5	7476.5	7847.4	8216.5	8700.2	9182.1	9798.5	10413.0	11047.2	11679.7	12485.9
12.5°	6421.2	6792.1	7118.2	7444.3	7836.6	8227.2	8823.8	9420.4	10165.8	10909.3	11685.1
15°	5652.6	6057.5	6448.1	6838.7	7266.9	7693.3	8273.8	8854.3	9669.5	10484.7	11376.9
17.5°	4722.8	5149.2	5625.7	6100.5	6659.5	7216.7	7960.3	8703.8	9669.5	10633.4	11685.1
20°	3753.5	4188.9	4758.6	5328.3	6023.5	6716.9	7680.8	8644.7	9945.4	11244.3	12586.3
22.5°	2961.6	3345.0	3966.7	4586.6	5389.2	6191.9	7428.1	8662.6	10362.8	12061.3	13872.7
25°	2400.8	2671.3	3282.3	3891.4	4817.7	5744.0	7274.1	8802.3	10970.2	13136.3	15383.0
27.5°	2056.8	2234.2	2803.9	3371.9	4384.1	5394.6	7211.3	9026.3	11740.6	14454.9	17025.9
30°	1884.8	2008.4	2490.4	2970.5	3998.9	5027.3	7136.1	9244.9	12482.3	15718.0	18310.5
32.5°	1741.5	1840.0	2252.1	2662.4	3665.7	4669.0	6991.0	9311.1	13000.1	16689.1	19398.1
35°	1619.6	1702.1	2060.4	2418.7	3404.1	4389.5	6747.3	9105.1	13324.4	17543.7	20530.4
37.5°	1521.1	1585.6	1917.1	2248.5	3178.4	4108.2	6469.6	8831.0	13612.9	18394.8	21804.2
40°	1444.1	1499.6	1809.6	2119.5	2963.4	3807.2	6231.3	8653.6	14010.6	19367.6	23149.8
42.5°	1401.1	1472.7	1716.4	1958.3	2759.1	3560.0	6039.6	8519.2	14379.7	20238.3	24326.9
45°	1390.3	1492.4	1668.0	1843.6	2606.8	3370.1	5869.4	8367.0	14618.0	20869.0	25213.7
47.5°	1372.4	1456.6	1630.4	1804.2	2531.6	3257.2	5778.0	8297.1	14856.3	21413.7	25950.1
50°	1383.1	1393.9	1599.9	1804.2	2520.8	3237.5	5881.9	8526.4	15372.3	22216.3	26792.2
52.5°	1363.4	1316.9	1542.6	1768.3	2519.0	3269.7	6181.2	9092.6	16330.8	23567.2	27704.1
55°	1259.5	1198.6	1435.1	1671.6	2481.4	3289.4	6537.7	9784.1	17617.2	25448.4	29343.5
57.5°	1168.1	1112.6	1313.3	1512.1	2366.8	3221.4	6905.0	10586.8	18977.0	27365.5	31190.6
60°	1046.3	1033.8	1177.1	1320.4	2189.4	3056.5	7207.8	11357.2	19890.8	28422.6	31901.9
62.5°	946.0	953.2	1058.9	1164.6	1967.2	2768.1	7308.1	11846.3	19865.7	27885.1	31185.3
65°	868.9	881.5	985.4	1089.3	1777.3	2465.3	6978.4	11489.8	18860.6	26229.6	29768.1
67.5°	793.7	808.0	931.7	1053.5	1608.9	2162.5	6154.3	10144.3	17052.8	23959.6	27965.7
70°	722.0	739.9	874.3	1008.7	1487.1	1963.6	5091.8	8220.0	14790.0	21358.1	25878.4
72.5°	645.0	662.9	806.2	949.6	1410.0	1868.7	4151.2	6432.0	12002.2	17570.6	22135.7
75°	566.2	578.7	734.6	888.7	1304.3	1720.0	3257.2	4792.6	9185.7	13578.8	16719.6
77.5°	487.3	503.5	634.2	763.2	1107.2	1449.4	2454.5	3459.7	6740.1	10018.8	11627.7
80°	388.8	403.1	496.3	587.7	854.6	1119.8	1687.7	2255.7	4638.6	7021.4	7928.0
82.5°	297.4	313.5	376.2	437.2	609.2	781.2	1023.0	1264.9	3081.6	4896.5	4971.8
85°	204.2	209.6	254.4	297.4	376.2	455.1	585.9	716.7	2038.9	3361.1	2800.3
87.5°	102.1	102.1	132.6	163.0	202.5	241.9	310.0	376.2	652.2	928.1	533.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783
 CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	14743.4	14874.2	15006.8	15107.1	15209.2	15356.1	15503.0	15529.9	15558.6	15501.3	15443.9
5°	14933.3	15329.3	15727.0	16094.3	16461.6	16681.9	16902.3	16947.1	16991.9	16853.9	16714.2
7.5°	14229.2	14919.0	15608.8	16241.2	16873.7	17257.1	17642.3	17728.3	17816.1	17590.3	17364.6
10°	13288.6	14136.0	14983.5	15816.6	16649.7	17206.9	17764.1	17875.2	17986.3	17705.0	17423.7
12.5°	12561.2	13466.0	14370.7	15248.6	16128.3	16705.2	17282.1	17420.1	17558.1	17353.8	17147.8
15°	12337.2	13188.3	14039.3	14804.3	15571.1	16042.3	16515.3	16570.9	16628.2	16595.9	16563.7
17.5°	12743.9	13512.5	14282.9	14698.6	15116.1	15304.2	15494.1	15555.0	15617.7	15698.3	15780.8
20°	13729.3	14270.4	14813.3	14795.4	14775.6	14684.3	14591.1	14575.0	14558.9	14790.0	15022.9
22.5°	15200.3	15415.3	15632.0	15128.6	14625.1	14318.8	14010.6	13949.7	13887.0	14132.4	14379.7
25°	16796.6	16757.2	16716.0	15757.5	14797.1	14213.1	13629.0	13560.9	13492.8	13702.5	13913.9
27.5°	18376.8	18118.8	17860.8	16558.3	15255.8	14408.4	13560.9	13492.8	13424.7	13611.1	13797.4
30°	19536.0	19122.2	18708.3	17233.8	15759.3	14752.4	13745.5	13634.4	13521.5	13750.8	13980.2
32.5°	20440.8	19885.4	19330.0	17782.0	16234.0	15144.7	14055.4	13881.6	13707.8	14014.2	14320.6
35°	21343.8	20562.6	19779.7	18271.1	16760.8	15608.8	14454.9	14241.7	14028.5	14449.6	14870.6
37.5°	22479.7	21358.1	20234.8	18821.2	17407.6	16303.9	15198.5	14979.9	14761.3	15297.0	15834.5
40°	23712.3	22216.3	20720.3	19423.2	18126.0	17266.0	16404.2	16196.4	15986.8	16638.9	17291.1
42.5°	24737.2	23015.4	21293.6	20148.8	19002.1	18396.5	17789.2	17787.4	17783.8	18444.9	19106.0
45°	25570.3	23681.9	21791.7	20856.5	19919.4	19604.1	19288.8	19541.4	19794.0	20390.6	20989.0
47.5°	26192.0	24240.9	22288.0	21666.3	21044.6	21091.2	21137.8	21652.0	22166.2	22549.6	22934.8
50°	26596.9	24747.9	22897.1	22705.4	22513.7	22931.2	23350.4	23939.9	24531.1	24792.7	25054.3
52.5°	27186.3	25435.9	23683.7	23898.7	24113.7	24966.5	25819.3	26415.9	27012.5	27109.3	27207.8
55°	28549.8	26700.8	24850.0	25262.1	25676.0	26926.5	28178.9	28644.7	29110.5	29146.4	29182.2
57.5°	30486.5	28472.7	26458.9	26903.2	27347.6	28791.6	30237.5	30739.1	31242.6	31172.7	31101.1
60°	31936.0	30155.1	28372.4	28820.3	29268.2	30676.4	32084.7	32661.6	33240.3	33086.2	32932.1
62.5°	32025.5	31074.2	30121.0	30525.9	30932.6	32312.2	33691.8	34284.8	34877.8	34609.1	34340.3
65°	30601.2	31027.6	31454.0	31588.4	31722.8	33009.1	34297.3	34750.6	35205.7	35069.5	34933.4
67.5°	28639.3	30210.6	31783.7	31513.1	31242.6	31846.4	32450.2	32917.8	33385.4	33308.4	33229.5
70°	26681.1	28779.1	30877.1	29547.7	28216.5	27967.5	27718.4	28221.9	28727.1	28415.4	28101.9
72.5°	23346.8	25582.8	27820.6	25371.4	22922.2	22071.2	21220.2	21859.8	22499.4	22003.1	21505.0
75°	18326.7	20797.3	23269.8	20347.6	17425.5	16289.6	15153.7	15703.7	16253.7	15913.3	15571.1
77.5°	13643.3	16078.2	18513.0	15542.5	12570.1	11726.3	10880.6	11043.7	11208.5	11151.2	11092.0
80°	9253.8	10950.5	12649.0	10671.0	8693.0	8757.5	8823.8	8746.8	8667.9	8782.6	8897.3
82.5°	5905.2	7214.9	8526.4	7476.5	6426.6	7028.6	7630.6	7335.0	7037.6	7146.8	7257.9
85°	3370.1	4651.1	5933.9	5530.8	5125.9	5477.0	5830.0	5371.3	4912.7	5113.3	5315.8
87.5°	888.7	2572.8	4258.7	3866.4	3474.0	3018.9	2563.8	1956.5	1349.1	1970.8	2592.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320783

CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3	13652.3
2.5°	15413.5	15383.0	15273.7	15162.6	14997.8	14861.6	14625.1
5°	16520.7	16327.2	15994.0	15658.9	15286.3	14858.1	14383.3
7.5°	16913.1	16459.8	15820.2	15178.8	14601.9	13924.6	13294.0
10°	16746.4	16067.4	15236.1	14403.0	13702.5	12923.1	12222.6
12.5°	16427.5	15705.5	14790.0	13872.7	13075.4	12238.7	11453.9
15°	15988.6	15411.7	14553.5	13695.3	12892.6	12079.2	11149.4
17.5°	15508.4	15234.3	14614.4	13992.7	13297.5	12509.2	11418.1
20°	15121.4	15221.8	14974.5	14727.3	14170.1	13482.1	12256.6
22.5°	14859.9	15341.8	15531.7	15723.4	15388.4	14850.9	13433.7
25°	14712.9	15512.0	16148.0	16785.9	16637.2	16223.3	14863.4
27.5°	14777.4	15757.5	16744.7	17733.6	17871.6	17756.9	16370.2
30°	14970.9	15963.5	17165.7	18369.7	18919.7	19073.8	17626.1
32.5°	15293.4	16266.3	17576.0	18887.5	19718.8	20209.7	18774.6
35°	15780.8	16690.9	18056.1	19421.4	20496.3	21392.2	19960.6
37.5°	16617.4	17400.4	18659.9	19921.2	21315.1	22660.6	21266.8
40°	17842.9	18396.5	19460.8	20526.8	22280.8	24097.5	22723.4
42.5°	19389.1	19674.0	20517.8	21361.7	23289.5	25401.9	24147.7
45°	21064.3	21139.5	21669.9	22202.0	24088.6	26290.5	25217.3
47.5°	22676.8	22418.8	22630.2	22841.6	24701.3	26924.7	26028.9
50°	24335.8	23617.4	23506.3	23395.2	25314.1	27671.9	27060.9
52.5°	26023.6	24839.3	24400.3	23959.6	26045.1	28662.6	28345.5
55°	27675.4	26168.7	25577.4	24986.2	27163.0	29872.0	30232.1
57.5°	29393.6	27686.2	27138.0	26589.7	28806.0	31403.8	31925.2
60°	31242.6	29551.3	29112.3	28671.6	30848.4	33059.3	32679.5
62.5°	32996.6	31652.9	31421.8	31188.8	32914.2	34331.4	32385.7
65°	34168.3	33401.5	33616.5	33833.3	34476.5	34648.5	31525.7
67.5°	33385.4	33541.3	34449.6	35359.8	34917.2	33706.1	29830.8
70°	29035.3	29970.5	32122.3	34275.8	33294.0	31181.7	26788.6
72.5°	22554.9	23606.6	26801.1	29997.4	29092.6	26505.5	22003.1
75°	16757.2	17945.1	21471.0	24996.9	23741.0	19826.3	15753.9
77.5°	11887.5	12683.0	16164.2	19647.1	17599.3	13197.2	10601.1
80°	8653.6	8410.0	10350.3	12290.6	11950.2	8728.9	6808.2
82.5°	6663.1	6068.3	6982.0	7895.8	7845.6	6057.5	4995.1
85°	5077.5	4839.2	5647.2	6455.3	5763.7	4102.9	3174.8
87.5°	2959.8	3328.9	4280.2	5233.4	3927.3	1245.2	616.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320783
 CATALOG NUMBER: GAN-SA9D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)