

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: P320579

Luminaire Tested: **GAN-SA5D-727-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320579
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-SA5D-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 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: 28501 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 320
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



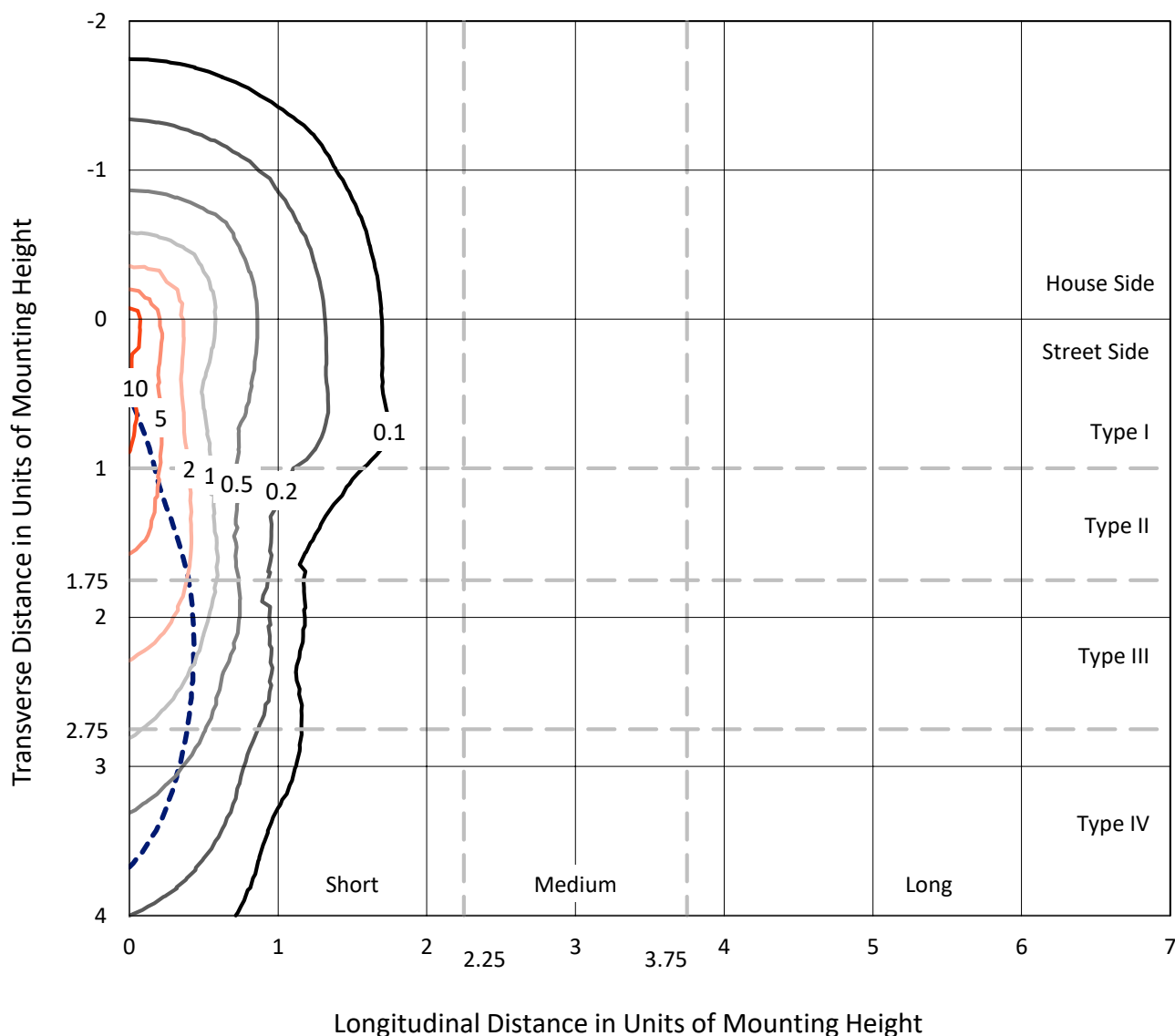
REPORT NUMBER: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

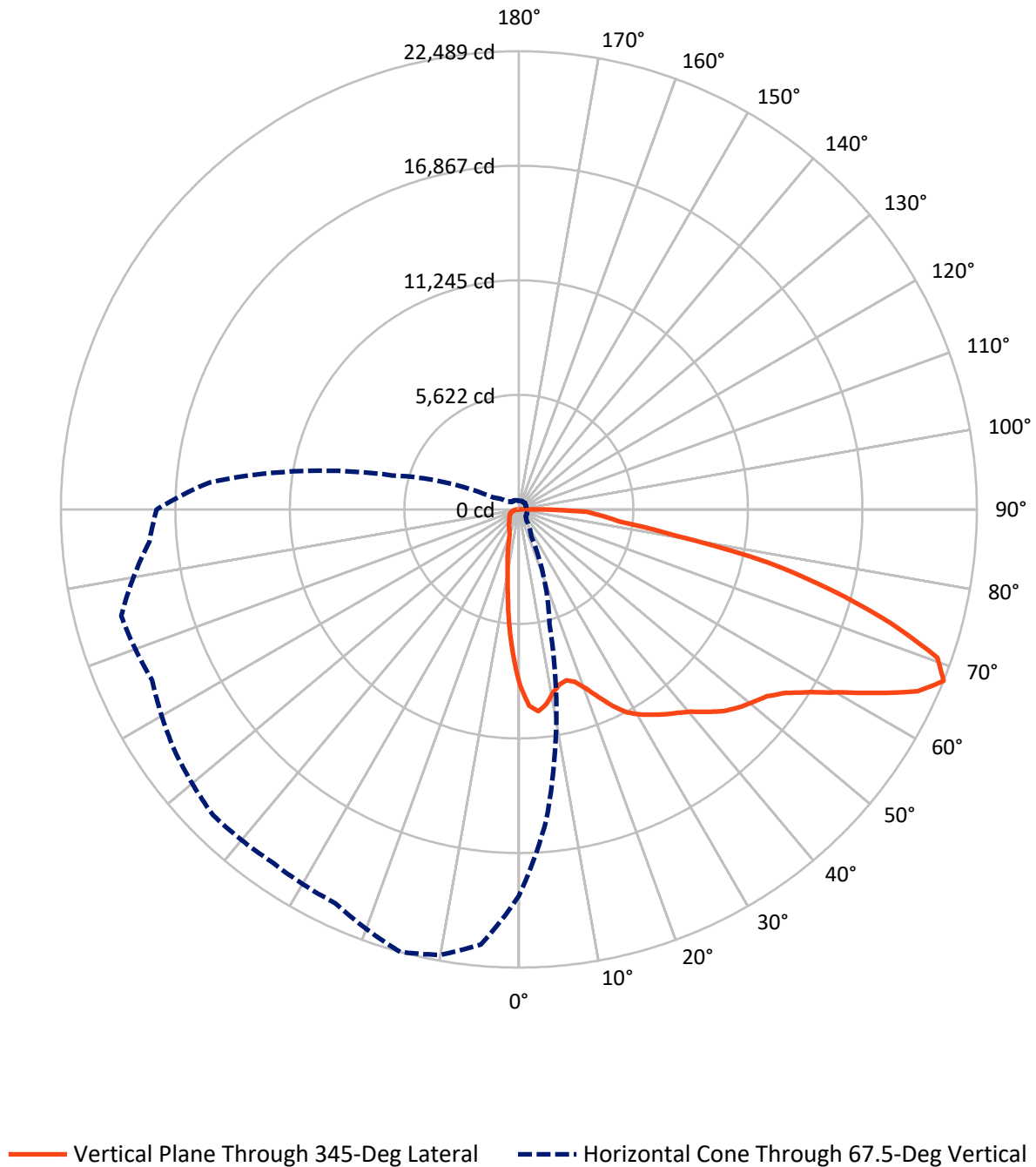
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P320579
CATALOG NUMBER: GAN-SA5D-727-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

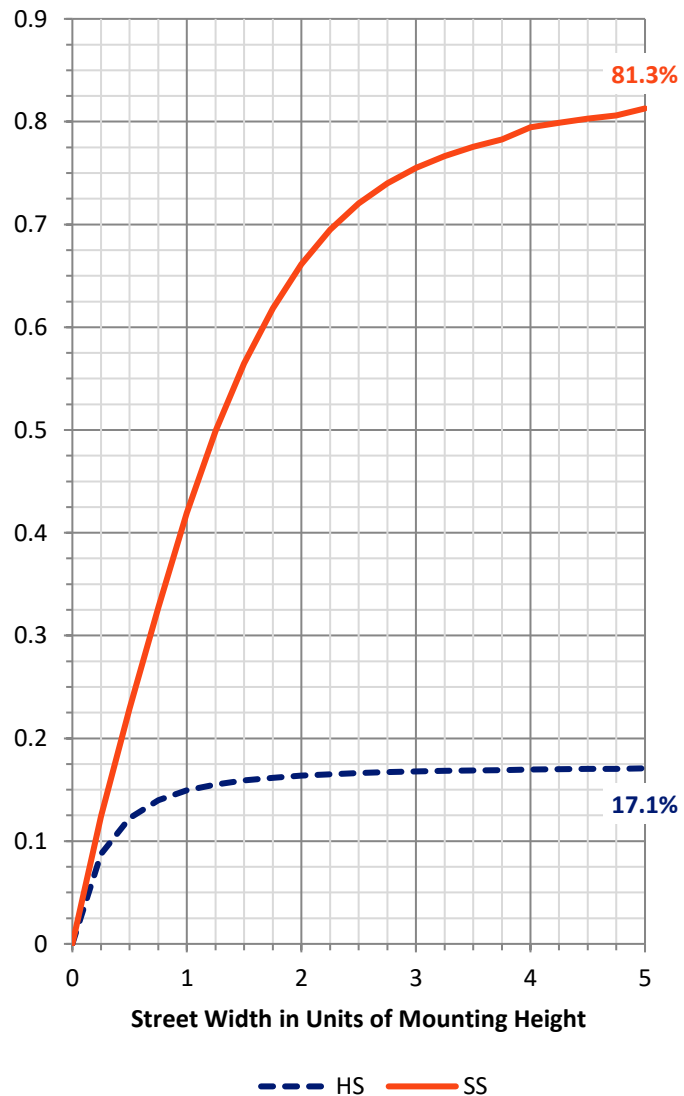
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4927.2	0.0	4927.2
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	23573.8	0.0	23573.8
	% Fixture	82.7	0.0	82.7
Total	Lumens	28501.0	0.0	28501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.1	2.4
10°-20°	1392.1	4.9
20°-30°	1979.9	6.9
30°-40°	2853.0	10.0
40°-50°	4020.8	14.1
50°-60°	5589.6	19.6
60°-70°	6759.4	23.7
70°-80°	4154.9	14.6
80°-90°	1081.1	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°	28501.0	100.0
0°-180°	28501.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320579

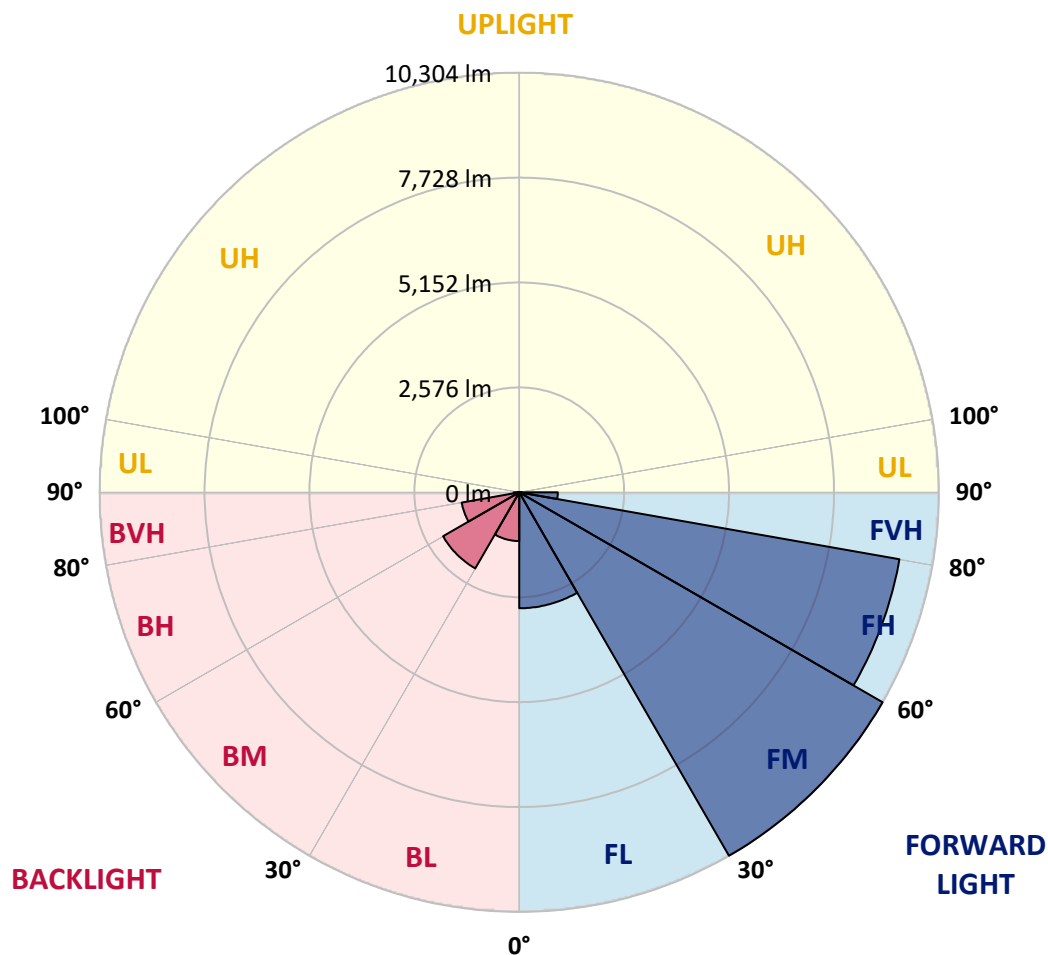
CATALOG NUMBER: GAN-SA5D-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2845.9	10.0			
FM	(30°-60°)	10303.8	36.2			
FH	(60°-80°)	9478.5	33.3			G4/12000
FVH	(80°-90°)	945.6	3.3			G5
BL	(0°-30°)	1196.3	4.2	B3/2500		
BM	(30°-60°)	2159.5	7.6	B2/2500		
BH	(60°-80°)	1435.9	5.0	B3/2500		G3/2500
BVH	(80°-90°)	135.5	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



REPORT NUMBER: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	9301.8	9219.7	9095.5	8971.3	8879.0	8785.6	8679.6	8573.6	8452.8	8330.9	8259.1
5°	9147.9	8920.0	8623.8	8327.5	8131.5	7935.5	7713.3	7491.1	7271.2	7051.3	6932.7
7.5°	8455.1	8113.3	7728.1	7343.0	7058.1	6772.1	6464.4	6155.6	5882.1	5607.5	5437.7
10°	7773.7	7363.5	6921.4	6478.1	6113.4	5748.8	5440.0	5130.1	4923.8	4717.6	4561.4
12.5°	7284.9	6830.2	6343.6	5855.9	5491.3	5126.6	4930.6	4734.6	4563.7	4392.8	4212.7
15°	7091.1	6577.2	6079.3	5580.2	5248.6	4917.0	4699.3	4480.5	4251.5	4021.3	3800.2
17.5°	7262.1	6660.4	6119.1	5577.9	5143.7	4709.6	4405.3	4099.9	3798.0	3496.0	3239.6
20°	7795.4	7027.3	6319.7	5610.9	5033.2	4455.5	4047.5	3638.4	3251.0	2863.6	2573.0
22.5°	8544.0	7527.6	6603.4	5679.3	4932.9	4185.4	3673.8	3161.0	2702.9	2244.8	1959.9
25°	9453.3	8190.8	7012.5	5833.1	4891.9	3949.5	3320.5	2691.5	2208.4	1724.1	1521.2
27.5°	10411.7	8981.6	7520.7	6058.7	4898.7	3738.7	3023.1	2306.4	1871.1	1435.8	1296.8
30°	11210.4	9885.2	8113.3	6340.2	4924.9	3509.7	2742.8	1975.9	1617.0	1258.0	1168.0
32.5°	11940.9	10515.4	8560.0	6603.4	4954.6	3304.6	2526.3	1746.9	1454.0	1160.0	1085.9
35°	12695.2	11074.8	8872.2	6668.4	4903.3	3137.1	2378.1	1619.2	1349.2	1078.0	1015.3
37.5°	13525.9	11679.9	9173.0	6665.0	4816.7	2968.4	2263.1	1556.6	1280.8	1003.9	958.3
40°	14452.3	12348.8	9498.9	6649.0	4738.1	2826.0	2177.6	1528.1	1243.2	957.2	918.4
42.5°	15358.2	12986.9	9802.0	6617.1	4674.2	2730.3	2093.3	1456.3	1209.0	960.6	905.9
45°	16038.5	13544.2	10065.2	6585.2	4626.4	2667.6	2027.2	1386.8	1177.1	967.4	897.9
47.5°	16554.7	14103.7	10357.0	6609.1	4621.8	2634.5	1980.5	1326.4	1116.7	905.9	877.4
50°	17211.1	14776.0	10782.0	6788.0	4684.5	2581.0	1925.8	1269.4	1058.6	847.8	886.5
52.5°	18028.1	15735.4	11440.6	7144.7	4815.5	2486.4	1839.2	1191.9	988.0	782.8	843.2
55°	19228.0	16964.9	12282.7	7599.4	4973.9	2347.4	1708.1	1067.7	894.5	720.2	773.7
57.5°	20304.8	18207.0	13090.6	7973.1	5073.1	2171.9	1542.9	913.9	789.7	665.5	696.2
60°	20784.6	18847.4	13468.9	8089.3	5013.8	1938.3	1357.2	774.9	697.4	619.9	614.2
62.5°	20597.7	18440.6	13096.3	7752.1	4724.4	1696.7	1193.1	689.4	631.3	572.0	559.5
65°	20050.7	17162.1	12052.5	6943.0	4235.5	1528.1	1089.4	650.7	585.7	520.8	507.1
67.5°	18972.8	15342.3	10573.5	5804.6	3614.5	1424.4	1030.1	635.8	557.2	477.5	461.5
70°	17037.9	13152.2	8869.9	4586.5	2974.1	1360.6	991.4	622.2	526.5	429.6	414.8
72.5°	13994.3	10545.0	7083.2	3620.2	2486.4	1352.6	986.8	621.0	501.4	381.7	368.1
75°	10019.7	8009.6	5407.0	2803.2	2036.3	1269.4	936.7	603.9	467.2	329.3	316.8
77.5°	6742.5	5543.7	3758.1	1971.3	1511.0	1050.6	787.4	524.2	400.0	275.8	263.2
80°	4330.1	3836.7	2518.3	1199.9	980.0	760.0	562.9	365.8	291.7	216.5	206.3
82.5°	3176.9	2855.6	1750.3	645.0	544.7	443.3	344.1	245.0	199.4	153.8	149.3
85°	2019.2	2226.6	1288.8	351.0	287.2	223.3	184.6	145.9	115.1	84.3	84.3
87.5°	392.0	542.4	356.7	169.8	124.2	78.6	67.2	54.7	30.8	5.7	6.8
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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

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



REPORT NUMBER: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	8186.2	8107.6	8029.0	7940.1	7850.0	7766.9	7682.5	7590.2	7607.3	7536.7	7466.0
5°	6814.2	6688.9	6562.4	6453.0	6343.6	6249.0	6153.3	6067.9	6141.9	6091.8	6041.7
7.5°	5266.8	5111.8	4955.7	4824.7	4693.6	4592.2	4489.6	4419.0	4491.9	4482.8	4473.7
10°	4405.3	4254.9	4103.4	3958.6	3813.9	3690.9	3566.7	3461.8	3443.6	3391.2	3337.6
12.5°	4031.6	3825.3	3617.9	3466.4	3314.8	3167.8	3020.8	2897.8	2841.9	2755.3	2667.6
15°	3579.2	3335.3	3091.5	2919.4	2746.2	2603.8	2460.2	2354.2	2318.9	2251.7	2184.4
17.5°	2983.2	2716.6	2449.9	2275.6	2100.1	1986.2	1871.1	1800.4	1800.4	1781.0	1761.7
20°	2282.4	2044.3	1806.1	1672.8	1539.5	1479.1	1417.5	1387.9	1397.0	1398.2	1398.2
22.5°	1673.9	1528.1	1382.2	1328.7	1274.0	1252.3	1230.7	1218.1	1222.7	1223.8	1225.0
25°	1318.4	1262.6	1205.6	1178.2	1149.8	1136.1	1122.4	1117.9	1128.1	1129.2	1129.2
27.5°	1157.7	1123.6	1088.2	1071.1	1052.9	1047.2	1041.5	1033.5	1043.8	1043.8	1042.6
30°	1076.8	1040.4	1003.9	982.3	960.6	962.9	964.0	961.7	968.6	973.1	976.6
32.5°	1010.7	975.4	940.1	918.4	895.7	892.2	888.8	886.5	901.3	909.3	917.3
35°	951.5	912.7	874.0	853.5	833.0	825.0	817.0	811.3	825.0	835.3	845.5
37.5°	911.6	871.7	830.7	811.3	790.8	780.6	770.3	763.5	769.2	773.7	778.3
40°	879.7	838.7	796.5	773.7	750.9	740.7	730.4	724.7	728.1	729.3	730.4
42.5°	850.1	810.2	770.3	745.2	719.0	706.5	694.0	687.1	689.4	691.7	692.8
45°	828.4	788.5	747.5	717.9	687.1	673.4	659.8	651.8	652.9	652.9	652.9
47.5°	848.9	790.8	731.6	697.4	662.1	646.1	630.1	622.2	619.9	617.6	615.3
50°	924.1	825.0	724.7	681.4	637.0	619.9	601.7	592.5	586.8	584.6	582.3
52.5°	902.5	817.0	730.4	674.6	617.6	597.1	576.6	561.8	556.1	552.7	549.2
55°	826.1	772.6	717.9	650.7	583.4	565.2	545.8	535.6	525.3	523.0	520.8
57.5°	725.9	704.2	682.6	614.2	545.8	528.7	510.5	503.7	494.5	494.5	493.4
60°	607.4	639.3	671.2	592.5	512.8	493.4	474.0	468.3	464.9	463.8	462.6
62.5°	545.8	598.2	649.5	566.3	482.0	461.5	441.0	434.2	433.0	434.2	434.2
65°	493.4	509.4	525.3	486.6	447.8	427.3	405.7	398.8	401.1	404.5	407.9
67.5°	445.5	442.1	438.7	425.0	410.2	393.1	374.9	368.1	369.2	373.8	378.3
70°	400.0	395.4	389.7	379.5	369.2	354.4	339.6	335.0	333.9	339.6	344.1
72.5°	354.4	348.7	341.9	333.9	324.8	312.2	299.7	296.3	297.4	300.8	304.2
75°	304.2	299.7	294.0	287.2	279.2	267.8	256.4	254.1	256.4	259.8	263.2
77.5°	249.6	248.4	246.1	240.4	234.7	222.2	208.5	207.4	210.8	214.2	216.5
80°	194.9	196.0	197.1	192.6	188.0	174.3	159.5	158.4	161.8	165.2	168.6
82.5°	143.6	147.0	149.3	143.6	137.9	121.9	106.0	103.7	115.1	118.5	121.9
85°	83.2	87.7	92.3	87.7	83.2	67.2	51.3	50.1	60.4	66.1	71.8
87.5°	6.8	9.1	11.4	10.3	9.1	4.6	0.0	0.0	1.1	5.7	10.3
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: P320579

CATALOG NUMBER: GAN-SA5D-727-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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	7421.6	7377.2	7363.5	7349.8	7299.7	7248.4	7300.8	7352.1	7373.7	7395.4	7339.6
5°	6034.8	6026.8	6026.8	6025.7	5980.1	5933.4	5968.7	6002.9	5926.6	5850.2	5842.2
7.5°	4522.7	4571.7	4611.6	4650.3	4635.5	4620.7	4653.7	4686.8	4589.9	4491.9	4444.1
10°	3349.0	3359.3	3402.6	3445.9	3456.1	3465.2	3506.3	3546.1	3470.9	3395.7	3362.7
12.5°	2612.9	2558.2	2563.9	2568.4	2589.0	2608.3	2651.6	2693.8	2663.0	2631.1	2634.5
15°	2116.1	2046.6	2018.1	1988.4	2011.2	2034.0	2064.8	2094.4	2095.5	2095.5	2125.2
17.5°	1727.5	1692.2	1663.7	1634.0	1664.8	1694.4	1697.9	1701.3	1702.4	1703.6	1701.3
20°	1415.3	1432.4	1423.2	1414.1	1425.5	1435.8	1444.9	1452.9	1442.6	1431.2	1402.7
22.5°	1240.9	1255.7	1267.1	1277.4	1296.8	1315.0	1305.9	1295.6	1275.1	1253.5	1231.8
25°	1139.5	1149.8	1161.2	1172.6	1188.5	1203.3	1187.4	1171.4	1156.6	1141.8	1127.0
27.5°	1054.0	1064.3	1074.6	1083.7	1098.5	1112.2	1097.3	1082.5	1070.0	1057.5	1046.1
30°	984.5	991.4	999.3	1007.3	1021.0	1033.5	1021.0	1007.3	998.2	988.0	980.0
32.5°	925.3	932.1	935.5	939.0	951.5	964.0	954.9	945.8	937.8	929.8	924.1
35°	860.3	874.0	876.3	878.6	891.1	903.6	897.9	891.1	882.0	872.9	862.6
37.5°	794.2	810.2	819.3	827.3	839.8	852.3	846.7	841.0	828.4	815.9	797.7
40°	738.4	745.2	762.3	778.3	798.8	818.2	806.8	794.2	774.9	755.5	746.4
42.5°	691.7	690.5	706.5	722.4	753.2	782.8	762.3	741.8	723.6	705.4	703.1
45°	650.7	647.2	655.2	663.2	696.2	728.1	707.6	686.0	675.7	665.5	665.5
47.5°	614.2	611.9	617.6	622.2	642.7	662.1	651.8	641.5	635.8	630.1	631.3
50°	581.1	578.9	584.6	589.1	597.1	603.9	606.2	607.4	603.9	600.5	602.8
52.5°	550.4	550.4	552.7	553.8	564.1	574.3	574.3	573.2	573.2	573.2	575.4
55°	524.2	526.5	526.5	526.5	542.4	557.2	552.7	548.1	549.2	549.2	551.5
57.5°	498.0	501.4	503.7	505.9	521.9	537.8	533.3	528.7	528.7	528.7	529.9
60°	468.3	472.9	477.5	482.0	498.0	513.9	509.4	503.7	504.8	505.9	507.1
62.5°	439.8	444.4	449.0	453.5	469.5	485.4	480.9	475.2	478.6	480.9	480.9
65°	412.5	415.9	420.5	425.0	439.8	454.7	450.1	445.5	450.1	453.5	455.8
67.5°	381.7	384.0	388.6	393.1	407.9	422.8	418.2	412.5	418.2	422.8	427.3
70°	346.4	348.7	354.4	358.9	373.8	388.6	382.9	377.2	382.9	388.6	393.1
72.5°	307.7	309.9	315.6	320.2	337.3	354.4	347.5	340.7	347.5	354.4	356.7
75°	265.5	267.8	274.6	280.3	297.4	314.5	308.8	302.0	307.7	313.4	314.5
77.5°	219.9	223.3	232.5	241.6	255.2	268.9	265.5	262.1	265.5	268.9	268.9
80°	172.1	175.5	186.9	197.1	205.1	213.1	214.2	215.4	216.5	217.6	216.5
82.5°	127.6	132.2	142.4	152.7	152.7	152.7	161.8	169.8	169.8	168.6	167.5
85°	78.6	84.3	93.4	102.6	96.9	91.2	106.0	119.6	119.6	118.5	116.2
87.5°	16.0	21.7	30.8	38.7	33.0	27.3	42.2	57.0	58.1	58.1	55.8
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: P320579
 CATALOG NUMBER: GAN-SA5D-727-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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	7282.6	7371.5	7459.2	7482.0	7516.2	7531.0	7544.7	7656.3	7766.9	7896.8	8026.7
5°	5833.1	5899.2	5965.3	5975.6	6010.9	6029.1	6047.4	6183.0	6317.4	6498.6	6679.8
7.5°	4396.2	4412.2	4428.1	4425.8	4455.5	4495.3	4534.1	4678.8	4822.4	5017.2	5211.0
10°	3329.6	3366.1	3401.4	3434.5	3499.4	3574.6	3648.7	3796.8	3945.0	4137.5	4329.0
12.5°	2638.0	2680.1	2721.1	2757.6	2832.8	2933.1	3032.2	3210.0	3387.7	3617.9	3847.0
15°	2153.7	2150.2	2146.8	2171.9	2238.0	2347.4	2455.6	2643.7	2831.7	3084.6	3336.5
17.5°	1699.0	1681.9	1664.8	1684.2	1745.7	1835.7	1924.6	2084.2	2242.5	2487.5	2732.5
20°	1374.2	1362.8	1351.5	1369.7	1408.4	1446.0	1483.6	1598.7	1712.7	1912.1	2110.4
22.5°	1209.0	1207.9	1205.6	1215.9	1234.1	1253.5	1271.7	1327.5	1382.2	1511.0	1638.6
25°	1112.2	1111.0	1109.9	1114.4	1129.2	1144.1	1158.9	1195.3	1231.8	1293.3	1354.9
27.5°	1034.7	1032.4	1030.1	1031.3	1034.7	1057.5	1079.1	1096.2	1112.2	1154.3	1195.3
30°	972.0	970.9	969.7	969.7	966.3	974.3	982.3	1008.5	1033.5	1076.8	1120.1
32.5°	918.4	912.7	907.0	894.5	886.5	897.9	909.3	936.7	964.0	1003.9	1043.8
35°	851.2	836.4	820.4	813.6	814.7	826.1	837.5	864.9	891.1	934.4	976.6
37.5°	778.3	773.7	768.0	766.9	770.3	781.7	793.1	817.0	839.8	883.1	925.3
40°	737.3	735.0	732.7	730.4	732.7	744.1	755.5	778.3	799.9	842.1	883.1
42.5°	700.8	699.7	698.5	698.5	699.7	712.2	724.7	747.5	769.2	806.8	844.4
45°	665.5	666.6	666.6	668.9	672.3	684.8	696.2	721.3	746.4	782.8	819.3
47.5°	632.4	635.8	638.1	643.8	647.2	660.9	673.4	700.8	728.1	773.7	818.2
50°	603.9	607.4	609.6	614.2	623.3	639.3	655.2	688.3	720.2	796.5	871.7
52.5°	577.7	581.1	584.6	589.1	600.5	618.8	637.0	678.0	717.9	806.8	895.7
55°	553.8	557.2	559.5	566.3	577.7	593.7	608.5	658.6	708.8	773.7	838.7
57.5°	531.0	534.4	536.7	541.3	547.0	564.1	580.0	633.6	687.1	732.7	777.1
60°	507.1	509.4	510.5	510.5	515.1	534.4	553.8	622.2	689.4	681.4	672.3
62.5°	480.9	483.2	484.3	480.9	486.6	507.1	527.6	616.5	705.4	650.7	596.0
65°	456.9	455.8	454.7	451.2	458.1	478.6	498.0	542.4	586.8	565.2	543.5
67.5°	430.7	427.3	423.9	419.3	426.2	444.4	461.5	476.3	491.1	493.4	495.7
70°	397.7	393.1	388.6	387.4	390.9	405.7	420.5	430.7	439.8	444.4	447.8
72.5°	358.9	355.5	352.1	349.8	351.0	363.5	374.9	384.0	393.1	396.5	398.8
75°	315.6	315.6	314.5	307.7	307.7	317.9	327.0	335.0	343.0	347.5	352.1
77.5°	268.9	270.1	270.1	260.9	259.8	270.1	279.2	286.0	291.7	296.3	299.7
80°	215.4	213.1	210.8	205.1	202.8	215.4	226.8	232.5	237.0	238.2	238.2
82.5°	165.2	160.7	155.0	142.4	143.6	157.3	169.8	174.3	178.9	178.9	178.9
85°	112.8	103.7	93.4	83.2	84.3	99.1	112.8	117.4	121.9	124.2	125.3
87.5°	53.6	44.4	34.2	26.2	26.2	38.7	50.1	52.4	54.7	59.3	63.8
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: P320579
 CATALOG NUMBER: GAN-SA5D-727-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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	8125.8	8223.8	8325.2	8426.6	8542.9	8659.1	8794.7	8929.2	9044.3	9159.3	9255.1
5°	6835.9	6992.0	7175.5	7358.9	7592.5	7826.1	8112.1	8397.0	8651.1	8905.2	9200.4
7.5°	5414.9	5617.8	5857.1	6096.4	6398.3	6700.3	7070.6	7441.0	7799.9	8157.7	8611.2
10°	4542.1	4755.2	4991.0	5225.8	5533.4	5840.0	6232.0	6622.8	7026.2	7428.4	7941.2
12.5°	4084.0	4319.9	4527.3	4734.6	4984.2	5232.6	5612.1	5991.5	6465.6	6938.4	7431.9
15°	3595.1	3852.7	4101.1	4349.5	4621.8	4893.0	5262.2	5631.4	6149.9	6668.4	7235.9
17.5°	3003.7	3274.9	3578.0	3880.0	4235.5	4589.9	5062.8	5535.7	6149.9	6763.0	7431.9
20°	2387.3	2664.2	3026.5	3388.9	3831.0	4272.0	4885.1	5498.1	6325.4	7151.5	8005.0
22.5°	1883.6	2127.5	2522.9	2917.1	3427.6	3938.1	4724.4	5509.5	6590.9	7671.1	8823.2
25°	1526.9	1699.0	2087.6	2475.0	3064.1	3653.3	4626.4	5598.4	6977.2	8354.8	9783.8
27.5°	1308.2	1421.0	1783.3	2144.5	2788.4	3431.0	4586.5	5740.8	7467.2	9193.5	10828.7
30°	1198.8	1277.4	1583.9	1889.3	2543.4	3197.5	4538.6	5879.8	7938.9	9996.9	11645.7
32.5°	1107.6	1170.3	1432.4	1693.3	2331.4	2969.5	4446.3	5922.0	8268.2	10614.5	12337.4
35°	1030.1	1082.5	1310.4	1538.3	2165.1	2791.8	4291.4	5791.0	8474.5	11158.0	13057.6
37.5°	967.4	1008.5	1219.3	1430.1	2021.5	2612.9	4114.8	5616.6	8658.0	11699.3	13867.8
40°	918.4	953.8	1150.9	1348.0	1884.7	2421.4	3963.2	5503.8	8910.9	12318.0	14723.5
42.5°	891.1	936.7	1091.6	1245.5	1754.8	2264.2	3841.3	5418.3	9145.7	12871.8	15472.2
45°	884.3	949.2	1060.9	1172.6	1658.0	2143.4	3733.0	5321.5	9297.2	13273.0	16036.3
47.5°	872.9	926.4	1036.9	1147.5	1610.1	2071.6	3674.9	5277.0	9448.8	13619.4	16504.6
50°	879.7	886.5	1017.6	1147.5	1603.3	2059.1	3741.0	5422.9	9777.0	14129.9	17040.2
52.5°	867.2	837.5	981.1	1124.7	1602.1	2079.6	3931.3	5783.0	10386.6	14989.0	17620.2
55°	801.1	762.3	912.7	1063.2	1578.2	2092.1	4158.1	6222.8	11204.8	16185.5	18662.8
57.5°	743.0	707.6	835.3	961.7	1505.3	2048.8	4391.7	6733.3	12069.6	17404.8	19837.6
60°	665.5	657.5	748.7	839.8	1392.5	1944.0	4584.2	7223.3	12650.8	18077.1	20290.0
62.5°	601.7	606.2	673.4	740.7	1251.2	1760.5	4648.0	7534.4	12634.8	17735.3	19834.2
65°	552.7	560.6	626.7	692.8	1130.4	1568.0	4438.4	7307.6	11995.6	16682.4	18932.9
67.5°	504.8	513.9	592.5	670.0	1023.3	1375.4	3914.2	6451.9	10845.8	15238.6	17786.5
70°	459.2	470.6	556.1	641.5	945.8	1248.9	3238.5	5228.0	9406.6	13584.0	16459.0
72.5°	410.2	421.6	512.8	603.9	896.8	1188.5	2640.2	4090.8	7633.5	11175.1	14078.6
75°	360.1	368.1	467.2	565.2	829.6	1093.9	2071.6	3048.2	5842.2	8636.3	10633.9
77.5°	309.9	320.2	403.4	485.4	704.2	921.9	1561.1	2200.4	4286.8	6372.1	7395.4
80°	247.3	256.4	315.6	373.8	543.5	712.2	1073.4	1434.6	2950.2	4465.7	5042.3
82.5°	189.2	199.4	239.3	278.0	387.4	496.8	650.7	804.5	1959.9	3114.3	3162.1
85°	129.9	133.3	161.8	189.2	239.3	289.4	372.6	455.8	1296.8	2137.7	1781.0
87.5°	65.0	65.0	84.3	103.7	128.8	153.8	197.1	239.3	414.8	590.3	339.6
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: P320579
 CATALOG NUMBER: GAN-SA5D-727-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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	9377.0	9460.2	9544.5	9608.3	9673.3	9766.7	9860.1	9877.2	9895.5	9859.0	9822.5
5°	9497.8	9749.6	10002.6	10236.2	10469.8	10609.9	10750.1	10778.6	10807.1	10719.3	10630.4
7.5°	9049.9	9488.7	9927.4	10329.6	10731.9	10975.7	11220.7	11275.4	11331.2	11187.7	11044.1
10°	8451.7	8990.7	9529.7	10059.5	10589.4	10943.8	11298.2	11368.8	11439.5	11260.6	11081.7
12.5°	7989.1	8564.5	9140.0	9698.3	10257.8	10624.7	10991.7	11079.4	11167.1	11037.2	10906.2
15°	7846.6	8387.9	8929.2	9415.7	9903.4	10203.1	10504.0	10539.3	10575.7	10555.2	10534.7
17.5°	8105.3	8594.1	9084.1	9348.5	9614.0	9733.7	9854.4	9893.2	9933.1	9984.3	10036.8
20°	8732.0	9076.2	9421.4	9410.0	9397.5	9339.4	9280.1	9269.9	9259.6	9406.6	9554.7
22.5°	9667.6	9804.3	9942.2	9622.0	9301.8	9106.9	8910.9	8872.2	8832.3	8988.4	9145.7
25°	10682.9	10657.8	10631.6	10021.9	9411.2	9039.7	8668.2	8624.9	8581.6	8714.9	8849.4
27.5°	11687.9	11523.8	11359.7	10531.3	9702.9	9163.9	8624.9	8581.6	8538.3	8656.8	8775.3
30°	12425.2	12161.9	11898.7	10960.9	10023.1	9382.7	8742.3	8671.6	8599.8	8745.7	8891.6
32.5°	13000.6	12647.4	12294.1	11309.6	10325.1	9632.2	8939.4	8828.9	8718.4	8913.2	9108.1
35°	13574.9	13078.1	12580.1	11620.7	10660.1	9927.4	9193.5	9057.9	8922.3	9190.1	9457.9
37.5°	14297.4	13584.0	12869.6	11970.5	11071.4	10369.5	9666.4	9527.4	9388.4	9729.1	10070.9
40°	15081.3	14129.9	13178.4	12353.4	11528.4	10981.4	10433.3	10301.1	10167.8	10582.6	10997.4
42.5°	15733.1	14638.1	13543.0	12814.9	12085.6	11700.4	11314.1	11313.0	11310.7	11731.2	12151.7
45°	16263.0	15062.0	13859.8	13265.0	12669.0	12468.5	12267.9	12428.6	12589.2	12968.7	13349.3
47.5°	16658.4	15417.5	14175.4	13780.0	13384.6	13414.3	13443.9	13770.9	14098.0	14341.8	14586.8
50°	16915.9	15740.0	14562.9	14440.9	14319.0	14584.5	14851.2	15226.1	15602.1	15768.5	15934.8
52.5°	17290.8	16177.6	15063.1	15199.9	15336.6	15879.0	16421.4	16800.9	17180.3	17241.8	17304.5
55°	18158.0	16982.0	15804.9	16067.0	16330.2	17125.6	17922.1	18218.4	18514.7	18537.5	18560.3
57.5°	19389.8	18109.0	16828.2	17110.8	17393.4	18311.8	19231.4	19550.5	19870.7	19826.2	19780.7
60°	20311.7	19179.0	18045.2	18330.1	18615.0	19510.6	20406.3	20773.2	21141.2	21043.2	20945.2
62.5°	20368.6	19763.6	19157.4	19414.9	19673.6	20551.0	21428.4	21805.6	22182.7	22011.8	21840.9
65°	19462.7	19733.9	20005.1	20090.6	20176.1	20994.2	21813.5	22101.8	22391.3	22304.7	22218.1
67.5°	18215.0	19214.3	20214.8	20042.8	19870.7	20254.7	20638.7	20936.1	21233.5	21184.5	21134.4
70°	16969.5	18303.9	19638.2	18792.7	17946.1	17787.7	17629.3	17949.5	18270.8	18072.5	17873.1
72.5°	14848.9	16271.0	17694.2	16136.5	14578.8	14037.6	13496.3	13903.1	14309.9	13994.3	13677.5
75°	11656.0	13227.4	14799.9	12941.4	11082.8	10360.4	9637.9	9987.8	10337.6	10121.1	9903.4
77.5°	8677.3	10225.9	11774.5	9885.2	7994.8	7458.1	6920.2	7023.9	7128.7	7092.3	7054.7
80°	5885.5	6964.7	8044.9	6786.9	5528.9	5569.9	5612.1	5563.1	5512.9	5585.9	5658.8
82.5°	3755.8	4588.8	5422.9	4755.2	4087.4	4470.3	4853.2	4665.1	4476.0	4545.5	4616.1
85°	2143.4	2958.2	3774.0	3517.7	3260.1	3483.5	3707.9	3416.2	3124.5	3252.1	3380.9
87.5°	565.2	1636.3	2708.6	2459.1	2209.5	1920.1	1630.6	1244.3	858.0	1253.5	1648.9
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: P320579
 CATALOG NUMBER: GAN-SA5D-727-U-SLR

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: P320579

CATALOG NUMBER: GAN-SA5D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0	8683.0
2.5°	9803.2	9783.8	9714.3	9643.6	9538.8	9452.2	9301.8
5°	10507.4	10384.3	10172.4	9959.3	9722.3	9449.9	9147.9
7.5°	10756.9	10468.6	10061.8	9653.9	9287.0	8856.2	8455.1
10°	10651.0	10219.1	9690.3	9160.5	8714.9	8219.2	7773.7
12.5°	10448.1	9988.9	9406.6	8823.2	8316.1	7784.0	7284.9
15°	10168.9	9802.0	9256.2	8710.4	8199.9	7682.5	7091.1
17.5°	9863.6	9689.2	9294.9	8899.5	8457.4	7956.0	7262.1
20°	9617.4	9681.2	9524.0	9366.7	9012.3	8574.8	7795.4
22.5°	9451.1	9757.6	9878.4	10000.3	9787.2	9445.4	8544.0
25°	9357.6	9865.8	10270.4	10676.0	10581.4	10318.2	9453.3
27.5°	9398.6	10021.9	10649.8	11278.8	11366.6	11293.6	10411.7
30°	9521.7	10153.0	10917.6	11683.3	12033.2	12131.2	11210.4
32.5°	9726.8	10345.6	11178.5	12012.7	12541.4	12853.6	11940.9
35°	10036.8	10615.6	11483.9	12352.2	13035.9	13605.7	12695.2
37.5°	10568.9	11066.9	11867.9	12670.2	13556.7	14412.5	13525.9
40°	11348.3	11700.4	12377.3	13055.3	14170.9	15326.3	14452.3
42.5°	12331.7	12512.9	13049.6	13586.3	14812.4	16155.9	15358.2
45°	13397.2	13445.0	13782.3	14120.7	15320.6	16721.1	16038.5
47.5°	14422.7	14258.6	14393.1	14527.5	15710.4	17124.5	16554.7
50°	15477.9	15021.0	14950.3	14879.7	16100.1	17599.7	17211.1
52.5°	16551.3	15798.1	15518.9	15238.6	16565.0	18229.8	18028.1
55°	17601.9	16643.6	16267.6	15891.5	17276.0	18999.0	19228.0
57.5°	18694.7	17608.8	17260.1	16911.4	18321.0	19973.2	20304.8
60°	19870.7	18795.0	18515.8	18235.5	19620.0	21026.1	20784.6
62.5°	20986.3	20131.6	19984.6	19836.5	20933.8	21835.2	20597.7
65°	21731.5	21243.8	21380.5	21518.4	21927.5	22036.9	20050.7
67.5°	21233.5	21332.7	21910.4	22489.3	22207.8	21437.5	18972.8
70°	18466.8	19061.6	20430.2	21799.9	21175.4	19831.9	17037.9
72.5°	14345.2	15014.1	17045.9	19078.7	18503.3	16857.8	13994.3
75°	10657.8	11413.3	13655.8	15898.4	15099.6	12609.8	10019.7
77.5°	7560.6	8066.6	10280.6	12495.8	11193.4	8393.6	6742.5
80°	5503.8	5348.8	6582.9	7817.0	7600.5	5551.7	4330.1
82.5°	4237.8	3859.5	4440.7	5021.8	4989.9	3852.7	3176.9
85°	3229.4	3077.8	3591.7	4105.6	3665.8	2609.5	2019.2
87.5°	1882.5	2117.2	2722.3	3328.5	2497.8	792.0	392.0
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: P320579

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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)