

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: P320583

Luminaire Tested: **GAN-SA9D-727-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320583
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-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 50980 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

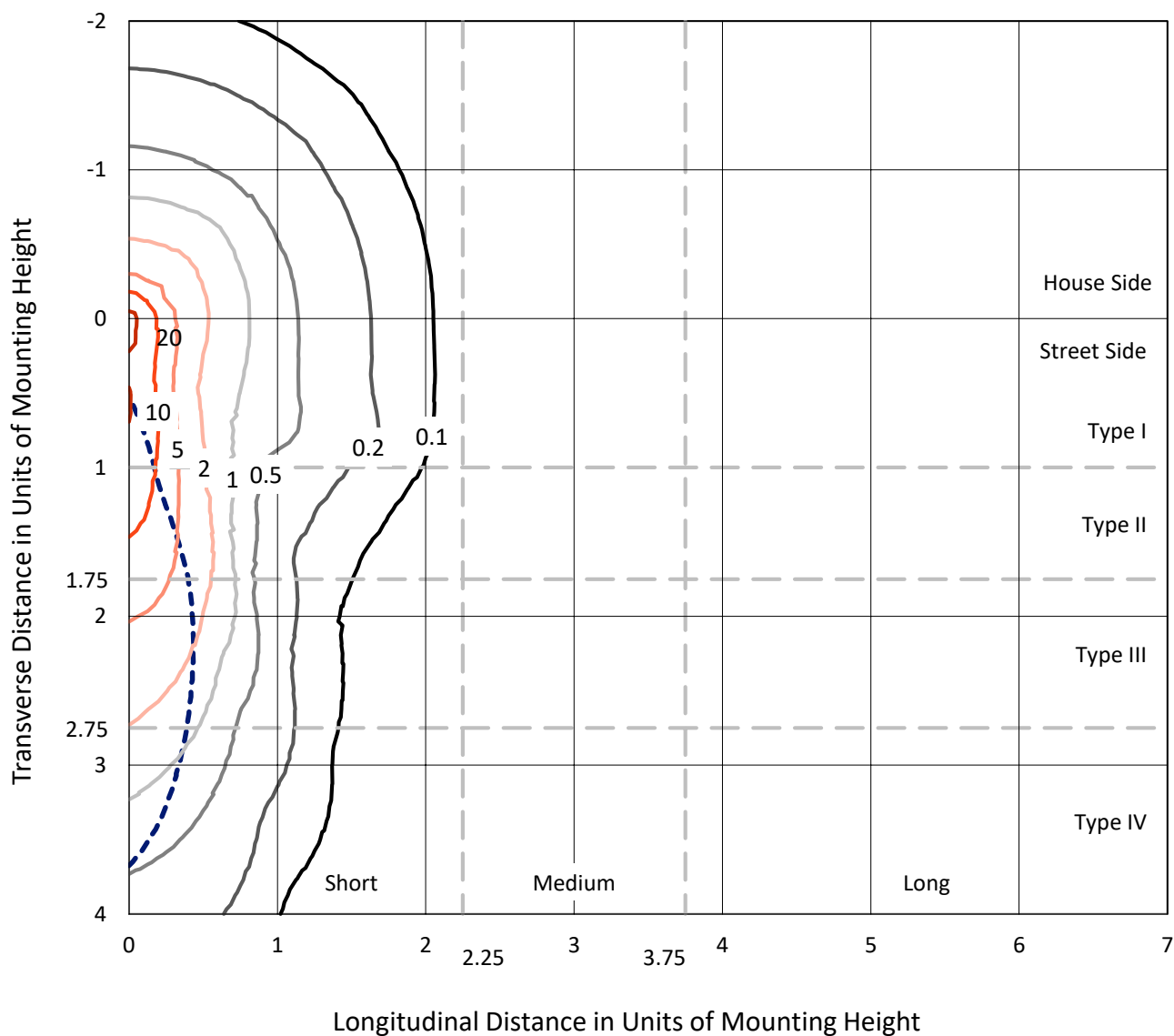
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

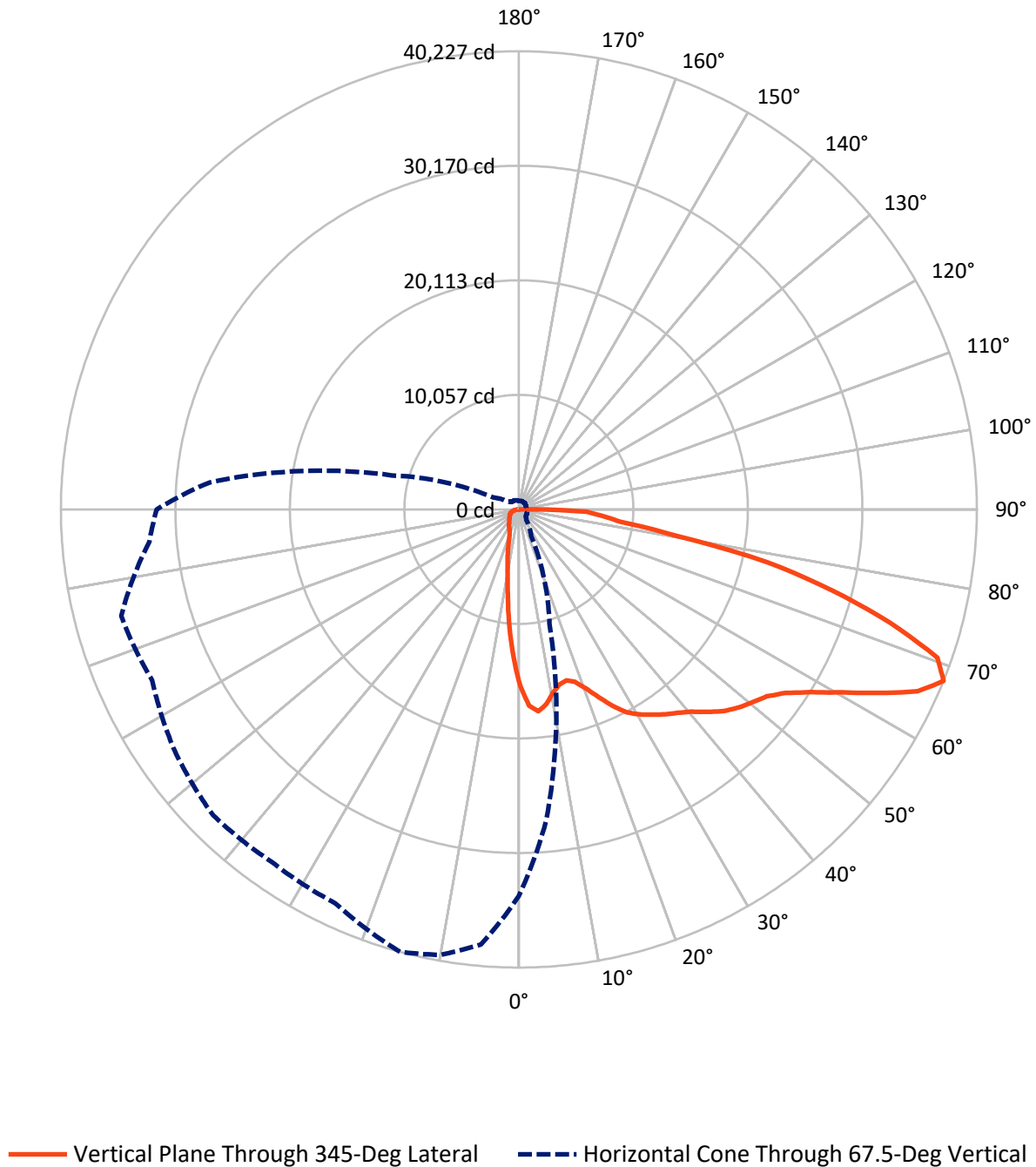
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.9 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	8813.4	0.0	8813.4
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	42166.6	0.0	42166.6
	% Fixture	82.7	0.0	82.7
Total	Lumens	50980.0	0.0	50980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1198.7	2.4
10°-20°	2490.1	4.9
20°-30°	3541.5	6.9
30°-40°	5103.3	10.0
40°-50°	7192.0	14.1
50°-60°	9998.1	19.6
60°-70°	12090.7	23.7
70°-80°	7431.9	14.6
80°-90°	1933.8	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°	50980.0	100.0
0°-180°	50980.0	100.0

Coefficient of Utilization



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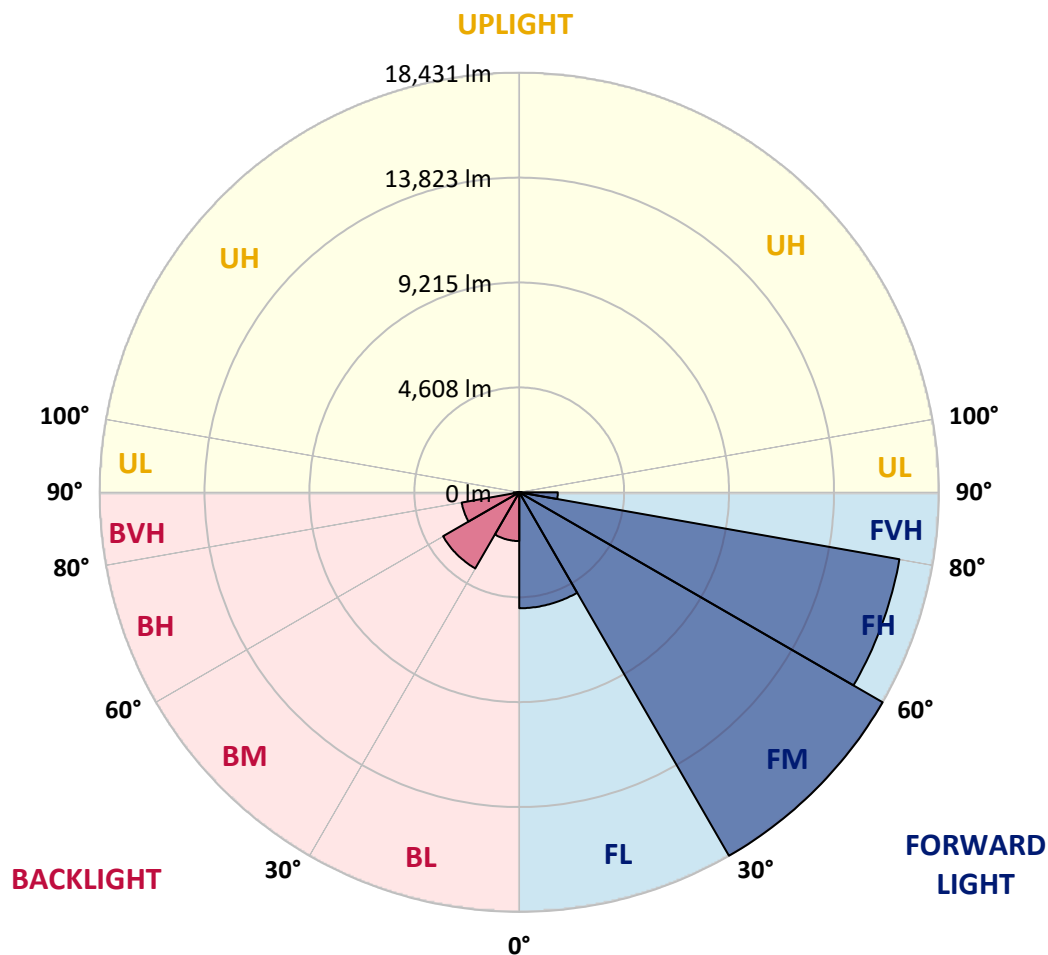
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5090.5	10.0			
FM	(30°-60°)	18430.6	36.2			
FH	(60°-80°)	16954.2	33.3			G5
FVH	(80°-90°)	1691.4	3.3			G5
BL	(0°-30°)	2139.8	4.2	B3/2500		
BM	(30°-60°)	3862.8	7.6	B3/5000		
BH	(60°-80°)	2568.4	5.0	B4/5000		G4/5000
BVH	(80°-90°)	242.4	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	16638.2	16491.4	16269.3	16047.1	15882.0	15714.9	15525.3	15335.7	15119.7	14901.6	14773.2
5°	16363.0	15955.4	15425.4	14895.5	14544.9	14194.3	13796.9	13399.4	13006.0	12612.6	12400.7
7.5°	15123.8	14512.3	13823.4	13134.4	12624.9	12113.3	11563.0	11010.6	10521.4	10030.2	9726.5
10°	13904.9	13171.1	12380.3	11587.4	10935.2	10282.9	9730.6	9176.2	8807.2	8438.3	8159.1
12.5°	13030.5	12217.2	11346.9	10474.5	9822.3	9170.1	8819.5	8468.9	8163.2	7857.4	7535.4
15°	12684.0	11764.7	10874.0	9981.3	9388.1	8795.0	8405.7	8014.4	7604.7	7193.0	6797.5
17.5°	12989.7	11913.5	10945.4	9977.2	9200.6	8424.1	7879.8	7333.6	6793.5	6253.3	5794.7
20°	13943.6	12569.8	11304.1	10036.3	9002.9	7969.5	7239.8	6508.1	5815.1	5122.1	4602.4
22.5°	15282.7	13464.6	11811.6	10158.6	8823.6	7486.5	6571.3	5654.1	4834.7	4015.3	3505.8
25°	16909.3	14650.9	12543.3	10433.8	8750.2	7064.5	5939.4	4814.3	3950.1	3083.9	2721.1
27.5°	18623.4	16065.4	13452.4	10837.3	8762.4	6687.5	5407.5	4125.4	3346.8	2568.2	2319.5
30°	20052.2	17681.8	14512.3	11340.8	8809.3	6277.8	4906.1	3534.3	2892.3	2250.2	2089.2
32.5°	21358.7	18808.9	15311.3	11811.6	8862.3	5910.9	4518.8	3124.6	2600.8	2074.9	1942.4
35°	22708.1	19809.7	15869.8	11927.8	8770.6	5611.3	4253.8	2896.3	2413.3	1928.2	1816.1
37.5°	24193.9	20892.0	16407.9	11921.7	8615.7	5309.6	4048.0	2784.2	2291.0	1795.7	1714.2
40°	25851.0	22088.4	16990.8	11893.1	8475.0	5054.8	3895.1	2733.3	2223.7	1712.1	1642.8
42.5°	27471.4	23229.9	17533.0	11836.1	8360.9	4883.6	3744.3	2604.9	2162.6	1718.2	1620.4
45°	28688.3	24226.6	18003.8	11779.0	8275.3	4771.5	3626.0	2480.5	2105.5	1730.5	1606.1
47.5°	29611.6	25227.3	18525.6	11821.8	8267.1	4712.4	3542.5	2372.5	1997.5	1620.4	1569.4
50°	30785.6	26429.9	19285.9	12141.8	8379.2	4616.6	3444.6	2270.6	1893.5	1516.5	1585.8
52.5°	32247.0	28146.1	20464.0	12779.8	8613.6	4447.4	3289.7	2132.0	1767.2	1400.3	1508.3
55°	34393.3	30345.4	21970.2	13593.0	8896.9	4198.8	3055.3	1909.8	1600.0	1288.2	1384.0
57.5°	36319.4	32567.0	23415.3	14261.6	9074.3	3884.9	2759.8	1634.7	1412.5	1190.3	1245.4
60°	37177.5	33712.5	24092.0	14469.5	8968.3	3467.1	2427.5	1386.0	1247.4	1108.8	1098.6
62.5°	36843.3	32984.9	23425.5	13866.2	8450.6	3034.9	2134.0	1233.1	1129.2	1023.2	1000.8
65°	35864.9	30698.0	21558.5	12419.0	7576.1	2733.3	1948.6	1163.8	1047.7	931.5	907.0
67.5°	33936.7	27442.9	18912.9	10382.8	6465.3	2547.8	1842.6	1137.3	996.7	854.0	825.5
70°	30475.8	23525.4	15865.7	8203.9	5319.8	2433.7	1773.3	1112.9	941.7	768.4	741.9
72.5°	25031.7	18861.9	12669.7	6475.5	4447.4	2419.4	1765.1	1110.8	896.8	682.8	658.4
75°	17922.3	14326.8	9671.5	5014.1	3642.3	2270.6	1675.4	1080.3	835.7	589.1	566.6
77.5°	12060.3	9916.1	6722.1	3526.2	2702.7	1879.3	1408.4	937.6	715.4	493.3	470.8
80°	7745.3	6862.8	4504.5	2146.3	1752.9	1359.5	1006.9	654.3	521.8	387.3	368.9
82.5°	5682.6	5107.8	3130.7	1153.6	974.3	792.9	615.5	438.2	356.7	275.2	267.0
85°	3611.8	3982.7	2305.3	627.8	513.6	399.5	330.2	260.9	205.9	150.8	150.8
87.5°	701.2	970.2	638.0	303.7	222.2	140.6	120.3	97.8	55.0	10.2	12.2
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°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	14642.7	14502.1	14361.5	14202.5	14041.5	13892.7	13741.8	13576.7	13607.3	13480.9	13354.6
5°	12188.7	11964.5	11738.2	11542.6	11346.9	11177.7	11006.5	10853.6	10986.1	10896.4	10806.8
7.5°	9420.8	9143.6	8864.3	8629.9	8395.5	8214.1	8030.7	7904.3	8034.8	8018.4	8002.1
10°	7879.8	7610.8	7339.7	7080.9	6822.0	6601.9	6379.7	6192.2	6159.6	6065.8	5970.0
12.5°	7211.3	6842.4	6471.4	6200.3	5929.2	5666.3	5403.4	5183.3	5083.4	4928.5	4771.5
15°	6402.1	5965.9	5529.8	5222.0	4912.2	4657.4	4400.6	4211.0	4147.8	4027.6	3907.3
17.5°	5336.1	4859.2	4382.2	4070.4	3756.5	3552.7	3346.8	3220.4	3220.4	3185.8	3151.1
20°	4082.6	3656.6	3230.6	2992.1	2753.7	2645.6	2535.6	2482.6	2498.9	2500.9	2500.9
22.5°	2994.2	2733.3	2472.4	2376.6	2278.8	2240.0	2201.3	2178.9	2187.0	2189.1	2191.1
25°	2358.2	2258.4	2156.5	2107.5	2056.6	2032.1	2007.7	1999.5	2017.9	2019.9	2019.9
27.5°	2070.9	2009.7	1946.5	1915.9	1883.3	1873.1	1863.0	1848.7	1867.0	1867.0	1865.0
30°	1926.1	1860.9	1795.7	1757.0	1718.2	1722.3	1724.4	1720.3	1732.5	1740.7	1746.8
32.5°	1807.9	1744.7	1681.6	1642.8	1602.1	1595.9	1589.8	1585.8	1612.3	1626.5	1640.8
35°	1701.9	1632.6	1563.3	1526.6	1490.0	1475.7	1461.4	1451.2	1475.7	1494.0	1512.4
37.5°	1630.6	1559.3	1485.9	1451.2	1414.5	1396.2	1377.9	1365.6	1375.8	1384.0	1392.1
40°	1573.5	1500.1	1424.7	1384.0	1343.2	1324.9	1306.5	1296.3	1302.4	1304.5	1306.5
42.5°	1520.5	1449.2	1377.9	1333.0	1286.1	1263.7	1241.3	1229.1	1233.1	1237.2	1239.3
45°	1481.8	1410.5	1337.1	1284.1	1229.1	1204.6	1180.1	1165.9	1167.9	1167.9	1167.9
47.5°	1518.5	1414.5	1308.6	1247.4	1184.2	1155.7	1127.1	1112.9	1108.8	1104.7	1100.7
50°	1653.0	1475.7	1296.3	1218.9	1139.4	1108.8	1076.2	1059.9	1049.7	1045.6	1041.5
52.5°	1614.3	1461.4	1306.5	1206.6	1104.7	1068.0	1031.4	1004.9	994.7	988.5	982.4
55°	1477.7	1381.9	1284.1	1163.8	1043.6	1011.0	976.3	958.0	939.6	935.6	931.5
57.5°	1298.4	1259.6	1220.9	1098.6	976.3	945.7	913.1	900.9	884.6	884.6	882.6
60°	1086.4	1143.5	1200.5	1059.9	917.2	882.6	847.9	837.7	831.6	829.6	827.5
62.5°	976.3	1070.1	1161.8	1013.0	862.2	825.5	788.8	776.6	774.5	776.6	776.6
65°	882.6	911.1	939.6	870.3	801.0	764.3	725.6	713.4	717.5	723.6	729.7
67.5°	797.0	790.8	784.7	760.3	733.8	703.2	670.6	658.4	660.4	668.5	676.7
70°	715.4	707.3	697.1	678.7	660.4	633.9	607.4	599.2	597.2	607.4	615.5
72.5°	633.9	623.7	611.5	597.2	580.9	558.5	536.1	529.9	532.0	538.1	544.2
75°	544.2	536.1	525.9	513.6	499.4	479.0	458.6	454.5	458.6	464.7	470.8
77.5°	446.4	444.3	440.3	430.1	419.9	397.5	373.0	371.0	377.1	383.2	387.3
80°	348.5	350.6	352.6	344.5	336.3	311.9	285.4	283.3	289.4	295.5	301.7
82.5°	256.8	262.9	267.0	256.8	246.6	218.1	189.6	185.5	205.9	212.0	218.1
85°	148.8	156.9	165.1	156.9	148.8	120.3	91.7	89.7	108.0	118.2	128.4
87.5°	12.2	16.3	20.4	18.3	16.3	8.2	0.0	0.0	2.0	10.2	18.3
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: P320583
 CATALOG NUMBER: GAN-SA9D-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: P320583

CATALOG NUMBER: GAN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	13275.1	13195.6	13171.1	13146.7	13057.0	12965.3	13059.0	13150.7	13189.5	13228.2	13128.3
5°	10794.5	10780.3	10780.3	10778.2	10696.7	10613.1	10676.3	10737.5	10600.9	10464.3	10450.1
7.5°	8089.8	8177.4	8248.8	8318.1	8291.6	8265.1	8324.2	8383.3	8210.0	8034.8	7949.1
10°	5990.4	6008.7	6086.2	6163.6	6182.0	6198.3	6271.7	6343.0	6208.5	6074.0	6014.9
12.5°	4673.7	4575.9	4586.0	4594.2	4630.9	4665.5	4743.0	4818.4	4763.4	4706.3	4712.4
15°	3785.0	3660.7	3609.7	3556.7	3597.5	3638.3	3693.3	3746.3	3748.3	3748.3	3801.3
17.5°	3090.0	3026.8	2975.8	2922.8	2977.9	3030.9	3037.0	3043.1	3045.1	3047.2	3043.1
20°	2531.5	2562.1	2545.8	2529.5	2549.8	2568.2	2584.5	2598.8	2580.4	2560.0	2509.1
22.5°	2219.6	2246.1	2266.5	2284.9	2319.5	2352.1	2335.8	2317.5	2280.8	2242.1	2203.3
25°	2038.2	2056.6	2077.0	2097.4	2125.9	2152.4	2123.8	2095.3	2068.8	2042.3	2015.8
27.5°	1885.4	1903.7	1922.1	1938.4	1964.9	1989.3	1962.8	1936.3	1913.9	1891.5	1871.1
30°	1761.0	1773.3	1787.5	1801.8	1826.3	1848.7	1826.3	1801.8	1785.5	1767.2	1752.9
32.5°	1655.1	1667.3	1673.4	1679.5	1701.9	1724.4	1708.0	1691.7	1677.5	1663.2	1653.0
35°	1538.9	1563.3	1567.4	1571.5	1593.9	1616.3	1606.1	1593.9	1577.6	1561.3	1542.9
37.5°	1420.7	1449.2	1465.5	1479.8	1502.2	1524.6	1514.4	1504.2	1481.8	1459.4	1426.8
40°	1320.8	1333.0	1363.6	1392.1	1428.8	1463.5	1443.1	1420.7	1386.0	1351.4	1335.0
42.5°	1237.2	1235.2	1263.7	1292.2	1347.3	1400.3	1363.6	1326.9	1294.3	1261.7	1257.6
45°	1163.8	1157.7	1172.0	1186.3	1245.4	1302.4	1265.7	1227.0	1208.7	1190.3	1190.3
47.5°	1098.6	1094.5	1104.7	1112.9	1149.6	1184.2	1165.9	1147.5	1137.3	1127.1	1129.2
50°	1039.5	1035.4	1045.6	1053.8	1068.0	1080.3	1084.3	1086.4	1080.3	1074.2	1078.2
52.5°	984.5	984.5	988.5	990.6	1008.9	1027.3	1027.3	1025.2	1025.2	1025.2	1029.3
55°	937.6	941.7	941.7	941.7	970.2	996.7	988.5	980.4	982.4	982.4	986.5
57.5°	890.7	896.8	900.9	905.0	933.5	962.1	953.9	945.7	945.7	945.7	947.8
60°	837.7	845.9	854.0	862.2	890.7	919.2	911.1	900.9	902.9	905.0	907.0
62.5°	786.8	794.9	803.1	811.2	839.8	868.3	860.1	849.9	856.1	860.1	860.1
65°	737.8	744.0	752.1	760.3	786.8	813.3	805.1	797.0	805.1	811.2	815.3
67.5°	682.8	686.9	695.0	703.2	729.7	756.2	748.0	737.8	748.0	756.2	764.3
70°	619.6	623.7	633.9	642.0	668.5	695.0	684.8	674.7	684.8	695.0	703.2
72.5°	550.3	554.4	564.6	572.7	603.3	633.9	621.7	609.4	621.7	633.9	638.0
75°	474.9	479.0	491.2	501.4	532.0	562.6	552.4	540.1	550.3	560.5	562.6
77.5°	393.4	399.5	415.8	432.1	456.6	481.0	474.9	468.8	474.9	481.0	481.0
80°	307.8	313.9	334.3	352.6	366.9	381.2	383.2	385.2	387.3	389.3	387.3
82.5°	228.3	236.4	254.8	273.1	273.1	273.1	289.4	303.7	303.7	301.7	299.6
85°	140.6	150.8	167.1	183.4	173.3	163.1	189.6	214.0	214.0	212.0	207.9
87.5°	28.5	38.7	55.0	69.3	59.1	48.9	75.4	101.9	104.0	104.0	99.9
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: P320583
 CATALOG NUMBER: GAN-SA9D-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: P320583

CATALOG NUMBER: GAN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	13026.4	13185.4	13342.3	13383.1	13444.2	13470.7	13495.2	13695.0	13892.7	14125.0	14357.4
5°	10433.8	10552.0	10670.2	10688.5	10751.7	10784.3	10817.0	11059.5	11300.0	11624.1	11948.2
7.5°	7863.5	7892.1	7920.6	7916.5	7969.5	8040.9	8110.2	8369.0	8625.8	8974.4	9320.9
10°	5955.7	6021.0	6084.2	6143.3	6259.4	6394.0	6526.5	6791.4	7056.4	7400.9	7743.3
12.5°	4718.5	4793.9	4867.3	4932.5	5067.1	5246.4	5423.8	5741.7	6059.7	6471.4	6881.1
15°	3852.3	3846.2	3840.0	3884.9	4003.1	4198.8	4392.4	4728.7	5065.0	5517.5	5968.0
17.5°	3039.0	3008.4	2977.9	3012.5	3122.6	3283.6	3442.6	3727.9	4011.3	4449.5	4887.7
20°	2458.1	2437.7	2417.4	2450.0	2519.3	2586.5	2653.8	2859.7	3063.5	3420.2	3774.8
22.5°	2162.6	2160.5	2156.5	2174.8	2207.4	2242.1	2274.7	2374.6	2472.4	2702.7	2931.0
25°	1989.3	1987.3	1985.2	1993.4	2019.9	2046.4	2072.9	2138.1	2203.3	2313.4	2423.5
27.5°	1850.7	1846.6	1842.6	1844.6	1850.7	1891.5	1930.2	1960.8	1989.3	2064.7	2138.1
30°	1738.6	1736.6	1734.5	1734.5	1728.4	1742.7	1757.0	1803.8	1848.7	1926.1	2003.6
32.5°	1642.8	1632.6	1622.4	1600.0	1585.8	1606.1	1626.5	1675.4	1724.4	1795.7	1867.0
35°	1522.6	1496.1	1467.5	1455.3	1457.3	1477.7	1498.1	1547.0	1593.9	1671.4	1746.8
37.5°	1392.1	1384.0	1373.8	1371.7	1377.9	1398.2	1418.6	1461.4	1502.2	1579.6	1655.1
40°	1318.7	1314.7	1310.6	1306.5	1310.6	1331.0	1351.4	1392.1	1430.8	1506.3	1579.6
42.5°	1253.5	1251.5	1249.4	1249.4	1251.5	1273.9	1296.3	1337.1	1375.8	1443.1	1510.3
45°	1190.3	1192.4	1192.4	1196.4	1202.6	1225.0	1245.4	1290.2	1335.0	1400.3	1465.5
47.5°	1131.2	1137.3	1141.4	1151.6	1157.7	1182.2	1204.6	1253.5	1302.4	1384.0	1463.5
50°	1080.3	1086.4	1090.5	1098.6	1114.9	1143.5	1172.0	1231.1	1288.2	1424.7	1559.3
52.5°	1033.4	1039.5	1045.6	1053.8	1074.2	1106.8	1139.4	1212.8	1284.1	1443.1	1602.1
55°	990.6	996.7	1000.8	1013.0	1033.4	1061.9	1088.4	1178.1	1267.8	1384.0	1500.1
57.5°	949.8	955.9	960.0	968.2	978.4	1008.9	1037.5	1133.3	1229.1	1310.6	1390.1
60°	907.0	911.1	913.1	913.1	921.3	955.9	990.6	1112.9	1233.1	1218.9	1202.6
62.5°	860.1	864.2	866.3	860.1	870.3	907.0	943.7	1102.7	1261.7	1163.8	1066.0
65°	817.3	815.3	813.3	807.1	819.4	856.1	890.7	970.2	1049.7	1011.0	972.2
67.5°	770.5	764.3	758.2	750.1	762.3	794.9	825.5	852.0	878.5	882.6	886.6
70°	711.3	703.2	695.0	693.0	699.1	725.6	752.1	770.5	786.8	794.9	801.0
72.5°	642.0	635.9	629.8	625.7	627.8	650.2	670.6	686.9	703.2	709.3	713.4
75°	564.6	564.6	562.6	550.3	550.3	568.7	585.0	599.2	613.5	621.7	629.8
77.5°	481.0	483.1	483.1	466.8	464.7	483.1	499.4	511.6	521.8	529.9	536.1
80°	385.2	381.2	377.1	366.9	362.8	385.2	405.6	415.8	424.0	426.0	426.0
82.5°	295.5	287.4	277.2	254.8	256.8	281.3	303.7	311.9	320.0	320.0	320.0
85°	201.8	185.5	167.1	148.8	150.8	177.3	201.8	209.9	218.1	222.2	224.2
87.5°	95.8	79.5	61.1	46.9	46.9	69.3	89.7	93.8	97.8	106.0	114.1
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: P320583
 CATALOG NUMBER: GAN-SA9D-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: P320583

CATALOG NUMBER: GAN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	14534.7	14710.0	14891.4	15072.8	15280.7	15488.6	15731.2	15971.7	16177.5	16383.4	16554.6
5°	12227.4	12506.7	12834.8	13163.0	13580.8	13998.7	14510.3	15019.8	15474.3	15928.9	16456.8
7.5°	9685.7	10048.5	10476.6	10904.6	11444.7	11984.9	12647.3	13309.7	13951.8	14591.8	15403.0
10°	8124.4	8505.6	8927.5	9347.4	9897.7	10446.0	11147.1	11846.3	12567.8	13287.3	14204.5
12.5°	7305.1	7727.0	8097.9	8468.9	8915.3	9359.6	10038.3	10717.1	11565.0	12410.9	13293.4
15°	6430.7	6891.3	7335.6	7780.0	8267.1	8752.2	9412.6	10073.0	11000.4	11927.8	12942.8
17.5°	5372.8	5857.9	6400.1	6940.2	7576.1	8210.0	9055.9	9901.8	11000.4	12097.0	13293.4
20°	4270.1	4765.4	5413.6	6061.7	6852.6	7641.4	8737.9	9834.5	11314.3	12792.0	14318.7
22.5°	3369.2	3805.4	4512.7	5217.9	6131.0	7044.2	8450.6	9854.9	11789.2	13721.5	15782.1
25°	2731.2	3039.0	3734.1	4427.1	5480.8	6534.6	8275.3	10013.9	12480.2	14944.4	17500.4
27.5°	2339.9	2541.7	3189.8	3836.0	4987.6	6137.1	8203.9	10268.7	13356.6	16444.5	19369.4
30°	2144.2	2284.9	2833.2	3379.4	4549.4	5719.3	8118.3	10517.3	14200.4	17881.5	20830.8
32.5°	1981.2	2093.3	2562.1	3028.8	4170.2	5311.7	7953.2	10592.7	14789.5	18986.2	22068.1
35°	1842.6	1936.3	2344.0	2751.6	3872.7	4993.7	7676.0	10358.3	15158.4	19958.5	23356.2
37.5°	1730.5	1803.8	2180.9	2558.0	3615.8	4673.7	7360.1	10046.5	15486.6	20926.6	24805.4
40°	1642.8	1706.0	2058.6	2411.2	3371.3	4331.3	7089.0	9844.7	15939.1	22033.4	26336.1
42.5°	1593.9	1675.4	1952.6	2227.8	3138.9	4050.0	6870.9	9691.8	16358.9	23024.0	27675.3
45°	1581.7	1697.9	1897.6	2097.4	2965.6	3833.9	6677.3	9518.6	16630.0	23741.5	28684.2
47.5°	1561.3	1657.1	1854.8	2052.5	2880.0	3705.5	6573.3	9439.1	16901.1	24361.1	29521.9
50°	1573.5	1585.8	1820.2	2052.5	2867.8	3683.1	6691.6	9700.0	17488.1	25274.2	30479.9
52.5°	1551.1	1498.1	1754.9	2011.7	2865.8	3719.8	7031.9	10344.1	18578.6	26811.0	31517.3
55°	1432.9	1363.6	1632.6	1901.7	2823.0	3742.2	7437.5	11130.8	20042.0	28951.2	33382.3
57.5°	1328.9	1265.7	1494.0	1720.3	2692.5	3664.8	7855.4	12044.0	21589.1	31132.1	35483.8
60°	1190.3	1176.1	1339.1	1502.2	2490.7	3477.2	8199.9	12920.4	22628.6	32334.7	36293.0
62.5°	1076.2	1084.3	1204.6	1324.9	2238.0	3149.1	8314.0	13476.9	22600.0	31723.2	35477.7
65°	988.5	1002.8	1121.0	1239.3	2021.9	2804.6	7939.0	13071.3	21456.6	29839.9	33865.4
67.5°	902.9	919.2	1059.9	1198.5	1830.3	2460.2	7001.4	11540.5	19400.0	27257.4	31814.9
70°	821.4	841.8	994.7	1147.5	1691.7	2233.9	5792.7	9351.5	16825.7	24297.9	29440.4
72.5°	733.8	754.1	917.2	1080.3	1604.1	2125.9	4722.6	7317.3	13654.2	19989.0	25182.5
75°	644.1	658.4	835.7	1011.0	1483.8	1956.7	3705.5	5452.3	10450.1	15447.8	19020.9
77.5°	554.4	572.7	721.5	868.3	1259.6	1648.9	2792.4	3935.8	7667.9	11397.9	13228.2
80°	442.3	458.6	564.6	668.5	972.2	1273.9	1920.0	2566.1	5277.0	7987.9	9019.2
82.5°	338.3	356.7	428.0	497.3	693.0	888.7	1163.8	1439.0	3505.8	5570.5	5656.1
85°	232.4	238.5	289.4	338.3	428.0	517.7	666.5	815.3	2319.5	3823.7	3185.8
87.5°	116.2	116.2	150.8	185.5	230.3	275.2	352.6	428.0	741.9	1055.8	607.4
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: P320583
 CATALOG NUMBER: GAN-SA9D-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: P320583

CATALOG NUMBER: GAN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	16772.7	16921.5	17072.3	17186.5	17302.6	17469.8	17636.9	17667.5	17700.1	17634.9	17569.7
5°	16988.8	17439.2	17891.7	18309.5	18727.4	18978.1	19228.8	19279.7	19330.7	19173.8	19014.8
7.5°	16187.7	16972.4	17757.2	18476.7	19196.2	19632.4	20070.6	20168.4	20268.3	20011.5	19754.6
10°	15117.6	16081.7	17045.8	17993.6	18941.4	19575.3	20209.2	20335.5	20461.9	20141.9	19821.9
12.5°	14290.1	15319.4	16348.7	17347.5	18348.3	19004.6	19660.9	19817.8	19974.8	19742.4	19508.0
15°	14035.3	15003.5	15971.7	16842.0	17714.4	18250.4	18788.5	18851.7	18916.9	18880.2	18843.6
17.5°	14498.0	15372.4	16248.9	16721.7	17196.7	17410.7	17626.7	17696.0	17767.4	17859.1	17952.8
20°	15619.1	16234.6	16852.2	16831.8	16809.4	16705.4	16599.4	16581.1	16562.8	16825.7	17090.7
22.5°	17292.5	17537.0	17783.7	17210.9	16638.2	16289.6	15939.1	15869.8	15798.4	16077.7	16358.9
25°	19108.5	19063.7	19016.8	17926.3	16833.8	16169.4	15504.9	15427.5	15350.0	15588.5	15829.0
27.5°	20906.3	20612.7	20319.2	18837.4	17355.6	16391.5	15427.5	15350.0	15272.6	15484.5	15696.5
30°	22225.0	21754.2	21283.3	19605.9	17928.4	16782.9	15637.4	15511.0	15382.6	15643.5	15904.4
32.5°	23254.3	22622.5	21990.6	20229.6	18468.5	17229.3	15990.0	15792.3	15594.6	15943.1	16291.7
35°	24281.6	23392.9	22502.2	20786.0	19067.8	17757.2	16444.5	16202.0	15959.4	16438.4	16917.4
37.5°	25573.8	24297.9	23019.9	21411.7	19803.6	18548.0	17290.4	17041.7	16793.1	17402.5	18014.0
40°	26976.1	25274.2	23572.3	22096.6	20620.9	19642.5	18662.2	18425.7	18187.2	18929.2	19671.1
42.5°	28142.0	26183.3	24224.5	22922.1	21617.6	20928.7	20237.7	20235.7	20231.6	20983.7	21735.8
45°	29089.8	26941.5	24791.1	23727.2	22661.2	22302.5	21943.7	22231.1	22518.5	23197.2	23878.0
47.5°	29797.1	27577.4	25355.7	24648.5	23941.2	23994.2	24047.2	24632.2	25217.1	25653.3	26091.5
50°	30257.7	28154.2	26048.7	25830.7	25612.6	26087.5	26564.4	27235.0	27907.6	28205.2	28502.8
52.5°	30928.3	28936.9	26943.5	27188.1	27432.7	28402.9	29373.1	30051.9	30730.6	30840.7	30952.8
55°	32479.4	30375.9	28270.4	28739.2	29210.1	30632.8	32057.5	32587.4	33117.4	33158.1	33198.9
57.5°	34682.7	32391.8	30100.8	30606.3	31111.7	32754.6	34399.4	34970.1	35542.9	35463.4	35381.9
60°	36331.7	34305.7	32277.6	32787.2	33296.7	34898.8	36500.9	37157.2	37815.5	37640.2	37464.9
62.5°	36433.6	35351.3	34266.9	34727.6	35190.3	36759.7	38329.2	39003.8	39678.5	39372.7	39067.0
65°	34813.2	35298.3	35783.4	35936.3	36089.1	37552.6	39018.1	39533.8	40051.5	39896.6	39741.7
67.5°	32581.3	34368.9	36158.4	35850.7	35542.9	36229.8	36916.7	37448.6	37980.6	37893.0	37803.3
70°	30353.5	32740.3	35127.1	33614.7	32100.3	31817.0	31533.7	32106.4	32681.2	32326.5	31969.8
72.5°	26560.3	29104.1	31649.8	28863.6	26077.3	25109.1	24140.9	24868.6	25596.3	25031.7	24465.0
75°	20849.2	23659.9	26472.7	23148.3	19823.9	18531.7	17239.5	17865.2	18490.9	18103.7	17714.4
77.5°	15521.2	18291.2	21061.2	17681.8	14300.3	13340.3	12378.2	12563.7	12751.2	12686.0	12618.8
80°	10527.5	12457.7	14390.0	12139.8	9889.6	9962.9	10038.3	9950.7	9861.0	9991.5	10121.9
82.5°	6718.0	8208.0	9700.0	8505.6	7311.2	7996.0	8680.9	8344.6	8006.2	8130.6	8256.9
85°	3833.9	5291.3	6750.7	6292.1	5831.4	6230.9	6632.4	6110.7	5588.9	5817.1	6047.5
87.5°	1011.0	2926.9	4844.9	4398.5	3952.2	3434.4	2916.7	2225.8	1534.8	2242.1	2949.3
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



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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: P320583

CATALOG NUMBER: GAN-SA9D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4	15531.4
2.5°	17535.0	17500.4	17376.0	17249.6	17062.1	16907.2	16638.2
5°	18794.6	18574.5	18195.4	17814.2	17390.3	16903.1	16363.0
7.5°	19241.0	18725.3	17997.7	17268.0	16611.7	15841.2	15123.8
10°	19051.5	18279.0	17333.2	16385.4	15588.5	14701.8	13904.9
12.5°	18688.6	17867.2	16825.7	15782.1	14875.1	13923.2	13030.5
15°	18189.3	17533.0	16556.6	15580.3	14667.2	13741.8	12684.0
17.5°	17643.0	17331.2	16625.9	15918.7	15127.8	14231.0	12989.7
20°	17202.8	17316.9	17035.6	16754.4	16120.5	15337.8	13943.6
22.5°	16905.2	17453.5	17669.5	17887.6	17506.5	16895.0	15282.7
25°	16738.0	17647.1	18370.7	19096.3	18927.1	18456.3	16909.3
27.5°	16811.4	17926.3	19049.4	20174.5	20331.5	20201.0	18623.4
30°	17031.6	18160.7	19528.4	20898.1	21523.8	21699.1	20052.2
32.5°	17398.4	18505.2	19995.2	21487.2	22432.9	22991.4	21358.7
35°	17952.8	18988.3	20541.4	22094.6	23317.5	24336.6	22708.1
37.5°	18904.7	19795.4	21228.3	22663.2	24249.0	25779.7	24193.9
40°	20298.9	20928.7	22139.4	23352.1	25347.6	27414.4	25851.0
42.5°	22057.9	22381.9	23342.0	24302.0	26495.1	28898.2	27471.4
45°	23963.6	24049.2	24652.5	25257.9	27404.2	29909.2	28688.3
47.5°	25798.0	25504.5	25745.0	25985.6	28101.3	30630.7	29611.6
50°	27685.5	26868.1	26741.7	26615.4	28798.3	31480.7	30785.6
52.5°	29605.5	28258.2	27758.8	27257.4	29629.9	32607.8	32247.0
55°	31484.7	29770.6	29098.0	28425.3	30901.8	33983.6	34393.3
57.5°	33439.4	31497.0	30873.3	30249.6	32770.9	35726.3	36319.4
60°	35542.9	33618.8	33119.4	32618.0	35094.5	37609.7	37177.5
62.5°	37538.3	36009.6	35746.7	35481.7	37444.6	39056.8	36843.3
65°	38871.3	37999.0	38243.5	38490.2	39221.9	39417.6	35864.9
67.5°	37980.6	38157.9	39191.3	40226.8	39723.3	38345.5	33936.7
70°	33031.8	34095.7	36543.7	38993.6	37876.7	35473.6	30475.8
72.5°	25659.4	26855.9	30490.1	34126.3	33097.0	30153.8	25031.7
75°	19063.7	20415.0	24426.3	28437.6	27008.8	22555.2	17922.3
77.5°	13523.7	14428.7	18389.0	22351.4	20021.7	15013.7	12060.3
80°	9844.7	9567.5	11774.9	13982.3	13595.1	9930.3	7745.3
82.5°	7580.2	6903.5	7943.0	8982.5	8925.5	6891.3	5682.6
85°	5776.4	5505.3	6424.5	7343.8	6557.0	4667.6	3611.8
87.5°	3367.2	3787.1	4869.4	5953.7	4467.8	1416.6	701.2
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: P320583
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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)