

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: P320778

Luminaire Tested: **GAN-SA4D-827-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320778
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-SA4D-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 20220 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

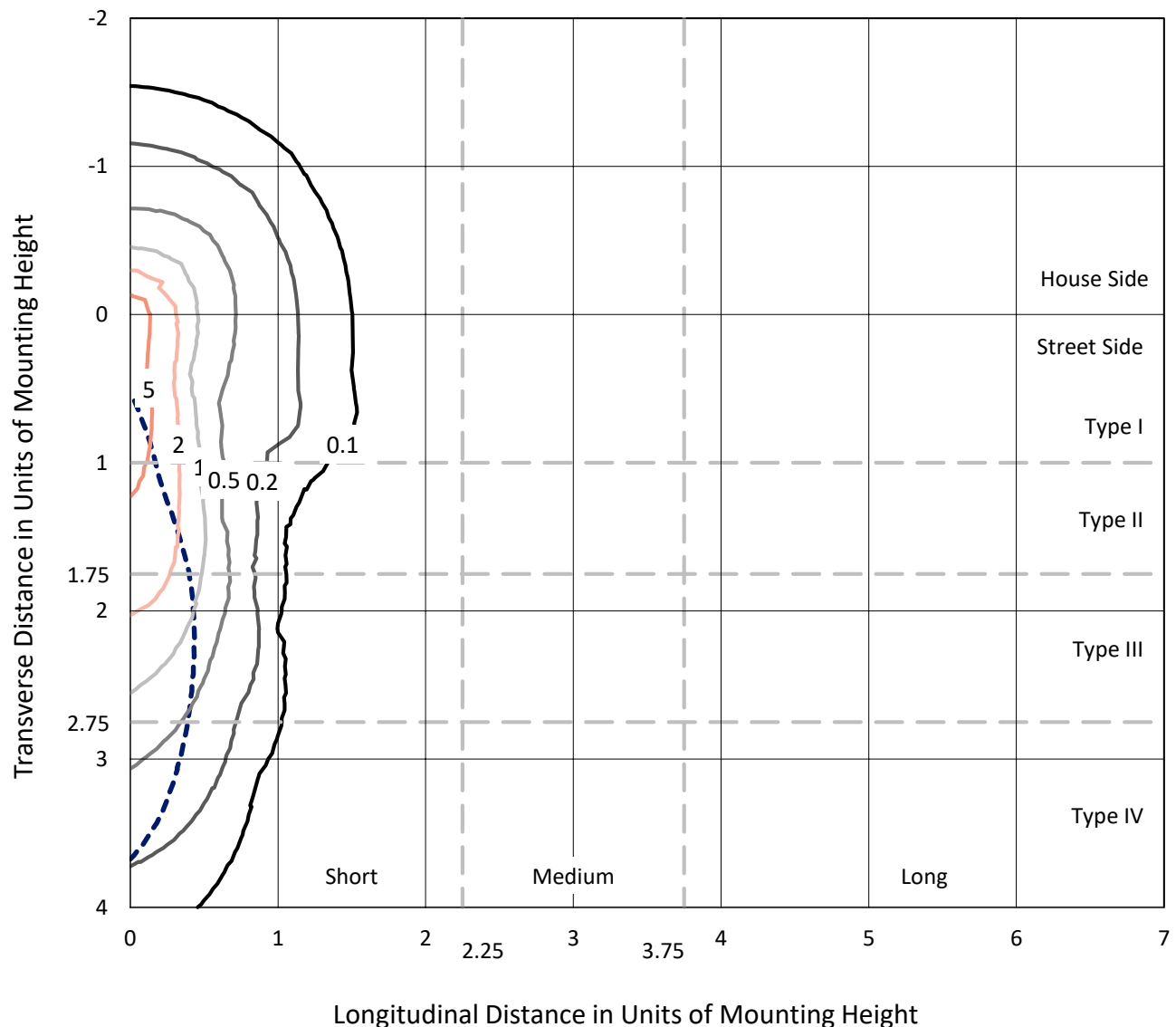
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

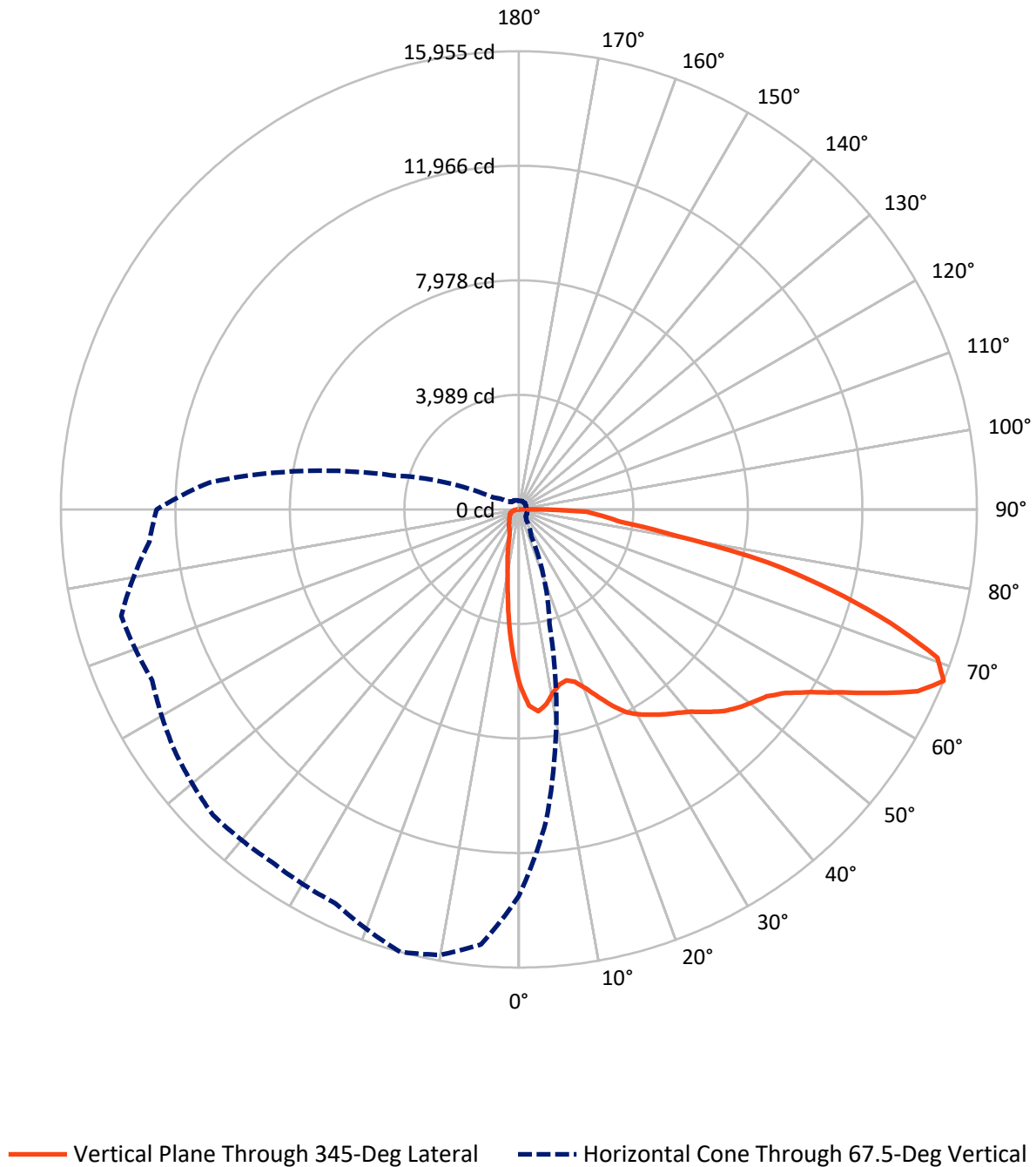
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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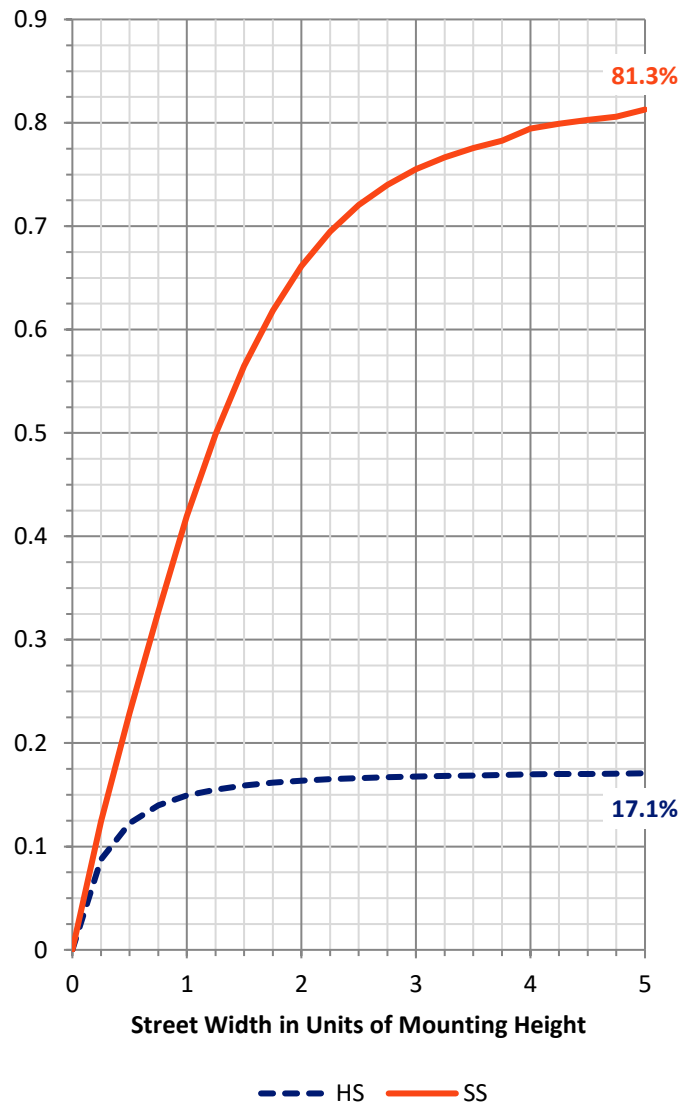
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3495.6	0.0	3495.6
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	16724.4	0.0	16724.4
	% Fixture	82.7	0.0	82.7
Total	Lumens	20220.0	0.0	20220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	2.4
10°-20°	987.6	4.9
20°-30°	1404.6	6.9
30°-40°	2024.1	10.0
40°-50°	2852.5	14.1
50°-60°	3965.5	19.6
60°-70°	4795.5	23.7
70°-80°	2947.7	14.6
80°-90°	767.0	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°	20220.0	100.0
0°-180°	20220.0	100.0

Coefficient of Utilization



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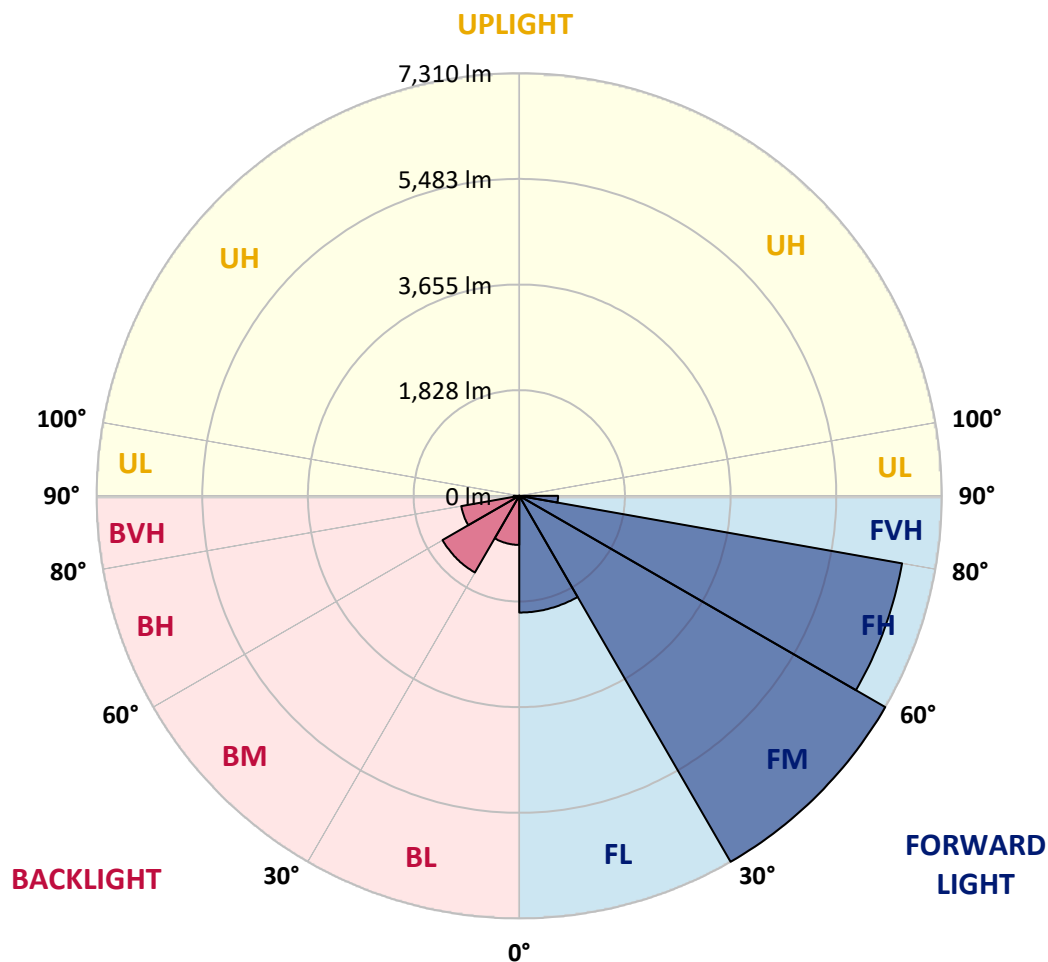
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2019.0	10.0			
FM	(30°-60°)	7310.0	36.2			
FH	(60°-80°)	6724.5	33.3			G3/7500
FVH	(80°-90°)	670.9	3.3			G4/750
BL	(0°-30°)	848.7	4.2	B2/1000		
BM	(30°-60°)	1532.1	7.6	B2/2500		
BH	(60°-80°)	1018.7	5.0	B3/2500		G3/2500
BVH	(80°-90°)	96.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	6599.1	6540.9	6452.8	6364.7	6299.2	6232.9	6157.7	6082.6	5996.9	5910.4	5859.4
5°	6490.0	6328.3	6118.1	5907.9	5768.9	5629.8	5472.2	5314.6	5158.5	5002.5	4918.4
7.5°	5998.5	5756.0	5482.7	5209.5	5007.4	4804.4	4586.2	4367.1	4173.1	3978.2	3857.8
10°	5515.0	5224.0	4910.3	4595.9	4337.2	4078.5	3859.4	3639.5	3493.2	3346.9	3236.1
12.5°	5168.2	4845.7	4500.5	4154.5	3895.8	3637.1	3498.0	3359.0	3237.7	3116.5	2988.7
15°	5030.8	4666.2	4312.9	3958.8	3723.6	3488.3	3333.9	3178.7	3016.2	2852.9	2696.1
17.5°	5152.1	4725.2	4341.2	3957.2	3649.2	3341.2	3125.4	2908.7	2694.5	2480.2	2298.3
20°	5530.4	4985.5	4483.5	3980.7	3570.8	3160.9	2871.5	2581.3	2306.4	2031.6	1825.4
22.5°	6061.5	5340.4	4684.8	4029.2	3499.7	2969.3	2606.3	2242.6	1917.6	1592.6	1390.5
25°	6706.7	5810.9	4975.0	4138.3	3470.5	2802.0	2355.7	1909.5	1566.7	1223.1	1079.2
27.5°	7386.5	6372.0	5335.6	4298.4	3475.4	2652.4	2144.7	1636.2	1327.4	1018.6	920.0
30°	7953.2	7013.0	5756.0	4498.1	3494.0	2489.9	1945.9	1401.8	1147.1	892.5	828.6
32.5°	8471.4	7460.1	6072.9	4684.8	3515.0	2344.4	1792.3	1239.3	1031.5	823.0	770.4
35°	9006.6	7857.0	6294.4	4730.9	3478.6	2225.6	1687.2	1148.8	957.2	764.8	720.3
37.5°	9595.9	8286.3	6507.8	4728.5	3417.2	2105.9	1605.5	1104.3	908.7	712.2	679.9
40°	10253.2	8760.9	6739.0	4717.1	3361.4	2004.9	1544.9	1084.1	882.0	679.1	651.6
42.5°	10895.9	9213.6	6954.0	4694.5	3316.1	1937.0	1485.1	1033.2	857.7	681.5	642.7
45°	11378.5	9608.9	7140.8	4671.9	3282.2	1892.5	1438.2	983.8	835.1	686.3	637.0
47.5°	11744.7	10005.8	7347.7	4688.8	3279.0	1869.1	1405.0	941.0	792.3	642.7	622.5
50°	12210.4	10482.8	7649.3	4815.8	3323.4	1831.1	1366.2	900.6	751.0	601.5	629.0
52.5°	12790.0	11163.5	8116.5	5068.8	3416.4	1764.0	1304.8	845.6	700.9	555.4	598.2
55°	13641.3	12035.8	8714.0	5391.4	3528.8	1665.3	1211.8	757.5	634.6	510.9	548.9
57.5°	14405.2	12916.9	9287.1	5656.5	3599.1	1540.8	1094.6	648.4	560.2	472.1	493.9
60°	14745.6	13371.3	9555.5	5739.0	3557.0	1375.1	962.8	549.7	494.8	439.8	435.7
62.5°	14613.0	13082.7	9291.2	5499.7	3351.7	1203.7	846.4	489.1	447.9	405.8	396.9
65°	14225.0	12175.6	8550.7	4925.7	3004.9	1084.1	772.8	461.6	415.5	369.4	359.7
67.5°	13460.2	10884.6	7501.3	4118.1	2564.3	1010.5	730.8	451.1	395.3	338.7	327.4
70°	12087.5	9330.8	6292.7	3253.9	2110.0	965.3	703.3	441.4	373.5	304.8	294.3
72.5°	9928.2	7481.1	5025.1	2568.4	1764.0	959.6	700.1	440.6	355.7	270.8	261.1
75°	7108.4	5682.4	3836.0	1988.7	1444.6	900.6	664.5	428.5	331.5	233.6	224.7
77.5°	4783.4	3933.0	2666.2	1398.6	1072.0	745.4	558.6	371.9	283.8	195.6	186.7
80°	3072.0	2722.0	1786.6	851.3	695.2	539.2	399.4	259.5	207.0	153.6	146.3
82.5°	2253.9	2025.9	1241.7	457.6	386.4	314.5	244.1	173.8	141.5	109.1	105.9
85°	1432.5	1579.7	914.3	249.0	203.7	158.5	131.0	103.5	81.7	59.8	59.8
87.5°	278.1	384.8	253.0	120.5	88.1	55.8	47.7	38.8	21.8	4.0	4.9
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



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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°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	5807.7	5751.9	5696.1	5633.1	5569.2	5510.2	5450.4	5384.9	5397.0	5346.9	5296.8
5°	4834.4	4745.4	4655.7	4578.1	4500.5	4433.4	4365.5	4304.8	4357.4	4321.8	4286.2
7.5°	3736.5	3626.6	3515.8	3422.9	3329.9	3257.9	3185.2	3135.1	3186.8	3180.3	3173.9
10°	3125.4	3018.6	2911.1	2808.5	2705.8	2618.5	2530.4	2456.0	2443.0	2405.9	2367.9
12.5°	2860.2	2713.9	2566.7	2459.2	2351.7	2247.4	2143.1	2055.8	2016.2	1954.8	1892.5
15°	2539.2	2366.2	2193.2	2071.2	1948.3	1847.2	1745.4	1670.2	1645.1	1597.4	1549.7
17.5°	2116.4	1927.3	1738.1	1614.4	1489.9	1409.1	1327.4	1277.3	1277.3	1263.6	1249.8
20°	1619.3	1450.3	1281.3	1186.8	1092.2	1049.3	1005.7	984.7	991.1	991.9	991.9
22.5°	1187.6	1084.1	980.6	942.6	903.8	888.5	873.1	864.2	867.4	868.2	869.1
25°	935.3	895.7	855.3	835.9	815.7	806.0	796.3	793.1	800.3	801.1	801.1
27.5°	821.4	797.1	772.0	759.9	747.0	742.9	738.9	733.2	740.5	740.5	739.7
30°	764.0	738.1	712.2	696.9	681.5	683.1	683.9	682.3	687.2	690.4	692.8
32.5°	717.1	692.0	666.9	651.6	635.4	633.0	630.6	629.0	639.5	645.1	650.8
35°	675.0	647.5	620.1	605.5	591.0	585.3	579.6	575.6	585.3	592.6	599.8
37.5°	646.7	618.4	589.3	575.6	561.0	553.8	546.5	541.6	545.7	548.9	552.2
40°	624.1	595.0	565.1	548.9	532.7	525.5	518.2	514.2	516.6	517.4	518.2
42.5°	603.1	574.8	546.5	528.7	510.1	501.2	492.3	487.5	489.1	490.7	491.5
45°	587.7	559.4	530.3	509.3	487.5	477.8	468.1	462.4	463.2	463.2	463.2
47.5°	602.3	561.0	519.0	494.8	469.7	458.4	447.1	441.4	439.8	438.2	436.5
50°	655.6	585.3	514.2	483.4	451.9	439.8	426.8	420.4	416.3	414.7	413.1
52.5°	640.3	579.6	518.2	478.6	438.2	423.6	409.1	398.6	394.5	392.1	389.7
55°	586.1	548.1	509.3	461.6	413.9	401.0	387.2	380.0	372.7	371.1	369.4
57.5°	515.0	499.6	484.2	435.7	387.2	375.1	362.2	357.3	350.9	350.9	350.0
60°	430.9	453.5	476.2	420.4	363.8	350.0	336.3	332.3	329.8	329.0	328.2
62.5°	387.2	424.4	460.8	401.8	342.0	327.4	312.9	308.0	307.2	308.0	308.0
65°	350.0	361.4	372.7	345.2	317.7	303.2	287.8	282.9	284.6	287.0	289.4
67.5°	316.1	313.7	311.2	301.5	291.0	278.9	266.0	261.1	261.9	265.2	268.4
70°	283.8	280.5	276.5	269.2	261.9	251.4	240.9	237.7	236.9	240.9	244.1
72.5°	251.4	247.4	242.5	236.9	230.4	221.5	212.6	210.2	211.0	213.4	215.8
75°	215.8	212.6	208.6	203.7	198.1	190.0	181.9	180.3	181.9	184.3	186.7
77.5°	177.0	176.2	174.6	170.6	166.5	157.6	147.9	147.1	149.6	152.0	153.6
80°	138.2	139.0	139.9	136.6	133.4	123.7	113.2	112.4	114.8	117.2	119.6
82.5°	101.9	104.3	105.9	101.9	97.8	86.5	75.2	73.6	81.7	84.1	86.5
85°	59.0	62.2	65.5	62.2	59.0	47.7	36.4	35.6	42.8	46.9	50.9
87.5°	4.9	6.5	8.1	7.3	6.5	3.2	0.0	0.0	0.8	4.0	7.3
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: P320778
 CATALOG NUMBER: GAN-SA4D-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: P320778

CATALOG NUMBER: GAN-SA4D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	5265.2	5233.7	5224.0	5214.3	5178.7	5142.4	5179.5	5215.9	5231.3	5246.6	5207.0
5°	4281.4	4275.7	4275.7	4274.9	4242.6	4209.4	4234.5	4258.8	4204.6	4150.4	4144.8
7.5°	3208.6	3243.4	3271.7	3299.2	3288.7	3278.1	3301.6	3325.0	3256.3	3186.8	3152.8
10°	2375.9	2383.2	2413.9	2444.7	2451.9	2458.4	2487.5	2515.8	2462.4	2409.1	2385.6
12.5°	1853.7	1814.9	1818.9	1822.2	1836.7	1850.5	1881.2	1911.1	1889.3	1866.6	1869.1
15°	1501.2	1451.9	1431.7	1410.7	1426.9	1443.0	1464.9	1485.9	1486.7	1486.7	1507.7
17.5°	1225.6	1200.5	1180.3	1159.3	1181.1	1202.1	1204.5	1207.0	1207.8	1208.6	1207.0
20°	1004.1	1016.2	1009.7	1003.2	1011.3	1018.6	1025.1	1030.7	1023.5	1015.4	995.2
22.5°	880.4	890.9	899.0	906.2	920.0	932.9	926.4	919.2	904.6	889.3	873.9
25°	808.4	815.7	823.8	831.9	843.2	853.7	842.4	831.1	820.5	810.0	799.5
27.5°	747.8	755.1	762.3	768.8	779.3	789.0	778.5	768.0	759.1	750.2	742.1
30°	698.5	703.3	709.0	714.6	724.3	733.2	724.3	714.6	708.2	700.9	695.2
32.5°	656.4	661.3	663.7	666.1	675.0	683.9	677.5	671.0	665.3	659.7	655.6
35°	610.4	620.1	621.7	623.3	632.2	641.1	637.0	632.2	625.7	619.2	612.0
37.5°	563.5	574.8	581.3	586.9	595.8	604.7	600.7	596.6	587.7	578.8	565.9
40°	523.9	528.7	540.8	552.2	566.7	580.4	572.4	563.5	549.7	536.0	529.5
42.5°	490.7	489.9	501.2	512.5	534.4	555.4	540.8	526.3	513.3	500.4	498.8
45°	461.6	459.2	464.8	470.5	493.9	516.6	502.0	486.7	479.4	472.1	472.1
47.5°	435.7	434.1	438.2	441.4	455.9	469.7	462.4	455.1	451.1	447.1	447.9
50°	412.3	410.7	414.7	418.0	423.6	428.5	430.1	430.9	428.5	426.0	427.7
52.5°	390.5	390.5	392.1	392.9	400.2	407.4	407.4	406.6	406.6	406.6	408.3
55°	371.9	373.5	373.5	373.5	384.8	395.3	392.1	388.9	389.7	389.7	391.3
57.5°	353.3	355.7	357.3	358.9	370.3	381.6	378.3	375.1	375.1	375.1	375.9
60°	332.3	335.5	338.7	342.0	353.3	364.6	361.4	357.3	358.1	358.9	359.7
62.5°	312.1	315.3	318.5	321.8	333.1	344.4	341.2	337.1	339.5	341.2	341.2
65°	292.6	295.1	298.3	301.5	312.1	322.6	319.3	316.1	319.3	321.8	323.4
67.5°	270.8	272.4	275.7	278.9	289.4	299.9	296.7	292.6	296.7	299.9	303.2
70°	245.8	247.4	251.4	254.7	265.2	275.7	271.6	267.6	271.6	275.7	278.9
72.5°	218.3	219.9	223.9	227.2	239.3	251.4	246.6	241.7	246.6	251.4	253.0
75°	188.4	190.0	194.8	198.9	211.0	223.1	219.1	214.2	218.3	222.3	223.1
77.5°	156.0	158.5	164.9	171.4	181.1	190.8	188.4	185.9	188.4	190.8	190.8
80°	122.1	124.5	132.6	139.9	145.5	151.2	152.0	152.8	153.6	154.4	153.6
82.5°	90.5	93.8	101.1	108.3	108.3	108.3	114.8	120.5	120.5	119.6	118.8
85°	55.8	59.8	66.3	72.8	68.7	64.7	75.2	84.9	84.9	84.1	82.5
87.5°	11.3	15.4	21.8	27.5	23.4	19.4	29.9	40.4	41.2	41.2	39.6
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: P320778
 CATALOG NUMBER: GAN-SA4D-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: P320778

CATALOG NUMBER: GAN-SA4D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	5166.6	5229.7	5291.9	5308.1	5332.3	5342.9	5352.6	5431.8	5510.2	5602.4	5694.5
5°	4138.3	4185.2	4232.1	4239.4	4264.4	4277.4	4290.3	4386.5	4481.9	4610.4	4739.0
7.5°	3118.9	3130.2	3141.5	3139.9	3160.9	3189.2	3216.7	3319.4	3421.2	3559.5	3696.9
10°	2362.2	2388.1	2413.1	2436.6	2482.7	2536.0	2588.6	2693.7	2798.8	2935.4	3071.2
12.5°	1871.5	1901.4	1930.5	1956.4	2009.7	2080.9	2151.2	2277.3	2403.4	2566.7	2729.2
15°	1527.9	1525.5	1523.1	1540.8	1587.7	1665.3	1742.1	1875.5	2008.9	2188.4	2367.1
17.5°	1205.4	1193.2	1181.1	1194.8	1238.5	1302.4	1365.4	1478.6	1591.0	1764.8	1938.6
20°	975.0	966.9	958.8	971.7	999.2	1025.9	1052.6	1134.2	1215.1	1356.5	1497.2
22.5°	857.7	856.9	855.3	862.6	875.5	889.3	902.2	941.8	980.6	1072.0	1162.5
25°	789.0	788.2	787.4	790.6	801.1	811.7	822.2	848.0	873.9	917.6	961.2
27.5°	734.0	732.4	730.8	731.6	734.0	750.2	765.6	777.7	789.0	818.9	848.0
30°	689.6	688.8	688.0	688.0	685.5	691.2	696.9	715.5	733.2	764.0	794.7
32.5°	651.6	647.5	643.5	634.6	629.0	637.0	645.1	664.5	683.9	712.2	740.5
35°	603.9	593.4	582.1	577.2	578.0	586.1	594.2	613.6	632.2	662.9	692.8
37.5°	552.2	548.9	544.9	544.1	546.5	554.6	562.7	579.6	595.8	626.5	656.4
40°	523.0	521.4	519.8	518.2	519.8	527.9	536.0	552.2	567.5	597.4	626.5
42.5°	497.2	496.4	495.6	495.6	496.4	505.3	514.2	530.3	545.7	572.4	599.0
45°	472.1	472.9	472.9	474.5	477.0	485.9	493.9	511.7	529.5	555.4	581.3
47.5°	448.7	451.1	452.7	456.8	459.2	468.9	477.8	497.2	516.6	548.9	580.4
50°	428.5	430.9	432.5	435.7	442.2	453.5	464.8	488.3	510.9	565.1	618.4
52.5°	409.9	412.3	414.7	418.0	426.0	439.0	451.9	481.0	509.3	572.4	635.4
55°	392.9	395.3	396.9	401.8	409.9	421.2	431.7	467.3	502.8	548.9	595.0
57.5°	376.7	379.1	380.8	384.0	388.0	400.2	411.5	449.5	487.5	519.8	551.3
60°	359.7	361.4	362.2	362.2	365.4	379.1	392.9	441.4	489.1	483.4	477.0
62.5°	341.2	342.8	343.6	341.2	345.2	359.7	374.3	437.4	500.4	461.6	422.8
65°	324.2	323.4	322.6	320.1	325.0	339.5	353.3	384.8	416.3	401.0	385.6
67.5°	305.6	303.2	300.7	297.5	302.3	315.3	327.4	337.9	348.4	350.0	351.7
70°	282.1	278.9	275.7	274.9	277.3	287.8	298.3	305.6	312.1	315.3	317.7
72.5°	254.7	252.2	249.8	248.2	249.0	257.9	266.0	272.4	278.9	281.3	282.9
75°	223.9	223.9	223.1	218.3	218.3	225.5	232.0	237.7	243.3	246.6	249.8
77.5°	190.8	191.6	191.6	185.1	184.3	191.6	198.1	202.9	207.0	210.2	212.6
80°	152.8	151.2	149.6	145.5	143.9	152.8	160.9	164.9	168.2	169.0	169.0
82.5°	117.2	114.0	109.9	101.1	101.9	111.6	120.5	123.7	126.9	126.9	126.9
85°	80.0	73.6	66.3	59.0	59.8	70.3	80.0	83.3	86.5	88.1	88.9
87.5°	38.0	31.5	24.3	18.6	18.6	27.5	35.6	37.2	38.8	42.0	45.3
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: P320778
 CATALOG NUMBER: GAN-SA4D-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: P320778

CATALOG NUMBER: GAN-SA4D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	5764.8	5834.4	5906.3	5978.3	6060.7	6143.2	6239.4	6334.8	6416.4	6498.1	6566.0
5°	4849.7	4960.5	5090.6	5220.8	5386.5	5552.2	5755.1	5957.2	6137.5	6317.8	6527.2
7.5°	3841.6	3985.5	4155.3	4325.0	4539.3	4753.5	5016.2	5279.0	5533.6	5787.5	6109.2
10°	3222.4	3373.5	3540.9	3707.4	3925.7	4143.2	4421.3	4698.5	4984.7	5270.1	5633.9
12.5°	2897.4	3064.7	3211.9	3359.0	3536.0	3712.3	3981.5	4250.7	4587.0	4922.5	5272.5
15°	2550.6	2733.3	2909.5	3085.7	3279.0	3471.4	3733.3	3995.2	4363.0	4730.9	5133.5
17.5°	2131.0	2323.4	2538.4	2752.7	3004.9	3256.3	3591.8	3927.3	4363.0	4798.0	5272.5
20°	1693.6	1890.1	2147.2	2404.2	2717.9	3030.8	3465.7	3900.6	4487.5	5073.6	5679.2
22.5°	1336.3	1509.3	1789.8	2069.6	2431.7	2793.9	3351.7	3908.7	4675.9	5442.3	6259.6
25°	1083.3	1205.4	1481.0	1755.9	2173.8	2591.8	3282.2	3971.8	4950.0	5927.3	6941.1
27.5°	928.1	1008.1	1265.2	1521.4	1978.2	2434.2	3253.9	4072.8	5297.6	6522.3	7682.4
30°	850.5	906.2	1123.7	1340.4	1804.4	2268.4	3219.9	4171.4	5632.3	7092.3	8262.1
32.5°	785.8	830.2	1016.2	1201.3	1654.0	2106.7	3154.5	4201.4	5865.9	7530.4	8752.8
35°	730.8	768.0	929.7	1091.4	1536.0	1980.6	3044.5	4108.4	6012.2	7916.1	9263.7
37.5°	686.3	715.5	865.0	1014.6	1434.1	1853.7	2919.2	3984.7	6142.4	8300.1	9838.5
40°	651.6	676.6	816.5	956.4	1337.1	1717.9	2811.7	3904.7	6321.8	8739.0	10445.6
42.5°	632.2	664.5	774.5	883.6	1245.0	1606.3	2725.2	3844.0	6488.4	9131.9	10976.7
45°	627.3	673.4	752.6	831.9	1176.3	1520.6	2648.4	3775.3	6595.9	9416.5	11376.9
47.5°	619.2	657.2	735.7	814.1	1142.3	1469.7	2607.2	3743.8	6703.4	9662.2	11709.2
50°	624.1	629.0	721.9	814.1	1137.4	1460.8	2654.0	3847.3	6936.2	10024.4	12089.1
52.5°	615.2	594.2	696.0	797.9	1136.6	1475.4	2789.1	4102.7	7368.8	10634.0	12500.6
55°	568.3	540.8	647.5	754.3	1119.7	1484.3	2949.9	4414.8	7949.2	11482.8	13240.3
57.5°	527.1	502.0	592.6	682.3	1067.9	1453.5	3115.7	4777.0	8562.8	12347.8	14073.8
60°	472.1	466.5	531.1	595.8	987.9	1379.2	3252.3	5124.6	8975.1	12824.8	14394.7
62.5°	426.8	430.1	477.8	525.5	887.6	1249.0	3297.5	5345.3	8963.8	12582.3	14071.4
65°	392.1	397.7	444.6	491.5	802.0	1112.4	3148.8	5184.4	8510.2	11835.3	13431.9
67.5°	358.1	364.6	420.4	475.4	726.0	975.8	2776.9	4577.3	7694.5	10811.0	12618.6
70°	325.8	333.9	394.5	455.1	671.0	886.0	2297.5	3709.0	6673.5	9637.2	11676.8
72.5°	291.0	299.1	363.8	428.5	636.2	843.2	1873.1	2902.2	5415.6	7928.2	9988.0
75°	255.5	261.1	331.5	401.0	588.5	776.1	1469.7	2162.5	4144.8	6127.0	7544.2
77.5°	219.9	227.2	286.2	344.4	499.6	654.0	1107.5	1561.1	3041.3	4520.7	5246.6
80°	175.4	181.9	223.9	265.2	385.6	505.3	761.5	1017.8	2093.0	3168.2	3577.3
82.5°	134.2	141.5	169.8	197.3	274.9	352.5	461.6	570.7	1390.5	2209.4	2243.4
85°	92.2	94.6	114.8	134.2	169.8	205.3	264.4	323.4	920.0	1516.6	1263.6
87.5°	46.1	46.1	59.8	73.6	91.4	109.1	139.9	169.8	294.3	418.8	240.9
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: P320778

CATALOG NUMBER: GAN-SA4D-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: P320778

CATALOG NUMBER: GAN-SA4D-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	6652.5	6711.5	6771.3	6816.6	6862.7	6929.0	6995.3	7007.4	7020.3	6994.5	6968.6
5°	6738.2	6916.8	7096.3	7262.0	7427.8	7527.2	7626.6	7646.8	7667.1	7604.8	7541.8
7.5°	6420.5	6731.7	7043.0	7328.3	7613.7	7786.7	7960.5	7999.3	8038.9	7937.1	7835.2
10°	5996.1	6378.4	6760.8	7136.7	7512.7	7764.1	8015.5	8065.6	8115.7	7988.8	7861.9
12.5°	5667.8	6076.1	6484.3	6880.5	7277.4	7537.7	7798.0	7860.3	7922.5	7830.4	7737.4
15°	5566.8	5950.8	6334.8	6680.0	7026.0	7238.6	7452.0	7477.1	7502.9	7488.4	7473.8
17.5°	5750.3	6097.1	6444.7	6632.3	6820.6	6905.5	6991.2	7018.7	7047.0	7083.4	7120.6
20°	6194.9	6439.1	6684.0	6675.9	6667.0	6625.8	6583.8	6576.5	6569.2	6673.5	6778.6
22.5°	6858.6	6955.6	7053.5	6826.3	6599.1	6460.9	6321.8	6294.4	6266.1	6376.8	6488.4
25°	7578.9	7561.2	7542.6	7110.1	6676.7	6413.2	6149.7	6118.9	6088.2	6182.8	6278.2
27.5°	8292.0	8175.6	8059.1	7471.4	6883.7	6501.3	6118.9	6088.2	6057.5	6141.6	6225.6
30°	8815.0	8628.3	8441.5	7776.2	7110.9	6656.5	6202.2	6152.1	6101.1	6204.6	6308.1
32.5°	9223.3	8972.7	8722.0	8023.6	7325.1	6833.6	6342.1	6263.6	6185.2	6323.5	6461.7
35°	9630.7	9278.2	8925.0	8244.3	7562.8	7043.0	6522.3	6426.1	6329.9	6519.9	6709.9
37.5°	10143.3	9637.2	9130.3	8492.5	7854.6	7356.6	6857.8	6759.2	6660.6	6902.3	7144.8
40°	10699.4	10024.4	9349.4	8764.1	8178.8	7790.7	7401.9	7308.1	7213.5	7507.8	7802.1
42.5°	11161.9	10385.0	9608.1	9091.5	8574.1	8300.9	8026.8	8026.0	8024.4	8322.7	8621.0
45°	11537.8	10685.7	9832.8	9410.8	8988.0	8845.7	8703.5	8817.4	8931.4	9200.6	9470.6
47.5°	11818.3	10937.9	10056.7	9776.2	9495.7	9516.7	9537.7	9769.8	10001.8	10174.8	10348.6
50°	12001.0	11166.7	10331.6	10245.1	10158.6	10347.0	10536.1	10802.1	11068.9	11186.9	11305.0
52.5°	12267.0	11477.1	10686.5	10783.5	10880.5	11265.3	11650.1	11919.3	12188.6	12232.2	12276.7
55°	12882.2	12047.9	11212.8	11398.7	11585.5	12149.7	12714.8	12925.0	13135.2	13151.4	13167.6
57.5°	13756.1	12847.4	11938.8	12139.2	12339.7	12991.3	13643.7	13870.1	14097.2	14065.7	14033.4
60°	14410.1	13606.5	12802.1	13004.2	13206.4	13841.8	14477.2	14737.5	14998.6	14929.1	14859.6
62.5°	14450.5	14021.2	13591.2	13773.9	13957.4	14579.9	15202.3	15469.9	15737.5	15616.3	15495.0
65°	13807.8	14000.2	14192.6	14253.3	14313.9	14894.3	15475.6	15680.1	15885.5	15824.0	15762.6
67.5°	12922.6	13631.6	14341.4	14219.3	14097.2	14369.7	14642.1	14853.1	15064.1	15029.3	14993.8
70°	12039.0	12985.7	13932.3	13332.5	12731.8	12619.4	12507.1	12734.2	12962.2	12821.5	12680.1
72.5°	10534.5	11543.4	12553.2	11448.0	10342.9	9958.9	9574.9	9863.5	10152.1	9928.2	9703.5
75°	8269.3	9384.1	10499.8	9181.2	7862.7	7350.2	6837.6	7085.8	7334.0	7180.4	7026.0
77.5°	6156.1	7254.8	8353.4	7013.0	5671.9	5291.1	4909.5	4983.1	5057.5	5031.6	5004.9
80°	4175.5	4941.1	5707.4	4815.0	3922.5	3951.6	3981.5	3946.7	3911.1	3962.9	4014.6
82.5°	2664.6	3255.5	3847.3	3373.5	2899.8	3171.4	3443.1	3309.7	3175.5	3224.8	3274.9
85°	1520.6	2098.7	2677.5	2495.6	2312.9	2471.3	2630.6	2423.6	2216.7	2307.2	2398.6
87.5°	401.0	1160.9	1921.6	1744.6	1567.5	1362.2	1156.8	882.8	608.7	889.3	1169.8
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: P320778
 CATALOG NUMBER: GAN-SA4D-827-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

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2	6160.2
2.5°	6954.8	6941.1	6891.8	6841.7	6767.3	6705.8	6599.1
5°	7454.4	7367.1	7216.8	7065.6	6897.4	6704.2	6490.0
7.5°	7631.5	7427.0	7138.4	6848.9	6588.6	6283.0	5998.5
10°	7556.3	7249.9	6874.8	6498.9	6182.8	5831.1	5515.0
12.5°	7412.4	7086.6	6673.5	6259.6	5899.9	5522.3	5168.2
15°	7214.3	6954.0	6566.8	6179.6	5817.4	5450.4	5030.8
17.5°	6997.7	6874.0	6594.3	6313.8	6000.1	5644.4	5152.1
20°	6823.1	6868.3	6756.8	6645.2	6393.8	6083.4	5530.4
22.5°	6705.0	6922.5	7008.2	7094.7	6943.5	6701.0	6061.5
25°	6638.7	6999.3	7286.3	7574.1	7507.0	7320.2	6706.7
27.5°	6667.9	7110.1	7555.5	8001.7	8064.0	8012.3	7386.5
30°	6755.2	7203.0	7745.5	8288.7	8536.9	8606.4	7953.2
32.5°	6900.7	7339.6	7930.6	8522.4	8897.5	9119.0	8471.4
35°	7120.6	7531.2	8147.3	8763.3	9248.3	9652.5	9006.6
37.5°	7498.1	7851.4	8419.7	8988.8	9617.8	10224.9	9595.9
40°	8051.1	8300.9	8781.1	9262.1	10053.5	10873.3	10253.2
42.5°	8748.7	8877.3	9258.0	9638.8	10508.7	11461.8	10895.9
45°	9504.6	9538.6	9777.8	10017.9	10869.2	11862.8	11378.5
47.5°	10232.2	10115.8	10211.2	10306.6	11145.7	12148.9	11744.7
50°	10980.8	10656.6	10606.5	10556.4	11422.2	12486.1	12210.4
52.5°	11742.3	11207.9	11009.9	10811.0	11752.0	12933.1	12790.0
55°	12487.7	11807.8	11541.0	11274.2	12256.5	13478.8	13641.3
57.5°	13262.9	12492.5	12245.1	11997.8	12997.8	14170.0	14405.2
60°	14097.2	13334.1	13136.0	12937.2	13919.4	14917.0	14745.6
62.5°	14888.7	14282.4	14178.1	14073.0	14851.5	15491.0	14613.0
65°	15417.4	15071.4	15168.4	15266.2	15556.4	15634.0	14225.0
67.5°	15064.1	15134.4	15544.3	15955.0	15755.3	15208.8	13460.2
70°	13101.3	13523.3	14494.2	15465.9	15022.9	14069.7	12087.5
72.5°	10177.2	10651.7	12093.2	13535.4	13127.1	11959.8	9928.2
75°	7561.2	8097.1	9688.1	11279.1	10712.4	8946.0	7108.4
77.5°	5363.9	5722.8	7293.6	8865.1	7941.1	5954.8	4783.4
80°	3904.7	3794.7	4670.2	5545.8	5392.2	3938.6	3072.0
82.5°	3006.5	2738.1	3150.4	3562.7	3540.1	2733.3	2253.9
85°	2291.1	2183.5	2548.1	2912.7	2600.7	1851.3	1432.5
87.5°	1335.5	1502.0	1931.3	2361.4	1772.1	561.9	278.1
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



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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)