

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: NEO-RAY

Report Number: P332764-927

Luminaire Tested: **S124DIW-S575D1340U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332764-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S575D1340U927-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5742.3 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

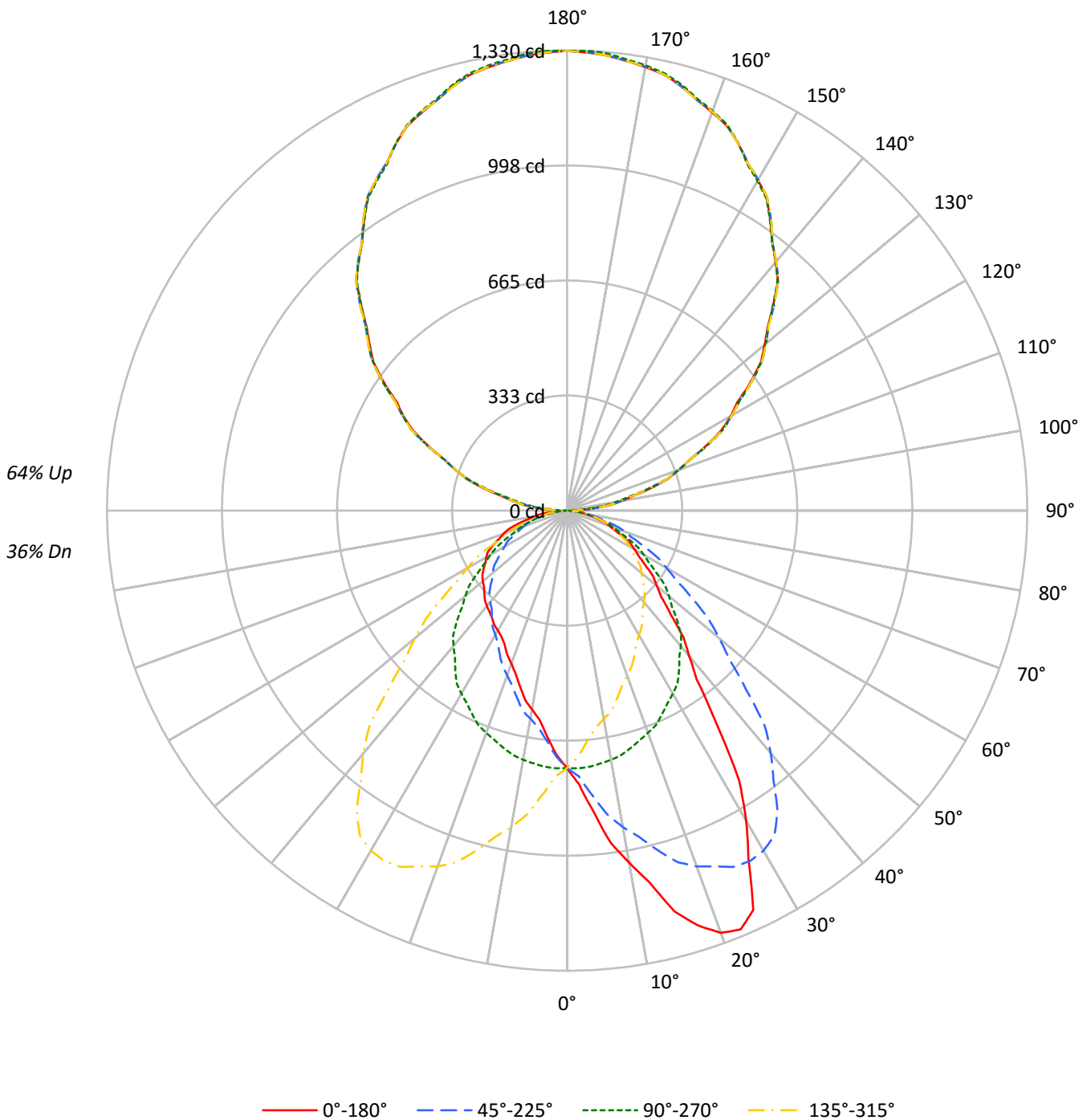
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	59	59	59	43	43	43	36				
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26				
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22				
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19				
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12				
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6006	6006	6006	6006
5°	7074	6022	5315	6022
10°	8470	5996	4786	5996
15°	10021	5935	4395	5935
20°	11159	5874	4046	5874
25°	11339	5782	3805	5782
30°	9648	5695	3730	5695
35°	7418	5552	3730	5552
40°	5782	5385	3800	5385
45°	4820	5134	3863	5134
50°	4243	4828	3995	4828
55°	3887	4460	4155	4460
60°	3643	4130	4350	4130
65°	3391	3761	4510	3761
70°	3099	3397	4612	3397
75°	2770	2991	4557	2991
80°	2320	2450	4412	2450
85°	1714	1769	4224	1769



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.3
10°-20°	223.4	3.9
20°-30°	354.3	6.2
30°-40°	394.3	6.9
40°-50°	358.9	6.3
50°-60°	293.3	5.1
60°-70°	209.4	3.6
70°-80°	115.3	2.0
80°-90°	35.4	0.6
90°-100°	87.6	1.5
100°-110°	259.5	4.5
110°-120°	440.5	7.7
120°-130°	580.9	10.1
130°-140°	652.4	11.4
140°-150°	641.1	11.2
150°-160°	539.2	9.4
160°-170°	358.7	6.2
170°-180°	125.6	2.2
0°-30°	650.2	11.3
0°-40°	1044.5	18.2
0°-60°	1696.7	29.5
0°-90°	2056.8	35.8
90°-120°	787.7	13.7
90°-150°	2662.0	46.4
90°-180°	3686.0	64.2
0°-180°	5742.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	744	744	744	744	744	
5°	873	743	656	743	873	89
15°	1199	710	526	710	1199	339
25°	1273	649	427	649	1273	561
35°	753	563	378	563	753	478
45°	422	450	338	450	422	333
55°	276	317	295	317	276	249
65°	178	197	236	197	178	176
75°	89	96	146	96	89	94
85°	18	19	46	19	18	23
90°	31	3	31	3	31	16
95°	81	62	81	62	81	85
105°	251	239	251	239	251	264
115°	444	448	444	448	444	439
125°	647	652	647	652	647	577
135°	842	841	842	841	842	651
145°	1023	1022	1023	1022	1023	640
155°	1170	1171	1170	1171	1170	539
165°	1272	1275	1272	1275	1272	358
175°	1320	1326	1320	1326	1320	125
180°	1328	1328	1328	1328	1328	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	791.9	791.6	789.2	788.7	787.0	784.7	784.3	780.3	772.4	768.7	767.7
5°	872.9	879.1	871.0	869.5	868.5	858.4	853.2	847.0	832.8	824.5	818.0
7.5°	969.6	970.3	966.8	963.9	956.1	947.2	933.9	919.7	902.9	885.3	872.0
10°	1033.2	1035.6	1031.7	1031.0	1015.3	1005.4	985.7	969.1	949.9	928.7	909.3
12.5°	1100.3	1096.8	1094.7	1081.6	1078.6	1060.7	1037.8	1020.6	991.1	966.6	940.8
15°	1199.0	1192.2	1187.9	1169.7	1160.8	1135.8	1111.4	1092.7	1054.2	1017.5	989.7
17.5°	1257.0	1263.7	1253.7	1246.3	1223.1	1205.6	1180.7	1141.3	1111.1	1065.6	1030.5
20°	1298.9	1299.5	1294.0	1286.2	1268.0	1245.9	1218.7	1175.6	1139.5	1094.2	1046.1
22.5°	1310.2	1310.3	1308.0	1300.8	1287.0	1269.0	1241.7	1205.6	1162.0	1112.7	1064.6
25°	1273.0	1271.8	1274.5	1282.5	1277.3	1271.8	1256.0	1229.2	1188.5	1136.4	1084.7
27.5°	1134.6	1143.1	1158.8	1178.5	1197.5	1212.0	1216.1	1210.6	1185.3	1142.5	1088.3
30°	1035.0	1045.5	1057.2	1077.0	1115.2	1137.0	1161.1	1179.2	1169.1	1134.9	1084.3
32.5°	925.5	928.1	945.5	968.0	1003.0	1045.0	1083.2	1120.1	1132.3	1114.4	1072.2
35°	752.7	757.0	775.8	798.0	840.8	892.3	949.7	1000.8	1043.1	1060.0	1038.4
37.5°	614.3	626.6	639.8	663.7	701.5	747.8	807.4	873.5	936.5	978.7	985.8
40°	548.7	556.3	565.9	584.1	616.2	661.8	712.9	788.8	855.6	916.1	935.8
42.5°	496.9	501.4	507.2	523.6	548.1	593.4	640.2	706.9	774.0	846.3	879.3
45°	422.2	426.9	436.7	446.3	464.8	496.2	539.7	594.5	662.0	731.7	792.7
47.5°	368.4	371.4	377.2	387.5	403.1	423.9	459.2	505.0	567.6	635.3	700.3
50°	337.8	340.2	344.9	354.2	366.1	384.7	413.6	456.5	505.5	573.6	637.4
52.5°	313.6	314.7	318.1	324.3	333.9	349.4	373.2	408.6	454.2	514.9	578.5
55°	276.2	277.4	280.5	285.1	293.4	303.3	321.5	348.0	387.8	440.5	495.6
57.5°	245.3	246.2	248.8	250.6	257.5	265.5	279.4	298.3	328.5	373.2	422.5
60°	225.6	225.0	228.1	229.7	234.2	241.1	251.8	270.0	296.2	332.2	377.6
62.5°	206.4	205.5	208.1	210.2	212.8	218.6	227.4	241.6	262.9	295.6	334.7
65°	177.5	176.3	177.8	180.3	182.8	185.8	192.3	204.9	221.9	245.3	275.2
67.5°	148.5	149.9	150.1	151.3	152.7	156.9	161.4	170.3	182.3	201.1	226.3
70°	131.3	131.6	132.8	132.8	133.8	137.4	141.2	146.4	158.1	175.4	196.1
72.5°	114.1	115.3	114.9	115.8	116.5	119.0	121.7	126.7	136.7	149.5	166.9
75°	88.8	89.7	89.7	90.0	90.9	91.8	94.0	97.7	104.8	114.3	126.4
77.5°	64.7	64.9	65.3	66.4	66.4	67.9	69.5	72.4	76.0	82.5	89.8
80°	49.9	50.5	50.2	50.9	50.9	52.1	52.7	56.4	57.9	62.3	68.1
82.5°	36.6	37.2	37.2	38.0	38.5	38.7	39.6	41.1	42.6	46.5	48.9
85°	18.5	19.1	18.5	19.1	20.0	20.4	21.2	21.5	22.8	23.8	25.9
87.5°	11.6	12.2	12.1	12.3	12.7	12.8	12.8	12.2	12.9	12.9	13.5
90°	30.8	30.3	29.9	29.5	29.0	28.0	26.7	25.3	24.0	22.6	20.8
92.5°	45.6	45.3	45.1	44.8	44.5	44.0	43.2	42.3	41.5	40.7	39.4
95°	81.2	81.2	81.2	81.2	81.2	80.8	80.2	79.5	78.7	78.1	76.4
97.5°	127.2	127.2	127.2	127.2	127.2	126.7	126.0	125.2	124.3	123.5	121.6
100°	159.2	159.2	159.2	159.2	159.2	159.0	158.6	158.1	157.6	157.2	155.1
102.5°	195.4	195.2	195.0	194.9	194.6	194.2	193.6	193.0	192.3	191.7	189.8
105°	250.6	250.0	249.3	248.6	248.0	247.2	246.6	245.9	245.2	244.5	243.6
107.5°	304.5	304.6	304.6	304.7	304.7	304.4	303.7	303.1	302.5	301.8	301.7
110°	343.2	342.5	341.7	341.1	340.4	340.3	340.7	341.2	341.7	342.1	342.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	382.6	382.5	382.3	382.1	382.1	382.0	382.1	382.2	382.3	382.4	382.8
115°	443.9	444.0	444.3	444.5	444.7	445.0	445.2	445.4	445.7	445.8	446.3
117.5°	502.2	502.6	503.1	503.5	504.0	504.6	505.4	506.2	506.9	507.7	508.0
120°	546.5	546.1	545.7	545.2	544.7	545.1	546.2	547.4	548.5	549.6	550.3
122.5°	583.5	584.4	585.2	586.0	586.8	587.6	588.4	589.1	589.9	590.7	591.0
125°	647.2	647.7	648.2	648.6	649.0	649.5	650.0	650.5	650.9	651.3	651.6
127.5°	706.2	706.5	706.9	707.3	707.7	708.1	708.5	709.0	709.5	709.9	710.3
130°	744.8	745.8	746.6	747.6	748.5	749.2	749.6	750.1	750.5	751.0	751.0
132.5°	785.9	786.3	786.6	787.0	787.4	787.8	788.3	788.7	789.2	789.6	789.8
135°	842.4	843.1	843.8	844.5	845.2	845.7	846.2	846.7	847.2	847.6	847.6
137.5°	901.8	901.7	901.6	901.4	901.3	901.5	902.1	902.7	903.2	903.9	903.5
140°	938.0	938.2	938.4	938.7	938.9	939.1	939.4	939.6	939.8	940.0	940.0
142.5°	974.1	974.2	974.2	974.3	974.3	974.4	974.5	974.5	974.5	974.5	974.8
145°	1023.3	1024.0	1024.6	1025.3	1026.0	1026.4	1026.7	1026.9	1027.1	1027.4	1027.1
147.5°	1073.0	1073.2	1073.4	1073.6	1073.9	1074.1	1074.3	1074.4	1074.7	1074.8	1075.0
150°	1103.4	1103.6	1103.8	1104.1	1104.3	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4
152.5°	1131.3	1131.9	1132.5	1133.1	1133.7	1133.8	1133.2	1132.7	1132.1	1131.6	1131.4
155°	1170.2	1171.1	1172.0	1172.9	1173.9	1173.9	1172.9	1172.0	1171.1	1170.2	1170.4
157.5°	1204.9	1205.7	1206.4	1207.2	1208.0	1208.1	1207.4	1206.7	1206.0	1205.3	1205.4
160°	1224.6	1225.7	1226.9	1228.0	1229.2	1229.4	1228.8	1228.0	1227.3	1226.7	1226.9
162.5°	1245.2	1246.3	1247.4	1248.6	1249.7	1249.7	1248.5	1247.2	1246.0	1244.8	1245.0
165°	1271.8	1272.8	1273.7	1274.6	1275.6	1275.3	1273.9	1272.6	1271.2	1269.8	1270.3
167.5°	1291.0	1292.4	1293.8	1295.2	1296.6	1296.6	1295.3	1294.0	1292.6	1291.2	1291.2
170°	1301.7	1303.3	1304.9	1306.5	1308.1	1308.2	1306.8	1305.4	1304.1	1302.7	1302.5
172.5°	1310.7	1312.3	1313.9	1315.5	1317.1	1317.2	1315.6	1314.0	1312.5	1310.9	1310.9
175°	1320.2	1321.8	1323.3	1324.9	1326.6	1326.6	1324.9	1323.3	1321.8	1320.2	1320.4
177.5°	1325.1	1326.6	1328.0	1329.5	1330.9	1331.0	1329.8	1328.5	1327.2	1326.0	1326.0
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	767.9	764.5	762.1	760.1	754.6	751.5	749.0	745.5	741.6	737.4	732.2
5°	811.6	801.1	793.4	781.6	770.6	761.3	751.8	743.1	732.6	721.3	712.9
7.5°	857.4	841.8	821.8	804.5	785.0	768.0	752.9	737.4	721.2	705.5	691.2
10°	886.5	866.4	844.2	818.0	793.4	771.5	751.1	731.4	712.3	693.2	676.8
12.5°	917.7	892.8	860.0	829.3	801.8	772.5	747.9	723.7	700.7	680.6	661.6
15°	959.8	923.8	885.8	844.9	808.5	774.3	740.7	710.1	684.3	657.7	639.3
17.5°	985.6	941.0	897.7	854.8	810.8	767.6	731.4	696.2	663.8	637.5	614.2
20°	1002.7	958.3	904.4	861.5	809.1	764.7	722.8	683.7	649.7	621.7	597.6
22.5°	1017.5	966.1	912.2	855.8	803.7	756.5	710.7	671.3	636.7	607.1	584.1
25°	1025.5	966.6	908.0	851.9	792.7	737.0	695.4	649.1	612.1	581.0	556.3
27.5°	1026.4	963.4	897.1	834.8	773.7	721.8	669.2	627.9	589.5	556.6	532.9
30°	1023.6	958.0	886.8	819.3	758.0	701.5	655.9	610.9	571.7	539.1	514.4
32.5°	1014.9	946.6	873.5	802.0	738.5	683.3	636.2	593.4	555.2	523.1	497.2
35°	990.0	922.5	844.5	770.2	705.2	649.4	606.9	563.4	525.2	494.7	469.8
37.5°	951.0	889.9	810.7	733.8	669.9	613.9	571.7	532.5	498.0	467.0	441.4
40°	917.0	863.3	783.8	708.9	639.8	586.5	547.1	511.0	476.8	447.5	423.2
42.5°	877.7	831.0	757.6	678.3	611.7	558.2	519.8	487.4	455.1	428.1	403.7
45°	807.9	777.1	708.0	634.6	565.3	514.8	478.1	449.7	422.6	396.1	375.7
47.5°	727.5	712.2	654.0	584.4	518.6	468.7	437.0	410.7	387.0	364.5	346.6
50°	673.4	666.1	615.8	548.7	485.8	438.9	406.9	384.4	364.0	344.3	327.3
52.5°	620.2	620.0	574.6	513.1	455.0	409.8	378.0	357.0	339.4	323.3	308.1
55°	538.8	547.4	512.0	457.1	405.0	364.3	335.6	316.9	304.5	291.3	279.9
57.5°	464.0	478.3	449.1	400.8	357.3	319.8	294.9	280.7	267.6	259.6	251.3
60°	415.2	428.7	405.9	365.3	324.2	292.2	268.5	255.8	244.4	238.8	233.0
62.5°	371.8	383.9	366.9	329.2	293.7	262.8	242.8	230.7	223.0	216.9	213.0
65°	309.7	320.0	305.5	278.1	247.5	222.8	206.5	196.9	189.6	187.1	182.8
67.5°	250.4	259.7	251.8	228.5	204.1	185.4	172.6	163.4	159.1	156.9	153.8
70°	215.2	224.4	216.0	195.7	176.9	161.2	149.2	143.9	139.3	138.4	134.1
72.5°	185.3	191.6	183.2	167.4	151.3	138.0	128.7	123.3	120.8	119.1	116.8
75°	139.0	144.6	139.0	126.7	115.3	106.0	98.0	95.9	93.1	92.1	90.6
77.5°	98.4	103.2	98.9	91.3	82.7	75.6	71.3	68.5	67.9	66.3	67.0
80°	75.2	78.3	74.3	69.1	62.3	57.4	54.3	52.7	50.9	50.2	51.5
82.5°	54.0	55.4	53.3	49.8	44.8	41.5	39.5	37.6	37.3	37.4	37.4
85°	28.0	27.7	27.4	24.3	22.8	20.7	19.4	19.1	18.8	19.4	20.0
87.5°	13.2	13.1	12.4	11.0	9.7	8.6	7.8	7.1	7.8	8.6	9.3
90°	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1	5.6	8.1	10.6
92.5°	38.1	36.8	35.6	33.5	30.6	27.7	24.9	22.0	24.9	27.7	30.6
95°	74.9	73.3	71.7	69.9	67.8	65.8	63.7	61.6	63.7	65.8	67.8
97.5°	119.8	117.9	116.0	114.2	112.6	111.0	109.3	107.7	109.3	111.0	112.6
100°	153.0	151.0	148.9	147.5	146.6	145.7	144.7	143.9	144.7	145.7	146.6
102.5°	188.0	186.1	184.2	183.1	182.8	182.4	182.0	181.6	182.0	182.4	182.8
105°	242.7	241.8	240.8	240.3	240.0	239.9	239.6	239.4	239.6	239.9	240.0
107.5°	301.6	301.4	301.3	301.1	300.8	300.6	300.2	300.0	300.2	300.6	300.8
110°	342.5	342.8	343.0	342.9	342.5	342.0	341.5	341.1	341.5	342.0	342.5





TEST NUMBER: P332764-927

CATALOG NUMBER: S124DIW-S575D1340U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	383.2	383.7	384.0	384.2	384.1	384.0	383.9	383.8	383.9	384.0	384.1
115°	446.8	447.3	447.7	447.9	447.9	447.9	447.9	447.9	447.9	447.9	447.9
117.5°	508.3	508.7	509.0	509.1	508.9	508.7	508.5	508.3	508.5	508.7	508.9
120°	551.0	551.7	552.4	552.2	551.4	550.4	549.5	548.6	549.5	550.4	551.4
122.5°	591.4	591.7	592.0	592.0	591.6	591.3	590.9	590.5	590.9	591.3	591.6
125°	651.8	652.0	652.3	652.4	652.4	652.4	652.4	652.4	652.4	652.4	652.4
127.5°	710.7	711.0	711.4	711.2	710.5	709.9	709.2	708.4	709.2	709.9	710.5
130°	751.0	751.0	751.0	750.7	750.0	749.3	748.6	747.9	748.6	749.3	750.0
132.5°	790.0	790.2	790.4	790.2	789.7	789.2	788.7	788.2	788.7	789.2	789.7
135°	847.6	847.6	847.6	846.9	845.5	844.1	842.8	841.4	842.8	844.1	845.5
137.5°	903.2	902.8	902.5	901.9	901.3	900.6	900.0	899.4	900.0	900.6	901.3
140°	940.0	940.0	940.0	939.8	939.4	938.9	938.4	938.0	938.4	938.9	939.4
142.5°	974.9	975.1	975.3	975.2	974.7	974.2	973.8	973.4	973.8	974.2	974.7
145°	1026.9	1026.7	1026.4	1025.9	1025.0	1024.1	1023.2	1022.2	1023.2	1024.1	1025.0
147.5°	1075.2	1075.4	1075.5	1075.1	1074.0	1072.9	1071.8	1070.7	1071.8	1072.9	1074.0
150°	1104.4	1104.4	1104.4	1104.0	1103.0	1102.2	1101.2	1100.3	1101.2	1102.2	1103.0
152.5°	1131.2	1131.0	1130.8	1130.4	1129.9	1129.3	1128.8	1128.2	1128.8	1129.3	1129.9
155°	1170.6	1170.8	1171.1	1171.2	1171.2	1171.2	1171.2	1171.2	1171.2	1171.2	1171.2
157.5°	1205.4	1205.5	1205.5	1205.7	1206.1	1206.6	1207.0	1207.4	1207.0	1206.6	1206.1
160°	1227.2	1227.3	1227.6	1227.8	1228.0	1228.3	1228.5	1228.8	1228.5	1228.3	1228.0
162.5°	1245.2	1245.5	1245.7	1246.1	1246.7	1247.3	1247.8	1248.5	1247.8	1247.3	1246.7
165°	1270.7	1271.2	1271.7	1272.2	1272.9	1273.6	1274.3	1274.9	1274.3	1273.6	1272.9
167.5°	1291.1	1291.1	1291.0	1291.5	1292.4	1293.4	1294.3	1295.3	1294.3	1293.4	1292.4
170°	1302.3	1302.0	1301.8	1302.3	1303.4	1304.6	1305.7	1306.8	1305.7	1304.6	1303.4
172.5°	1310.8	1310.8	1310.7	1311.2	1312.2	1313.1	1314.1	1315.0	1314.1	1313.1	1312.2
175°	1320.6	1320.9	1321.0	1321.8	1322.9	1324.1	1325.2	1326.4	1325.2	1324.1	1322.9
177.5°	1326.0	1326.0	1326.0	1326.4	1327.3	1328.2	1329.1	1330.0	1329.1	1328.2	1327.3
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	729.8	727.5	724.3	719.9	716.2	712.3	711.2	709.8	712.7	710.3	709.6
5°	705.8	699.3	691.0	681.5	676.0	667.9	666.4	663.3	660.2	659.9	656.8
7.5°	680.5	671.0	660.1	650.4	641.4	632.6	626.9	625.7	621.1	618.5	615.4
10°	664.2	652.5	639.8	630.7	620.1	610.9	604.4	600.7	597.6	594.2	591.2
12.5°	645.0	632.6	622.1	612.1	599.7	592.6	582.0	575.6	575.0	575.0	567.0
15°	622.6	610.3	594.2	580.1	573.3	559.8	553.9	546.4	541.9	537.3	533.5
17.5°	597.1	581.7	569.2	552.9	540.0	529.2	521.4	517.0	510.1	503.5	498.8
20°	581.0	564.7	551.4	534.2	520.0	506.8	500.3	494.1	488.9	483.3	478.1
22.5°	564.7	547.6	531.5	514.7	501.5	487.5	481.3	472.9	467.9	464.8	459.5
25°	539.1	520.6	502.1	486.1	472.5	460.2	451.9	445.4	439.8	437.4	434.0
27.5°	511.2	492.8	475.0	456.8	441.4	432.5	425.8	420.9	417.7	414.5	412.9
30°	493.5	474.4	455.3	438.3	424.1	415.2	409.0	405.6	403.1	401.6	400.1
32.5°	475.5	456.6	436.5	421.0	408.4	400.4	395.7	392.3	391.1	390.5	390.0
35°	446.6	427.5	409.0	395.1	383.1	380.0	376.0	374.1	373.6	375.7	376.7
37.5°	418.7	400.9	383.9	370.5	362.6	358.1	356.7	356.8	359.0	360.9	363.1
40°	400.7	383.4	367.4	355.7	348.3	345.5	344.9	346.4	348.9	351.1	353.6
42.5°	383.2	366.1	351.6	340.6	335.5	333.0	333.4	334.9	338.3	341.0	344.7
45°	356.0	341.8	327.6	318.7	314.4	315.0	315.0	317.7	321.2	325.2	329.2
47.5°	330.4	316.1	304.4	296.9	294.7	294.1	295.9	299.5	304.4	309.3	315.0
50°	313.1	299.6	289.4	282.7	280.2	281.1	283.6	286.9	292.8	299.0	304.8
52.5°	295.6	283.3	273.9	267.6	265.9	267.5	270.0	275.4	280.5	287.2	294.2
55°	268.5	258.0	250.6	246.0	245.3	246.3	249.1	254.9	262.3	270.6	277.4
57.5°	241.4	232.7	225.9	222.7	223.0	223.9	228.4	235.4	243.3	252.2	260.9
60°	223.2	215.2	209.6	207.2	207.5	209.3	214.8	221.3	231.2	239.8	249.1
62.5°	205.9	198.8	193.5	191.3	190.9	195.0	200.3	207.0	216.9	226.5	236.5
65°	178.2	172.6	168.3	167.1	167.9	171.0	177.8	186.8	195.1	205.3	215.8
67.5°	151.0	146.5	143.5	144.1	145.2	149.7	155.4	163.1	172.5	183.1	193.5
70°	133.8	129.4	127.0	127.3	129.1	134.7	139.7	147.3	157.5	168.3	176.9
72.5°	116.1	113.2	111.0	112.3	114.1	118.0	124.1	131.8	140.8	150.8	159.9
75°	89.0	89.0	87.9	88.8	91.6	95.2	99.9	107.9	116.8	124.8	132.2
77.5°	66.1	65.4	66.2	67.3	68.9	73.3	78.6	84.4	91.0	99.1	105.2
80°	50.5	50.9	52.4	54.3	54.9	58.2	63.8	69.1	74.3	81.0	86.9
82.5°	37.9	38.3	39.1	41.4	42.1	45.7	49.3	54.5	59.3	63.8	68.7
85°	20.7	20.7	22.2	23.1	24.6	27.1	29.3	32.4	36.7	39.8	44.4
87.5°	10.5	10.9	12.3	13.2	14.3	15.8	16.6	19.6	20.9	22.4	24.8
90°	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3	26.7	28.0	29.0
92.5°	33.5	35.6	36.8	38.1	39.4	40.7	41.5	42.3	43.2	44.0	44.5
95°	69.9	71.7	73.3	74.9	76.4	78.1	78.7	79.5	80.2	80.8	81.2
97.5°	114.2	116.0	117.9	119.8	121.6	123.5	124.3	125.2	126.0	126.7	127.2
100°	147.5	148.9	151.0	153.0	155.1	157.2	157.6	158.1	158.6	159.0	159.2
102.5°	183.1	184.2	186.1	188.0	189.8	191.7	192.3	193.0	193.6	194.2	194.6
105°	240.3	240.8	241.8	242.7	243.6	244.5	245.2	245.9	246.6	247.2	248.0
107.5°	301.1	301.3	301.4	301.6	301.7	301.8	302.5	303.1	303.7	304.4	304.7
110°	342.9	343.0	342.8	342.5	342.4	342.1	341.7	341.2	340.7	340.3	340.4



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	384.2	384.0	383.7	383.2	382.8	382.4	382.3	382.2	382.1	382.0	382.1
115°	447.9	447.7	447.3	446.8	446.3	445.8	445.7	445.4	445.2	445.0	444.7
117.5°	509.1	509.0	508.7	508.3	508.0	507.7	506.9	506.2	505.4	504.6	504.0
120°	552.2	552.4	551.7	551.0	550.3	549.6	548.5	547.4	546.2	545.1	544.7
122.5°	592.0	592.0	591.7	591.4	591.0	590.7	589.9	589.1	588.4	587.6	586.8
125°	652.4	652.3	652.0	651.8	651.6	651.3	650.9	650.5	650.0	649.5	649.0
127.5°	711.2	711.4	711.0	710.7	710.3	709.9	709.5	709.0	708.5	708.1	707.7
130°	750.7	751.0	751.0	751.0	751.0	751.0	750.5	750.1	749.6	749.2	748.5
132.5°	790.2	790.4	790.2	790.0	789.8	789.6	789.2	788.7	788.3	787.8	787.4
135°	846.9	847.6	847.6	847.6	847.6	847.6	847.2	846.7	846.2	845.7	845.2
137.5°	901.9	902.5	902.8	903.2	903.5	903.9	903.2	902.7	902.1	901.5	901.3
140°	939.8	940.0	940.0	940.0	940.0	940.0	939.8	939.6	939.4	939.1	938.9
142.5°	975.2	975.3	975.1	974.9	974.8	974.5	974.5	974.5	974.5	974.4	974.3
145°	1025.9	1026.4	1026.7	1026.9	1027.1	1027.4	1027.1	1026.9	1026.7	1026.4	1026.0
147.5°	1075.1	1075.5	1075.4	1075.2	1075.0	1074.8	1074.7	1074.4	1074.3	1074.1	1073.9
150°	1104.0	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.3
152.5°	1130.4	1130.8	1131.0	1131.2	1131.4	1131.6	1132.1	1132.7	1133.2	1133.8	1133.7
155°	1171.2	1171.1	1170.8	1170.6	1170.4	1170.2	1171.1	1172.0	1172.9	1173.9	1173.9
157.5°	1205.7	1205.5	1205.5	1205.4	1205.4	1205.3	1206.0	1206.7	1207.4	1208.1	1208.0
160°	1227.8	1227.6	1227.3	1227.2	1226.9	1226.7	1227.3	1228.0	1228.8	1229.4	1229.2
162.5°	1246.1	1245.7	1245.5	1245.2	1245.0	1244.8	1246.0	1247.2	1248.5	1249.7	1249.7
165°	1272.2	1271.7	1271.2	1270.7	1270.3	1269.8	1271.2	1272.6	1273.9	1275.3	1275.6
167.5°	1291.5	1291.0	1291.1	1291.1	1291.2	1291.2	1292.6	1294.0	1295.3	1296.6	1296.6
170°	1302.3	1301.8	1302.0	1302.3	1302.5	1302.7	1304.1	1305.4	1306.8	1308.2	1308.1
172.5°	1311.2	1310.7	1310.8	1310.8	1310.9	1310.9	1312.5	1314.0	1315.6	1317.2	1317.1
175°	1321.8	1321.0	1320.9	1320.6	1320.4	1320.2	1321.8	1323.3	1324.9	1326.6	1326.6
177.5°	1326.4	1326.0	1326.0	1326.0	1326.0	1326.0	1327.2	1328.5	1329.8	1331.0	1330.9
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	709.0	708.5	706.8	706.5	706.8	708.5	709.0	709.6	710.3	712.7	709.8
5°	655.0	653.5	652.5	655.9	652.5	653.5	655.0	656.8	659.9	660.2	663.3
7.5°	614.3	613.0	610.3	609.4	610.3	613.0	614.3	615.4	618.5	621.1	625.7
10°	588.1	586.8	584.4	583.8	584.4	586.8	588.1	591.2	594.2	597.6	600.7
12.5°	562.9	560.5	560.0	560.6	560.0	560.5	562.9	567.0	575.0	575.0	575.6
15°	529.5	528.3	524.9	525.9	524.9	528.3	529.5	533.5	537.3	541.9	546.4
17.5°	496.6	495.1	491.0	494.6	491.0	495.1	496.6	498.8	503.5	510.1	517.0
20°	475.9	473.4	471.3	471.0	471.3	473.4	475.9	478.1	483.3	488.9	494.1
22.5°	456.1	453.9	453.8	451.7	453.8	453.9	456.1	459.5	464.8	467.9	472.9
25°	431.5	429.4	428.7	427.2	428.7	429.4	431.5	434.0	437.4	439.8	445.4
27.5°	412.6	411.5	410.4	410.9	410.4	411.5	412.6	412.9	414.5	417.7	420.9
30°	401.0	400.7	400.1	400.1	400.1	400.7	401.0	400.1	401.6	403.1	405.6
32.5°	391.4	391.3	391.7	391.7	391.7	391.3	391.4	390.0	390.5	391.1	392.3
35°	377.9	378.8	379.5	378.5	379.5	378.8	377.9	376.7	375.7	373.6	374.1
37.5°	365.7	366.6	367.5	368.5	367.5	366.6	365.7	363.1	360.9	359.0	356.8
40°	356.3	358.5	359.1	360.6	359.1	358.5	356.3	353.6	351.1	348.9	346.4
42.5°	347.5	349.8	351.4	351.7	351.4	349.8	347.5	344.7	341.0	338.3	334.9
45°	333.8	336.3	338.4	338.4	338.4	336.3	333.8	329.2	325.2	321.2	317.7
47.5°	319.7	323.3	325.4	326.0	325.4	323.3	319.7	315.0	309.3	304.4	299.5
50°	310.1	314.4	316.6	318.1	316.6	314.4	310.1	304.8	299.0	292.8	286.9
52.5°	300.7	305.0	307.9	308.7	307.9	305.0	300.7	294.2	287.2	280.5	275.4
55°	284.5	290.7	294.1	295.2	294.1	290.7	284.5	277.4	270.6	262.3	254.9
57.5°	269.2	274.9	278.8	279.7	278.8	274.9	269.2	260.9	252.2	243.3	235.4
60°	257.4	263.6	268.5	269.4	268.5	263.6	257.4	249.1	239.8	231.2	221.3
62.5°	245.3	251.7	256.1	258.6	256.1	251.7	245.3	236.5	226.5	216.9	207.0
65°	224.4	230.8	235.2	236.1	235.2	230.8	224.4	215.8	205.3	195.1	186.8
67.5°	201.6	208.0	210.9	212.7	210.9	208.0	201.6	193.5	183.1	172.5	163.1
70°	185.5	190.8	193.8	195.4	193.8	190.8	185.5	176.9	168.3	157.5	147.3
72.5°	167.3	172.8	176.3	176.7	176.3	172.8	167.3	159.9	150.8	140.8	131.8
75°	139.3	144.3	146.1	146.1	146.1	144.3	139.3	132.2	124.8	116.8	107.9
77.5°	110.3	112.8	115.2	115.7	115.2	112.8	110.3	105.2	99.1	91.0	84.4
80°	91.6	93.1	94.9	94.9	94.9	93.1	91.6	86.9	81.0	74.3	69.1
82.5°	72.3	73.6	75.4	75.2	75.4	73.6	72.3	68.7	63.8	59.3	54.5
85°	43.7	46.6	46.3	45.6	46.3	46.6	43.7	44.4	39.8	36.7	32.4
87.5°	25.6	26.0	26.8	27.4	26.8	26.0	25.6	24.8	22.4	20.9	19.6
90°	29.5	29.9	30.3	30.8	30.3	29.9	29.5	29.0	28.0	26.7	25.3
92.5°	44.8	45.1	45.3	45.6	45.3	45.1	44.8	44.5	44.0	43.2	42.3
95°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	80.8	80.2	79.5
97.5°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	126.7	126.0	125.2
100°	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.0	158.6	158.1
102.5°	194.9	195.0	195.2	195.4	195.2	195.0	194.9	194.6	194.2	193.6	193.0
105°	248.6	249.3	250.0	250.6	250.0	249.3	248.6	248.0	247.2	246.6	245.9
107.5°	304.7	304.6	304.6	304.5	304.6	304.6	304.7	304.7	304.4	303.7	303.1
110°	341.1	341.7	342.5	343.2	342.5	341.7	341.1	340.4	340.3	340.7	341.2



TEST NUMBER: P332764-927

CATALOG NUMBER: S124DIW-S575D1340U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	382.1	382.3	382.5	382.6	382.5	382.3	382.1	382.1	382.0	382.1	382.2
115°	444.5	444.3	444.0	443.9	444.0	444.3	444.5	444.7	445.0	445.2	445.4
117.5°	503.5	503.1	502.6	502.2	502.6	503.1	503.5	504.0	504.6	505.4	506.2
120°	545.2	545.7	546.1	546.5	546.1	545.7	545.2	544.7	545.1	546.2	547.4
122.5°	586.0	585.2	584.4	583.5	584.4	585.2	586.0	586.8	587.6	588.4	589.1
125°	648.6	648.2	647.7	647.2	647.7	648.2	648.6	649.0	649.5	650.0	650.5
127.5°	707.3	706.9	706.5	706.2	706.5	706.9	707.3	707.7	708.1	708.5	709.0
130°	747.6	746.6	745.8	744.8	745.8	746.6	747.6	748.5	749.2	749.6	750.1
132.5°	787.0	786.6	786.3	785.9	786.3	786.6	787.0	787.4	787.8	788.3	788.7
135°	844.5	843.8	843.1	842.4	843.1	843.8	844.5	845.2	845.7	846.2	846.7
137.5°	901.4	901.6	901.7	901.8	901.7	901.6	901.4	901.3	901.5	902.1	902.7
140°	938.7	938.4	938.2	938.0	938.2	938.4	938.7	938.9	939.1	939.4	939.6
142.5°	974.3	974.2	974.2	974.1	974.2	974.2	974.3	974.3	974.4	974.5	974.5
145°	1025.3	1024.6	1024.0	1023.3	1024.0	1024.6	1025.3	1026.0	1026.4	1026.7	1026.9
147.5°	1073.6	1073.4	1073.2	1073.0	1073.2	1073.4	1073.6	1073.9	1074.1	1074.3	1074.4
150°	1104.1	1103.8	1103.6	1103.4	1103.6	1103.8	1104.1	1104.3	1104.4	1104.4	1104.4
152.5°	1133.1	1132.5	1131.9	1131.3	1131.9	1132.5	1133.1	1133.7	1133.8	1133.2	1132.7
155°	1172.9	1172.0	1171.1	1170.2	1171.1	1172.0	1172.9	1173.9	1173.9	1172.9	1172.0
157.5°	1207.2	1206.4	1205.7	1204.9	1205.7	1206.4	1207.2	1208.0	1208.1	1207.4	1206.7
160°	1228.0	1226.9	1225.7	1224.6	1225.7	1226.9	1228.0	1229.2	1229.4	1228.8	1228.0
162.5°	1248.6	1247.4	1246.3	1245.2	1246.3	1247.4	1248.6	1249.7	1249.7	1248.5	1247.2
165°	1274.6	1273.7	1272.8	1271.8	1272.8	1273.7	1274.6	1275.6	1275.3	1273.9	1272.6
167.5°	1295.2	1293.8	1292.4	1291.0	1292.4	1293.8	1295.2	1296.6	1296.6	1295.3	1294.0
170°	1306.5	1304.9	1303.3	1301.7	1303.3	1304.9	1306.5	1308.1	1308.2	1306.8	1305.4
172.5°	1315.5	1313.9	1312.3	1310.7	1312.3	1313.9	1315.5	1317.1	1317.2	1315.6	1314.0
175°	1324.9	1323.3	1321.8	1320.2	1321.8	1323.3	1324.9	1326.6	1326.6	1324.9	1323.3
177.5°	1329.5	1328.0	1326.6	1325.1	1326.6	1328.0	1329.5	1330.9	1331.0	1329.8	1328.5
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	711.2	712.3	716.2	719.9	724.3	727.5	729.8	732.2	737.4	741.6	745.5
5°	666.4	667.9	676.0	681.5	691.0	699.3	705.8	712.9	721.3	732.6	743.1
7.5°	626.9	632.6	641.4	650.4	660.1	671.0	680.5	691.2	705.5	721.2	737.4
10°	604.4	610.9	620.1	630.7	639.8	652.5	664.2	676.8	693.2	712.3	731.4
12.5°	582.0	592.6	599.7	612.1	622.1	632.6	645.0	661.6	680.6	700.7	723.7
15°	553.9	559.8	573.3	580.1	594.2	610.3	622.6	639.3	657.7	684.3	710.1
17.5°	521.4	529.2	540.0	552.9	569.2	581.7	597.1	614.2	637.5	663.8	696.2
20°	500.3	506.8	520.0	534.2	551.4	564.7	581.0	597.6	621.7	649.7	683.7
22.5°	481.3	487.5	501.5	514.7	531.5	547.6	564.7	584.1	607.1	636.7	671.3
25°	451.9	460.2	472.5	486.1	502.1	520.6	539.1	556.3	581.0	612.1	649.1
27.5°	425.8	432.5	441.4	456.8	475.0	492.8	511.2	532.9	556.6	589.5	627.9
30°	409.0	415.2	424.1	438.3	455.3	474.4	493.5	514.4	539.1	571.7	610.9
32.5°	395.7	400.4	408.4	421.0	436.5	456.6	475.5	497.2	523.1	555.2	593.4
35°	376.0	380.0	383.1	395.1	409.0	427.5	446.6	469.8	494.7	525.2	563.4
37.5°	356.7	358.1	362.6	370.5	383.9	400.9	418.7	441.4	467.0	498.0	532.5
40°	344.9	345.5	348.3	355.7	367.4	383.4	400.7	423.2	447.5	476.8	511.0
42.5°	333.4	333.0	335.5	340.6	351.6	366.1	383.2	403.7	428.1	455.1	487.4
45°	315.0	315.0	314.4	318.7	327.6	341.8	356.0	375.7	396.1	422.6	449.7
47.5°	295.9	294.1	294.7	296.9	304.4	316.1	330.4	346.6	364.5	387.0	410.7
50°	283.6	281.1	280.2	282.7	289.4	299.6	313.1	327.3	344.3	364.0	384.4
52.5°	270.0	267.5	265.9	267.6	273.9	283.3	295.6	308.1	323.3	339.4	357.0
55°	249.1	246.3	245.3	246.0	250.6	258.0	268.5	279.9	291.3	304.5	316.9
57.5°	228.4	223.9	223.0	222.7	225.9	232.7	241.4	251.3	259.6	267.6	280.7
60°	214.8	209.3	207.5	207.2	209.6	215.2	223.2	233.0	238.8	244.4	255.8
62.5°	200.3	195.0	190.9	191.3	193.5	198.8	205.9	213.0	216.9	223.0	230.7
65°	177.8	171.0	167.9	167.1	168.3	172.6	178.2	182.8	187.1	189.6	196.9
67.5°	155.4	149.7	145.2	144.1	143.5	146.5	151.0	153.8	156.9	159.1	163.4
70°	139.7	134.7	129.1	127.3	127.0	129.4	133.8	134.1	138.4	139.3	143.9
72.5°	124.1	118.0	114.1	112.3	111.0	113.2	116.1	116.8	119.1	120.8	123.3
75°	99.9	95.2	91.6	88.8	87.9	89.0	89.0	90.6	92.1	93.1	95.9
77.5°	78.6	73.3	68.9	67.3	66.2	65.4	66.1	67.0	66.3	67.9	68.5
80°	63.8	58.2	54.9	54.3	52.4	50.9	50.5	51.5	50.2	50.9	52.7
82.5°	49.3	45.7	42.1	41.4	39.1	38.3	37.9	37.4	37.4	37.3	37.6
85°	29.3	27.1	24.6	23.1	22.2	20.7	20.7	20.0	19.4	18.8	19.1
87.5°	16.6	15.8	14.3	13.2	12.3	10.9	10.5	9.3	8.6	7.8	7.1
90°	24.0	22.6	20.8	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1
92.5°	41.5	40.7	39.4	38.1	36.8	35.6	33.5	30.6	27.7	24.9	22.0
95°	78.7	78.1	76.4	74.9	73.3	71.7	69.9	67.8	65.8	63.7	61.6
97.5°	124.3	123.5	121.6	119.8	117.9	116.0	114.2	112.6	111.0	109.3	107.7
100°	157.6	157.2	155.1	153.0	151.0	148.9	147.5	146.6	145.7	144.7	143.9
102.5°	192.3	191.7	189.8	188.0	186.1	184.2	183.1	182.8	182.4	182.0	181.6
105°	245.2	244.5	243.6	242.7	241.8	240.8	240.3	240.0	239.9	239.6	239.4
107.5°	302.5	301.8	301.7	301.6	301.4	301.3	301.1	300.8	300.6	300.2	300.0
110°	341.7	342.1	342.4	342.5	342.8	343.0	342.9	342.5	342.0	341.5	341.1



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	382.3	382.4	382.8	383.2	383.7	384.0	384.2	384.1	384.0	383.9	383.8
115°	445.7	445.8	446.3	446.8	447.3	447.7	447.9	447.9	447.9	447.9	447.9
117.5°	506.9	507.7	508.0	508.3	508.7	509.0	509.1	508.9	508.7	508.5	508.3
120°	548.5	549.6	550.3	551.0	551.7	552.4	552.2	551.4	550.4	549.5	548.6
122.5°	589.9	590.7	591.0	591.4	591.7	592.0	592.0	591.6	591.3	590.9	590.5
125°	650.9	651.3	651.6	651.8	652.0	652.3	652.4	652.4	652.4	652.4	652.4
127.5°	709.5	709.9	710.3	710.7	711.0	711.4	711.2	710.5	709.9	709.2	708.4
130°	750.5	751.0	751.0	751.0	751.0	751.0	750.7	750.0	749.3	748.6	747.9
132.5°	789.2	789.6	789.8	790.0	790.2	790.4	790.2	789.7	789.2	788.7	788.2
135°	847.2	847.6	847.6	847.6	847.6	847.6	846.9	845.5	844.1	842.8	841.4
137.5°	903.2	903.9	903.5	903.2	902.8	902.5	901.9	901.3	900.6	900.0	899.4
140°	939.8	940.0	940.0	940.0	940.0	940.0	939.8	939.4	938.9	938.4	938.0
142.5°	974.5	974.5	974.8	974.9	975.1	975.3	975.2	974.7	974.2	973.8	973.4
145°	1027.1	1027.4	1027.1	1026.9	1026.7	1026.4	1025.9	1025.0	1024.1	1023.2	1022.2
147.5°	1074.7	1074.8	1075.0	1075.2	1075.4	1075.5	1075.1	1074.0	1072.9	1071.8	1070.7
150°	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.0	1103.0	1102.2	1101.2	1100.3
152.5°	1132.1	1131.6	1131.4	1131.2	1131.0	1130.8	1130.4	1129.9	1129.3	1128.8	1128.2
155°	1171.1	1170.2	1170.4	1170.6	1170.8	1171.1	1171.2	1171.2	1171.2	1171.2	1171.2
157.5°	1206.0	1205.3	1205.4	1205.4	1205.5	1205.5	1205.7	1206.1	1206.6	1207.0	1207.4
160°	1227.3	1226.7	1226.9	1227.2	1227.3	1227.6	1227.8	1228.0	1228.3	1228.5	1228.8
162.5°	1246.0	1244.8	1245.0	1245.2	1245.5	1245.7	1246.1	1246.7	1247.3	1247.8	1248.5
165°	1271.2	1269.8	1270.3	1270.7	1271.2	1271.7	1272.2	1272.9	1273.6	1274.3	1274.9
167.5°	1292.6	1291.2	1291.2	1291.1	1291.1	1291.0	1291.5	1292.4	1293.4	1294.3	1295.3
170°	1304.1	1302.7	1302.5	1302.3	1302.0	1301.8	1302.3	1303.4	1304.6	1305.7	1306.8
172.5°	1312.5	1310.9	1310.9	1310.8	1310.8	1310.7	1311.2	1312.2	1313.1	1314.1	1315.0
175°	1321.8	1320.2	1320.4	1320.6	1320.9	1321.0	1321.8	1322.9	1324.1	1325.2	1326.4
177.5°	1327.2	1326.0	1326.0	1326.0	1326.0	1326.0	1326.4	1327.3	1328.2	1329.1	1330.0
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



TEST NUMBER: P332764-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	749.0	751.5	754.6	760.1	762.1	764.5	767.9	767.7	768.7	772.4	780.3
5°	751.8	761.3	770.6	781.6	793.4	801.1	811.6	818.0	824.5	832.8	847.0
7.5°	752.9	768.0	785.0	804.5	821.8	841.8	857.4	872.0	885.3	902.9	919.7
10°	751.1	771.5	793.4	818.0	844.2	866.4	886.5	909.3	928.7	949.9	969.1
12.5°	747.9	772.5	801.8	829.3	860.0	892.8	917.7	940.8	966.6	991.1	1020.6
15°	740.7	774.3	808.5	844.9	885.8	923.8	959.8	989.7	1017.5	1054.2	1092.7
17.5°	731.4	767.6	810.8	854.8	897.7	941.0	985.6	1030.5	1065.6	1111.1	1141.3
20°	722.8	764.7	809.1	861.5	904.4	958.3	1002.7	1046.1	1094.2	1139.5	1175.6
22.5°	710.7	756.5	803.7	855.8	912.2	966.1	1017.5	1064.6	1112.7	1162.0	1205.6
25°	695.4	737.0	792.7	851.9	908.0	966.6	1025.5	1084.7	1136.4	1188.5	1229.2
27.5°	669.2	721.8	773.7	834.8	897.1	963.4	1026.4	1088.3	1142.5	1185.3	1210.6
30°	655.9	701.5	758.0	819.3	886.8	958.0	1023.6	1084.3	1134.9	1169.1	1179.2
32.5°	636.2	683.3	738.5	802.0	873.5	946.6	1014.9	1072.2	1114.4	1132.3	1120.1
35°	606.9	649.4	705.2	770.2	844.5	922.5	990.0	1038.4	1060.0	1043.1	1000.8
37.5°	571.7	613.9	669.9	733.8	810.7	889.9	951.0	985.8	978.7	936.5	873.5
40°	547.1	586.5	639.8	708.9	783.8	863.3	917.0	935.8	916.1	855.6	788.8
42.5°	519.8	558.2	611.7	678.3	757.6	831.0	877.7	879.3	846.3	774.0	706.9
45°	478.1	514.8	565.3	634.6	708.0	777.1	807.9	792.7	731.7	662.0	594.5
47.5°	437.0	468.7	518.6	584.4	654.0	712.2	727.5	700.3	635.3	567.6	505.0
50°	406.9	438.9	485.8	548.7	615.8	666.1	673.4	637.4	573.6	505.5	456.5
52.5°	378.0	409.8	455.0	513.1	574.6	620.0	620.2	578.5	514.9	454.2	408.6
55°	335.6	364.3	405.0	457.1	512.0	547.4	538.8	495.6	440.5	387.8	348.0
57.5°	294.9	319.8	357.3	400.8	449.1	478.3	464.0	422.5	373.2	328.5	298.3
60°	268.5	292.2	324.2	365.3	405.9	428.7	415.2	377.6	332.2	296.2	270.0
62.5°	242.8	262.8	293.7	329.2	366.9	383.9	371.8	334.7	295.6	262.9	241.6
65°	206.5	222.8	247.5	278.1	305.5	320.0	309.7	275.2	245.3	221.9	204.9
67.5°	172.6	185.4	204.1	228.5	251.8	259.7	250.4	226.3	201.1	182.3	170.3
70°	149.2	161.2	176.9	195.7	216.0	224.4	215.2	196.1	175.4	158.1	146.4
72.5°	128.7	138.0	151.3	167.4	183.2	191.6	185.3	166.9	149.5	136.7	126.7
75°	98.0	106.0	115.3	126.7	139.0	144.6	139.0	126.4	114.3	104.8	97.7
77.5°	71.3	75.6	82.7	91.3	98.9	103.2	98.4	89.8	82.5	76.0	72.4
80°	54.3	57.4	62.3	69.1	74.3	78.3	75.2	68.1	62.3	57.9	56.4
82.5°	39.5	41.5	44.8	49.8	53.3	55.4	54.0	48.9	46.5	42.6	41.1
85°	19.4	20.7	22.8	24.3	27.4	27.7	28.0	25.9	23.8	22.8	21.5
87.5°	7.8	8.6	9.7	11.0	12.4	13.1	13.2	13.5	12.9	12.9	12.2
90°	5.6	8.1	10.6	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3
92.5°	24.9	27.7	30.6	33.5	35.6	36.8	38.1	39.4	40.7	41.5	42.3
95°	63.7	65.8	67.8	69.9	71.7	73.3	74.9	76.4	78.1	78.7	79.5
97.5°	109.3	111.0	112.6	114.2	116.0	117.9	119.8	121.6	123.5	124.3	125.2
100°	144.7	145.7	146.6	147.5	148.9	151.0	153.0	155.1	157.2	157.6	158.1
102.5°	182.0	182.4	182.8	183.1	184.2	186.1	188.0	189.8	191.7	192.3	193.0
105°	239.6	239.9	240.0	240.3	240.8	241.8	242.7	243.6	244.5	245.2	245.9
107.5°	300.2	300.6	300.8	301.1	301.3	301.4	301.6	301.7	301.8	302.5	303.1
110°	341.5	342.0	342.5	342.9	343.0	342.8	342.5	342.4	342.1	341.7	341.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.9	384.0	384.1	384.2	384.0	383.7	383.2	382.8	382.4	382.3	382.2
115°	447.9	447.9	447.9	447.9	447.7	447.3	446.8	446.3	445.8	445.7	445.4
117.5°	508.5	508.7	508.9	509.1	509.0	508.7	508.3	508.0	507.7	506.9	506.2
120°	549.5	550.4	551.4	552.2	552.4	551.7	551.0	550.3	549.6	548.5	547.4
122.5°	590.9	591.3	591.6	592.0	592.0	591.7	591.4	591.0	590.7	589.9	589.1
125°	652.4	652.4	652.4	652.4	652.3	652.0	651.8	651.6	651.3	650.9	650.5
127.5°	709.2	709.9	710.5	711.2	711.4	711.0	710.7	710.3	709.9	709.5	709.0
130°	748.6	749.3	750.0	750.7	751.0	751.0	751.0	751.0	751.0	750.5	750.1
132.5°	788.7	789.2	789.7	790.2	790.4	790.2	790.0	789.8	789.6	789.2	788.7
135°	842.8	844.1	845.5	846.9	847.6	847.6	847.6	847.6	847.6	847.2	846.7
137.5°	900.0	900.6	901.3	901.9	902.5	902.8	903.2	903.5	903.9	903.2	902.7
140°	938.4	938.9	939.4	939.8	940.0	940.0	940.0	940.0	940.0	939.8	939.6
142.5°	973.8	974.2	974.7	975.2	975.3	975.1	974.9	974.8	974.5	974.5	974.5
145°	1023.2	1024.1	1025.0	1025.9	1026.4	1026.7	1026.9	1027.1	1027.4	1027.1	1026.9
147.5°	1071.8	1072.9	1074.0	1075.1	1075.5	1075.4	1075.2	1075.0	1074.8	1074.7	1074.4
150°	1101.2	1102.2	1103.0	1104.0	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4
152.5°	1128.8	1129.3	1129.9	1130.4	1130.8	1131.0	1131.2	1131.4	1131.6	1132.1	1132.7
155°	1171.2	1171.2	1171.2	1171.2	1171.1	1170.8	1170.6	1170.4	1170.2	1171.1	1172.0
157.5°	1207.0	1206.6	1206.1	1205.7	1205.5	1205.5	1205.4	1205.4	1205.3	1206.0	1206.7
160°	1228.5	1228.3	1228.0	1227.8	1227.6	1227.3	1227.2	1226.9	1226.7	1227.3	1228.0
162.5°	1247.8	1247.3	1246.7	1246.1	1245.7	1245.5	1245.2	1245.0	1244.8	1246.0	1247.2
165°	1274.3	1273.6	1272.9	1272.2	1271.7	1271.2	1270.7	1270.3	1269.8	1271.2	1272.6
167.5°	1294.3	1293.4	1292.4	1291.5	1291.0	1291.1	1291.1	1291.2	1291.2	1292.6	1294.0
170°	1305.7	1304.6	1303.4	1302.3	1301.8	1302.0	1302.3	1302.5	1302.7	1304.1	1305.4
172.5°	1314.1	1313.1	1312.2	1311.2	1310.7	1310.8	1310.8	1310.9	1310.9	1312.5	1314.0
175°	1325.2	1324.1	1322.9	1321.8	1321.0	1320.9	1320.6	1320.4	1320.2	1321.8	1323.3
177.5°	1329.1	1328.2	1327.3	1326.4	1326.0	1326.0	1326.0	1326.0	1326.0	1327.2	1328.5
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	744.0	744.0	744.0	744.0	744.0	744.0	744.0
2.5°	784.3	784.7	787.0	788.7	789.2	791.6	791.9
5°	853.2	858.4	868.5	869.5	871.0	879.1	872.9
7.5°	933.9	947.2	956.1	963.9	966.8	970.3	969.6
10°	985.7	1005.4	1015.3	1031.0	1031.7	1035.6	1033.2
12.5°	1037.8	1060.7	1078.6	1081.6	1094.7	1096.8	1100.3
15°	1111.4	1135.8	1160.8	1169.7	1187.9	1192.2	1199.0
17.5°	1180.7	1205.6	1223.1	1246.3	1253.7	1263.7	1257.0
20°	1218.7	1245.9	1268.0	1286.2	1294.0	1299.5	1298.9
22.5°	1241.7	1269.0	1287.0	1300.8	1308.0	1310.3	1310.2
25°	1256.0	1271.8	1277.3	1282.5	1274.5	1271.8	1273.0
27.5°	1216.1	1212.0	1197.5	1178.5	1158.8	1143.1	1134.6
30°	1161.1	1137.0	1115.2	1077.0	1057.2	1045.5	1035.0
32.5°	1083.2	1045.0	1003.0	968.0	945.5	928.1	925.5
35°	949.7	892.3	840.8	798.0	775.8	757.0	752.7
37.5°	807.4	747.8	701.5	663.7	639.8	626.6	614.3
40°	712.9	661.8	616.2	584.1	565.9	556.3	548.7
42.5°	640.2	593.4	548.1	523.6	507.2	501.4	496.9
45°	539.7	496.2	464.8	446.3	436.7	426.9	422.2
47.5°	459.2	423.9	403.1	387.5	377.2	371.4	368.4
50°	413.6	384.7	366.1	354.2	344.9	340.2	337.8
52.5°	373.2	349.4	333.9	324.3	318.1	314.7	313.6
55°	321.5	303.3	293.4	285.1	280.5	277.4	276.2
57.5°	279.4	265.5	257.5	250.6	248.8	246.2	245.3
60°	251.8	241.1	234.2	229.7	228.1	225.0	225.6
62.5°	227.4	218.6	212.8	210.2	208.1	205.5	206.4
65°	192.3	185.8	182.8	180.3	177.8	176.3	177.5
67.5°	161.4	156.9	152.7	151.3	150.1	149.9	148.5
70°	141.2	137.4	133.8	132.8	132.8	131.6	131.3
72.5°	121.7	119.0	116.5	115.8	114.9	115.3	114.1
75°	94.0	91.8	90.9	90.0	89.7	89.7	88.8
77.5°	69.5	67.9	66.4	66.4	65.3	64.9	64.7
80°	52.7	52.1	50.9	50.9	50.2	50.5	49.9
82.5°	39.6	38.7	38.5	38.0	37.2	37.2	36.6
85°	21.2	20.4	20.0	19.1	18.5	19.1	18.5
87.5°	12.8	12.8	12.7	12.3	12.1	12.2	11.6
90°	26.7	28.0	29.0	29.5	29.9	30.3	30.8
92.5°	43.2	44.0	44.5	44.8	45.1	45.3	45.6
95°	80.2	80.8	81.2	81.2	81.2	81.2	81.2
97.5°	126.0	126.7	127.2	127.2	127.2	127.2	127.2
100°	158.6	159.0	159.2	159.2	159.2	159.2	159.2
102.5°	193.6	194.2	194.6	194.9	195.0	195.2	195.4
105°	246.6	247.2	248.0	248.6	249.3	250.0	250.6
107.5°	303.7	304.4	304.7	304.7	304.6	304.6	304.5
110°	340.7	340.3	340.4	341.1	341.7	342.5	343.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	382.1	382.0	382.1	382.1	382.3	382.5	382.6
115°	445.2	445.0	444.7	444.5	444.3	444.0	443.9
117.5°	505.4	504.6	504.0	503.5	503.1	502.6	502.2
120°	546.2	545.1	544.7	545.2	545.7	546.1	546.5
122.5°	588.4	587.6	586.8	586.0	585.2	584.4	583.5
125°	650.0	649.5	649.0	648.6	648.2	647.7	647.2
127.5°	708.5	708.1	707.7	707.3	706.9	706.5	706.2
130°	749.6	749.2	748.5	747.6	746.6	745.8	744.8
132.5°	788.3	787.8	787.4	787.0	786.6	786.3	785.9
135°	846.2	845.7	845.2	844.5	843.8	843.1	842.4
137.5°	902.1	901.5	901.3	901.4	901.6	901.7	901.8
140°	939.4	939.1	938.9	938.7	938.4	938.2	938.0
142.5°	974.5	974.4	974.3	974.3	974.2	974.2	974.1
145°	1026.7	1026.4	1026.0	1025.3	1024.6	1024.0	1023.3
147.5°	1074.3	1074.1	1073.9	1073.6	1073.4	1073.2	1073.0
150°	1104.4	1104.4	1104.3	1104.1	1103.8	1103.6	1103.4
152.5°	1133.2	1133.8	1133.7	1133.1	1132.5	1131.9	1131.3
155°	1172.9	1173.9	1173.9	1172.9	1172.0	1171.1	1170.2
157.5°	1207.4	1208.1	1208.0	1207.2	1206.4	1205.7	1204.9
160°	1228.8	1229.4	1229.2	1228.0	1226.9	1225.7	1224.6
162.5°	1248.5	1249.7	1249.7	1248.6	1247.4	1246.3	1245.2
165°	1273.9	1275.3	1275.6	1274.6	1273.7	1272.8	1271.8
167.5°	1295.3	1296.6	1296.6	1295.2	1293.8	1292.4	1291.0
170°	1306.8	1308.2	1308.1	1306.5	1304.9	1303.3	1301.7
172.5°	1315.6	1317.2	1317.1	1315.5	1313.9	1312.3	1310.7
175°	1324.9	1326.6	1326.6	1324.9	1323.3	1321.8	1320.2
177.5°	1329.8	1331.0	1330.9	1329.5	1328.0	1326.6	1325.1
180°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4

(END OF REPORT)