

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: P332562-940

Luminaire Tested: **SA4XXDIP-C575D1035U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332562-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C575D1035U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

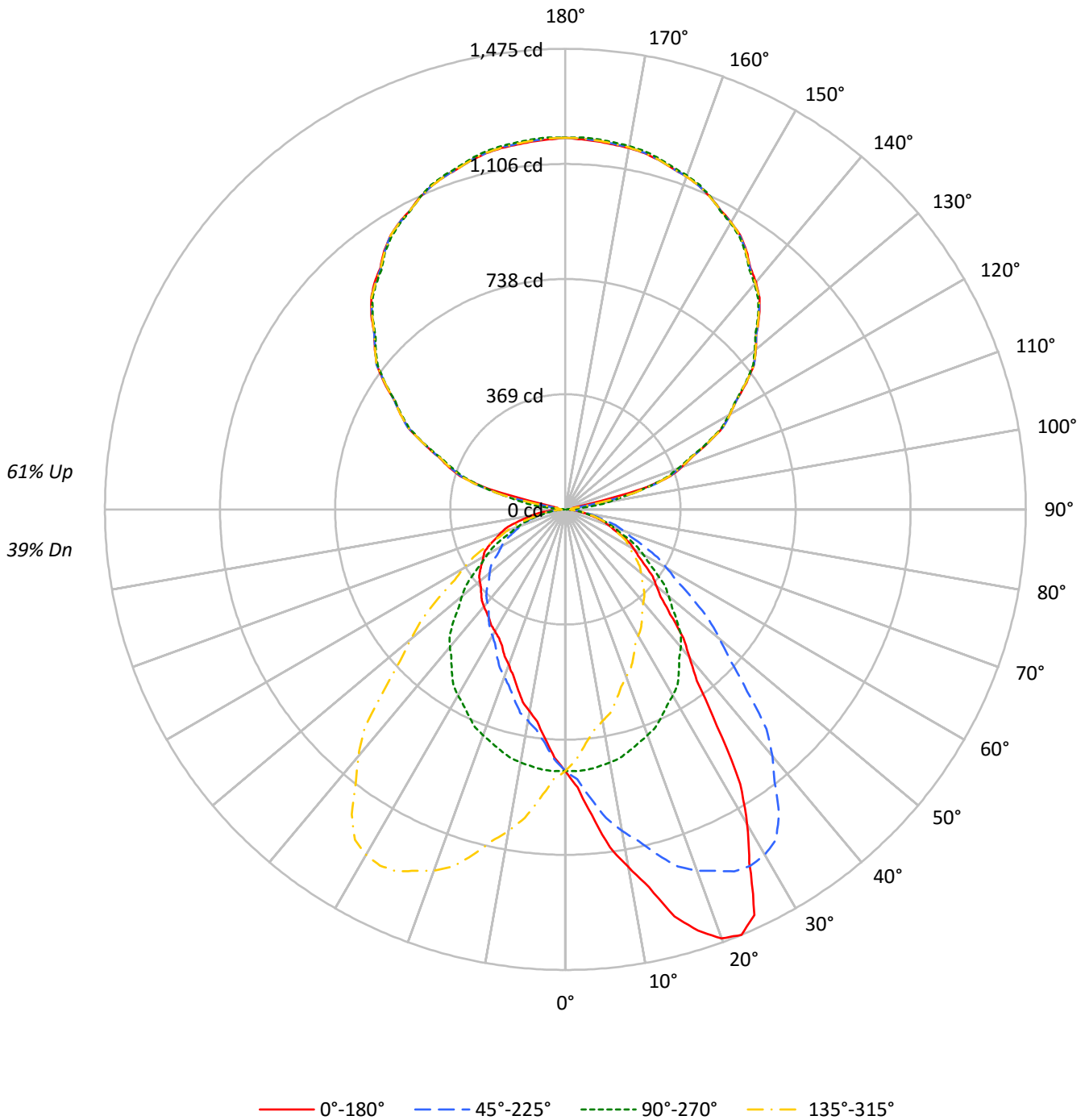
Lumens per Lamp: N/A
Luminaire Lumens: 5995.7 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
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	95	95	95	95	77	77	77	61	61	61	46	46	46	39				
1	95	91	87	84	87	83	80	77	68	65	63	54	52	51	41	40	39	33				
2	87	80	74	69	79	73	68	63	59	56	53	47	45	43	36	34	33	28				
3	79	70	63	58	72	64	58	53	53	48	45	42	39	36	32	30	28	24				
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	29	26	24	20				
5	67	55	48	42	60	51	44	39	42	37	33	34	30	27	26	23	21	18				
6	61	50	42	36	56	46	39	34	38	33	29	30	27	24	24	21	19	16				
7	57	45	37	32	51	41	34	30	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	23	20	23	19	17	18	16	14	11				
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6761	6761	6761	6761
5°	7963	6779	5983	6779
10°	9534	6749	5387	6749
15°	11280	6680	4947	6680
20°	12560	6611	4554	6611
25°	12764	6509	4284	6509
30°	10860	6411	4198	6411
35°	8349	6250	4199	6250
40°	6509	6062	4278	6062
45°	5426	5779	4349	5779
50°	4775	5434	4496	5434
55°	4376	5020	4677	5020
60°	4101	4648	4897	4648
65°	3817	4235	5075	4235
70°	3489	3824	5193	3824
75°	3119	3366	5128	3366
80°	2613	2757	4965	2757
85°	1927	1991	4761	1991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.4
10°-20°	251.5	4.2
20°-30°	398.8	6.7
30°-40°	443.8	7.4
40°-50°	404.0	6.7
50°-60°	330.1	5.5
60°-70°	235.7	3.9
70°-80°	129.8	2.2
80°-90°	38.9	0.6
90°-100°	40.7	0.7
100°-110°	259.5	4.3
110°-120°	496.5	8.3
120°-130°	630.3	10.5
130°-140°	674.3	11.2
140°-150°	630.6	10.5
150°-160°	508.5	8.5
160°-170°	328.0	5.5
170°-180°	113.0	1.9
0°-30°	731.9	12.2
0°-40°	1175.7	19.6
0°-60°	1909.9	31.9
0°-90°	2314.2	38.6
90°-120°	796.7	13.3
90°-150°	2731.9	45.6
90°-180°	3681.0	61.4
0°-180°	5995.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	838	838	838	838	838	
5°	983	836	738	836	983	100
15°	1350	799	592	799	1350	381
25°	1433	731	481	731	1433	632
35°	847	634	426	634	847	538
45°	475	506	381	506	475	374
55°	311	357	332	357	311	281
65°	200	222	266	222	200	198
75°	100	108	164	108	100	106
85°	21	22	51	22	21	26
90°	27	3	27	3	27	12
95°	26	49	26	49	26	21
105°	254	268	254	268	254	221
115°	504	500	504	500	504	499
125°	709	703	709	703	709	631
135°	879	872	879	872	879	676
145°	1011	1006	1011	1006	1011	632
155°	1102	1103	1102	1103	1102	508
165°	1158	1163	1158	1163	1158	327
175°	1183	1190	1183	1190	1183	113
180°	1190	1190	1190	1190	1190	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	891.4	891.1	888.3	887.8	885.8	883.3	882.8	878.3	869.4	865.3	864.2
5°	982.6	989.5	980.4	978.7	977.7	966.3	960.4	953.4	937.5	928.1	920.8
7.5°	1091.4	1092.2	1088.2	1085.0	1076.2	1066.2	1051.2	1035.3	1016.3	996.5	981.6
10°	1163.0	1165.7	1161.3	1160.6	1142.8	1131.8	1109.6	1090.8	1069.3	1045.4	1023.5
12.5°	1238.5	1234.6	1232.3	1217.5	1214.2	1193.9	1168.1	1148.8	1115.6	1088.1	1059.0
15°	1349.6	1342.0	1337.1	1316.7	1306.6	1278.5	1251.1	1229.9	1186.6	1145.3	1114.0
17.5°	1414.9	1422.5	1411.2	1402.8	1376.8	1357.1	1329.1	1284.7	1250.7	1199.4	1160.0
20°	1462.0	1462.8	1456.5	1447.8	1427.4	1402.4	1371.8	1323.3	1282.6	1231.6	1177.5
22.5°	1474.8	1475.0	1472.3	1464.2	1448.7	1428.4	1397.7	1357.1	1308.0	1252.5	1198.4
25°	1432.9	1431.6	1434.7	1443.7	1437.8	1431.6	1413.8	1383.7	1337.8	1279.2	1220.9
27.5°	1277.2	1286.7	1304.4	1326.6	1348.0	1364.2	1368.9	1362.7	1334.3	1286.0	1225.0
30°	1165.0	1176.9	1190.0	1212.3	1255.3	1279.9	1307.0	1327.4	1316.0	1277.5	1220.6
32.5°	1041.8	1044.7	1064.3	1089.6	1129.0	1176.3	1219.2	1260.8	1274.6	1254.5	1206.9
35°	847.2	852.1	873.3	898.2	946.5	1004.4	1069.0	1126.5	1174.1	1193.2	1168.9
37.5°	691.4	705.3	720.2	747.1	789.6	841.8	908.8	983.3	1054.2	1101.6	1109.6
40°	617.6	626.2	637.0	657.5	693.6	744.9	802.5	887.9	963.1	1031.2	1053.4
42.5°	559.3	564.4	571.0	589.4	617.0	668.0	720.6	795.7	871.3	952.6	989.8
45°	475.3	480.5	491.6	502.4	523.2	558.6	607.5	669.2	745.2	823.7	892.3
47.5°	414.6	418.0	424.6	436.1	453.8	477.2	516.9	568.5	638.9	715.1	788.3
50°	380.2	383.0	388.3	398.7	412.1	433.0	465.6	513.8	569.0	645.7	717.5
52.5°	353.0	354.2	358.0	365.1	375.9	393.3	420.1	459.9	511.3	579.6	651.1
55°	310.9	312.3	315.8	320.9	330.3	341.4	361.9	391.7	436.5	495.8	557.9
57.5°	276.2	277.1	280.1	282.0	289.8	298.8	314.5	335.8	369.8	420.1	475.5
60°	254.0	253.2	256.7	258.5	263.7	271.3	283.5	303.9	333.4	374.0	425.0
62.5°	232.3	231.3	234.3	236.6	239.5	246.0	256.0	272.0	296.0	332.7	376.7
65°	199.8	198.5	200.2	203.0	205.7	209.2	216.5	230.7	249.8	276.2	309.8
67.5°	167.2	168.7	169.0	170.3	171.9	176.6	181.6	191.7	205.2	226.3	254.8
70°	147.8	148.1	149.5	149.5	150.6	154.7	158.9	164.8	178.0	197.4	220.7
72.5°	128.4	129.8	129.3	130.4	131.2	133.9	137.0	142.6	153.8	168.3	187.9
75°	100.0	100.9	100.9	101.3	102.4	103.3	105.8	109.9	118.0	128.7	142.2
77.5°	72.9	73.0	73.5	74.7	74.7	76.4	78.2	81.5	85.5	92.8	101.1
80°	56.2	56.9	56.5	57.2	57.2	58.7	59.3	63.5	65.2	70.1	76.7
82.5°	41.2	41.9	41.8	42.8	43.3	43.6	44.6	46.3	48.0	52.3	55.0
85°	20.8	21.5	20.8	21.5	22.6	22.9	23.9	24.3	25.7	26.8	29.2
87.5°	11.4	12.2	12.1	12.3	12.8	12.9	12.9	12.5	13.3	13.4	14.2
90°	26.7	26.3	25.9	25.5	25.1	24.3	23.2	21.9	20.8	19.6	18.0
92.5°	24.6	24.5	24.4	24.3	24.3	23.6	22.5	21.2	20.1	18.9	17.3
95°	25.8	25.6	25.4	25.2	25.1	24.3	23.2	21.9	20.8	19.6	19.4
97.5°	25.0	24.7	24.5	24.3	24.2	24.0	23.9	23.7	23.6	23.5	45.6
100°	25.0	24.7	24.5	24.3	24.2	25.7	29.1	32.5	35.8	39.1	66.4
102.5°	25.7	25.6	25.6	25.5	25.5	43.6	79.9	116.2	152.4	188.7	192.3
105°	253.7	260.8	268.0	275.1	282.2	284.8	283.0	281.3	279.6	277.8	276.8
107.5°	353.6	352.8	352.0	351.3	350.5	349.7	348.9	348.0	347.1	346.3	344.9
110°	397.0	396.5	395.8	395.2	394.7	394.1	393.8	393.3	393.0	392.5	391.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.4	439.7	439.0	438.2	437.5	437.1	437.2	437.3	437.4	437.4	436.8
115°	503.8	503.8	503.8	503.8	503.8	503.6	503.3	502.8	502.5	502.0	502.2
117.5°	568.3	568.4	568.5	568.6	568.6	568.6	568.7	568.8	568.9	569.0	568.6
120°	608.9	609.3	609.7	610.0	610.5	610.5	610.0	609.7	609.3	608.9	609.0
122.5°	648.7	649.2	649.5	650.0	650.3	650.4	650.1	650.0	649.7	649.4	649.2
125°	708.6	708.4	708.2	708.0	707.8	707.4	706.8	706.2	705.6	705.0	705.4
127.5°	761.1	761.3	761.4	761.6	761.7	761.9	762.0	762.1	762.2	762.3	761.4
130°	796.7	796.7	796.7	796.7	796.7	796.6	796.4	796.2	796.0	795.9	795.2
132.5°	829.5	829.6	829.7	829.9	830.1	830.1	829.9	829.6	829.5	829.3	828.5
135°	878.6	878.2	877.8	877.4	877.0	876.6	876.2	875.8	875.4	875.0	874.2
137.5°	920.6	920.7	920.9	921.0	921.0	921.0	920.5	920.1	919.6	919.2	918.3
140°	949.9	949.6	949.4	949.2	949.0	948.6	948.1	947.4	946.8	946.3	945.8
142.5°	974.0	974.0	973.9	973.9	973.8	973.7	973.2	972.8	972.3	971.9	971.6
145°	1011.2	1010.8	1010.4	1010.0	1009.7	1009.3	1009.1	1009.0	1008.8	1008.5	1008.5
147.5°	1042.1	1041.9	1041.6	1041.4	1041.3	1041.1	1040.9	1040.7	1040.6	1040.4	1040.6
150°	1061.9	1061.8	1061.6	1061.4	1061.1	1061.0	1061.0	1061.0	1061.0	1061.0	1061.3
152.5°	1079.1	1079.1	1079.3	1079.4	1079.5	1079.4	1079.1	1078.8	1078.5	1078.2	1078.5
155°	1102.1	1102.6	1103.2	1103.8	1104.4	1104.3	1103.5	1102.7	1101.9	1101.2	1101.7
157.5°	1121.2	1122.3	1123.3	1124.4	1125.3	1125.3	1124.4	1123.3	1122.3	1121.2	1122.0
160°	1134.1	1135.2	1136.5	1137.6	1138.8	1138.8	1137.6	1136.5	1135.2	1134.1	1134.3
162.5°	1144.1	1145.4	1146.7	1148.1	1149.4	1149.5	1148.3	1147.1	1145.9	1144.8	1145.0
165°	1158.1	1159.8	1161.6	1163.4	1165.2	1165.3	1163.8	1162.2	1160.6	1159.0	1159.0
167.5°	1168.6	1170.5	1172.6	1174.6	1176.5	1176.6	1174.9	1173.1	1171.4	1169.7	1169.8
170°	1175.0	1177.0	1179.0	1181.0	1182.9	1183.1	1181.5	1180.0	1178.4	1176.8	1176.6
172.5°	1178.6	1180.7	1182.9	1185.0	1187.1	1187.4	1185.8	1184.3	1182.7	1181.1	1180.9
175°	1183.0	1185.4	1187.8	1190.2	1192.5	1192.8	1191.1	1189.3	1187.5	1185.7	1185.5
177.5°	1185.9	1187.8	1189.7	1191.6	1193.5	1193.8	1192.5	1191.2	1190.0	1188.7	1188.4
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	864.4	860.6	857.8	855.6	849.4	845.9	843.1	839.2	834.7	830.0	824.2
5°	913.6	901.7	893.0	879.9	867.4	856.9	846.2	836.5	824.7	811.9	802.5
7.5°	965.1	947.5	925.1	905.5	883.6	864.5	847.5	830.0	811.8	794.2	778.0
10°	997.8	975.3	950.3	920.8	893.0	868.4	845.5	823.3	801.8	780.2	761.9
12.5°	1033.0	1005.0	968.0	933.5	902.5	869.5	841.9	814.7	788.7	766.2	744.7
15°	1080.4	1039.8	997.1	951.0	910.1	871.6	833.7	799.3	770.3	740.4	719.6
17.5°	1109.5	1059.3	1010.5	962.2	912.7	864.1	823.3	783.7	747.2	717.6	691.3
20°	1128.6	1078.7	1018.0	969.7	910.7	860.8	813.6	769.5	731.4	699.8	672.7
22.5°	1145.3	1087.5	1026.8	963.3	904.6	851.6	800.0	755.6	716.7	683.4	657.5
25°	1154.3	1088.1	1022.1	958.9	892.3	829.6	782.7	730.7	689.0	654.0	626.2
27.5°	1155.3	1084.4	1009.9	939.7	870.9	812.4	753.3	706.8	663.6	626.5	599.9
30°	1152.2	1078.3	998.2	922.2	853.2	789.6	738.3	687.7	643.5	606.8	579.1
32.5°	1142.5	1065.5	983.2	902.8	831.3	769.1	716.1	668.0	625.0	588.8	559.6
35°	1114.4	1038.4	950.7	867.0	793.8	731.0	683.1	634.2	591.2	556.9	528.8
37.5°	1070.5	1001.7	912.6	826.0	754.1	691.1	643.5	599.4	560.6	525.7	496.9
40°	1032.2	971.8	882.3	798.0	720.2	660.2	615.8	575.2	536.7	503.7	476.4
42.5°	988.0	935.4	852.8	763.6	688.6	628.3	585.1	548.6	512.3	481.9	454.4
45°	909.4	874.7	796.9	714.3	636.3	579.4	538.1	506.2	475.6	445.9	422.9
47.5°	818.9	801.6	736.2	657.8	583.7	527.6	491.9	462.4	435.6	410.3	390.1
50°	758.0	749.8	693.2	617.6	546.8	494.1	458.0	432.7	409.7	387.5	368.5
52.5°	698.1	697.9	646.8	577.6	512.1	461.3	425.5	401.8	382.0	363.9	346.8
55°	606.5	616.2	576.3	514.5	455.9	410.1	377.8	356.7	342.8	327.9	315.0
57.5°	522.3	538.4	505.5	451.1	402.2	360.0	331.9	316.0	301.2	292.2	282.9
60°	467.3	482.6	456.9	411.2	365.0	328.9	302.2	287.9	275.1	268.9	262.3
62.5°	418.5	432.1	413.0	370.6	330.6	295.9	273.3	259.7	251.0	244.2	239.8
65°	348.7	360.2	343.8	313.0	278.6	250.8	232.5	221.7	213.4	210.6	205.7
67.5°	281.9	292.3	283.5	257.3	229.7	208.7	194.3	184.0	179.1	176.6	173.2
70°	242.2	252.6	243.2	220.3	199.1	181.5	167.9	162.0	156.9	155.8	151.0
72.5°	208.6	215.7	206.3	188.4	170.3	155.3	144.9	138.8	136.0	134.1	131.5
75°	156.5	162.7	156.5	142.6	129.7	119.3	110.3	107.9	104.8	103.7	102.0
77.5°	110.8	116.2	111.4	102.7	93.1	85.1	80.3	77.1	76.4	74.6	75.4
80°	84.6	88.1	83.6	77.8	70.1	64.6	61.1	59.3	57.2	56.5	58.0
82.5°	60.8	62.3	60.0	56.1	50.4	46.7	44.4	42.4	42.0	42.1	42.1
85°	31.6	31.2	30.9	27.4	25.7	23.3	21.8	21.5	21.1	21.8	22.6
87.5°	13.8	13.8	13.2	11.7	10.4	9.2	8.5	7.8	8.5	9.2	9.9
90°	16.4	14.8	13.3	11.4	9.2	7.0	4.8	2.7	4.8	7.0	9.2
92.5°	15.7	14.1	12.6	11.7	11.6	11.4	11.3	11.2	11.3	11.4	11.6
95°	19.2	19.0	18.8	22.0	28.8	35.5	42.3	49.0	42.3	35.5	28.8
97.5°	67.7	89.7	111.8	120.7	116.5	112.4	108.2	104.0	108.2	112.4	116.5
100°	93.8	121.1	148.4	160.2	156.7	153.1	149.5	146.0	149.5	153.1	156.7
102.5°	195.8	199.4	203.0	203.4	200.8	198.2	195.6	193.0	195.6	198.2	200.8
105°	275.7	274.7	273.8	272.7	271.5	270.3	269.1	268.0	269.1	270.3	271.5
107.5°	343.6	342.2	340.9	339.9	339.3	338.8	338.1	337.5	338.1	338.8	339.3
110°	390.2	389.0	387.8	386.9	386.3	385.8	385.1	384.6	385.1	385.8	386.3



TEST NUMBER: P332562-940

CATALOG NUMBER: SA4XXDIP-C575D1035U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	436.3	435.8	435.2	434.4	433.4	432.3	431.2	430.2	431.2	432.3	433.4
115°	502.5	502.7	502.8	502.7	502.0	501.5	500.9	500.2	500.9	501.5	502.0
117.5°	568.1	567.7	567.2	566.7	565.9	565.1	564.3	563.5	564.3	565.1	565.9
120°	609.3	609.5	609.7	609.4	608.6	607.8	607.0	606.2	607.0	607.8	608.6
122.5°	648.9	648.6	648.4	648.0	647.5	647.0	646.6	646.0	646.6	647.0	647.5
125°	705.8	706.2	706.6	706.4	705.6	704.8	704.0	703.2	704.0	704.8	705.6
127.5°	760.5	759.6	758.7	758.1	758.0	757.8	757.5	757.3	757.5	757.8	758.0
130°	794.6	794.1	793.4	793.0	792.8	792.6	792.5	792.3	792.5	792.6	792.8
132.5°	827.8	827.1	826.3	825.7	825.4	825.0	824.7	824.3	824.7	825.0	825.4
135°	873.4	872.6	871.8	871.6	871.7	872.0	872.2	872.4	872.2	872.0	871.7
137.5°	917.5	916.6	915.7	915.3	915.2	915.1	915.0	914.9	915.0	915.1	915.2
140°	945.5	945.0	944.7	944.2	943.9	943.5	943.1	942.7	943.1	943.5	943.9
142.5°	971.4	971.2	970.9	970.4	969.7	969.0	968.3	967.6	968.3	969.0	969.7
145°	1008.5	1008.5	1008.5	1008.3	1007.6	1007.1	1006.5	1005.8	1006.5	1007.1	1007.6
147.5°	1040.8	1041.0	1041.3	1040.8	1039.6	1038.6	1037.4	1036.3	1037.4	1038.6	1039.6
150°	1061.5	1061.7	1061.8	1061.6	1060.8	1060.0	1059.2	1058.4	1059.2	1060.0	1060.8
152.5°	1078.9	1079.2	1079.6	1079.4	1078.8	1078.2	1077.5	1076.9	1077.5	1078.2	1078.8
155°	1102.3	1103.0	1103.5	1103.7	1103.5	1103.3	1103.1	1103.0	1103.1	1103.3	1103.5
157.5°	1122.6	1123.3	1123.9	1124.4	1124.4	1124.5	1124.7	1124.8	1124.7	1124.5	1124.4
160°	1134.4	1134.7	1134.9	1135.2	1135.9	1136.5	1137.0	1137.6	1137.0	1136.5	1135.9
162.5°	1145.1	1145.3	1145.6	1146.0	1146.7	1147.5	1148.3	1149.1	1148.3	1147.5	1146.7
165°	1159.0	1159.0	1159.0	1159.5	1160.5	1161.5	1162.4	1163.4	1162.4	1161.5	1160.5
167.5°	1169.9	1170.0	1170.2	1170.7	1171.8	1172.8	1173.8	1174.8	1173.8	1172.8	1171.8
170°	1176.4	1176.2	1176.0	1176.5	1177.7	1178.8	1180.1	1181.2	1180.1	1178.8	1177.7
172.5°	1180.7	1180.4	1180.3	1180.8	1182.0	1183.1	1184.4	1185.5	1184.4	1183.1	1182.0
175°	1185.4	1185.1	1184.9	1185.4	1186.6	1187.8	1189.0	1190.2	1189.0	1187.8	1186.6
177.5°	1188.1	1187.8	1187.5	1187.8	1189.0	1190.1	1191.1	1192.3	1191.1	1190.1	1189.0
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



TEST NUMBER: P332562-940

CATALOG NUMBER: SA4XXDIP-C575D1035U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	821.4	818.9	815.3	810.3	806.2	801.7	800.6	799.0	802.3	799.5	798.7
5°	794.5	787.2	777.8	767.1	760.9	751.8	750.1	746.6	743.2	742.8	739.3
7.5°	766.0	755.3	743.1	732.1	721.9	712.1	705.6	704.3	699.1	696.2	692.7
10°	747.7	734.5	720.2	709.9	698.0	687.7	680.4	676.2	672.7	668.9	665.5
12.5°	726.0	712.0	700.3	689.0	675.0	667.1	655.1	647.9	647.2	647.3	638.3
15°	700.8	687.0	668.9	653.0	645.3	630.1	623.5	615.1	609.9	604.8	600.6
17.5°	672.1	654.8	640.7	622.3	607.8	595.7	586.9	581.9	574.2	566.8	561.4
20°	654.0	635.6	620.7	601.3	585.3	570.4	563.1	556.2	550.3	544.0	538.1
22.5°	635.7	616.4	598.2	579.3	564.5	548.8	541.7	532.3	526.6	523.2	517.3
25°	606.8	586.0	565.2	547.2	531.9	518.0	508.6	501.3	495.1	492.3	488.5
27.5°	575.4	554.7	534.7	514.2	496.9	486.8	479.3	473.8	470.2	466.5	464.8
30°	555.4	534.0	512.5	493.4	477.4	467.3	460.4	456.6	453.8	452.1	450.3
32.5°	535.2	514.0	491.3	473.9	459.7	450.7	445.4	441.6	440.2	439.6	439.0
35°	502.7	481.3	460.4	444.8	431.2	427.8	423.3	421.2	420.5	422.9	424.0
37.5°	471.3	451.3	432.1	417.1	408.1	403.1	401.5	401.6	404.1	406.3	408.8
40°	451.0	431.6	413.6	400.4	392.1	389.0	388.3	389.9	392.7	395.2	398.0
42.5°	431.3	412.1	395.8	383.4	377.6	374.8	375.2	376.9	380.8	383.8	388.0
45°	400.7	384.8	368.8	358.7	353.9	354.5	354.5	357.7	361.5	366.0	370.5
47.5°	371.9	355.8	342.7	334.2	331.7	331.1	333.1	337.2	342.7	348.2	354.5
50°	352.5	337.2	325.7	318.2	315.4	316.4	319.2	323.0	329.6	336.5	343.1
52.5°	332.8	318.9	308.3	301.2	299.3	301.1	303.9	310.0	315.8	323.2	331.2
55°	302.2	290.4	282.0	276.9	276.2	277.2	280.4	287.0	295.2	304.6	312.3
57.5°	271.7	261.9	254.2	250.7	251.0	252.0	257.1	264.9	273.8	283.8	293.6
60°	251.2	242.2	235.9	233.2	233.5	235.6	241.8	249.1	260.2	269.9	280.4
62.5°	231.8	223.8	217.8	215.3	214.9	219.5	225.4	233.0	244.2	254.9	266.2
65°	200.5	194.3	189.4	188.1	189.0	192.5	200.2	210.3	219.6	231.0	242.9
67.5°	170.0	164.9	161.6	162.2	163.5	168.5	175.0	183.6	194.2	206.1	217.8
70°	150.6	145.7	142.9	143.3	145.3	151.6	157.2	165.9	177.3	189.4	199.1
72.5°	130.6	127.4	124.9	126.4	128.4	132.8	139.6	148.4	158.5	169.7	180.0
75°	100.2	100.2	98.9	100.0	103.1	107.2	112.4	121.5	131.5	140.5	148.8
77.5°	74.4	73.7	74.5	75.8	77.6	82.5	88.5	95.0	102.5	111.6	118.4
80°	56.9	57.2	58.9	61.1	61.8	65.5	71.8	77.8	83.6	91.2	97.8
82.5°	42.7	43.1	44.0	46.6	47.3	51.5	55.5	61.3	66.7	71.8	77.3
85°	23.3	23.3	25.0	26.0	27.7	30.5	33.0	36.5	41.3	44.8	49.9
87.5°	11.1	11.5	12.9	13.8	15.0	16.7	17.5	20.8	22.1	23.7	26.4
90°	11.4	13.3	14.8	16.4	18.0	19.6	20.8	21.9	23.2	24.3	25.1
92.5°	11.7	12.6	14.1	15.7	17.3	18.9	20.1	21.2	22.5	23.6	24.3
95°	22.0	18.8	19.0	19.2	19.4	19.6	20.8	21.9	23.2	24.3	25.1
97.5°	120.7	111.8	89.7	67.7	45.6	23.5	23.6	23.7	23.9	24.0	24.2
100°	160.2	148.4	121.1	93.8	66.4	39.1	35.8	32.5	29.1	25.7	24.2
102.5°	203.4	203.0	199.4	195.8	192.3	188.7	152.4	116.2	79.9	43.6	25.5
105°	272.7	273.8	274.7	275.7	276.8	277.8	279.6	281.3	283.0	284.8	282.2
107.5°	339.9	340.9	342.2	343.6	344.9	346.3	347.1	348.0	348.9	349.7	350.5
110°	386.9	387.8	389.0	390.2	391.4	392.5	393.0	393.3	393.8	394.1	394.7



TEST NUMBER: P332562-940

CATALOG NUMBER: SA4XXDIP-C575D1035U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	434.4	435.2	435.8	436.3	436.8	437.4	437.4	437.3	437.2	437.1	437.5
115°	502.7	502.8	502.7	502.5	502.2	502.0	502.5	502.8	503.3	503.6	503.8
117.5°	566.7	567.2	567.7	568.1	568.6	569.0	568.9	568.8	568.7	568.6	568.6
120°	609.4	609.7	609.5	609.3	609.0	608.9	609.3	609.7	610.0	610.5	610.5
122.5°	648.0	648.4	648.6	648.9	649.2	649.4	649.7	650.0	650.1	650.4	650.3
125°	706.4	706.6	706.2	705.8	705.4	705.0	705.6	706.2	706.8	707.4	707.8
127.5°	758.1	758.7	759.6	760.5	761.4	762.3	762.2	762.1	762.0	761.9	761.7
130°	793.0	793.4	794.1	794.6	795.2	795.9	796.0	796.2	796.4	796.6	796.7
132.5°	825.7	826.3	827.1	827.8	828.5	829.3	829.5	829.6	829.9	830.1	830.1
135°	871.6	871.8	872.6	873.4	874.2	875.0	875.4	875.8	876.2	876.6	877.0
137.5°	915.3	915.7	916.6	917.5	918.3	919.2	919.6	920.1	920.5	921.0	921.0
140°	944.2	944.7	945.0	945.5	945.8	946.3	946.8	947.4	948.1	948.6	949.0
142.5°	970.4	970.9	971.2	971.4	971.6	971.9	972.3	972.8	973.2	973.7	973.8
145°	1008.3	1008.5	1008.5	1008.5	1008.5	1008.5	1008.8	1009.0	1009.1	1009.3	1009.7
147.5°	1040.8	1041.3	1041.0	1040.8	1040.6	1040.4	1040.6	1040.7	1040.9	1041.1	1041.3
150°	1061.6	1061.8	1061.7	1061.5	1061.3	1061.0	1061.0	1061.0	1061.0	1061.0	1061.1
152.5°	1079.4	1079.6	1079.2	1078.9	1078.5	1078.2	1078.5	1078.8	1079.1	1079.4	1079.5
155°	1103.7	1103.5	1103.0	1102.3	1101.7	1101.2	1101.9	1102.7	1103.5	1104.3	1104.4
157.5°	1124.4	1123.9	1123.3	1122.6	1122.0	1121.2	1122.3	1123.3	1124.4	1125.3	1125.3
160°	1135.2	1134.9	1134.7	1134.4	1134.3	1134.1	1135.2	1136.5	1137.6	1138.8	1138.8
162.5°	1146.0	1145.6	1145.3	1145.1	1145.0	1144.8	1145.9	1147.1	1148.3	1149.5	1149.4
165°	1159.5	1159.0	1159.0	1159.0	1159.0	1159.0	1160.6	1162.2	1163.8	1165.3	1165.2
167.5°	1170.7	1170.2	1170.0	1169.9	1169.8	1169.7	1171.4	1173.1	1174.9	1176.6	1176.5
170°	1176.5	1176.0	1176.2	1176.4	1176.6	1176.8	1178.4	1180.0	1181.5	1183.1	1182.9
172.5°	1180.8	1180.3	1180.4	1180.7	1180.9	1181.1	1182.7	1184.3	1185.8	1187.4	1187.1
175°	1185.4	1184.9	1185.1	1185.4	1185.5	1185.7	1187.5	1189.3	1191.1	1192.8	1192.5
177.5°	1187.8	1187.5	1187.8	1188.1	1188.4	1188.7	1190.0	1191.2	1192.5	1193.8	1193.5
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



TEST NUMBER: P332562-940

CATALOG NUMBER: SA4XXDIP-C575D1035U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	798.1	797.5	795.6	795.3	795.6	797.5	798.1	798.7	799.5	802.3	799.0
5°	737.3	735.6	734.5	738.3	734.5	735.6	737.3	739.3	742.8	743.2	746.6
7.5°	691.4	690.0	687.0	686.0	687.0	690.0	691.4	692.7	696.2	699.1	704.3
10°	662.0	660.6	657.8	657.1	657.8	660.6	662.0	665.5	668.9	672.7	676.2
12.5°	633.6	630.9	630.4	631.1	630.4	630.9	633.6	638.3	647.3	647.2	647.9
15°	596.0	594.7	590.8	591.9	590.8	594.7	596.0	600.6	604.8	609.9	615.1
17.5°	559.0	557.3	552.7	556.8	552.7	557.3	559.0	561.4	566.8	574.2	581.9
20°	535.7	532.9	530.5	530.1	530.5	532.9	535.7	538.1	544.0	550.3	556.2
22.5°	513.4	511.0	510.8	508.5	510.8	511.0	513.4	517.3	523.2	526.6	532.3
25°	485.7	483.3	482.6	480.9	482.6	483.3	485.7	488.5	492.3	495.1	501.3
27.5°	464.4	463.2	462.0	462.5	462.0	463.2	464.4	464.8	466.5	470.2	473.8
30°	451.4	451.0	450.3	450.3	450.3	451.0	451.4	450.3	452.1	453.8	456.6
32.5°	440.6	440.5	440.9	440.9	440.9	440.5	440.6	439.0	439.6	440.2	441.6
35°	425.3	426.4	427.1	426.1	427.1	426.4	425.3	424.0	422.9	420.5	421.2
37.5°	411.6	412.7	413.7	414.8	413.7	412.7	411.6	408.8	406.3	404.1	401.6
40°	401.1	403.5	404.2	405.9	404.2	403.5	401.1	398.0	395.2	392.7	389.9
42.5°	391.1	393.8	395.6	395.9	395.6	393.8	391.1	388.0	383.8	380.8	376.9
45°	375.8	378.5	380.9	380.9	380.9	378.5	375.8	370.5	366.0	361.5	357.7
47.5°	359.9	363.9	366.3	366.9	366.3	363.9	359.9	354.5	348.2	342.7	337.2
50°	349.0	353.9	356.3	358.0	356.3	353.9	349.0	343.1	336.5	329.6	323.0
52.5°	338.5	343.3	346.6	347.5	346.6	343.3	338.5	331.2	323.2	315.8	310.0
55°	320.2	327.2	331.0	332.3	331.0	327.2	320.2	312.3	304.6	295.2	287.0
57.5°	303.0	309.4	313.9	314.9	313.9	309.4	303.0	293.6	283.8	273.8	264.9
60°	289.7	296.7	302.2	303.3	302.2	296.7	289.7	280.4	269.9	260.2	249.1
62.5°	276.1	283.3	288.3	291.1	288.3	283.3	276.1	266.2	254.9	244.2	233.0
65°	252.6	259.8	264.7	265.7	264.7	259.8	252.6	242.9	231.0	219.6	210.3
67.5°	226.9	234.2	237.4	239.4	237.4	234.2	226.9	217.8	206.1	194.2	183.6
70°	208.8	214.7	218.2	220.0	218.2	214.7	208.8	199.1	189.4	177.3	165.9
72.5°	188.3	194.5	198.5	198.9	198.5	194.5	188.3	180.0	169.7	158.5	148.4
75°	156.9	162.4	164.4	164.4	164.4	162.4	156.9	148.8	140.5	131.5	121.5
77.5°	124.1	127.0	129.7	130.2	129.7	127.0	124.1	118.4	111.6	102.5	95.0
80°	103.1	104.8	106.8	106.8	106.8	104.8	103.1	97.8	91.2	83.6	77.8
82.5°	81.4	82.8	84.9	84.6	84.9	82.8	81.4	77.3	71.8	66.7	61.3
85°	49.2	52.4	52.1	51.4	52.1	52.4	49.2	49.9	44.8	41.3	36.5
87.5°	27.3	27.6	28.5	29.2	28.5	27.6	27.3	26.4	23.7	22.1	20.8
90°	25.5	25.9	26.3	26.7	26.3	25.9	25.5	25.1	24.3	23.2	21.9
92.5°	24.3	24.4	24.5	24.6	24.5	24.4	24.3	24.3	23.6	22.5	21.2
95°	25.2	25.4	25.6	25.8	25.6	25.4	25.2	25.1	24.3	23.2	21.9
97.5°	24.3	24.5	24.7	25.0	24.7	24.5	24.3	24.2	24.0	23.9	23.7
100°	24.3	24.5	24.7	25.0	24.7	24.5	24.3	24.2	25.7	29.1	32.5
102.5°	25.5	25.6	25.6	25.7	25.6	25.6	25.5	25.5	43.6	79.9	116.2
105°	275.1	268.0	260.8	253.7	260.8	268.0	275.1	282.2	284.8	283.0	281.3
107.5°	351.3	352.0	352.8	353.6	352.8	352.0	351.3	350.5	349.7	348.9	348.0
110°	395.2	395.8	396.5	397.0	396.5	395.8	395.2	394.7	394.1	393.8	393.3



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	438.2	439.0	439.7	440.4	439.7	439.0	438.2	437.5	437.1	437.2	437.3
115°	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.6	503.3	502.8
117.5°	568.6	568.5	568.4	568.3	568.4	568.5	568.6	568.6	568.6	568.7	568.8
120°	610.0	609.7	609.3	608.9	609.3	609.7	610.0	610.5	610.5	610.0	609.7
122.5°	650.0	649.5	649.2	648.7	649.2	649.5	650.0	650.3	650.4	650.1	650.0
125°	708.0	708.2	708.4	708.6	708.4	708.2	708.0	707.8	707.4	706.8	706.2
127.5°	761.6	761.4	761.3	761.1	761.3	761.4	761.6	761.7	761.9	762.0	762.1
130°	796.7	796.7	796.7	796.7	796.7	796.7	796.7	796.7	796.6	796.4	796.2
132.5°	829.9	829.7	829.6	829.5	829.6	829.7	829.9	830.1	830.1	829.9	829.6
135°	877.4	877.8	878.2	878.6	878.2	877.8	877.4	877.0	876.6	876.2	875.8
137.5°	921.0	920.9	920.7	920.6	920.7	920.9	921.0	921.0	921.0	920.5	920.1
140°	949.2	949.4	949.6	949.9	949.6	949.4	949.2	949.0	948.6	948.1	947.4
142.5°	973.9	973.9	974.0	974.0	974.0	973.9	973.9	973.8	973.7	973.2	972.8
145°	1010.0	1010.4	1010.8	1011.2	1010.8	1010.4	1010.0	1009.7	1009.3	1009.1	1009.0
147.5°	1041.4	1041.6	1041.9	1042.1	1041.9	1041.6	1041.4	1041.3	1041.1	1040.9	1040.7
150°	1061.4	1061.6	1061.8	1061.9	1061.8	1061.6	1061.4	1061.1	1061.0	1061.0	1061.0
152.5°	1079.4	1079.3	1079.1	1079.1	1079.1	1079.3	1079.4	1079.5	1079.4	1079.1	1078.8
155°	1103.8	1103.2	1102.6	1102.1	1102.6	1103.2	1103.8	1104.4	1104.3	1103.5	1102.7
157.5°	1124.4	1123.3	1122.3	1121.2	1122.3	1123.3	1124.4	1125.3	1125.3	1124.4	1123.3
160°	1137.6	1136.5	1135.2	1134.1	1135.2	1136.5	1137.6	1138.8	1138.8	1137.6	1136.5
162.5°	1148.1	1146.7	1145.4	1144.1	1145.4	1146.7	1148.1	1149.4	1149.5	1148.3	1147.1
165°	1163.4	1161.6	1159.8	1158.1	1159.8	1161.6	1163.4	1165.2	1165.3	1163.8	1162.2
167.5°	1174.6	1172.6	1170.5	1168.6	1170.5	1172.6	1174.6	1176.5	1176.6	1174.9	1173.1
170°	1181.0	1179.0	1177.0	1175.0	1177.0	1179.0	1181.0	1182.9	1183.1	1181.5	1180.0
172.5°	1185.0	1182.9	1180.7	1178.6	1180.7	1182.9	1185.0	1187.1	1187.4	1185.8	1184.3
175°	1190.2	1187.8	1185.4	1183.0	1185.4	1187.8	1190.2	1192.5	1192.8	1191.1	1189.3
177.5°	1191.6	1189.7	1187.8	1185.9	1187.8	1189.7	1191.6	1193.5	1193.8	1192.5	1191.2
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	800.6	801.7	806.2	810.3	815.3	818.9	821.4	824.2	830.0	834.7	839.2
5°	750.1	751.8	760.9	767.1	777.8	787.2	794.5	802.5	811.9	824.7	836.5
7.5°	705.6	712.1	721.9	732.1	743.1	755.3	766.0	778.0	794.2	811.8	830.0
10°	680.4	687.7	698.0	709.9	720.2	734.5	747.7	761.9	780.2	801.8	823.3
12.5°	655.1	667.1	675.0	689.0	700.3	712.0	726.0	744.7	766.2	788.7	814.7
15°	623.5	630.1	645.3	653.0	668.9	687.0	700.8	719.6	740.4	770.3	799.3
17.5°	586.9	595.7	607.8	622.3	640.7	654.8	672.1	691.3	717.6	747.2	783.7
20°	563.1	570.4	585.3	601.3	620.7	635.6	654.0	672.7	699.8	731.4	769.5
22.5°	541.7	548.8	564.5	579.3	598.2	616.4	635.7	657.5	683.4	716.7	755.6
25°	508.6	518.0	531.9	547.2	565.2	586.0	606.8	626.2	654.0	689.0	730.7
27.5°	479.3	486.8	496.9	514.2	534.7	554.7	575.4	599.9	626.5	663.6	706.8
30°	460.4	467.3	477.4	493.4	512.5	534.0	555.4	579.1	606.8	643.5	687.7
32.5°	445.4	450.7	459.7	473.9	491.3	514.0	535.2	559.6	588.8	625.0	668.0
35°	423.3	427.8	431.2	444.8	460.4	481.3	502.7	528.8	556.9	591.2	634.2
37.5°	401.5	403.1	408.1	417.1	432.1	451.3	471.3	496.9	525.7	560.6	599.4
40°	388.3	389.0	392.1	400.4	413.6	431.6	451.0	476.4	503.7	536.7	575.2
42.5°	375.2	374.8	377.6	383.4	395.8	412.1	431.3	454.4	481.9	512.3	548.6
45°	354.5	354.5	353.9	358.7	368.8	384.8	400.7	422.9	445.9	475.6	506.2
47.5°	333.1	331.1	331.7	334.2	342.7	355.8	371.9	390.1	410.3	435.6	462.4
50°	319.2	316.4	315.4	318.2	325.7	337.2	352.5	368.5	387.5	409.7	432.7
52.5°	303.9	301.1	299.3	301.2	308.3	318.9	332.8	346.8	363.9	382.0	401.8
55°	280.4	277.2	276.2	276.9	282.0	290.4	302.2	315.0	327.9	342.8	356.7
57.5°	257.1	252.0	251.0	250.7	254.2	261.9	271.7	282.9	292.2	301.2	316.0
60°	241.8	235.6	233.5	233.2	235.9	242.2	251.2	262.3	268.9	275.1	287.9
62.5°	225.4	219.5	214.9	215.3	217.8	223.8	231.8	239.8	244.2	251.0	259.7
65°	200.2	192.5	189.0	188.1	189.4	194.3	200.5	205.7	210.6	213.4	221.7
67.5°	175.0	168.5	163.5	162.2	161.6	164.9	170.0	173.2	176.6	179.1	184.0
70°	157.2	151.6	145.3	143.3	142.9	145.7	150.6	151.0	155.8	156.9	162.0
72.5°	139.6	132.8	128.4	126.4	124.9	127.4	130.6	131.5	134.1	136.0	138.8
75°	112.4	107.2	103.1	100.0	98.9	100.2	100.2	102.0	103.7	104.8	107.9
77.5°	88.5	82.5	77.6	75.8	74.5	73.7	74.4	75.4	74.6	76.4	77.1
80°	71.8	65.5	61.8	61.1	58.9	57.2	56.9	58.0	56.5	57.2	59.3
82.5°	55.5	51.5	47.3	46.6	44.0	43.1	42.7	42.1	42.1	42.0	42.4
85°	33.0	30.5	27.7	26.0	25.0	23.3	23.3	22.6	21.8	21.1	21.5
87.5°	17.5	16.7	15.0	13.8	12.9	11.5	11.1	9.9	9.2	8.5	7.8
90°	20.8	19.6	18.0	16.4	14.8	13.3	11.4	9.2	7.0	4.8	2.7
92.5°	20.1	18.9	17.3	15.7	14.1	12.6	11.7	11.6	11.4	11.3	11.2
95°	20.8	19.6	19.4	19.2	19.0	18.8	22.0	28.8	35.5	42.3	49.0
97.5°	23.6	23.5	45.6	67.7	89.7	111.8	120.7	116.5	112.4	108.2	104.0
100°	35.8	39.1	66.4	93.8	121.1	148.4	160.2	156.7	153.1	149.5	146.0
102.5°	152.4	188.7	192.3	195.8	199.4	203.0	203.4	200.8	198.2	195.6	193.0
105°	279.6	277.8	276.8	275.7	274.7	273.8	272.7	271.5	270.3	269.1	268.0
107.5°	347.1	346.3	344.9	343.6	342.2	340.9	339.9	339.3	338.8	338.1	337.5
110°	393.0	392.5	391.4	390.2	389.0	387.8	386.9	386.3	385.8	385.1	384.6



TEST NUMBER: P332562-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	437.4	437.4	436.8	436.3	435.8	435.2	434.4	433.4	432.3	431.2	430.2
115°	502.5	502.0	502.2	502.5	502.7	502.8	502.7	502.0	501.5	500.9	500.2
117.5°	568.9	569.0	568.6	568.1	567.7	567.2	566.7	565.9	565.1	564.3	563.5
120°	609.3	608.9	609.0	609.3	609.5	609.7	609.4	608.6	607.8	607.0	606.2
122.5°	649.7	649.4	649.2	648.9	648.6	648.4	648.0	647.5	647.0	646.6	646.0
125°	705.6	705.0	705.4	705.8	706.2	706.6	706.4	705.6	704.8	704.0	703.2
127.5°	762.2	762.3	761.4	760.5	759.6	758.7	758.1	758.0	757.8	757.5	757.3
130°	796.0	795.9	795.2	794.6	794.1	793.4	793.0	792.8	792.6	792.5	792.3
132.5°	829.5	829.3	828.5	827.8	827.1	826.3	825.7	825.4	825.0	824.7	824.3
135°	875.4	875.0	874.2	873.4	872.6	871.8	871.6	871.7	872.0	872.2	872.4
137.5°	919.6	919.2	918.3	917.5	916.6	915.7	915.3	915.2	915.1	915.0	914.9
140°	946.8	946.3	945.8	945.5	945.0	944.7	944.2	943.9	943.5	943.1	942.7
142.5°	972.3	971.9	971.6	971.4	971.2	970.9	970.4	969.7	969.0	968.3	967.6
145°	1008.8	1008.5	1008.5	1008.5	1008.5	1008.5	1008.3	1007.6	1007.1	1006.5	1005.8
147.5°	1040.6	1040.4	1040.6	1040.8	1041.0	1041.3	1040.8	1039.6	1038.6	1037.4	1036.3
150°	1061.0	1061.0	1061.3	1061.5	1061.7	1061.8	1061.6	1060.8	1060.0	1059.2	1058.4
152.5°	1078.5	1078.2	1078.5	1078.9	1079.2	1079.6	1079.4	1078.8	1078.2	1077.5	1076.9
155°	1101.9	1101.2	1101.7	1102.3	1103.0	1103.5	1103.7	1103.5	1103.3	1103.1	1103.0
157.5°	1122.3	1121.2	1122.0	1122.6	1123.3	1123.9	1124.4	1124.4	1124.5	1124.7	1124.8
160°	1135.2	1134.1	1134.3	1134.4	1134.7	1134.9	1135.2	1135.9	1136.5	1137.0	1137.6
162.5°	1145.9	1144.8	1145.0	1145.1	1145.3	1145.6	1146.0	1146.7	1147.5	1148.3	1149.1
165°	1160.6	1159.0	1159.0	1159.0	1159.0	1159.0	1159.5	1160.5	1161.5	1162.4	1163.4
167.5°	1171.4	1169.7	1169.8	1169.9	1170.0	1170.2	1170.7	1171.8	1172.8	1173.8	1174.8
170°	1178.4	1176.8	1176.6	1176.4	1176.2	1176.0	1176.5	1177.7	1178.8	1180.1	1181.2
172.5°	1182.7	1181.1	1180.9	1180.7	1180.4	1180.3	1180.8	1182.0	1183.1	1184.4	1185.5
175°	1187.5	1185.7	1185.5	1185.4	1185.1	1184.9	1185.4	1186.6	1187.8	1189.0	1190.2
177.5°	1190.0	1188.7	1188.4	1188.1	1187.8	1187.5	1187.8	1189.0	1190.1	1191.1	1192.3
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



TEST NUMBER: P332562-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	843.1	845.9	849.4	855.6	857.8	860.6	864.4	864.2	865.3	869.4	878.3
5°	846.2	856.9	867.4	879.9	893.0	901.7	913.6	920.8	928.1	937.5	953.4
7.5°	847.5	864.5	883.6	905.5	925.1	947.5	965.1	981.6	996.5	1016.3	1035.3
10°	845.5	868.4	893.0	920.8	950.3	975.3	997.8	1023.5	1045.4	1069.3	1090.8
12.5°	841.9	869.5	902.5	933.5	968.0	1005.0	1033.0	1059.0	1088.1	1115.6	1148.8
15°	833.7	871.6	910.1	951.0	997.1	1039.8	1080.4	1114.0	1145.3	1186.6	1229.9
17.5°	823.3	864.1	912.7	962.2	1010.5	1059.3	1109.5	1160.0	1199.4	1250.7	1284.7
20°	813.6	860.8	910.7	969.7	1018.0	1078.7	1128.6	1177.5	1231.6	1282.6	1323.3
22.5°	800.0	851.6	904.6	963.3	1026.8	1087.5	1145.3	1198.4	1252.5	1308.0	1357.1
25°	782.7	829.6	892.3	958.9	1022.1	1088.1	1154.3	1220.9	1279.2	1337.8	1383.7
27.5°	753.3	812.4	870.9	939.7	1009.9	1084.4	1155.3	1225.0	1286.0	1334.3	1362.7
30°	738.3	789.6	853.2	922.2	998.2	1078.3	1152.2	1220.6	1277.5	1316.0	1327.4
32.5°	716.1	769.1	831.3	902.8	983.2	1065.5	1142.5	1206.9	1254.5	1274.6	1260.8
35°	683.1	731.0	793.8	867.0	950.7	1038.4	1114.4	1168.9	1193.2	1174.1	1126.5
37.5°	643.5	691.1	754.1	826.0	912.6	1001.7	1070.5	1109.6	1101.6	1054.2	983.3
40°	615.8	660.2	720.2	798.0	882.3	971.8	1032.2	1053.4	1031.2	963.1	887.9
42.5°	585.1	628.3	688.6	763.6	852.8	935.4	988.0	989.8	952.6	871.3	795.7
45°	538.1	579.4	636.3	714.3	796.9	874.7	909.4	892.3	823.7	745.2	669.2
47.5°	491.9	527.6	583.7	657.8	736.2	801.6	818.9	788.3	715.1	638.9	568.5
50°	458.0	494.1	546.8	617.6	693.2	749.8	758.0	717.5	645.7	569.0	513.8
52.5°	425.5	461.3	512.1	577.6	646.8	697.9	698.1	651.1	579.6	511.3	459.9
55°	377.8	410.1	455.9	514.5	576.3	616.2	606.5	557.9	495.8	436.5	391.7
57.5°	331.9	360.0	402.2	451.1	505.5	538.4	522.3	475.5	420.1	369.8	335.8
60°	302.2	328.9	365.0	411.2	456.9	482.6	467.3	425.0	374.0	333.4	303.9
62.5°	273.3	295.9	330.6	370.6	413.0	432.1	418.5	376.7	332.7	296.0	272.0
65°	232.5	250.8	278.6	313.0	343.8	360.2	348.7	309.8	276.2	249.8	230.7
67.5°	194.3	208.7	229.7	257.3	283.5	292.3	281.9	254.8	226.3	205.2	191.7
70°	167.9	181.5	199.1	220.3	243.2	252.6	242.2	220.7	197.4	178.0	164.8
72.5°	144.9	155.3	170.3	188.4	206.3	215.7	208.6	187.9	168.3	153.8	142.6
75°	110.3	119.3	129.7	142.6	156.5	162.7	156.5	142.2	128.7	118.0	109.9
77.5°	80.3	85.1	93.1	102.7	111.4	116.2	110.8	101.1	92.8	85.5	81.5
80°	61.1	64.6	70.1	77.8	83.6	88.1	84.6	76.7	70.1	65.2	63.5
82.5°	44.4	46.7	50.4	56.1	60.0	62.3	60.8	55.0	52.3	48.0	46.3
85°	21.8	23.3	25.7	27.4	30.9	31.2	31.6	29.2	26.8	25.7	24.3
87.5°	8.5	9.2	10.4	11.7	13.2	13.8	13.8	14.2	13.4	13.3	12.5
90°	4.8	7.0	9.2	11.4	13.3	14.8	16.4	18.0	19.6	20.8	21.9
92.5°	11.3	11.4	11.6	11.7	12.6	14.1	15.7	17.3	18.9	20.1	21.2
95°	42.3	35.5	28.8	22.0	18.8	19.0	19.2	19.4	19.6	20.8	21.9
97.5°	108.2	112.4	116.5	120.7	111.8	89.7	67.7	45.6	23.5	23.6	23.7
100°	149.5	153.1	156.7	160.2	148.4	121.1	93.8	66.4	39.1	35.8	32.5
102.5°	195.6	198.2	200.8	203.4	203.0	199.4	195.8	192.3	188.7	152.4	116.2
105°	269.1	270.3	271.5	272.7	273.8	274.7	275.7	276.8	277.8	279.6	281.3
107.5°	338.1	338.8	339.3	339.9	340.9	342.2	343.6	344.9	346.3	347.1	348.0
110°	385.1	385.8	386.3	386.9	387.8	389.0	390.2	391.4	392.5	393.0	393.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	431.2	432.3	433.4	434.4	435.2	435.8	436.3	436.8	437.4	437.4	437.3
115°	500.9	501.5	502.0	502.7	502.8	502.7	502.5	502.2	502.0	502.5	502.8
117.5°	564.3	565.1	565.9	566.7	567.2	567.7	568.1	568.6	569.0	568.9	568.8
120°	607.0	607.8	608.6	609.4	609.7	609.5	609.3	609.0	608.9	609.3	609.7
122.5°	646.6	647.0	647.5	648.0	648.4	648.6	648.9	649.2	649.4	649.7	650.0
125°	704.0	704.8	705.6	706.4	706.6	706.2	705.8	705.4	705.0	705.6	706.2
127.5°	757.5	757.8	758.0	758.1	758.7	759.6	760.5	761.4	762.3	762.2	762.1
130°	792.5	792.6	792.8	793.0	793.4	794.1	794.6	795.2	795.9	796.0	796.2
132.5°	824.7	825.0	825.4	825.7	826.3	827.1	827.8	828.5	829.3	829.5	829.6
135°	872.2	872.0	871.7	871.6	871.8	872.6	873.4	874.2	875.0	875.4	875.8
137.5°	915.0	915.1	915.2	915.3	915.7	916.6	917.5	918.3	919.2	919.6	920.1
140°	943.1	943.5	943.9	944.2	944.7	945.0	945.5	945.8	946.3	946.8	947.4
142.5°	968.3	969.0	969.7	970.4	970.9	971.2	971.4	971.6	971.9	972.3	972.8
145°	1006.5	1007.1	1007.6	1008.3	1008.5	1008.5	1008.5	1008.5	1008.5	1008.8	1009.0
147.5°	1037.4	1038.6	1039.6	1040.8	1041.3	1041.0	1040.8	1040.6	1040.4	1040.6	1040.7
150°	1059.2	1060.0	1060.8	1061.6	1061.8	1061.7	1061.5	1061.3	1061.0	1061.0	1061.0
152.5°	1077.5	1078.2	1078.8	1079.4	1079.6	1079.2	1078.9	1078.5	1078.2	1078.5	1078.8
155°	1103.1	1103.3	1103.5	1103.7	1103.5	1103.0	1102.3	1101.7	1101.2	1101.9	1102.7
157.5°	1124.7	1124.5	1124.4	1124.4	1123.9	1123.3	1122.6	1122.0	1121.2	1122.3	1123.3
160°	1137.0	1136.5	1135.9	1135.2	1134.9	1134.7	1134.4	1134.3	1134.1	1135.2	1136.5
162.5°	1148.3	1147.5	1146.7	1146.0	1145.6	1145.3	1145.1	1145.0	1144.8	1145.9	1147.1
165°	1162.4	1161.5	1160.5	1159.5	1159.0	1159.0	1159.0	1159.0	1159.0	1160.6	1162.2
167.5°	1173.8	1172.8	1171.8	1170.7	1170.2	1170.0	1169.9	1169.8	1169.7	1171.4	1173.1
170°	1180.1	1178.8	1177.7	1176.5	1176.0	1176.2	1176.4	1176.6	1176.8	1178.4	1180.0
172.5°	1184.4	1183.1	1182.0	1180.8	1180.3	1180.4	1180.7	1180.9	1181.1	1182.7	1184.3
175°	1189.0	1187.8	1186.6	1185.4	1184.9	1185.1	1185.4	1185.5	1185.7	1187.5	1189.3
177.5°	1191.1	1190.1	1189.0	1187.8	1187.5	1187.8	1188.1	1188.4	1188.7	1190.0	1191.2
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	882.8	883.3	885.8	887.8	888.3	891.1	891.4
5°	960.4	966.3	977.7	978.7	980.4	989.5	982.6
7.5°	1051.2	1066.2	1076.2	1085.0	1088.2	1092.2	1091.4
10°	1109.6	1131.8	1142.8	1160.6	1161.3	1165.7	1163.0
12.5°	1168.1	1193.9	1214.2	1217.5	1232.3	1234.6	1238.5
15°	1251.1	1278.5	1306.6	1316.7	1337.1	1342.0	1349.6
17.5°	1329.1	1357.1	1376.8	1402.8	1411.2	1422.5	1414.9
20°	1371.8	1402.4	1427.4	1447.8	1456.5	1462.8	1462.0
22.5°	1397.7	1428.4	1448.7	1464.2	1472.3	1475.0	1474.8
25°	1413.8	1431.6	1437.8	1443.7	1434.7	1431.6	1432.9
27.5°	1368.9	1364.2	1348.0	1326.6	1304.4	1286.7	1277.2
30°	1307.0	1279.9	1255.3	1212.3	1190.0	1176.9	1165.0
32.5°	1219.2	1176.3	1129.0	1089.6	1064.3	1044.7	1041.8
35°	1069.0	1004.4	946.5	898.2	873.3	852.1	847.2
37.5°	908.8	841.8	789.6	747.1	720.2	705.3	691.4
40°	802.5	744.9	693.6	657.5	637.0	626.2	617.6
42.5°	720.6	668.0	617.0	589.4	571.0	564.4	559.3
45°	607.5	558.6	523.2	502.4	491.6	480.5	475.3
47.5°	516.9	477.2	453.8	436.1	424.6	418.0	414.6
50°	465.6	433.0	412.1	398.7	388.3	383.0	380.2
52.5°	420.1	393.3	375.9	365.1	358.0	354.2	353.0
55°	361.9	341.4	330.3	320.9	315.8	312.3	310.9
57.5°	314.5	298.8	289.8	282.0	280.1	277.1	276.2
60°	283.5	271.3	263.7	258.5	256.7	253.2	254.0
62.5°	256.0	246.0	239.5	236.6	234.3	231.3	232.3
65°	216.5	209.2	205.7	203.0	200.2	198.5	199.8
67.5°	181.6	176.6	171.9	170.3	169.0	168.7	167.2
70°	158.9	154.7	150.6	149.5	149.5	148.1	147.8
72.5°	137.0	133.9	131.2	130.4	129.3	129.8	128.4
75°	105.8	103.3	102.4	101.3	100.9	100.9	100.0
77.5°	78.2	76.4	74.7	74.7	73.5	73.0	72.9
80°	59.3	58.7	57.2	57.2	56.5	56.9	56.2
82.5°	44.6	43.6	43.3	42.8	41.8	41.9	41.2
85°	23.9	22.9	22.6	21.5	20.8	21.5	20.8
87.5°	12.9	12.9	12.8	12.3	12.1	12.2	11.4
90°	23.2	24.3	25.1	25.5	25.9	26.3	26.7
92.5°	22.5	23.6	24.3	24.3	24.4	24.5	24.6
95°	23.2	24.3	25.1	25.2	25.4	25.6	25.8
97.5°	23.9	24.0	24.2	24.3	24.5	24.7	25.0
100°	29.1	25.7	24.2	24.3	24.5	24.7	25.0
102.5°	79.9	43.6	25.5	25.5	25.6	25.6	25.7
105°	283.0	284.8	282.2	275.1	268.0	260.8	253.7
107.5°	348.9	349.7	350.5	351.3	352.0	352.8	353.6
110°	393.8	394.1	394.7	395.2	395.8	396.5	397.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	437.2	437.1	437.5	438.2	439.0	439.7	440.4
115°	503.3	503.6	503.8	503.8	503.8	503.8	503.8
117.5°	568.7	568.6	568.6	568.6	568.5	568.4	568.3
120°	610.0	610.5	610.5	610.0	609.7	609.3	608.9
122.5°	650.1	650.4	650.3	650.0	649.5	649.2	648.7
125°	706.8	707.4	707.8	708.0	708.2	708.4	708.6
127.5°	762.0	761.9	761.7	761.6	761.4	761.3	761.1
130°	796.4	796.6	796.7	796.7	796.7	796.7	796.7
132.5°	829.9	830.1	830.1	829.9	829.7	829.6	829.5
135°	876.2	876.6	877.0	877.4	877.8	878.2	878.6
137.5°	920.5	921.0	921.0	921.0	920.9	920.7	920.6
140°	948.1	948.6	949.0	949.2	949.4	949.6	949.9
142.5°	973.2	973.7	973.8	973.9	973.9	974.0	974.0
145°	1009.1	1009.3	1009.7	1010.0	1010.4	1010.8	1011.2
147.5°	1040.9	1041.1	1041.3	1041.4	1041.6	1041.9	1042.1
150°	1061.0	1061.0	1061.1	1061.4	1061.6	1061.8	1061.9
152.5°	1079.1	1079.4	1079.5	1079.4	1079.3	1079.1	1079.1
155°	1103.5	1104.3	1104.4	1103.8	1103.2	1102.6	1102.1
157.5°	1124.4	1125.3	1125.3	1124.4	1123.3	1122.3	1121.2
160°	1137.6	1138.8	1138.8	1137.6	1136.5	1135.2	1134.1
162.5°	1148.3	1149.5	1149.4	1148.1	1146.7	1145.4	1144.1
165°	1163.8	1165.3	1165.2	1163.4	1161.6	1159.8	1158.1
167.5°	1174.9	1176.6	1176.5	1174.6	1172.6	1170.5	1168.6
170°	1181.5	1183.1	1182.9	1181.0	1179.0	1177.0	1175.0
172.5°	1185.8	1187.4	1187.1	1185.0	1182.9	1180.7	1178.6
175°	1191.1	1192.8	1192.5	1190.2	1187.8	1185.4	1183.0
177.5°	1192.5	1193.8	1193.5	1191.6	1189.7	1187.8	1185.9
180°	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2	1190.2

(END OF REPORT)