

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: P331537-927

Luminaire Tested: **S122DIW-S675D970U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331537-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D970U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5389.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

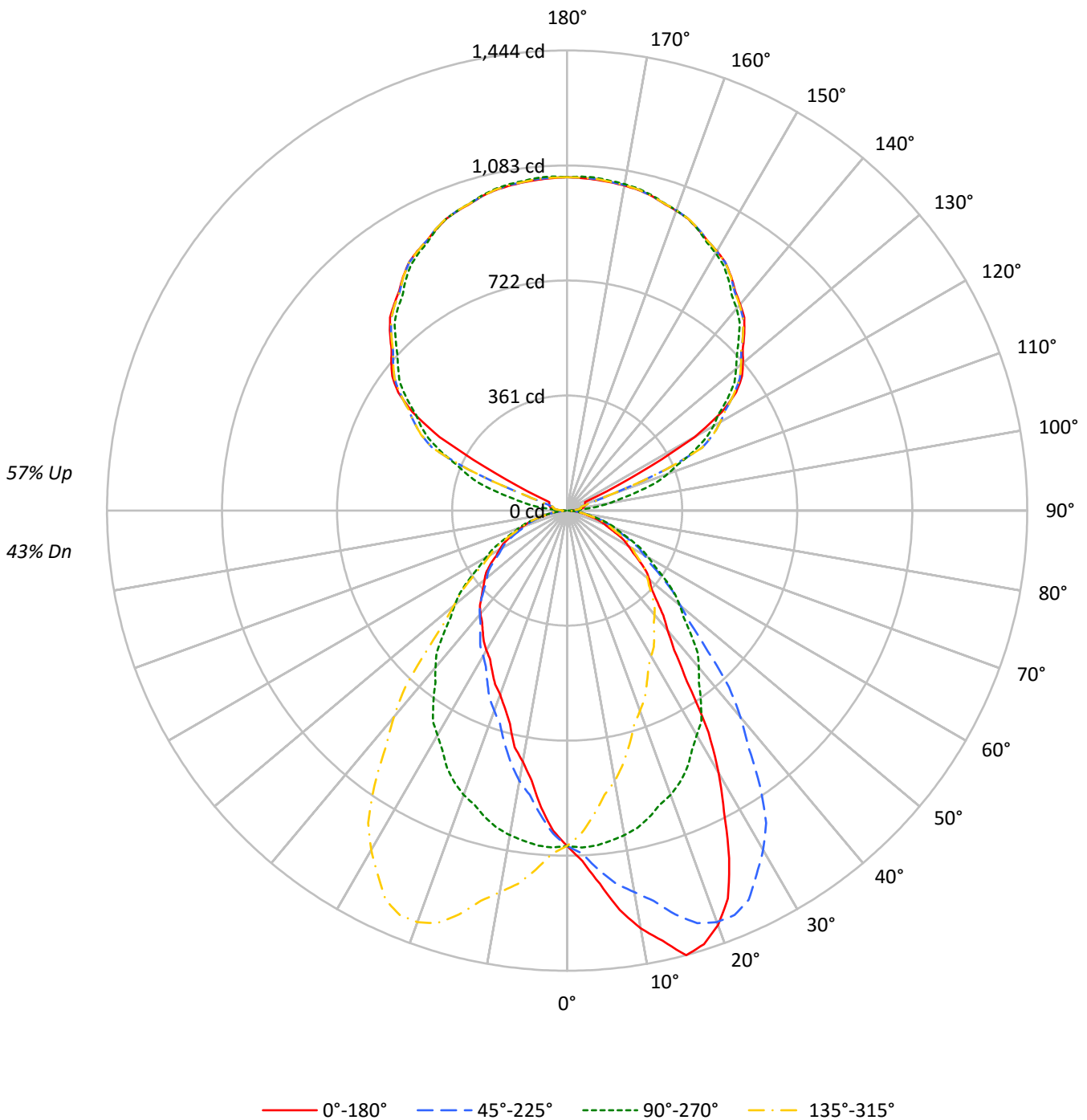
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	26	24	21
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	22	20	18	15
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16990	16990	16990	16990
5°	19047	17099	15152	17099
10°	21827	16959	13114	16959
15°	24145	16649	11587	16649
20°	23778	16314	10562	16314
25°	21440	15871	9912	15871
30°	17717	15163	9439	15163
35°	12912	14420	9102	14420
40°	10313	13544	8916	13544
45°	9012	12529	8661	12529
50°	8470	11549	8493	11549
55°	7809	10553	8265	10553
60°	7156	9494	7915	9494
65°	6518	8542	7568	8542
70°	5915	7619	7062	7619
75°	5246	6581	6257	6581
80°	4519	5449	5040	5449
85°	4057	4057	3001	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	1.9
10°-20°	291.3	5.4
20°-30°	422.8	7.8
30°-40°	446.2	8.3
40°-50°	395.0	7.3
50°-60°	315.3	5.8
60°-70°	214.3	4.0
70°-80°	109.9	2.0
80°-90°	29.1	0.5
90°-100°	34.9	0.6
100°-110°	128.0	2.4
110°-120°	342.1	6.3
120°-130°	564.7	10.5
130°-140°	600.5	11.1
140°-150°	558.1	10.4
150°-160°	448.7	8.3
160°-170°	289.2	5.4
170°-180°	99.5	1.8
0°-30°	814.3	15.1
0°-40°	1260.5	23.4
0°-60°	1970.8	36.6
0°-90°	2324.0	43.1
90°-120°	504.9	9.4
90°-150°	2228.2	41.3
90°-180°	3066.0	56.9
0°-180°	5389.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1052	1052	1052	1052	1052	
5°	1175	1055	935	1055	1175	117
15°	1444	996	693	996	1444	399
25°	1204	891	556	891	1204	544
35°	655	732	462	732	655	426
45°	395	549	379	549	395	310
55°	277	375	294	375	277	249
65°	171	224	198	224	171	170
75°	84	106	100	106	84	90
85°	22	22	16	22	22	24
90°	20	1	20	1	20	10
95°	33	49	33	49	33	30
105°	58	230	58	230	58	60
115°	62	435	62	435	62	155
125°	647	615	647	615	647	560
135°	786	762	786	762	786	606
145°	897	883	897	883	897	561
155°	973	973	973	973	973	449
165°	1023	1025	1023	1025	1023	289
175°	1042	1048	1042	1048	1042	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1100.7	1101.1	1101.8	1096.5	1095.9	1095.9	1091.4	1087.5	1083.0	1076.8	1077.4
5°	1175.2	1179.6	1181.2	1176.4	1169.1	1168.3	1161.4	1150.1	1139.6	1131.1	1125.1
7.5°	1264.0	1265.7	1261.8	1255.4	1250.0	1240.3	1227.5	1215.0	1197.4	1181.3	1169.3
10°	1331.3	1333.7	1326.8	1317.6	1309.9	1298.5	1279.9	1260.9	1237.9	1215.6	1197.8
12.5°	1382.4	1388.4	1379.6	1378.3	1365.2	1349.6	1327.5	1317.9	1285.4	1254.4	1235.3
15°	1444.5	1444.1	1444.9	1437.3	1427.5	1425.1	1401.6	1376.2	1330.5	1312.2	1280.7
17.5°	1426.6	1432.7	1435.5	1435.4	1435.2	1433.7	1426.2	1410.1	1387.2	1357.6	1321.2
20°	1383.9	1391.9	1393.1	1402.5	1407.7	1414.6	1417.4	1412.9	1398.8	1374.1	1342.6
22.5°	1317.9	1320.1	1323.9	1338.4	1349.8	1367.0	1376.0	1391.0	1385.5	1373.5	1347.1
25°	1203.5	1199.4	1213.6	1220.8	1247.1	1274.6	1294.5	1316.3	1335.7	1347.4	1339.7
27.5°	1066.1	1060.1	1081.2	1100.6	1122.0	1151.8	1182.6	1219.1	1249.4	1287.4	1300.4
30°	950.3	953.9	974.2	994.8	1027.1	1069.2	1104.0	1144.1	1187.3	1229.8	1259.3
32.5°	825.5	839.5	852.2	883.8	912.3	959.3	1010.2	1060.3	1114.2	1162.4	1208.2
35°	655.1	671.3	689.1	712.2	752.2	798.7	848.4	915.9	989.6	1055.5	1109.7
37.5°	551.4	548.8	559.0	575.7	608.2	645.6	702.9	769.7	856.3	933.7	1010.2
40°	489.3	487.7	495.0	510.3	535.0	562.5	612.7	671.3	751.8	846.4	937.4
42.5°	446.6	447.6	451.6	462.5	479.3	502.0	539.6	589.5	663.1	752.3	850.0
45°	394.7	397.5	402.0	407.3	416.9	435.5	456.5	492.2	550.4	624.8	721.0
47.5°	357.4	357.4	361.9	366.5	372.3	382.8	400.0	422.2	463.3	523.9	606.7
50°	337.2	334.5	337.7	341.3	347.4	354.7	366.0	387.0	414.5	463.4	532.6
52.5°	312.7	312.8	315.7	317.0	322.5	329.7	340.1	354.7	379.5	417.8	474.7
55°	277.4	279.4	281.1	283.4	288.4	293.6	301.7	311.4	330.8	359.5	401.6
57.5°	244.2	244.9	246.5	251.1	254.2	259.0	266.7	275.5	288.2	309.4	341.0
60°	221.6	221.6	224.8	226.9	230.9	235.8	241.9	250.3	261.7	279.0	304.5
62.5°	200.9	200.6	201.8	205.2	208.3	212.8	218.9	226.1	236.7	252.2	273.1
65°	170.6	169.8	172.3	173.1	176.3	180.8	185.6	193.3	201.8	213.1	231.7
67.5°	141.6	142.5	143.8	145.4	147.1	151.8	155.0	160.5	167.6	177.1	189.6
70°	125.3	125.3	125.3	126.6	129.0	131.4	134.7	139.1	146.0	154.1	165.4
72.5°	107.3	108.5	109.8	109.1	112.2	113.6	117.5	120.0	126.6	131.7	141.8
75°	84.1	84.1	84.1	86.1	87.4	88.6	91.0	93.4	96.6	103.1	108.4
77.5°	62.7	62.6	63.0	63.5	64.8	66.2	66.9	69.2	72.2	75.1	79.6
80°	48.6	49.4	49.7	50.5	50.5	51.3	51.7	54.6	56.6	58.6	61.5
82.5°	37.5	37.7	37.8	37.9	38.3	38.7	39.8	40.7	41.4	43.1	45.3
85°	21.9	21.5	21.5	22.3	21.9	21.9	22.7	23.4	23.4	23.8	25.0
87.5°	12.5	12.4	12.7	12.3	12.2	12.4	12.3	11.8	12.0	12.1	12.1
90°	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8	16.0	15.1	13.8
92.5°	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5	18.0	17.6	16.9
95°	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2	30.3	29.5	28.4
97.5°	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9	40.2	39.5	36.8
100°	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9	44.5	43.2	40.3
102.5°	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8	46.1	44.4	68.3
105°	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9	48.0	46.2	92.1
107.5°	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8	62.7	64.6	119.7
110°	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8	115.7	132.5	181.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4	272.7	334.1	346.1
115°	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2	389.1	467.1	462.9
117.5°	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6	498.4	517.3	514.4
120°	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9	556.9	554.8	551.8
122.5°	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0	591.8	590.6	587.2
125°	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0	640.8	639.6	636.4
127.5°	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3	685.6	683.8	681.4
130°	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0	714.2	712.3	710.4
132.5°	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9	742.4	740.8	738.9
135°	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8	782.1	780.5	778.9
137.5°	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8	819.2	817.5	815.8
140°	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8	843.3	841.8	839.9
142.5°	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9	865.5	864.1	862.1
145°	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9	896.7	895.5	892.6
147.5°	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8	923.9	923.1	920.2
150°	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4	940.4	939.4	936.7
152.5°	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6	955.5	954.5	952.0
155°	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0	976.0	974.9	973.0
157.5°	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2	993.1	991.9	990.5
160°	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2	1003.2	1002.2	1001.2
162.5°	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6	1012.4	1011.3	1010.4
165°	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6	1022.2
167.5°	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5	1033.3	1032.2	1031.7
170°	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4	1038.2	1037.0	1036.7
172.5°	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0	1041.9	1040.7	1040.3
175°	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9	1045.8	1044.6	1044.3
177.5°	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4	1046.5	1045.5	1045.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1079.7	1077.1	1075.5	1069.7	1064.5	1059.4	1057.7	1058.4	1051.3	1044.5	1041.6
5°	1121.8	1113.7	1106.0	1095.1	1082.2	1068.0	1060.7	1055.0	1040.9	1025.6	1016.7
7.5°	1159.5	1148.0	1133.1	1112.5	1093.8	1071.5	1057.3	1044.8	1024.1	1002.4	989.1
10°	1182.5	1166.6	1147.6	1122.6	1099.5	1072.5	1053.4	1034.4	1010.2	984.3	968.1
12.5°	1202.2	1180.9	1162.2	1130.0	1102.8	1068.9	1046.3	1019.5	994.0	963.3	947.5
15°	1249.2	1210.0	1174.3	1138.0	1104.4	1057.1	1032.1	996.0	962.4	924.5	906.3
17.5°	1285.5	1241.4	1185.3	1139.1	1099.9	1047.6	1010.7	967.7	928.0	884.5	859.8
20°	1306.2	1255.6	1195.4	1140.4	1093.4	1033.6	993.6	949.5	903.0	854.1	827.4
22.5°	1318.5	1265.4	1205.8	1135.5	1080.5	1022.3	971.9	923.6	876.5	823.7	795.7
25°	1322.4	1273.8	1210.8	1131.5	1064.4	998.5	937.8	890.9	833.9	784.5	743.7
27.5°	1303.1	1268.4	1207.7	1123.9	1045.7	968.6	901.0	847.9	787.7	734.1	693.1
30°	1279.5	1259.3	1200.2	1116.1	1030.8	947.9	873.5	813.3	753.4	699.2	657.1
32.5°	1242.9	1238.6	1186.7	1105.1	1014.9	921.7	844.7	783.8	717.5	664.2	624.2
35°	1171.2	1190.6	1157.8	1080.5	985.1	884.4	801.1	731.6	662.8	611.9	574.3
37.5°	1074.9	1123.1	1114.5	1044.6	944.8	843.8	751.9	679.1	613.6	562.2	525.3
40°	1008.5	1070.0	1079.0	1017.1	916.4	812.5	714.9	642.6	578.7	531.8	494.6
42.5°	937.4	1009.2	1033.6	984.0	885.3	779.4	682.0	607.0	543.8	498.1	465.2
45°	818.1	913.1	957.2	928.9	833.5	725.1	624.8	548.7	491.3	448.5	423.0
47.5°	706.5	810.4	869.7	859.7	775.8	668.4	569.3	496.4	440.5	406.2	383.4
50°	627.6	734.4	806.0	809.2	734.4	628.0	528.5	459.8	408.4	376.5	357.9
52.5°	559.0	660.9	739.0	756.1	688.1	586.0	492.0	423.6	378.3	349.0	332.3
55°	469.5	555.6	642.1	673.8	619.1	522.0	435.1	374.9	332.4	312.2	297.6
57.5°	390.3	462.2	542.1	576.9	543.3	460.2	378.7	326.4	291.9	274.2	263.0
60°	348.6	405.2	476.3	518.0	488.9	414.9	343.7	294.0	265.7	249.9	239.4
62.5°	309.7	359.9	420.1	458.2	442.4	372.6	308.8	264.9	240.4	225.6	218.1
65°	255.6	295.2	341.7	376.9	366.4	313.4	261.3	223.6	204.2	192.5	186.4
67.5°	210.5	239.1	271.3	302.1	293.7	256.1	214.3	185.0	170.5	160.4	156.8
70°	182.0	203.8	232.5	257.2	250.3	219.6	186.4	161.4	148.9	140.3	136.7
72.5°	154.8	172.8	194.6	214.8	210.2	184.7	157.0	138.1	128.4	120.6	117.6
75°	116.8	130.6	143.9	157.3	156.1	136.3	120.1	105.5	97.8	91.8	90.5
77.5°	86.3	94.0	103.1	111.0	108.8	97.4	84.8	76.4	70.7	66.7	66.1
80°	65.9	70.3	76.8	82.5	79.7	74.8	64.7	58.6	54.6	50.5	49.0
82.5°	47.8	52.3	56.2	59.2	57.0	52.5	46.3	42.1	39.7	37.0	36.3
85°	25.0	27.5	29.2	29.9	29.2	26.3	23.4	21.9	19.8	18.6	18.2
87.5°	12.2	12.0	11.6	12.0	10.6	10.3	8.6	7.3	7.3	7.4	7.1
90°	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8	2.6	4.4	6.3
92.5°	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3	15.1	15.0	14.8
95°	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2	43.6	38.1	32.6
97.5°	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7	82.0	66.4	50.7
100°	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0	110.9	87.9	64.9
102.5°	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0	169.1	164.2	159.3
105°	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1	235.2	240.2	245.3
107.5°	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1	298.3	302.3	306.3
110°	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3	338.9	342.4	345.9



TEST NUMBER: P331537-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1	377.2	380.3	383.5
115°	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2	438.1	441.0	443.9
117.5°	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9	493.1	496.3	499.5
120°	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9	532.4	534.9	537.4
122.5°	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8	566.4	569.1	571.7
125°	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4	617.6	619.8	621.9
127.5°	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2	664.6	667.0	669.5
130°	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9	694.6	697.3	699.9
132.5°	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2	724.5	726.7	729.0
135°	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5	764.2	766.9	769.6
137.5°	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3	803.2	805.1	807.0
140°	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4	828.7	830.0	831.4
142.5°	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1	850.3	851.6	852.8
145°	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4	883.2	883.0	882.9
147.5°	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2	912.5	911.9	911.2
150°	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6	931.4	930.2	929.1
152.5°	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0	947.6	946.3	945.0
155°	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7	971.1	969.6	968.1
157.5°	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3	990.1	988.7	987.5
160°	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1001.2	1000.2	999.2
162.5°	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9	1010.9	1009.9	1008.8
165°	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9	1023.9	1022.9	1021.9
167.5°	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6	1033.6	1032.6	1031.6
170°	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1	1039.0	1038.1	1037.0
172.5°	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7	1042.7	1041.6	1040.7
175°	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4	1047.2	1046.0	1044.9
177.5°	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2	1048.2	1047.3	1046.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331537-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1038.3	1036.4	1029.6	1026.0	1020.2	1014.7	1011.1	1012.8	1014.1	1013.4	1012.4
5°	1008.5	1000.8	989.1	979.1	971.8	958.4	952.8	949.9	947.5	944.7	941.8
7.5°	973.1	961.0	944.2	929.8	916.2	899.6	890.2	884.5	878.7	872.3	866.6
10°	947.9	930.9	913.1	892.9	876.7	861.7	848.4	839.6	831.5	823.8	818.1
12.5°	921.4	901.8	879.8	852.2	834.3	812.9	810.9	795.2	782.6	777.8	771.2
15°	879.2	851.7	823.8	791.0	776.8	757.4	745.3	733.2	722.2	714.5	712.6
17.5°	831.2	795.6	767.9	744.3	721.1	701.2	690.1	680.3	671.4	661.1	659.7
20°	794.6	763.9	733.6	713.0	689.1	668.8	655.1	645.4	637.7	631.7	626.4
22.5°	760.0	726.4	698.6	676.0	652.5	636.2	625.3	616.0	609.6	602.9	597.9
25°	704.5	678.2	647.8	622.3	602.9	592.5	583.5	575.4	571.4	567.0	561.3
27.5°	655.8	626.6	598.3	578.5	561.5	552.2	545.8	540.3	536.5	533.9	530.8
30°	621.5	592.0	569.8	550.4	536.2	527.0	522.9	519.7	515.2	513.6	512.0
32.5°	588.6	562.0	543.0	526.1	512.6	506.5	502.8	499.9	496.5	494.8	491.5
35°	541.9	519.7	501.1	491.7	480.9	475.5	472.8	468.7	465.5	463.8	463.4
37.5°	498.0	478.6	466.4	454.5	449.9	446.6	442.8	440.0	439.0	438.8	438.4
40°	469.5	453.8	442.8	433.1	431.1	426.2	423.0	420.6	420.6	421.0	420.6
42.5°	443.6	429.4	419.9	411.5	409.1	406.2	402.9	402.7	403.5	404.8	403.5
45°	404.4	394.3	387.4	383.3	378.9	376.0	375.7	376.9	377.3	377.7	378.9
47.5°	368.3	361.6	355.4	350.9	349.0	348.5	348.0	350.1	352.0	352.8	354.7
50°	347.0	339.3	334.1	331.2	329.5	328.8	329.5	332.0	333.6	335.6	336.8
52.5°	323.1	317.6	313.9	311.8	311.2	311.6	311.8	314.6	317.1	317.8	318.5
55°	289.9	285.9	285.1	281.5	283.0	282.7	284.7	286.3	288.8	291.1	291.6
57.5°	257.0	253.7	251.5	251.8	252.3	254.1	255.8	258.6	261.3	263.8	264.0
60°	235.0	233.3	232.1	232.1	232.9	235.4	237.4	240.2	241.9	243.4	244.6
62.5°	214.9	213.3	212.1	212.7	214.8	216.3	218.6	220.1	221.7	223.4	223.9
65°	183.2	182.4	183.6	184.4	184.8	186.8	189.6	190.8	192.5	193.3	196.1
67.5°	154.0	154.2	154.0	155.1	157.5	158.0	160.7	163.4	163.7	165.3	167.2
70°	134.3	135.1	135.9	136.7	138.7	139.5	141.6	142.8	144.3	145.6	146.8
72.5°	116.1	116.3	117.1	116.9	118.7	120.4	122.2	123.3	124.9	126.5	127.7
75°	89.4	89.4	90.2	90.5	92.6	94.7	94.2	95.1	96.6	98.2	99.1
77.5°	65.3	64.4	65.3	65.7	66.3	68.0	68.4	69.5	71.3	70.7	71.7
80°	49.7	48.6	49.7	50.1	50.1	52.2	52.2	53.0	54.2	53.0	54.2
82.5°	35.5	34.9	35.8	35.9	36.5	36.6	37.3	37.5	38.7	38.1	38.7
85°	17.8	17.4	17.8	17.4	17.8	18.2	18.2	17.8	17.8	18.6	17.4
87.5°	7.1	7.1	7.1	7.4	7.3	7.2	7.1	7.2	7.4	7.0	7.1
90°	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8	17.7	18.5	19.1
92.5°	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5	18.9	19.3	19.6
95°	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2	32.1	32.9	33.2
97.5°	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9	41.5	42.2	42.6
100°	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9	47.2	48.6	49.4
102.5°	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8	49.6	51.3	52.4
105°	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9	51.7	53.6	54.8
107.5°	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8	59.0	57.1	56.5
110°	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8	82.0	65.2	57.1



TEST NUMBER: P331537-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4	150.0	88.6	58.2
115°	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2	233.4	155.5	110.5
117.5°	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6	460.8	442.0	412.6
120°	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9	560.9	562.9	552.5
122.5°	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0	594.2	595.4	593.8
125°	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0	643.2	644.4	645.2
127.5°	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3	689.0	690.7	691.6
130°	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0	717.9	719.7	720.6
132.5°	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9	745.5	747.1	747.8
135°	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8	785.4	787.1	787.8
137.5°	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8	822.4	824.1	824.7
140°	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8	846.3	847.8	848.1
142.5°	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9	868.3	869.7	869.9
145°	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9	899.0	900.2	900.4
147.5°	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8	925.7	926.5	926.6
150°	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4	942.4	943.4	943.5
152.5°	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6	957.5	958.5	958.5
155°	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0	977.9	979.0	978.8
157.5°	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2	995.4	996.5	996.4
160°	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2	1005.2	1006.2	1006.2
162.5°	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6	1014.7	1015.9	1015.7
165°	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4
167.5°	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5	1035.7	1036.9	1036.7
170°	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4	1040.5	1041.7	1041.6
172.5°	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0	1044.2	1045.4	1045.2
175°	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9	1048.1	1049.3	1049.1
177.5°	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4	1048.3	1049.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331537-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1009.2	1008.5	1008.5	1005.7	1008.5	1008.5	1009.2	1012.4	1013.4	1014.1	1012.8
5°	936.2	934.9	933.0	934.9	933.0	934.9	936.2	941.8	944.7	947.5	949.9
7.5°	864.0	859.1	858.4	853.6	858.4	859.1	864.0	866.6	872.3	878.7	884.5
10°	811.2	807.9	807.6	799.9	807.6	807.9	811.2	818.1	823.8	831.5	839.6
12.5°	771.1	763.3	764.9	760.4	764.9	763.3	771.1	771.2	777.8	782.6	795.2
15°	701.6	701.6	700.0	693.2	700.0	701.6	701.6	712.6	714.5	722.2	733.2
17.5°	651.7	650.9	647.1	649.0	647.1	650.9	651.7	659.7	661.1	671.4	680.3
20°	621.9	619.6	614.7	614.7	614.7	619.6	621.9	626.4	631.7	637.7	645.4
22.5°	593.8	593.7	588.5	590.1	588.5	593.7	593.8	597.9	602.9	609.6	616.0
25°	560.9	557.7	555.2	556.4	555.2	557.7	560.9	561.3	567.0	571.4	575.4
27.5°	529.7	527.9	527.8	524.4	527.8	527.9	529.7	530.8	533.9	536.5	540.3
30°	511.6	507.6	508.3	506.3	508.3	507.6	511.6	512.0	513.6	515.2	519.7
32.5°	490.8	489.4	488.6	486.9	488.6	489.4	490.8	491.5	494.8	496.5	499.9
35°	462.6	463.0	461.1	461.8	461.1	463.0	462.6	463.4	463.8	465.5	468.7
37.5°	438.0	439.3	438.3	438.6	438.3	439.3	438.0	438.4	438.8	439.0	440.0
40°	421.8	421.8	421.8	423.0	421.8	421.8	421.8	420.6	421.0	420.6	420.6
42.5°	406.2	405.6	405.0	404.9	405.0	405.6	406.2	403.5	404.8	403.5	402.7
45°	379.7	381.0	381.4	379.3	381.4	381.0	379.7	378.9	377.7	377.3	376.9
47.5°	355.7	355.8	355.7	357.5	355.7	355.8	355.7	354.7	352.8	352.0	350.1
50°	338.9	338.1	338.9	338.1	338.9	338.1	338.9	336.8	335.6	333.6	332.0
52.5°	321.1	321.2	320.8	320.6	320.8	321.2	321.1	318.5	317.8	317.1	314.6
55°	293.2	294.0	293.6	293.6	293.6	294.0	293.2	291.6	291.1	288.8	286.3
57.5°	264.4	265.1	265.6	263.8	265.6	265.1	264.4	264.0	263.8	261.3	258.6
60°	244.2	246.3	245.9	245.1	245.9	246.3	244.2	244.6	243.4	241.9	240.2
62.5°	225.9	226.6	226.5	226.3	226.5	226.6	225.9	223.9	223.4	221.7	220.1
65°	197.3	198.1	196.9	198.1	196.9	198.1	197.3	196.1	193.3	192.5	190.8
67.5°	166.7	166.9	167.9	168.4	167.9	166.9	166.7	167.2	165.3	163.7	163.4
70°	147.6	147.2	148.4	149.6	148.4	147.2	147.6	146.8	145.6	144.3	142.8
72.5°	127.5	128.4	128.0	128.9	128.0	128.4	127.5	127.7	126.5	124.9	123.3
75°	98.2	99.5	99.1	100.3	99.1	99.5	98.2	99.1	98.2	96.6	95.1
77.5°	71.0	71.1	71.0	71.7	71.0	71.1	71.0	71.7	70.7	71.3	69.5
80°	54.2	53.4	52.6	54.2	52.6	53.4	54.2	54.2	53.0	54.2	53.0
82.5°	37.7	38.2	37.4	37.4	37.4	38.2	37.7	38.7	38.1	38.7	37.5
85°	17.4	17.0	16.2	16.2	16.2	17.0	17.4	17.4	18.6	17.8	17.8
87.5°	7.1	6.9	7.0	6.7	7.0	6.9	7.1	7.1	7.0	7.4	7.2
90°	19.4	19.7	20.1	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8
92.5°	19.8	20.0	20.2	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5
95°	33.0	32.9	32.7	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2
97.5°	42.9	43.0	43.3	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9
100°	49.7	50.1	50.4	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9
102.5°	52.9	53.4	53.9	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8
105°	55.5	56.2	56.9	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9
107.5°	57.2	57.8	58.5	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8
110°	57.8	58.5	59.1	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8



TEST NUMBER: P331537-927

CATALOG NUMBER: S122DIW-S675D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	58.8	59.3	59.9	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4
115°	98.4	86.3	74.1	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2
117.5°	372.8	333.0	293.3	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6
120°	529.9	507.2	484.4	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9
122.5°	589.4	585.0	580.6	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0
125°	645.7	646.2	646.7	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0
127.5°	691.7	691.8	691.9	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3
130°	720.3	720.2	720.0	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0
132.5°	747.6	747.4	747.3	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9
135°	787.5	787.1	786.8	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8
137.5°	824.1	823.5	822.9	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8
140°	847.3	846.4	845.6	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8
142.5°	869.1	868.2	867.4	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9
145°	899.5	898.7	897.9	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9
147.5°	925.9	925.2	924.5	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8
150°	942.7	941.8	941.0	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4
152.5°	957.4	956.3	955.2	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6
155°	977.5	976.1	974.8	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0
157.5°	995.1	993.8	992.4	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2
160°	1005.0	1003.8	1002.7	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2
162.5°	1014.2	1012.8	1011.4	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6
165°	1026.2	1025.0	1023.8	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0
167.5°	1035.2	1033.7	1032.2	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5
170°	1040.1	1038.6	1037.0	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4
172.5°	1043.7	1042.2	1040.7	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0
175°	1047.3	1045.7	1044.0	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9
177.5°	1047.9	1046.7	1045.5	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331537-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1011.1	1014.7	1020.2	1026.0	1029.6	1036.4	1038.3	1041.6	1044.5	1051.3	1058.4
5°	952.8	958.4	971.8	979.1	989.1	1000.8	1008.5	1016.7	1025.6	1040.9	1055.0
7.5°	890.2	899.6	916.2	929.8	944.2	961.0	973.1	989.1	1002.4	1024.1	1044.8
10°	848.4	861.7	876.7	892.9	913.1	930.9	947.9	968.1	984.3	1010.2	1034.4
12.5°	810.9	812.9	834.3	852.2	879.8	901.8	921.4	947.5	963.3	994.0	1019.5
15°	745.3	757.4	776.8	791.0	823.8	851.7	879.2	906.3	924.5	962.4	996.0
17.5°	690.1	701.2	721.1	744.3	767.9	795.6	831.2	859.8	884.5	928.0	967.7
20°	655.1	668.8	689.1	713.0	733.6	763.9	794.6	827.4	854.1	903.0	949.5
22.5°	625.3	636.2	652.5	676.0	698.6	726.4	760.0	795.7	823.7	876.5	923.6
25°	583.5	592.5	602.9	622.3	647.8	678.2	704.5	743.7	784.5	833.9	890.9
27.5°	545.8	552.2	561.5	578.5	598.3	626.6	655.8	693.1	734.1	787.7	847.9
30°	522.9	527.0	536.2	550.4	569.8	592.0	621.5	657.1	699.2	753.4	813.3
32.5°	502.8	506.5	512.6	526.1	543.0	562.0	588.6	624.2	664.2	717.5	783.8
35°	472.8	475.5	480.9	491.7	501.1	519.7	541.9	574.3	611.9	662.8	731.6
37.5°	442.8	446.6	449.9	454.5	466.4	478.6	498.0	525.3	562.2	613.6	679.1
40°	423.0	426.2	431.1	433.1	442.8	453.8	469.5	494.6	531.8	578.7	642.6
42.5°	402.9	406.2	409.1	411.5	419.9	429.4	443.6	465.2	498.1	543.8	607.0
45°	375.7	376.0	378.9	383.3	387.4	394.3	404.4	423.0	448.5	491.3	548.7
47.5°	348.0	348.5	349.0	350.9	355.4	361.6	368.3	383.4	406.2	440.5	496.4
50°	329.5	328.8	329.5	331.2	334.1	339.3	347.0	357.9	376.5	408.4	459.8
52.5°	311.8	311.6	311.2	311.8	313.9	317.6	323.1	332.3	349.0	378.3	423.6
55°	284.7	282.7	283.0	281.5	285.1	285.9	289.9	297.6	312.2	332.4	374.9
57.5°	255.8	254.1	252.3	251.8	251.5	253.7	257.0	263.0	274.2	291.9	326.4
60°	237.4	235.4	232.9	232.1	232.1	233.3	235.0	239.4	249.9	265.7	294.0
62.5°	218.6	216.3	214.8	212.7	212.1	213.3	214.9	218.1	225.6	240.4	264.9
65°	189.6	186.8	184.8	184.4	183.6	182.4	183.2	186.4	192.5	204.2	223.6
67.5°	160.7	158.0	157.5	155.1	154.0	154.2	154.0	156.8	160.4	170.5	185.0
70°	141.6	139.5	138.7	136.7	135.9	135.1	134.3	136.7	140.3	148.9	161.4
72.5°	122.2	120.4	118.7	116.9	117.1	116.3	116.1	117.6	120.6	128.4	138.1
75°	94.2	94.7	92.6	90.5	90.2	89.4	89.4	90.5	91.8	97.8	105.5
77.5°	68.4	68.0	66.3	65.7	65.3	64.4	65.3	66.1	66.7	70.7	76.4
80°	52.2	52.2	50.1	50.1	49.7	48.6	49.7	49.0	50.5	54.6	58.6
82.5°	37.3	36.6	36.5	35.9	35.8	34.9	35.5	36.3	37.0	39.7	42.1
85°	18.2	18.2	17.8	17.4	17.8	17.4	17.8	18.2	18.6	19.8	21.9
87.5°	7.1	7.2	7.3	7.4	7.1	7.1	7.1	7.1	7.4	7.3	7.3
90°	16.0	15.1	13.8	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8
92.5°	18.0	17.6	16.9	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3
95°	30.3	29.5	28.4	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2
97.5°	40.2	39.5	36.8	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7
100°	44.5	43.2	40.3	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0
102.5°	46.1	44.4	68.3	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0
105°	48.0	46.2	92.1	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1
107.5°	62.7	64.6	119.7	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1
110°	115.7	132.5	181.1	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3



TEST NUMBER: P331537-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.7	334.1	346.1	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1
115°	389.1	467.1	462.9	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2
117.5°	498.4	517.3	514.4	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9
120°	556.9	554.8	551.8	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9
122.5°	591.8	590.6	587.2	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8
125°	640.8	639.6	636.4	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4
127.5°	685.6	683.8	681.4	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2
130°	714.2	712.3	710.4	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9
132.5°	742.4	740.8	738.9	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2
135°	782.1	780.5	778.9	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5
137.5°	819.2	817.5	815.8	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3
140°	843.3	841.8	839.9	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4
142.5°	865.5	864.1	862.1	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1
145°	896.7	895.5	892.6	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4
147.5°	923.9	923.1	920.2	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2
150°	940.4	939.4	936.7	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6
152.5°	955.5	954.5	952.0	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0
155°	976.0	974.9	973.0	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7
157.5°	993.1	991.9	990.5	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3
160°	1003.2	1002.2	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2
162.5°	1012.4	1011.3	1010.4	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9
165°	1023.8	1022.6	1022.2	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9
167.5°	1033.3	1032.2	1031.7	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6
170°	1038.2	1037.0	1036.7	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1
172.5°	1041.9	1040.7	1040.3	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7
175°	1045.8	1044.6	1044.3	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4
177.5°	1046.5	1045.5	1045.4	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1057.7	1059.4	1064.5	1069.7	1075.5	1077.1	1079.7	1077.4	1076.8	1083.0	1087.5
5°	1060.7	1068.0	1082.2	1095.1	1106.0	1113.7	1121.8	1125.1	1131.1	1139.6	1150.1
7.5°	1057.3	1071.5	1093.8	1112.5	1133.1	1148.0	1159.5	1169.3	1181.3	1197.4	1215.0
10°	1053.4	1072.5	1099.5	1122.6	1147.6	1166.6	1182.5	1197.8	1215.6	1237.9	1260.9
12.5°	1046.3	1068.9	1102.8	1130.0	1162.2	1180.9	1202.2	1235.3	1254.4	1285.4	1317.9
15°	1032.1	1057.1	1104.4	1138.0	1174.3	1210.0	1249.2	1280.7	1312.2	1330.5	1376.2
17.5°	1010.7	1047.6	1099.9	1139.1	1185.3	1241.4	1285.5	1321.2	1357.6	1387.2	1410.1
20°	993.6	1033.6	1093.4	1140.4	1195.4	1255.6	1306.2	1342.6	1374.1	1398.8	1412.9
22.5°	971.9	1022.3	1080.5	1135.5	1205.8	1265.4	1318.5	1347.1	1373.5	1385.5	1391.0
25°	937.8	998.5	1064.4	1131.5	1210.8	1273.8	1322.4	1339.7	1347.4	1335.7	1316.3
27.5°	901.0	968.6	1045.7	1123.9	1207.7	1268.4	1303.1	1300.4	1287.4	1249.4	1219.1
30°	873.5	947.9	1030.8	1116.1	1200.2	1259.3	1279.5	1259.3	1229.8	1187.3	1144.1
32.5°	844.7	921.7	1014.9	1105.1	1186.7	1238.6	1242.9	1208.2	1162.4	1114.2	1060.3
35°	801.1	884.4	985.1	1080.5	1157.8	1190.6	1171.2	1109.7	1055.5	989.6	915.9
37.5°	751.9	843.8	944.8	1044.6	1114.5	1123.1	1074.9	1010.2	933.7	856.3	769.7
40°	714.9	812.5	916.4	1017.1	1079.0	1070.0	1008.5	937.4	846.4	751.8	671.3
42.5°	682.0	779.4	885.3	984.0	1033.6	1009.2	937.4	850.0	752.3	663.1	589.5
45°	624.8	725.1	833.5	928.9	957.2	913.1	818.1	721.0	624.8	550.4	492.2
47.5°	569.3	668.4	775.8	859.7	869.7	810.4	706.5	606.7	523.9	463.3	422.2
50°	528.5	628.0	734.4	809.2	806.0	734.4	627.6	532.6	463.4	414.5	387.0
52.5°	492.0	586.0	688.1	756.1	739.0	660.9	559.0	474.7	417.8	379.5	354.7
55°	435.1	522.0	619.1	673.8	642.1	555.6	469.5	401.6	359.5	330.8	311.4
57.5°	378.7	460.2	543.3	576.9	542.1	462.2	390.3	341.0	309.4	288.2	275.5
60°	343.7	414.9	488.9	518.0	476.3	405.2	348.6	304.5	279.0	261.7	250.3
62.5°	308.8	372.6	442.4	458.2	420.1	359.9	309.7	273.1	252.2	236.7	226.1
65°	261.3	313.4	366.4	376.9	341.7	295.2	255.6	231.7	213.1	201.8	193.3
67.5°	214.3	256.1	293.7	302.1	271.3	239.1	210.5	189.6	177.1	167.6	160.5
70°	186.4	219.6	250.3	257.2	232.5	203.8	182.0	165.4	154.1	146.0	139.1
72.5°	157.0	184.7	210.2	214.8	194.6	172.8	154.8	141.8	131.7	126.6	120.0
75°	120.1	136.3	156.1	157.3	143.9	130.6	116.8	108.4	103.1	96.6	93.4
77.5°	84.8	97.4	108.8	111.0	103.1	94.0	86.3	79.6	75.1	72.2	69.2
80°	64.7	74.8	79.7	82.5	76.8	70.3	65.9	61.5	58.6	56.6	54.6
82.5°	46.3	52.5	57.0	59.2	56.2	52.3	47.8	45.3	43.1	41.4	40.7
85°	23.4	26.3	29.2	29.9	29.2	27.5	25.0	25.0	23.8	23.4	23.4
87.5°	8.6	10.3	10.6	12.0	11.6	12.0	12.2	12.1	12.1	12.0	11.8
90°	2.6	4.4	6.3	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8
92.5°	15.1	15.0	14.8	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5
95°	43.6	38.1	32.6	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2
97.5°	82.0	66.4	50.7	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9
100°	110.9	87.9	64.9	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9
102.5°	169.1	164.2	159.3	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8
105°	235.2	240.2	245.3	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9
107.5°	298.3	302.3	306.3	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8
110°	338.9	342.4	345.9	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.2	380.3	383.5	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4
115°	438.1	441.0	443.9	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2
117.5°	493.1	496.3	499.5	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6
120°	532.4	534.9	537.4	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9
122.5°	566.4	569.1	571.7	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0
125°	617.6	619.8	621.9	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0
127.5°	664.6	667.0	669.5	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3
130°	694.6	697.3	699.9	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0
132.5°	724.5	726.7	729.0	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9
135°	764.2	766.9	769.6	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8
137.5°	803.2	805.1	807.0	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8
140°	828.7	830.0	831.4	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8
142.5°	850.3	851.6	852.8	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9
145°	883.2	883.0	882.9	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9
147.5°	912.5	911.9	911.2	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8
150°	931.4	930.2	929.1	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4
152.5°	947.6	946.3	945.0	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6
155°	971.1	969.6	968.1	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0
157.5°	990.1	988.7	987.5	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2
160°	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2
162.5°	1010.9	1009.9	1008.8	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6
165°	1023.9	1022.9	1021.9	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0
167.5°	1033.6	1032.6	1031.6	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5
170°	1039.0	1038.1	1037.0	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4
172.5°	1042.7	1041.6	1040.7	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0
175°	1047.2	1046.0	1044.9	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9
177.5°	1048.2	1047.3	1046.3	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1091.4	1095.9	1095.9	1096.5	1101.8	1101.1	1100.7
5°	1161.4	1168.3	1169.1	1176.4	1181.2	1179.6	1175.2
7.5°	1227.5	1240.3	1250.0	1255.4	1261.8	1265.7	1264.0
10°	1279.9	1298.5	1309.9	1317.6	1326.8	1333.7	1331.3
12.5°	1327.5	1349.6	1365.2	1378.3	1379.6	1388.4	1382.4
15°	1401.6	1425.1	1427.5	1437.3	1444.9	1444.1	1444.5
17.5°	1426.2	1433.7	1435.2	1435.4	1435.5	1432.7	1426.6
20°	1417.4	1414.6	1407.7	1402.5	1393.1	1391.9	1383.9
22.5°	1376.0	1367.0	1349.8	1338.4	1323.9	1320.1	1317.9
25°	1294.5	1274.6	1247.1	1220.8	1213.6	1199.4	1203.5
27.5°	1182.6	1151.8	1122.0	1100.6	1081.2	1060.1	1066.1
30°	1104.0	1069.2	1027.1	994.8	974.2	953.9	950.3
32.5°	1010.2	959.3	912.3	883.8	852.2	839.5	825.5
35°	848.4	798.7	752.2	712.2	689.1	671.3	655.1
37.5°	702.9	645.6	608.2	575.7	559.0	548.8	551.4
40°	612.7	562.5	535.0	510.3	495.0	487.7	489.3
42.5°	539.6	502.0	479.3	462.5	451.6	447.6	446.6
45°	456.5	435.5	416.9	407.3	402.0	397.5	394.7
47.5°	400.0	382.8	372.3	366.5	361.9	357.4	357.4
50°	366.0	354.7	347.4	341.3	337.7	334.5	337.2
52.5°	340.1	329.7	322.5	317.0	315.7	312.8	312.7
55°	301.7	293.6	288.4	283.4	281.1	279.4	277.4
57.5°	266.7	259.0	254.2	251.1	246.5	244.9	244.2
60°	241.9	235.8	230.9	226.9	224.8	221.6	221.6
62.5°	218.9	212.8	208.3	205.2	201.8	200.6	200.9
65°	185.6	180.8	176.3	173.1	172.3	169.8	170.6
67.5°	155.0	151.8	147.1	145.4	143.8	142.5	141.6
70°	134.7	131.4	129.0	126.6	125.3	125.3	125.3
72.5°	117.5	113.6	112.2	109.1	109.8	108.5	107.3
75°	91.0	88.6	87.4	86.1	84.1	84.1	84.1
77.5°	66.9	66.2	64.8	63.5	63.0	62.6	62.7
80°	51.7	51.3	50.5	50.5	49.7	49.4	48.6
82.5°	39.8	38.7	38.3	37.9	37.8	37.7	37.5
85°	22.7	21.9	21.9	22.3	21.5	21.5	21.9
87.5°	12.3	12.4	12.2	12.3	12.7	12.4	12.5
90°	17.7	18.5	19.1	19.4	19.7	20.1	20.4
92.5°	18.9	19.3	19.6	19.8	20.0	20.2	20.4
95°	32.1	32.9	33.2	33.0	32.9	32.7	32.6
97.5°	41.5	42.2	42.6	42.9	43.0	43.3	43.4
100°	47.2	48.6	49.4	49.7	50.1	50.4	50.7
102.5°	49.6	51.3	52.4	52.9	53.4	53.9	54.3
105°	51.7	53.6	54.8	55.5	56.2	56.9	57.5
107.5°	59.0	57.1	56.5	57.2	57.8	58.5	59.2
110°	82.0	65.2	57.1	57.8	58.5	59.1	59.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	150.0	88.6	58.2	58.8	59.3	59.9	60.4
115°	233.4	155.5	110.5	98.4	86.3	74.1	62.1
117.5°	460.8	442.0	412.6	372.8	333.0	293.3	253.4
120°	560.9	562.9	552.5	529.9	507.2	484.4	461.8
122.5°	594.2	595.4	593.8	589.4	585.0	580.6	576.2
125°	643.2	644.4	645.2	645.7	646.2	646.7	647.2
127.5°	689.0	690.7	691.6	691.7	691.8	691.9	692.0
130°	717.9	719.7	720.6	720.3	720.2	720.0	719.9
132.5°	745.5	747.1	747.8	747.6	747.4	747.3	747.1
135°	785.4	787.1	787.8	787.5	787.1	786.8	786.5
137.5°	822.4	824.1	824.7	824.1	823.5	822.9	822.4
140°	846.3	847.8	848.1	847.3	846.4	845.6	844.8
142.5°	868.3	869.7	869.9	869.1	868.2	867.4	866.6
145°	899.0	900.2	900.4	899.5	898.7	897.9	897.0
147.5°	925.7	926.5	926.6	925.9	925.2	924.5	923.8
150°	942.4	943.4	943.5	942.7	941.8	941.0	940.2
152.5°	957.5	958.5	958.5	957.4	956.3	955.2	954.1
155°	977.9	979.0	978.8	977.5	976.1	974.8	973.4
157.5°	995.4	996.5	996.4	995.1	993.8	992.4	991.2
160°	1005.2	1006.2	1006.2	1005.0	1003.8	1002.7	1001.5
162.5°	1014.7	1015.9	1015.7	1014.2	1012.8	1011.4	1010.0
165°	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6
167.5°	1035.7	1036.9	1036.7	1035.2	1033.7	1032.2	1030.7
170°	1040.5	1041.7	1041.6	1040.1	1038.6	1037.0	1035.5
172.5°	1044.2	1045.4	1045.2	1043.7	1042.2	1040.7	1039.2
175°	1048.1	1049.3	1049.1	1047.3	1045.7	1044.0	1042.4
177.5°	1048.3	1049.2	1049.2	1047.9	1046.7	1045.5	1044.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1

(END OF REPORT)