

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: P331357-930

Luminaire Tested: **SA2XXDIP-C675D925U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331357-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D925U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

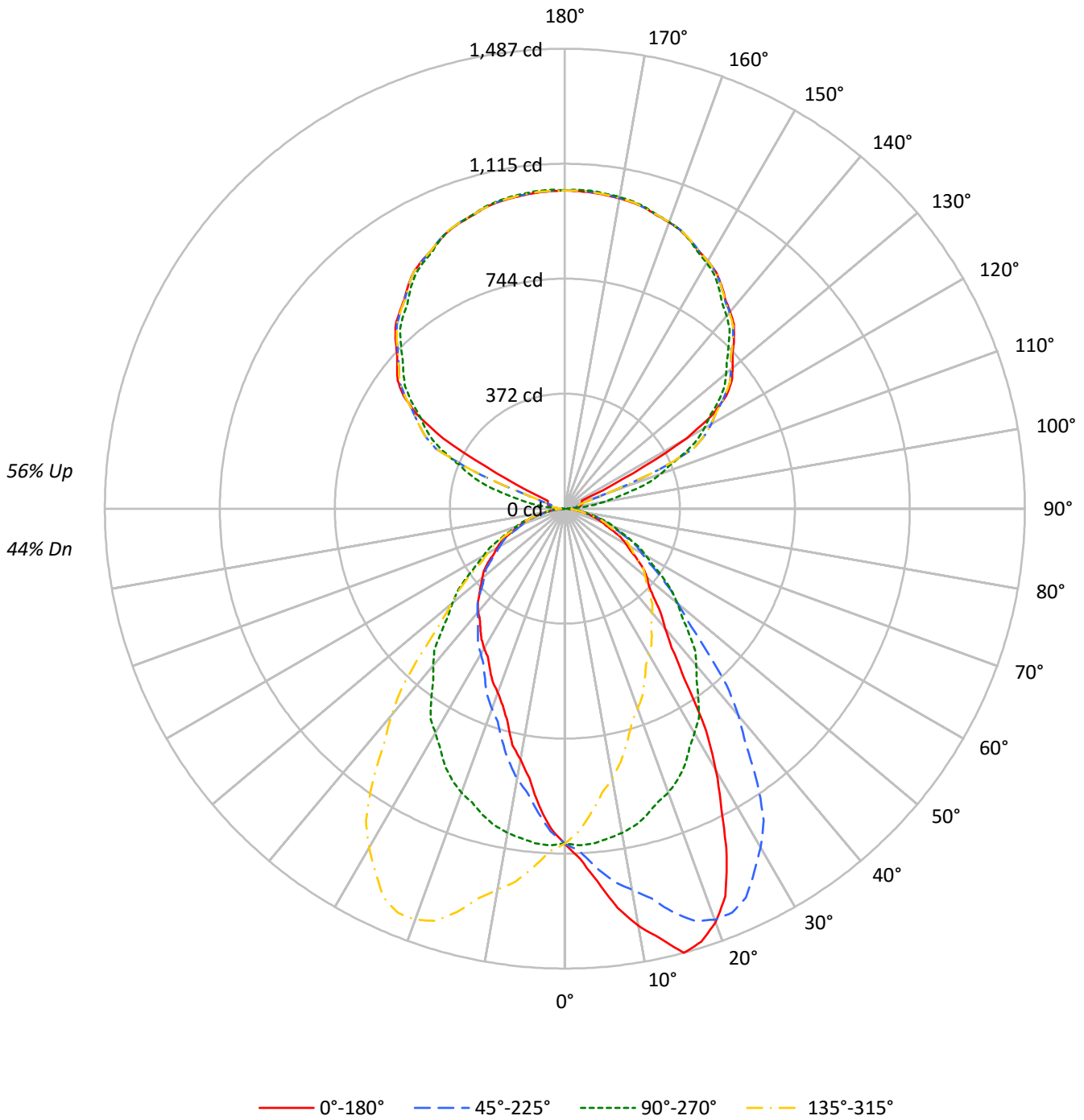
Lumens per Lamp: N/A
Luminaire Lumens: 5407.4 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 52
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	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28
4	74	64	56	51	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	44	62	53	46	41	45	39	35	37	33	30	30	27	25	22
6	63	51	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	58	47	39	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15
9	51	39	31	26	46	36	29	25	31	26	22	26	22	19	21	18	16	14
10	47	36	28	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.9
10°-20°	299.8	5.5
20°-30°	435.1	8.0
30°-40°	459.2	8.5
40°-50°	406.6	7.5
50°-60°	324.5	6.0
60°-70°	220.5	4.1
70°-80°	113.1	2.1
80°-90°	29.8	0.6
90°-100°	34.3	0.6
100°-110°	125.9	2.3
110°-120°	336.5	6.2
120°-130°	555.4	10.3
130°-140°	590.7	10.9
140°-150°	549.0	10.2
150°-160°	441.4	8.2
160°-170°	284.5	5.3
170°-180°	97.9	1.8
0°-30°	838.1	15.5
0°-40°	1297.3	24.0
0°-60°	2028.3	37.5
0°-90°	2391.7	44.2
90°-120°	496.7	9.2
90°-150°	2191.9	40.5
90°-180°	3016.0	55.8
0°-180°	5407.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	25
90°	20	1	20	1	20	10
95°	32	48	32	48	32	30
105°	57	226	57	226	57	59
115°	61	428	61	428	61	153
125°	637	605	637	605	637	551
135°	774	749	774	749	774	596
145°	882	869	882	869	882	552
155°	958	957	958	957	958	442
165°	1006	1008	1006	1008	1006	284
175°	1025	1031	1025	1031	1025	98
180°	1029	1029	1029	1029	1029	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	12.6	12.6	12.9	12.5	12.4	12.6	12.5	12.0	12.1	12.3	12.4
90°	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6	15.7	14.9	13.5
92.5°	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1	17.7	17.3	16.6
95°	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7	29.8	29.0	27.9
97.5°	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2	39.5	38.9	36.2
100°	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1	43.8	42.5	39.6
102.5°	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0	45.3	43.6	67.2
105°	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1	47.2	45.4	90.6
107.5°	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8	61.7	63.6	117.7
110°	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2	113.7	130.3	178.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0	268.3	328.6	340.5
115°	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2	382.8	459.4	455.3
117.5°	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8	490.3	508.8	506.1
120°	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8	547.8	545.8	542.8
122.5°	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3	582.1	581.0	577.7
125°	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5	630.4	629.2	626.1
127.5°	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0	674.3	672.7	670.3
130°	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3	702.5	700.7	698.9
132.5°	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8	730.3	728.6	726.8
135°	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0	769.3	767.7	766.2
137.5°	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4	805.8	804.2	802.5
140°	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0	829.5	828.0	826.2
142.5°	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7	851.4	850.0	848.0
145°	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2	882.0	880.8	878.1
147.5°	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7	908.8	908.0	905.2
150°	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0	925.0	924.1	921.5
152.5°	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9	940.0	939.0	936.5
155°	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1	960.0	959.0	957.1
157.5°	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0	976.9	975.8	974.4
160°	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8	986.8	985.9	984.9
162.5°	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0	995.9	994.8	993.9
165°	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0	1005.5
167.5°	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7	1016.5	1015.4	1014.9
170°	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5	1021.2	1020.1	1019.8
172.5°	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0	1024.8	1023.7	1023.4
175°	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9	1028.7	1027.5	1027.2
177.5°	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3	1029.4	1028.4	1028.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	12.5	12.1	11.9	12.2	10.9	10.5	8.8	7.5	7.5	7.5	7.3
90°	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7	2.5	4.4	6.2
92.5°	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0	14.8	14.7	14.5
95°	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4	43.0	37.5	32.0
97.5°	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0	80.6	65.3	49.9
100°	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8	109.1	86.4	63.8
102.5°	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1	166.3	161.5	156.7
105°	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3	231.3	236.3	241.2
107.5°	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3	293.3	297.3	301.3
110°	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9	333.4	336.8	340.3



TEST NUMBER: P331357-930
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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9	371.0	374.1	377.2
115°	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1	431.0	433.7	436.6
117.5°	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9	485.0	488.2	491.4
120°	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2	523.7	526.2	528.6
122.5°	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6	557.2	559.8	562.4
125°	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4	607.5	609.7	611.8
127.5°	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3	653.8	656.2	658.5
130°	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6	683.2	685.8	688.5
132.5°	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4	712.6	714.9	717.1
135°	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1	751.7	754.4	757.0
137.5°	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2	790.1	792.0	793.8
140°	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8	815.2	816.5	817.8
142.5°	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3	836.5	837.7	838.9
145°	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9	868.8	868.6	868.5
147.5°	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3	897.6	897.1	896.4
150°	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4	916.2	915.0	913.9
152.5°	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4	932.1	930.8	929.6
155°	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8	955.4	953.8	952.4
157.5°	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1	973.9	972.7	971.3
160°	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	984.9	983.9	982.8
162.5°	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4	994.4	993.4	992.4
165°	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2	1007.2	1006.2	1005.2
167.5°	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7	1016.8	1015.8	1014.7
170°	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1	1022.1	1021.1	1020.1
172.5°	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6	1025.6	1024.7	1023.7
175°	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3	1030.1	1029.0	1027.8
177.5°	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0	1031.1	1030.2	1029.2
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331357-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	7.3	7.3	7.2	7.4	7.3	7.3	7.2	7.3	7.5	6.9	7.1
90°	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6	17.4	18.2	18.8
92.5°	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1	18.6	19.0	19.3
95°	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7	31.6	32.4	32.7
97.5°	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2	40.8	41.5	41.9
100°	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1	46.4	47.8	48.6
102.5°	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0	48.8	50.5	51.6
105°	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1	50.9	52.7	54.0
107.5°	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8	58.0	56.2	55.6
110°	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2	80.6	64.1	56.2



TEST NUMBER: P331357-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0	147.6	87.2	57.3
115°	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2	229.6	153.0	108.7
117.5°	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8	453.3	434.7	405.9
120°	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8	551.8	553.8	543.6
122.5°	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3	584.5	585.7	584.2
125°	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5	632.7	633.8	634.6
127.5°	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0	677.8	679.5	680.3
130°	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3	706.1	707.9	708.8
132.5°	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8	733.4	734.9	735.6
135°	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0	772.7	774.3	774.9
137.5°	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4	809.0	810.7	811.2
140°	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0	832.5	834.0	834.3
142.5°	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7	854.1	855.5	855.7
145°	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2	884.4	885.5	885.7
147.5°	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7	910.5	911.4	911.5
150°	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0	927.1	928.1	928.1
152.5°	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9	941.9	942.9	942.9
155°	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1	962.1	963.0	962.9
157.5°	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0	979.1	980.2	980.2
160°	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8	988.9	989.9	989.8
162.5°	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0	998.2	999.3	999.1
165°	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6
167.5°	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7	1018.8	1020.0	1019.8
170°	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5	1023.6	1024.7	1024.6
172.5°	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0	1027.2	1028.3	1028.2
175°	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9	1031.0	1032.2	1031.9
177.5°	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3	1031.3	1032.2	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331357-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	7.2	6.8	6.9	6.7	6.9	6.8	7.2	7.1	6.9	7.5	7.3
90°	19.1	19.4	19.8	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6
92.5°	19.5	19.7	19.9	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1
95°	32.5	32.4	32.2	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7
97.5°	42.2	42.3	42.6	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2
100°	48.9	49.2	49.6	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1
102.5°	52.1	52.5	53.0	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0
105°	54.6	55.3	55.9	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1
107.5°	56.3	56.9	57.6	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8
110°	56.8	57.5	58.1	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2



TEST NUMBER: P331357-930
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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	57.8	58.4	58.9	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0
115°	96.8	84.9	73.0	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2
117.5°	366.7	327.6	288.5	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8
120°	521.2	498.9	476.5	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8
122.5°	579.8	575.4	571.1	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3
125°	635.1	635.6	636.2	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5
127.5°	680.4	680.5	680.6	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0
130°	708.7	708.4	708.3	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3
132.5°	735.4	735.2	735.1	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8
135°	774.6	774.3	774.0	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0
137.5°	810.7	810.1	809.5	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4
140°	833.5	832.7	831.8	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0
142.5°	854.9	854.1	853.3	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7
145°	884.8	884.0	883.2	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2
147.5°	910.8	910.1	909.4	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7
150°	927.3	926.4	925.6	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0
152.5°	941.8	940.7	939.6	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9
155°	961.6	960.2	958.9	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1
157.5°	978.8	977.5	976.2	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0
160°	988.6	987.4	986.3	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8
162.5°	997.8	996.3	994.9	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0
165°	1009.4	1008.3	1007.1	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3
167.5°	1018.3	1016.8	1015.4	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7
170°	1023.1	1021.6	1020.1	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5
172.5°	1026.6	1025.2	1023.7	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0
175°	1030.3	1028.7	1027.0	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9
177.5°	1030.9	1029.6	1028.4	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331357-930
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	7.2	7.3	7.3	7.4	7.2	7.3	7.3	7.3	7.5	7.5	7.5
90°	15.7	14.9	13.5	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7
92.5°	17.7	17.3	16.6	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0
95°	29.8	29.0	27.9	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4
97.5°	39.5	38.9	36.2	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0
100°	43.8	42.5	39.6	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8
102.5°	45.3	43.6	67.2	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1
105°	47.2	45.4	90.6	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3
107.5°	61.7	63.6	117.7	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3
110°	113.7	130.3	178.1	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9



TEST NUMBER: P331357-930
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	268.3	328.6	340.5	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9
115°	382.8	459.4	455.3	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1
117.5°	490.3	508.8	506.1	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9
120°	547.8	545.8	542.8	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2
122.5°	582.1	581.0	577.7	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6
125°	630.4	629.2	626.1	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4
127.5°	674.3	672.7	670.3	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3
130°	702.5	700.7	698.9	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6
132.5°	730.3	728.6	726.8	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4
135°	769.3	767.7	766.2	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1
137.5°	805.8	804.2	802.5	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2
140°	829.5	828.0	826.2	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8
142.5°	851.4	850.0	848.0	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3
145°	882.0	880.8	878.1	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9
147.5°	908.8	908.0	905.2	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3
150°	925.0	924.1	921.5	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4
152.5°	940.0	939.0	936.5	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4
155°	960.0	959.0	957.1	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8
157.5°	976.9	975.8	974.4	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1
160°	986.8	985.9	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9
162.5°	995.9	994.8	993.9	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4
165°	1007.1	1006.0	1005.5	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2
167.5°	1016.5	1015.4	1014.9	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7
170°	1021.2	1020.1	1019.8	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1
172.5°	1024.8	1023.7	1023.4	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6
175°	1028.7	1027.5	1027.2	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3
177.5°	1029.4	1028.4	1028.3	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331357-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	8.8	10.5	10.9	12.2	11.9	12.1	12.5	12.4	12.3	12.1	12.0
90°	2.5	4.4	6.2	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6
92.5°	14.8	14.7	14.5	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1
95°	43.0	37.5	32.0	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7
97.5°	80.6	65.3	49.9	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2
100°	109.1	86.4	63.8	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1
102.5°	166.3	161.5	156.7	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0
105°	231.3	236.3	241.2	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1
107.5°	293.3	297.3	301.3	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8
110°	333.4	336.8	340.3	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	371.0	374.1	377.2	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0
115°	431.0	433.7	436.6	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2
117.5°	485.0	488.2	491.4	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8
120°	523.7	526.2	528.6	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8
122.5°	557.2	559.8	562.4	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3
125°	607.5	609.7	611.8	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5
127.5°	653.8	656.2	658.5	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0
130°	683.2	685.8	688.5	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3
132.5°	712.6	714.9	717.1	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8
135°	751.7	754.4	757.0	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0
137.5°	790.1	792.0	793.8	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4
140°	815.2	816.5	817.8	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0
142.5°	836.5	837.7	838.9	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7
145°	868.8	868.6	868.5	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2
147.5°	897.6	897.1	896.4	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7
150°	916.2	915.0	913.9	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0
152.5°	932.1	930.8	929.6	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9
155°	955.4	953.8	952.4	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1
157.5°	973.9	972.7	971.3	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0
160°	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8
162.5°	994.4	993.4	992.4	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0
165°	1007.2	1006.2	1005.2	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3
167.5°	1016.8	1015.8	1014.7	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7
170°	1022.1	1021.1	1020.1	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5
172.5°	1025.6	1024.7	1023.7	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0
175°	1030.1	1029.0	1027.8	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9
177.5°	1031.1	1030.2	1029.2	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	12.5	12.6	12.4	12.5	12.9	12.6	12.6
90°	17.4	18.2	18.8	19.1	19.4	19.8	20.1
92.5°	18.6	19.0	19.3	19.5	19.7	19.9	20.1
95°	31.6	32.4	32.7	32.5	32.4	32.2	32.0
97.5°	40.8	41.5	41.9	42.2	42.3	42.6	42.7
100°	46.4	47.8	48.6	48.9	49.2	49.6	49.9
102.5°	48.8	50.5	51.6	52.1	52.5	53.0	53.5
105°	50.9	52.7	54.0	54.6	55.3	55.9	56.6
107.5°	58.0	56.2	55.6	56.3	56.9	57.6	58.2
110°	80.6	64.1	56.2	56.8	57.5	58.1	58.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	147.6	87.2	57.3	57.8	58.4	58.9	59.4
115°	229.6	153.0	108.7	96.8	84.9	73.0	61.1
117.5°	453.3	434.7	405.9	366.7	327.6	288.5	249.3
120°	551.8	553.8	543.6	521.2	498.9	476.5	454.2
122.5°	584.5	585.7	584.2	579.8	575.4	571.1	566.8
125°	632.7	633.8	634.6	635.1	635.6	636.2	636.7
127.5°	677.8	679.5	680.3	680.4	680.5	680.6	680.7
130°	706.1	707.9	708.8	708.7	708.4	708.3	708.1
132.5°	733.4	734.9	735.6	735.4	735.2	735.1	734.9
135°	772.7	774.3	774.9	774.6	774.3	774.0	773.6
137.5°	809.0	810.7	811.2	810.7	810.1	809.5	808.9
140°	832.5	834.0	834.3	833.5	832.7	831.8	831.0
142.5°	854.1	855.5	855.7	854.9	854.1	853.3	852.4
145°	884.4	885.5	885.7	884.8	884.0	883.2	882.4
147.5°	910.5	911.4	911.5	910.8	910.1	909.4	908.7
150°	927.1	928.1	928.1	927.3	926.4	925.6	924.8
152.5°	941.9	942.9	942.9	941.8	940.7	939.6	938.5
155°	962.1	963.0	962.9	961.6	960.2	958.9	957.6
157.5°	979.1	980.2	980.2	978.8	977.5	976.2	975.0
160°	988.9	989.9	989.8	988.6	987.4	986.3	985.1
162.5°	998.2	999.3	999.1	997.8	996.3	994.9	993.4
165°	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0
167.5°	1018.8	1020.0	1019.8	1018.3	1016.8	1015.4	1013.8
170°	1023.6	1024.7	1024.6	1023.1	1021.6	1020.1	1018.6
172.5°	1027.2	1028.3	1028.2	1026.6	1025.2	1023.7	1022.2
175°	1031.0	1032.2	1031.9	1030.3	1028.7	1027.0	1025.3
177.5°	1031.3	1032.2	1032.0	1030.9	1029.6	1028.4	1027.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1

(END OF REPORT)