

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: P331358-940

Luminaire Tested: **SA2XXDIP-C675D925U940-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331358-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5565.9 lumens
Efficiency: N/A
Efficacy: 107.0 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

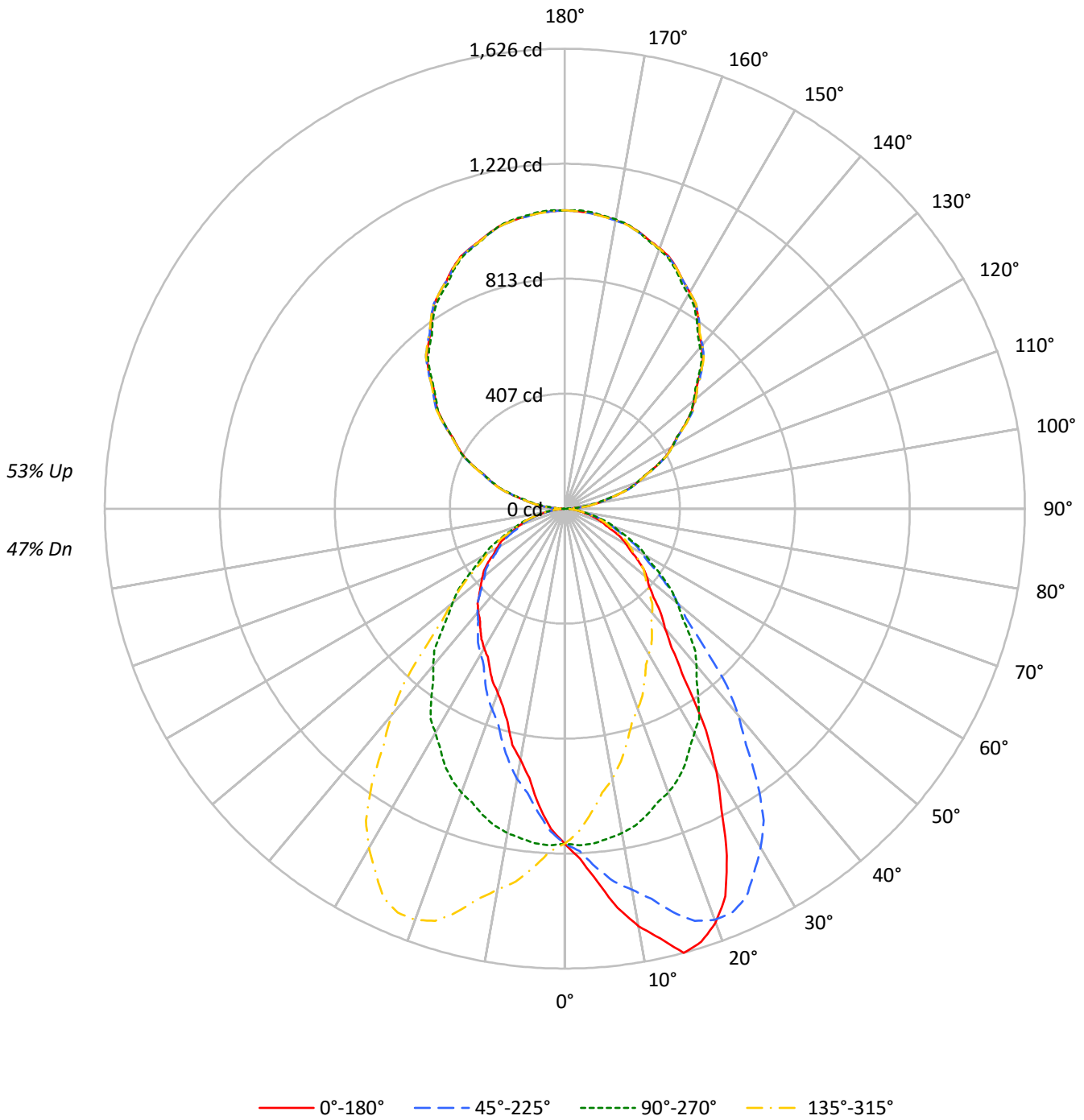
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30	26
5	69	58	50	44	63	53	47	41	46	40	36	38	34	31	31	28	26	23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	20
7	59	47	39	34	54	44	37	32	37	32	28	32	28	24	26	23	21	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19125	19125	19125	19125
5°	21441	19248	17057	19248
10°	24568	19090	14762	19090
15°	27178	18740	13041	18740
20°	26764	18364	11888	18364
25°	24134	17865	11158	17865
30°	19943	17066	10625	17066
35°	14534	16232	10247	16232
40°	11609	15247	10037	15247
45°	10145	14104	9750	14104
50°	9535	12999	9560	12999
55°	8791	11879	9303	11879
60°	8054	10685	8909	10685
65°	7339	9616	8520	9616
70°	6661	8573	7950	8573
75°	5908	7411	7043	7411
80°	5086	6137	5672	6137
85°	4557	4557	3372	4557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.0
10°-20°	327.9	5.9
20°-30°	475.9	8.6
30°-40°	502.2	9.0
40°-50°	444.7	8.0
50°-60°	354.9	6.4
60°-70°	241.2	4.3
70°-80°	123.7	2.2
80°-90°	34.0	0.6
90°-100°	66.8	1.2
100°-110°	207.5	3.7
110°-120°	354.7	6.4
120°-130°	466.5	8.4
130°-140°	523.6	9.4
140°-150°	513.4	9.2
150°-160°	430.6	7.7
160°-170°	285.6	5.1
170°-180°	99.8	1.8
0°-30°	916.7	16.5
0°-40°	1418.9	25.5
0°-60°	2218.4	39.9
0°-90°	2617.3	47.0
90°-120°	629.1	11.3
90°-150°	2132.6	38.3
90°-180°	2949.0	53.0
0°-180°	5565.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1184	1184	1184	1184	1184	
5°	1323	1188	1052	1188	1323	132
15°	1626	1121	780	1121	1626	449
25°	1355	1003	626	1003	1355	612
35°	737	824	520	824	737	480
45°	444	618	427	618	444	349
55°	312	422	330	422	312	280
65°	192	252	223	252	192	191
75°	95	119	113	119	95	101
85°	25	25	18	25	25	28
90°	30	1	30	1	30	14
95°	55	46	55	46	55	62
105°	198	191	198	191	198	208
115°	356	356	356	356	356	352
125°	520	518	520	518	520	463
135°	678	670	678	670	678	522
145°	822	813	822	813	822	513
155°	937	930	937	930	937	431
165°	1013	1012	1013	1012	1013	286
175°	1049	1053	1049	1053	1049	100
180°	1054	1054	1054	1054	1054	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1239.0	1239.4	1240.2	1234.3	1233.6	1233.6	1228.5	1224.1	1219.1	1212.1	1212.8
5°	1322.9	1327.8	1329.6	1324.2	1316.0	1315.1	1307.3	1294.6	1282.7	1273.2	1266.4
7.5°	1422.8	1424.8	1420.3	1413.1	1407.0	1396.2	1381.7	1367.6	1347.8	1329.7	1316.3
10°	1498.5	1501.3	1493.5	1483.1	1474.4	1461.7	1440.7	1419.3	1393.4	1368.3	1348.3
12.5°	1556.0	1562.8	1552.9	1551.5	1536.7	1519.2	1494.2	1483.5	1446.9	1412.0	1390.5
15°	1625.9	1625.5	1626.5	1617.8	1606.9	1604.1	1577.7	1549.1	1497.6	1477.1	1441.6
17.5°	1605.8	1612.7	1615.9	1615.8	1615.5	1613.8	1605.3	1587.2	1561.5	1528.2	1487.2
20°	1557.7	1566.8	1568.2	1578.7	1584.6	1592.3	1595.4	1590.5	1574.6	1546.8	1511.3
22.5°	1483.5	1485.9	1490.2	1506.5	1519.4	1538.7	1548.9	1565.8	1559.6	1546.0	1516.4
25°	1354.7	1350.1	1366.1	1374.2	1403.8	1434.8	1457.1	1481.7	1503.5	1516.7	1508.1
27.5°	1200.1	1193.3	1217.1	1238.9	1262.9	1296.5	1331.2	1372.3	1406.4	1449.1	1463.7
30°	1069.7	1073.8	1096.6	1119.8	1156.2	1203.5	1242.7	1287.8	1336.5	1384.3	1417.5
32.5°	929.2	944.9	959.3	994.9	1026.9	1079.8	1137.1	1193.5	1254.2	1308.5	1359.9
35°	737.4	755.6	775.7	801.6	846.7	899.0	955.0	1031.0	1113.9	1188.1	1249.1
37.5°	620.7	617.8	629.3	648.0	684.6	726.7	791.2	866.4	963.9	1051.1	1137.1
40°	550.8	548.9	557.1	574.4	602.3	633.2	689.6	755.6	846.2	952.7	1055.2
42.5°	502.7	503.8	508.4	520.6	539.6	565.1	607.3	663.5	746.5	846.8	956.8
45°	444.3	447.5	452.5	458.4	469.3	490.3	513.9	554.0	619.6	703.3	811.6
47.5°	402.3	402.3	407.4	412.6	419.1	430.9	450.2	475.3	521.6	589.8	682.9
50°	379.6	376.5	380.1	384.1	391.0	399.2	412.0	435.6	466.5	521.7	599.5
52.5°	352.0	352.0	355.3	356.9	363.0	371.1	382.8	399.2	427.2	470.3	534.3
55°	312.3	314.5	316.4	319.1	324.6	330.5	339.6	350.5	372.4	404.7	452.0
57.5°	274.9	275.6	277.5	282.7	286.1	291.6	300.2	310.1	324.4	348.3	383.9
60°	249.4	249.4	253.1	255.4	259.9	265.4	272.2	281.8	294.5	314.1	342.8
62.5°	226.1	225.8	227.2	231.0	234.4	239.5	246.4	254.5	266.4	283.8	307.5
65°	192.1	191.2	193.9	194.8	198.5	203.5	208.9	217.6	227.1	239.9	260.8
67.5°	159.3	160.4	161.8	163.6	165.6	170.9	174.5	180.7	188.7	199.3	213.5
70°	141.1	141.1	141.1	142.5	145.2	147.9	151.6	156.6	164.3	173.4	186.2
72.5°	120.7	122.2	123.6	122.8	126.3	127.9	132.2	135.1	142.5	148.3	159.6
75°	94.7	94.7	94.7	96.9	98.4	99.7	102.5	105.1	108.8	116.1	122.0
77.5°	70.6	70.4	70.9	71.4	72.9	74.5	75.3	77.8	81.2	84.5	89.6
80°	54.7	55.6	56.0	56.9	56.9	57.8	58.2	61.4	63.8	66.0	69.2
82.5°	42.3	42.4	42.5	42.7	43.1	43.6	44.8	45.8	46.6	48.5	51.0
85°	24.6	24.2	24.2	25.1	24.6	24.6	25.5	26.4	26.4	26.8	28.2
87.5°	15.5	15.5	15.8	15.4	15.3	15.8	15.8	15.5	16.0	16.4	16.0
90°	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3	30.8	31.1	26.8
92.5°	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4	28.4	28.3	27.3
95°	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0	57.0	57.0	56.5
97.5°	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.0
100°	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8	122.8	122.8	122.3
102.5°	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3	152.1	152.0	151.2
105°	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5	196.2	195.7	195.4
107.5°	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3	244.2	244.0	244.0
110°	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8	276.8	276.8	276.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2	309.8	310.2	310.4
115°	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1	359.4	359.5	359.9
117.5°	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3	407.8	408.3	409.4
120°	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6	439.6	439.6	441.2
122.5°	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8	473.3	473.8	474.9
125°	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1	522.6	523.3	523.9
127.5°	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9	570.6	571.3	572.0
130°	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5	603.0	603.3	603.8
132.5°	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4	635.3	636.1	636.0
135°	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3	681.4	681.6	681.3
137.5°	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2	726.4	726.5	726.0
140°	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4	756.4	756.4	755.5
142.5°	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8	783.6	783.5	782.7
145°	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3	825.1	824.9	823.8
147.5°	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7	861.3	860.9	860.1
150°	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8	884.2	883.7	882.9
152.5°	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9	907.2	906.4	905.4
155°	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3	936.3	935.2	934.7
157.5°	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3	963.0	961.6	961.3
160°	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3	979.2	977.9	977.8
162.5°	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9	993.5	992.2	992.0
165°	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7	1012.3	1010.9	1010.9
167.5°	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1	1027.8	1026.4	1026.4
170°	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7	1036.3	1034.9	1035.1
172.5°	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1	1042.8	1041.3	1041.5
175°	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1	1049.6	1048.3	1048.7
177.5°	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4	1052.7
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1215.4	1212.5	1210.7	1204.1	1198.3	1192.5	1190.6	1191.3	1183.4	1175.7	1172.4
5°	1262.8	1253.7	1245.0	1232.7	1218.2	1202.2	1194.0	1187.6	1171.7	1154.4	1144.4
7.5°	1305.2	1292.2	1275.5	1252.3	1231.2	1206.1	1190.2	1176.1	1152.7	1128.4	1113.4
10°	1331.1	1313.2	1291.8	1263.6	1237.7	1207.2	1185.8	1164.4	1137.1	1108.0	1089.8
12.5°	1353.3	1329.3	1308.2	1272.0	1241.4	1203.2	1177.8	1147.6	1118.9	1084.3	1066.5
15°	1406.1	1362.0	1321.9	1280.9	1243.1	1189.9	1161.7	1121.1	1083.3	1040.6	1020.1
17.5°	1447.0	1397.4	1334.3	1282.2	1238.1	1179.2	1137.7	1089.2	1044.6	995.6	967.8
20°	1470.3	1413.4	1345.6	1283.7	1230.8	1163.5	1118.5	1068.8	1016.5	961.4	931.3
22.5°	1484.2	1424.3	1357.3	1278.2	1216.3	1150.8	1094.0	1039.6	986.6	927.2	895.6
25°	1488.5	1433.9	1362.9	1273.6	1198.1	1123.9	1055.6	1002.8	938.6	883.1	837.1
27.5°	1466.9	1427.7	1359.4	1265.1	1177.1	1090.3	1014.2	954.4	886.6	826.3	780.2
30°	1440.3	1417.5	1351.0	1256.3	1160.3	1067.0	983.2	915.4	848.0	787.0	739.7
32.5°	1399.1	1394.2	1335.8	1243.9	1142.5	1037.5	950.8	882.3	807.6	747.7	702.6
35°	1318.3	1340.2	1303.2	1216.3	1108.8	995.5	901.8	823.5	746.1	688.8	646.4
37.5°	1210.0	1264.2	1254.5	1175.8	1063.5	949.9	846.3	764.5	690.7	632.8	591.3
40°	1135.2	1204.4	1214.5	1144.9	1031.5	914.5	804.8	723.4	651.4	598.6	556.7
42.5°	1055.2	1136.0	1163.5	1107.7	996.5	877.4	767.7	683.2	612.1	560.7	523.6
45°	920.9	1027.9	1077.5	1045.6	938.2	816.2	703.3	617.7	553.0	504.8	476.2
47.5°	795.3	912.2	978.9	967.7	873.3	752.4	640.9	558.7	495.8	457.3	431.6
50°	706.5	826.6	907.2	910.9	826.6	706.9	594.9	517.5	459.8	423.8	402.9
52.5°	629.3	744.0	831.9	851.1	774.5	659.6	553.8	476.8	425.9	392.8	374.1
55°	528.5	625.4	722.8	758.4	696.9	587.6	489.8	422.0	374.2	351.4	335.0
57.5°	439.3	520.2	610.2	649.4	611.5	518.0	426.2	367.4	328.6	308.6	296.0
60°	392.4	456.1	536.2	583.1	550.4	467.1	386.9	330.9	299.1	281.3	269.5
62.5°	348.7	405.1	472.9	515.8	497.9	419.4	347.6	298.2	270.6	254.0	245.5
65°	287.7	332.3	384.7	424.3	412.4	352.8	294.1	251.7	229.9	216.7	209.8
67.5°	236.9	269.1	305.4	340.1	330.6	288.3	241.2	208.2	191.9	180.6	176.5
70°	204.8	229.4	261.7	289.5	281.8	247.2	209.8	181.6	167.6	157.9	153.8
72.5°	174.2	194.5	219.1	241.8	236.6	207.9	176.7	155.4	144.5	135.7	132.3
75°	131.5	147.0	162.0	177.1	175.7	153.4	135.2	118.8	110.1	103.3	101.9
77.5°	97.1	105.8	116.0	124.9	122.4	109.7	95.4	86.1	79.6	75.1	74.4
80°	74.2	79.2	86.5	92.8	89.7	84.2	72.9	66.0	61.4	56.9	55.1
82.5°	53.8	58.9	63.2	66.6	64.2	59.1	52.1	47.4	44.7	41.6	40.8
85°	28.2	30.9	32.8	33.7	32.8	29.6	26.4	24.6	22.3	21.0	20.5
87.5°	15.4	14.5	13.6	13.7	12.1	11.7	9.7	8.2	8.3	8.4	8.1
90°	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9	3.3	5.6	8.0
92.5°	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9	17.6	19.4	21.0
95°	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3	48.2	50.2	52.2
97.5°	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5	86.3	88.0	89.8
100°	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0	114.6	116.2	117.8
102.5°	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9	144.2	145.4	146.7
105°	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4	191.9	192.5	193.1
107.5°	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0	240.9	241.8	242.7
110°	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4	272.6	273.8	275.0



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6	306.7	308.0	309.2
115°	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0	357.1	358.3	359.5
117.5°	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2	407.7	409.3	410.9
120°	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	441.2	442.7	444.3
122.5°	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2	472.1	474.0	475.9
125°	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9	519.7	521.5	523.3
127.5°	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4	566.6	568.9	571.1
130°	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5	596.1	598.7	601.3
132.5°	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3	628.4	630.5	632.6
135°	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1	672.3	674.4	676.6
137.5°	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2	717.9	719.7	721.5
140°	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0	745.7	747.5	749.3
142.5°	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4	774.2	776.0	777.8
145°	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3	814.8	816.1	817.5
147.5°	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8	851.5	853.2	854.8
150°	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8	875.9	877.1	878.3
152.5°	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8	898.0	899.2	900.4
155°	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0	930.5	931.1	931.7
157.5°	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2	958.6	959.0	959.4
160°	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4	975.7	976.1	976.5
162.5°	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0	991.0	991.1	991.2
165°	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8	1011.6	1011.4	1011.2
167.5°	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2	1028.7	1028.1	1027.4
170°	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5	1037.9	1037.3	1036.7
172.5°	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9	1044.3	1043.7	1043.1
175°	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8	1052.1	1051.5	1051.0
177.5°	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0	1055.4	1055.0	1054.5
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1168.8	1166.6	1159.0	1154.9	1148.3	1142.2	1138.2	1140.1	1141.5	1140.8	1139.6
5°	1135.2	1126.6	1113.4	1102.1	1093.9	1078.8	1072.5	1069.3	1066.6	1063.4	1060.2
7.5°	1095.4	1081.7	1062.8	1046.6	1031.3	1012.6	1002.0	995.6	989.1	981.9	975.5
10°	1067.0	1047.8	1027.9	1005.0	986.9	970.0	955.0	945.0	935.9	927.3	920.9
12.5°	1037.1	1015.1	990.3	959.2	939.1	915.1	912.8	895.1	880.9	875.6	868.1
15°	989.6	958.7	927.3	890.4	874.4	852.6	838.9	825.3	813.0	804.3	802.1
17.5°	935.6	895.5	864.3	837.9	811.7	789.3	776.8	765.8	755.7	744.1	742.6
20°	894.5	859.9	825.7	802.5	775.7	752.9	737.4	726.5	717.8	711.1	705.1
22.5°	855.5	817.6	786.4	761.0	734.5	716.1	703.9	693.4	686.2	678.6	673.1
25°	793.0	763.4	729.2	700.5	678.7	666.9	656.8	647.7	643.2	638.2	631.9
27.5°	738.2	705.3	673.4	651.2	632.0	621.5	614.4	608.2	604.0	601.0	597.4
30°	699.6	666.4	641.4	619.6	603.6	593.2	588.6	585.0	580.0	578.1	576.3
32.5°	662.5	632.6	611.2	592.2	577.0	570.2	566.0	562.8	558.8	557.0	553.3
35°	609.9	585.0	564.0	553.5	541.3	535.3	532.2	527.5	524.0	522.1	521.7
37.5°	560.5	538.8	525.0	511.6	506.4	502.7	498.4	495.3	494.2	493.9	493.5
40°	528.5	510.8	498.5	487.5	485.3	479.7	476.2	473.4	473.4	473.9	473.4
42.5°	499.4	483.4	472.6	463.2	460.5	457.2	453.5	453.3	454.1	455.7	454.1
45°	455.2	443.8	436.0	431.5	426.5	423.3	422.8	424.3	424.7	425.2	426.5
47.5°	414.6	407.1	400.0	395.0	392.8	392.3	391.7	394.1	396.3	397.1	399.2
50°	390.6	381.9	376.0	372.8	371.0	370.1	371.0	373.7	375.5	377.8	379.2
52.5°	363.6	357.5	353.4	351.0	350.3	350.8	351.0	354.1	357.0	357.8	358.5
55°	326.4	321.8	320.9	316.8	318.6	318.2	320.5	322.3	325.0	327.7	328.2
57.5°	289.3	285.6	283.1	283.5	284.0	286.1	287.9	291.1	294.1	296.9	297.2
60°	264.5	262.6	261.3	261.3	262.2	264.9	267.2	270.4	272.2	274.0	275.4
62.5°	241.9	240.0	238.7	239.4	241.8	243.4	246.1	247.8	249.6	251.5	252.1
65°	206.2	205.3	206.7	207.6	208.0	210.3	213.5	214.8	216.7	217.6	220.8
67.5°	173.3	173.5	173.3	174.6	177.3	177.8	180.8	184.0	184.3	186.1	188.2
70°	151.1	152.0	152.9	153.8	156.1	157.0	159.3	160.7	162.5	163.9	165.2
72.5°	130.7	130.9	131.8	131.6	133.6	135.5	137.5	138.8	140.6	142.4	143.7
75°	100.6	100.6	101.5	101.9	104.2	106.6	106.0	107.0	108.8	110.6	111.6
77.5°	73.5	72.5	73.5	73.9	74.6	76.6	77.0	78.2	80.3	79.6	80.7
80°	56.0	54.7	56.0	56.4	56.4	58.8	58.8	59.7	61.0	59.7	61.0
82.5°	39.9	39.3	40.3	40.4	41.1	41.2	42.0	42.2	43.5	42.9	43.5
85°	20.1	19.6	20.1	19.6	20.1	20.5	20.5	20.1	20.1	21.0	19.6
87.5°	8.3	8.6	9.1	10.0	10.4	11.0	10.5	10.4	10.3	9.5	9.5
90°	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3	30.0	29.6	29.4
92.5°	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4	28.5	28.6	28.7
95°	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0	57.0	57.0	56.7
97.5°	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8	95.8	95.8	95.8
100°	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8	122.8	122.8	122.7
102.5°	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3	152.5	152.7	152.6
105°	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5	197.0	197.3	197.5
107.5°	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3	244.5	244.6	244.2
110°	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.8	276.4



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2	308.8	308.4	307.8
115°	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1	358.9	358.7	358.3
117.5°	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3	406.9	406.4	405.8
120°	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6	439.6	439.6	439.3
122.5°	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8	472.3	471.9	471.4
125°	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1	521.5	520.8	520.5
127.5°	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9	569.2	568.5	567.8
130°	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5	602.2	601.7	601.2
132.5°	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4	633.5	632.6	631.9
135°	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3	681.1	680.8	680.5
137.5°	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2	726.0	725.9	725.4
140°	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4	756.4	756.4	756.0
142.5°	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8	783.9	784.1	783.8
145°	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3	825.5	825.7	825.5
147.5°	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7	862.2	862.6	862.5
150°	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8	885.5	886.0	886.0
152.5°	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9	908.7	909.5	909.5
155°	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3	938.3	939.2	939.4
157.5°	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3	965.6	967.0	967.1
160°	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3	981.5	982.8	982.9
162.5°	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9	996.2	997.6	997.8
165°	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7	1015.0	1016.5	1016.6
167.5°	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1	1030.6	1031.9	1032.1
170°	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7	1039.1	1040.4	1040.5
172.5°	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1	1045.5	1046.9	1047.0
175°	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1	1052.4	1053.8	1053.9
177.5°	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331358-940
 CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1136.0	1135.2	1135.2	1132.0	1135.2	1135.2	1136.0	1139.6	1140.8	1141.5	1140.1
5°	1053.8	1052.4	1050.2	1052.4	1050.2	1052.4	1053.8	1060.2	1063.4	1066.6	1069.3
7.5°	972.5	967.1	966.3	960.8	966.3	967.1	972.5	975.5	981.9	989.1	995.6
10°	913.1	909.5	909.0	900.4	909.0	909.5	913.1	920.9	927.3	935.9	945.0
12.5°	868.0	859.3	860.9	856.0	860.9	859.3	868.0	868.1	875.6	880.9	895.1
15°	789.8	789.8	787.9	780.2	787.9	789.8	789.8	802.1	804.3	813.0	825.3
17.5°	733.6	732.7	728.3	730.5	728.3	732.7	733.6	742.6	744.1	755.7	765.8
20°	700.1	697.4	691.9	691.9	691.9	697.4	700.1	705.1	711.1	717.8	726.5
22.5°	668.4	668.2	662.5	664.2	662.5	668.2	668.4	673.1	678.6	686.2	693.4
25°	631.3	627.8	625.0	626.3	625.0	627.8	631.3	631.9	638.2	643.2	647.7
27.5°	596.2	594.2	594.1	590.3	594.1	594.2	596.2	597.4	601.0	604.0	608.2
30°	575.9	571.3	572.2	569.9	572.2	571.3	575.9	576.3	578.1	580.0	585.0
32.5°	552.5	550.9	550.0	548.0	550.0	550.9	552.5	553.3	557.0	558.8	562.8
35°	520.8	521.2	519.0	519.9	519.0	521.2	520.8	521.7	522.1	524.0	527.5
37.5°	493.0	494.5	493.4	493.7	493.4	494.5	493.0	493.5	493.9	494.2	495.3
40°	474.7	474.7	474.7	476.2	474.7	474.7	474.7	473.4	473.9	473.4	473.4
42.5°	457.3	456.6	455.8	455.8	455.8	456.6	457.3	454.1	455.7	454.1	453.3
45°	427.4	428.8	429.3	427.0	429.3	428.8	427.4	426.5	425.2	424.7	424.3
47.5°	400.4	400.6	400.4	402.4	400.4	400.6	400.4	399.2	397.1	396.3	394.1
50°	381.5	380.6	381.5	380.6	381.5	380.6	381.5	379.2	377.8	375.5	373.7
52.5°	361.4	361.6	361.1	360.9	361.1	361.6	361.4	358.5	357.8	357.0	354.1
55°	330.0	330.9	330.5	330.5	330.5	330.9	330.0	328.2	327.7	325.0	322.3
57.5°	297.6	298.4	299.0	296.9	299.0	298.4	297.6	297.2	296.9	294.1	291.1
60°	274.9	277.2	276.8	275.9	276.8	277.2	274.9	275.4	274.0	272.2	270.4
62.5°	254.2	255.0	254.9	254.8	254.9	255.0	254.2	252.1	251.5	249.6	247.8
65°	222.1	223.0	221.7	223.0	221.7	223.0	222.1	220.8	217.6	216.7	214.8
67.5°	187.6	187.9	189.0	189.6	189.0	187.9	187.6	188.2	186.1	184.3	184.0
70°	166.1	165.7	167.0	168.4	167.0	165.7	166.1	165.2	163.9	162.5	160.7
72.5°	143.6	144.5	144.1	145.1	144.1	144.5	143.6	143.7	142.4	140.6	138.8
75°	110.6	112.0	111.6	112.9	111.6	112.0	110.6	111.6	110.6	108.8	107.0
77.5°	79.9	80.1	79.9	80.7	79.9	80.1	79.9	80.7	79.6	80.3	78.2
80°	61.0	60.1	59.2	61.0	59.2	60.1	61.0	61.0	59.7	61.0	59.7
82.5°	42.4	43.0	42.1	42.1	42.1	43.0	42.4	43.5	42.9	43.5	42.2
85°	19.6	19.1	18.2	18.2	18.2	19.1	19.6	19.6	21.0	20.1	20.1
87.5°	9.5	9.3	9.3	9.0	9.3	9.3	9.5	9.5	9.5	10.3	10.4
90°	29.7	29.9	30.1	30.2	30.1	29.9	29.7	29.4	29.6	30.0	30.3
92.5°	28.7	28.7	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.5	28.4
95°	56.4	56.0	55.6	55.2	55.6	56.0	56.4	56.7	57.0	57.0	57.0
97.5°	95.7	95.7	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8
100°	122.5	122.3	122.1	121.9	122.1	122.3	122.5	122.7	122.8	122.8	122.8
102.5°	152.4	152.2	152.0	151.9	152.0	152.2	152.4	152.6	152.7	152.5	152.3
105°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.3	197.0	196.5
107.5°	243.3	242.5	241.6	240.6	241.6	242.5	243.3	244.2	244.6	244.5	244.3
110°	275.9	275.3	274.6	274.1	274.6	275.3	275.9	276.4	276.8	276.8	276.8



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	307.5	307.0	306.6	306.1	306.6	307.0	307.5	307.8	308.4	308.8	309.2
115°	357.8	357.1	356.5	356.0	356.5	357.1	357.8	358.3	358.7	358.9	359.1
117.5°	405.3	404.7	404.0	403.5	404.0	404.7	405.3	405.8	406.4	406.9	407.3
120°	438.7	438.1	437.6	436.9	437.6	438.1	438.7	439.3	439.6	439.6	439.6
122.5°	471.0	470.6	470.1	469.7	470.1	470.6	471.0	471.4	471.9	472.3	472.8
125°	520.3	520.0	519.9	519.7	519.9	520.0	520.3	520.5	520.8	521.5	522.1
127.5°	567.1	566.5	565.9	565.3	565.9	566.5	567.1	567.8	568.5	569.2	569.9
130°	600.4	599.6	598.8	598.0	598.8	599.6	600.4	601.2	601.7	602.2	602.5
132.5°	631.2	630.6	630.0	629.4	630.0	630.6	631.2	631.9	632.6	633.5	634.4
135°	679.8	679.3	678.7	678.1	678.7	679.3	679.8	680.5	680.8	681.1	681.3
137.5°	724.6	723.8	723.0	722.2	723.0	723.8	724.6	725.4	725.9	726.0	726.2
140°	755.2	754.4	753.7	752.9	753.7	754.4	755.2	756.0	756.4	756.4	756.4
142.5°	783.0	782.2	781.4	780.6	781.4	782.2	783.0	783.8	784.1	783.9	783.8
145°	824.7	823.9	823.0	822.2	823.0	823.9	824.7	825.5	825.7	825.5	825.3
147.5°	861.7	860.9	860.2	859.4	860.2	860.9	861.7	862.5	862.6	862.2	861.7
150°	885.5	884.8	884.2	883.7	884.2	884.8	885.5	886.0	886.0	885.5	884.8
152.5°	908.7	907.9	907.2	906.4	907.2	907.9	908.7	909.5	909.5	908.7	907.9
155°	938.8	938.3	937.6	937.0	937.6	938.3	938.8	939.4	939.2	938.3	937.3
157.5°	966.3	965.3	964.3	963.4	964.3	965.3	966.3	967.1	967.0	965.6	964.3
160°	982.1	981.3	980.5	979.7	980.5	981.3	982.1	982.9	982.8	981.5	980.3
162.5°	996.8	995.9	995.0	994.0	995.0	995.9	996.8	997.8	997.6	996.2	994.9
165°	1015.7	1014.7	1013.7	1012.7	1013.7	1014.7	1015.7	1016.6	1016.5	1015.0	1013.7
167.5°	1031.1	1030.0	1029.0	1028.0	1029.0	1030.0	1031.1	1032.1	1031.9	1030.6	1029.1
170°	1039.4	1038.2	1037.0	1035.8	1037.0	1038.2	1039.4	1040.5	1040.4	1039.1	1037.7
172.5°	1045.8	1044.6	1043.4	1042.2	1043.4	1044.6	1045.8	1047.0	1046.9	1045.5	1044.1
175°	1052.8	1051.5	1050.3	1049.2	1050.3	1051.5	1052.8	1053.9	1053.8	1052.4	1051.1
177.5°	1055.3	1054.3	1053.3	1052.4	1053.3	1054.3	1055.3	1056.1	1056.1	1055.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1138.2	1142.2	1148.3	1154.9	1159.0	1166.6	1168.8	1172.4	1175.7	1183.4	1191.3
5°	1072.5	1078.8	1093.9	1102.1	1113.4	1126.6	1135.2	1144.4	1154.4	1171.7	1187.6
7.5°	1002.0	1012.6	1031.3	1046.6	1062.8	1081.7	1095.4	1113.4	1128.4	1152.7	1176.1
10°	955.0	970.0	986.9	1005.0	1027.9	1047.8	1067.0	1089.8	1108.0	1137.1	1164.4
12.5°	912.8	915.1	939.1	959.2	990.3	1015.1	1037.1	1066.5	1084.3	1118.9	1147.6
15°	838.9	852.6	874.4	890.4	927.3	958.7	989.6	1020.1	1040.6	1083.3	1121.1
17.5°	776.8	789.3	811.7	837.9	864.3	895.5	935.6	967.8	995.6	1044.6	1089.2
20°	737.4	752.9	775.7	802.5	825.7	859.9	894.5	931.3	961.4	1016.5	1068.8
22.5°	703.9	716.1	734.5	761.0	786.4	817.6	855.5	895.6	927.2	986.6	1039.6
25°	656.8	666.9	678.7	700.5	729.2	763.4	793.0	837.1	883.1	938.6	1002.8
27.5°	614.4	621.5	632.0	651.2	673.4	705.3	738.2	780.2	826.3	886.6	954.4
30°	588.6	593.2	603.6	619.6	641.4	666.4	699.6	739.7	787.0	848.0	915.4
32.5°	566.0	570.2	577.0	592.2	611.2	632.6	662.5	702.6	747.7	807.6	882.3
35°	532.2	535.3	541.3	553.5	564.0	585.0	609.9	646.4	688.8	746.1	823.5
37.5°	498.4	502.7	506.4	511.6	525.0	538.8	560.5	591.3	632.8	690.7	764.5
40°	476.2	479.7	485.3	487.5	498.5	510.8	528.5	556.7	598.6	651.4	723.4
42.5°	453.5	457.2	460.5	463.2	472.6	483.4	499.4	523.6	560.7	612.1	683.2
45°	422.8	423.3	426.5	431.5	436.0	443.8	455.2	476.2	504.8	553.0	617.7
47.5°	391.7	392.3	392.8	395.0	400.0	407.1	414.6	431.6	457.3	495.8	558.7
50°	371.0	370.1	371.0	372.8	376.0	381.9	390.6	402.9	423.8	459.8	517.5
52.5°	351.0	350.8	350.3	351.0	353.4	357.5	363.6	374.1	392.8	425.9	476.8
55°	320.5	318.2	318.6	316.8	320.9	321.8	326.4	335.0	351.4	374.2	422.0
57.5°	287.9	286.1	284.0	283.5	283.1	285.6	289.3	296.0	308.6	328.6	367.4
60°	267.2	264.9	262.2	261.3	261.3	262.6	264.5	269.5	281.3	299.1	330.9
62.5°	246.1	243.4	241.8	239.4	238.7	240.0	241.9	245.5	254.0	270.6	298.2
65°	213.5	210.3	208.0	207.6	206.7	205.3	206.2	209.8	216.7	229.9	251.7
67.5°	180.8	177.8	177.3	174.6	173.3	173.5	173.3	176.5	180.6	191.9	208.2
70°	159.3	157.0	156.1	153.8	152.9	152.0	151.1	153.8	157.9	167.6	181.6
72.5°	137.5	135.5	133.6	131.6	131.8	130.9	130.7	132.3	135.7	144.5	155.4
75°	106.0	106.6	104.2	101.9	101.5	100.6	100.6	101.9	103.3	110.1	118.8
77.5°	77.0	76.6	74.6	73.9	73.5	72.5	73.5	74.4	75.1	79.6	86.1
80°	58.8	58.8	56.4	56.4	56.0	54.7	56.0	55.1	56.9	61.4	66.0
82.5°	42.0	41.2	41.1	40.4	40.3	39.3	39.9	40.8	41.6	44.7	47.4
85°	20.5	20.5	20.1	19.6	20.1	19.6	20.1	20.5	21.0	22.3	24.6
87.5°	10.5	11.0	10.4	10.0	9.1	8.6	8.3	8.1	8.4	8.3	8.2
90°	30.8	31.1	26.8	22.5	18.1	13.7	10.3	8.0	5.6	3.3	0.9
92.5°	28.4	28.3	27.3	26.2	25.2	24.2	22.8	21.0	19.4	17.6	15.9
95°	57.0	57.0	56.5	56.2	55.7	55.4	54.2	52.2	50.2	48.2	46.3
97.5°	95.8	95.8	95.0	94.3	93.5	92.7	91.5	89.8	88.0	86.3	84.5
100°	122.8	122.8	122.3	121.6	121.0	120.5	119.3	117.8	116.2	114.6	113.0
102.5°	152.1	152.0	151.2	150.5	149.7	149.0	147.9	146.7	145.4	144.2	142.9
105°	196.2	195.7	195.4	195.0	194.6	194.2	193.7	193.1	192.5	191.9	191.4
107.5°	244.2	244.0	244.0	244.0	244.0	244.0	243.6	242.7	241.8	240.9	240.0
110°	276.8	276.8	276.8	276.8	276.8	276.8	276.2	275.0	273.8	272.6	271.4



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	309.8	310.2	310.4	310.5	310.7	310.9	310.3	309.2	308.0	306.7	305.6
115°	359.4	359.5	359.9	360.3	360.7	361.1	360.7	359.5	358.3	357.1	356.0
117.5°	407.8	408.3	409.4	410.5	411.6	412.7	412.5	410.9	409.3	407.7	406.2
120°	439.6	439.6	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6
122.5°	473.3	473.8	474.9	476.0	477.1	478.2	477.8	475.9	474.0	472.1	470.2
125°	522.6	523.3	523.9	524.4	525.0	525.7	525.0	523.3	521.5	519.7	517.9
127.5°	570.6	571.3	572.0	572.7	573.5	574.2	573.4	571.1	568.9	566.6	564.4
130°	603.0	603.3	603.8	604.1	604.5	604.9	603.9	601.3	598.7	596.1	593.5
132.5°	635.3	636.1	636.0	636.0	635.9	635.8	634.7	632.6	630.5	628.4	626.3
135°	681.4	681.6	681.3	680.8	680.5	680.1	678.8	676.6	674.4	672.3	670.1
137.5°	726.4	726.5	726.0	725.5	725.0	724.4	723.3	721.5	719.7	717.9	716.2
140°	756.4	756.4	755.5	754.4	753.4	752.4	751.1	749.3	747.5	745.7	744.0
142.5°	783.6	783.5	782.7	782.1	781.4	780.8	779.5	777.8	776.0	774.2	772.4
145°	825.1	824.9	823.8	822.5	821.4	820.2	818.9	817.5	816.1	814.8	813.3
147.5°	861.3	860.9	860.1	859.3	858.5	857.7	856.5	854.8	853.2	851.5	849.8
150°	884.2	883.7	882.9	882.1	881.3	880.5	879.5	878.3	877.1	875.9	874.8
152.5°	907.2	906.4	905.4	904.6	903.6	902.7	901.6	900.4	899.2	898.0	896.8
155°	936.3	935.2	934.7	934.1	933.5	932.9	932.3	931.7	931.1	930.5	930.0
157.5°	963.0	961.6	961.3	960.9	960.6	960.2	959.8	959.4	959.0	958.6	958.2
160°	979.2	977.9	977.8	977.6	977.4	977.2	976.9	976.5	976.1	975.7	975.4
162.5°	993.5	992.2	992.0	991.8	991.7	991.4	991.3	991.2	991.1	991.0	991.0
165°	1012.3	1010.9	1010.9	1010.9	1010.9	1010.9	1011.0	1011.2	1011.4	1011.6	1011.8
167.5°	1027.8	1026.4	1026.4	1026.4	1026.5	1026.5	1026.9	1027.4	1028.1	1028.7	1029.2
170°	1036.3	1034.9	1035.1	1035.4	1035.5	1035.7	1036.1	1036.7	1037.3	1037.9	1038.5
172.5°	1042.8	1041.3	1041.5	1041.7	1042.0	1042.1	1042.5	1043.1	1043.7	1044.3	1044.9
175°	1049.6	1048.3	1048.7	1049.1	1049.5	1049.9	1050.3	1051.0	1051.5	1052.1	1052.8
177.5°	1053.3	1052.4	1052.7	1053.0	1053.3	1053.6	1054.0	1054.5	1055.0	1055.4	1056.0
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



TEST NUMBER: P331358-940

CATALOG NUMBER: SA2XXDIP-C675D925U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1190.6	1192.5	1198.3	1204.1	1210.7	1212.5	1215.4	1212.8	1212.1	1219.1	1224.1
5°	1194.0	1202.2	1218.2	1232.7	1245.0	1253.7	1262.8	1266.4	1273.2	1282.7	1294.6
7.5°	1190.2	1206.1	1231.2	1252.3	1275.5	1292.2	1305.2	1316.3	1329.7	1347.8	1367.6
10°	1185.8	1207.2	1237.7	1263.6	1291.8	1313.2	1331.1	1348.3	1368.3	1393.4	1419.3
12.5°	1177.8	1203.2	1241.4	1272.0	1308.2	1329.3	1353.3	1390.5	1412.0	1446.9	1483.5
15°	1161.7	1189.9	1243.1	1280.9	1321.9	1362.0	1406.1	1441.6	1477.1	1497.6	1549.1
17.5°	1137.7	1179.2	1238.1	1282.2	1334.3	1397.4	1447.0	1487.2	1528.2	1561.5	1587.2
20°	1118.5	1163.5	1230.8	1283.7	1345.6	1413.4	1470.3	1511.3	1546.8	1574.6	1590.5
22.5°	1094.0	1150.8	1216.3	1278.2	1357.3	1424.3	1484.2	1516.4	1546.0	1559.6	1565.8
25°	1055.6	1123.9	1198.1	1273.6	1362.9	1433.9	1488.5	1508.1	1516.7	1503.5	1481.7
27.5°	1014.2	1090.3	1177.1	1265.1	1359.4	1427.7	1466.9	1463.7	1449.1	1406.4	1372.3
30°	983.2	1067.0	1160.3	1256.3	1351.0	1417.5	1440.3	1417.5	1384.3	1336.5	1287.8
32.5°	950.8	1037.5	1142.5	1243.9	1335.8	1394.2	1399.1	1359.9	1308.5	1254.2	1193.5
35°	901.8	995.5	1108.8	1216.3	1303.2	1340.2	1318.3	1249.1	1188.1	1113.9	1031.0
37.5°	846.3	949.9	1063.5	1175.8	1254.5	1264.2	1210.0	1137.1	1051.1	963.9	866.4
40°	804.8	914.5	1031.5	1144.9	1214.5	1204.4	1135.2	1055.2	952.7	846.2	755.6
42.5°	767.7	877.4	996.5	1107.7	1163.5	1136.0	1055.2	956.8	846.8	746.5	663.5
45°	703.3	816.2	938.2	1045.6	1077.5	1027.9	920.9	811.6	703.3	619.6	554.0
47.5°	640.9	752.4	873.3	967.7	978.9	912.2	795.3	682.9	589.8	521.6	475.3
50°	594.9	706.9	826.6	910.9	907.2	826.6	706.5	599.5	521.7	466.5	435.6
52.5°	553.8	659.6	774.5	851.1	831.9	744.0	629.3	534.3	470.3	427.2	399.2
55°	489.8	587.6	696.9	758.4	722.8	625.4	528.5	452.0	404.7	372.4	350.5
57.5°	426.2	518.0	611.5	649.4	610.2	520.2	439.3	383.9	348.3	324.4	310.1
60°	386.9	467.1	550.4	583.1	536.2	456.1	392.4	342.8	314.1	294.5	281.8
62.5°	347.6	419.4	497.9	515.8	472.9	405.1	348.7	307.5	283.8	266.4	254.5
65°	294.1	352.8	412.4	424.3	384.7	332.3	287.7	260.8	239.9	227.1	217.6
67.5°	241.2	288.3	330.6	340.1	305.4	269.1	236.9	213.5	199.3	188.7	180.7
70°	209.8	247.2	281.8	289.5	261.7	229.4	204.8	186.2	173.4	164.3	156.6
72.5°	176.7	207.9	236.6	241.8	219.1	194.5	174.2	159.6	148.3	142.5	135.1
75°	135.2	153.4	175.7	177.1	162.0	147.0	131.5	122.0	116.1	108.8	105.1
77.5°	95.4	109.7	122.4	124.9	116.0	105.8	97.1	89.6	84.5	81.2	77.8
80°	72.9	84.2	89.7	92.8	86.5	79.2	74.2	69.2	66.0	63.8	61.4
82.5°	52.1	59.1	64.2	66.6	63.2	58.9	53.8	51.0	48.5	46.6	45.8
85°	26.4	29.6	32.8	33.7	32.8	30.9	28.2	28.2	26.8	26.4	26.4
87.5°	9.7	11.7	12.1	13.7	13.6	14.5	15.4	16.0	16.4	16.0	15.5
90°	3.3	5.6	8.0	10.3	13.7	18.1	22.5	26.8	31.1	30.8	30.3
92.5°	17.6	19.4	21.0	22.8	24.2	25.2	26.2	27.3	28.3	28.4	28.4
95°	48.2	50.2	52.2	54.2	55.4	55.7	56.2	56.5	57.0	57.0	57.0
97.5°	86.3	88.0	89.8	91.5	92.7	93.5	94.3	95.0	95.8	95.8	95.8
100°	114.6	116.2	117.8	119.3	120.5	121.0	121.6	122.3	122.8	122.8	122.8
102.5°	144.2	145.4	146.7	147.9	149.0	149.7	150.5	151.2	152.0	152.1	152.3
105°	191.9	192.5	193.1	193.7	194.2	194.6	195.0	195.4	195.7	196.2	196.5
107.5°	240.9	241.8	242.7	243.6	244.0	244.0	244.0	244.0	244.0	244.2	244.3
110°	272.6	273.8	275.0	276.2	276.8	276.8	276.8	276.8	276.8	276.8	276.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.7	308.0	309.2	310.3	310.9	310.7	310.5	310.4	310.2	309.8	309.2
115°	357.1	358.3	359.5	360.7	361.1	360.7	360.3	359.9	359.5	359.4	359.1
117.5°	407.7	409.3	410.9	412.5	412.7	411.6	410.5	409.4	408.3	407.8	407.3
120°	441.2	442.7	444.3	445.9	445.9	444.3	442.7	441.2	439.6	439.6	439.6
122.5°	472.1	474.0	475.9	477.8	478.2	477.1	476.0	474.9	473.8	473.3	472.8
125°	519.7	521.5	523.3	525.0	525.7	525.0	524.4	523.9	523.3	522.6	522.1
127.5°	566.6	568.9	571.1	573.4	574.2	573.5	572.7	572.0	571.3	570.6	569.9
130°	596.1	598.7	601.3	603.9	604.9	604.5	604.1	603.8	603.3	603.0	602.5
132.5°	628.4	630.5	632.6	634.7	635.8	635.9	636.0	636.0	636.1	635.3	634.4
135°	672.3	674.4	676.6	678.8	680.1	680.5	680.8	681.3	681.6	681.4	681.3
137.5°	717.9	719.7	721.5	723.3	724.4	725.0	725.5	726.0	726.5	726.4	726.2
140°	745.7	747.5	749.3	751.1	752.4	753.4	754.4	755.5	756.4	756.4	756.4
142.5°	774.2	776.0	777.8	779.5	780.8	781.4	782.1	782.7	783.5	783.6	783.8
145°	814.8	816.1	817.5	818.9	820.2	821.4	822.5	823.8	824.9	825.1	825.3
147.5°	851.5	853.2	854.8	856.5	857.7	858.5	859.3	860.1	860.9	861.3	861.7
150°	875.9	877.1	878.3	879.5	880.5	881.3	882.1	882.9	883.7	884.2	884.8
152.5°	898.0	899.2	900.4	901.6	902.7	903.6	904.6	905.4	906.4	907.2	907.9
155°	930.5	931.1	931.7	932.3	932.9	933.5	934.1	934.7	935.2	936.3	937.3
157.5°	958.6	959.0	959.4	959.8	960.2	960.6	960.9	961.3	961.6	963.0	964.3
160°	975.7	976.1	976.5	976.9	977.2	977.4	977.6	977.8	977.9	979.2	980.3
162.5°	991.0	991.1	991.2	991.3	991.4	991.7	991.8	992.0	992.2	993.5	994.9
165°	1011.6	1011.4	1011.2	1011.0	1010.9	1010.9	1010.9	1010.9	1010.9	1012.3	1013.7
167.5°	1028.7	1028.1	1027.4	1026.9	1026.5	1026.5	1026.4	1026.4	1026.4	1027.8	1029.1
170°	1037.9	1037.3	1036.7	1036.1	1035.7	1035.5	1035.4	1035.1	1034.9	1036.3	1037.7
172.5°	1044.3	1043.7	1043.1	1042.5	1042.1	1042.0	1041.7	1041.5	1041.3	1042.8	1044.1
175°	1052.1	1051.5	1051.0	1050.3	1049.9	1049.5	1049.1	1048.7	1048.3	1049.6	1051.1
177.5°	1055.4	1055.0	1054.5	1054.0	1053.6	1053.3	1053.0	1052.7	1052.4	1053.3	1054.3
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1228.5	1233.6	1233.6	1234.3	1240.2	1239.4	1239.0
5°	1307.3	1315.1	1316.0	1324.2	1329.6	1327.8	1322.9
7.5°	1381.7	1396.2	1407.0	1413.1	1420.3	1424.8	1422.8
10°	1440.7	1461.7	1474.4	1483.1	1493.5	1501.3	1498.5
12.5°	1494.2	1519.2	1536.7	1551.5	1552.9	1562.8	1556.0
15°	1577.7	1604.1	1606.9	1617.8	1626.5	1625.5	1625.9
17.5°	1605.3	1613.8	1615.5	1615.8	1615.9	1612.7	1605.8
20°	1595.4	1592.3	1584.6	1578.7	1568.2	1566.8	1557.7
22.5°	1548.9	1538.7	1519.4	1506.5	1490.2	1485.9	1483.5
25°	1457.1	1434.8	1403.8	1374.2	1366.1	1350.1	1354.7
27.5°	1331.2	1296.5	1262.9	1238.9	1217.1	1193.3	1200.1
30°	1242.7	1203.5	1156.2	1119.8	1096.6	1073.8	1069.7
32.5°	1137.1	1079.8	1026.9	994.9	959.3	944.9	929.2
35°	955.0	899.0	846.7	801.6	775.7	755.6	737.4
37.5°	791.2	726.7	684.6	648.0	629.3	617.8	620.7
40°	689.6	633.2	602.3	574.4	557.1	548.9	550.8
42.5°	607.3	565.1	539.6	520.6	508.4	503.8	502.7
45°	513.9	490.3	469.3	458.4	452.5	447.5	444.3
47.5°	450.2	430.9	419.1	412.6	407.4	402.3	402.3
50°	412.0	399.2	391.0	384.1	380.1	376.5	379.6
52.5°	382.8	371.1	363.0	356.9	355.3	352.0	352.0
55°	339.6	330.5	324.6	319.1	316.4	314.5	312.3
57.5°	300.2	291.6	286.1	282.7	277.5	275.6	274.9
60°	272.2	265.4	259.9	255.4	253.1	249.4	249.4
62.5°	246.4	239.5	234.4	231.0	227.2	225.8	226.1
65°	208.9	203.5	198.5	194.8	193.9	191.2	192.1
67.5°	174.5	170.9	165.6	163.6	161.8	160.4	159.3
70°	151.6	147.9	145.2	142.5	141.1	141.1	141.1
72.5°	132.2	127.9	126.3	122.8	123.6	122.2	120.7
75°	102.5	99.7	98.4	96.9	94.7	94.7	94.7
77.5°	75.3	74.5	72.9	71.4	70.9	70.4	70.6
80°	58.2	57.8	56.9	56.9	56.0	55.6	54.7
82.5°	44.8	43.6	43.1	42.7	42.5	42.4	42.3
85°	25.5	24.6	24.6	25.1	24.2	24.2	24.6
87.5°	15.8	15.8	15.3	15.4	15.8	15.5	15.5
90°	30.0	29.6	29.4	29.7	29.9	30.1	30.2
92.5°	28.5	28.6	28.7	28.7	28.7	28.8	28.8
95°	57.0	57.0	56.7	56.4	56.0	55.6	55.2
97.5°	95.8	95.8	95.8	95.7	95.7	95.6	95.6
100°	122.8	122.8	122.7	122.5	122.3	122.1	121.9
102.5°	152.5	152.7	152.6	152.4	152.2	152.0	151.9
105°	197.0	197.3	197.5	197.5	197.5	197.5	197.5
107.5°	244.5	244.6	244.2	243.3	242.5	241.6	240.6
110°	276.8	276.8	276.4	275.9	275.3	274.6	274.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	308.8	308.4	307.8	307.5	307.0	306.6	306.1
115°	358.9	358.7	358.3	357.8	357.1	356.5	356.0
117.5°	406.9	406.4	405.8	405.3	404.7	404.0	403.5
120°	439.6	439.6	439.3	438.7	438.1	437.6	436.9
122.5°	472.3	471.9	471.4	471.0	470.6	470.1	469.7
125°	521.5	520.8	520.5	520.3	520.0	519.9	519.7
127.5°	569.2	568.5	567.8	567.1	566.5	565.9	565.3
130°	602.2	601.7	601.2	600.4	599.6	598.8	598.0
132.5°	633.5	632.6	631.9	631.2	630.6	630.0	629.4
135°	681.1	680.8	680.5	679.8	679.3	678.7	678.1
137.5°	726.0	725.9	725.4	724.6	723.8	723.0	722.2
140°	756.4	756.4	756.0	755.2	754.4	753.7	752.9
142.5°	783.9	784.1	783.8	783.0	782.2	781.4	780.6
145°	825.5	825.7	825.5	824.7	823.9	823.0	822.2
147.5°	862.2	862.6	862.5	861.7	860.9	860.2	859.4
150°	885.5	886.0	886.0	885.5	884.8	884.2	883.7
152.5°	908.7	909.5	909.5	908.7	907.9	907.2	906.4
155°	938.3	939.2	939.4	938.8	938.3	937.6	937.0
157.5°	965.6	967.0	967.1	966.3	965.3	964.3	963.4
160°	981.5	982.8	982.9	982.1	981.3	980.5	979.7
162.5°	996.2	997.6	997.8	996.8	995.9	995.0	994.0
165°	1015.0	1016.5	1016.6	1015.7	1014.7	1013.7	1012.7
167.5°	1030.6	1031.9	1032.1	1031.1	1030.0	1029.0	1028.0
170°	1039.1	1040.4	1040.5	1039.4	1038.2	1037.0	1035.8
172.5°	1045.5	1046.9	1047.0	1045.8	1044.6	1043.4	1042.2
175°	1052.4	1053.8	1053.9	1052.8	1051.5	1050.3	1049.2
177.5°	1055.3	1056.1	1056.1	1055.3	1054.3	1053.3	1052.4
180°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5

(END OF REPORT)