

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: P332553

Luminaire Tested: **SA4XXDIP-C575D810U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332553
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C575D810U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

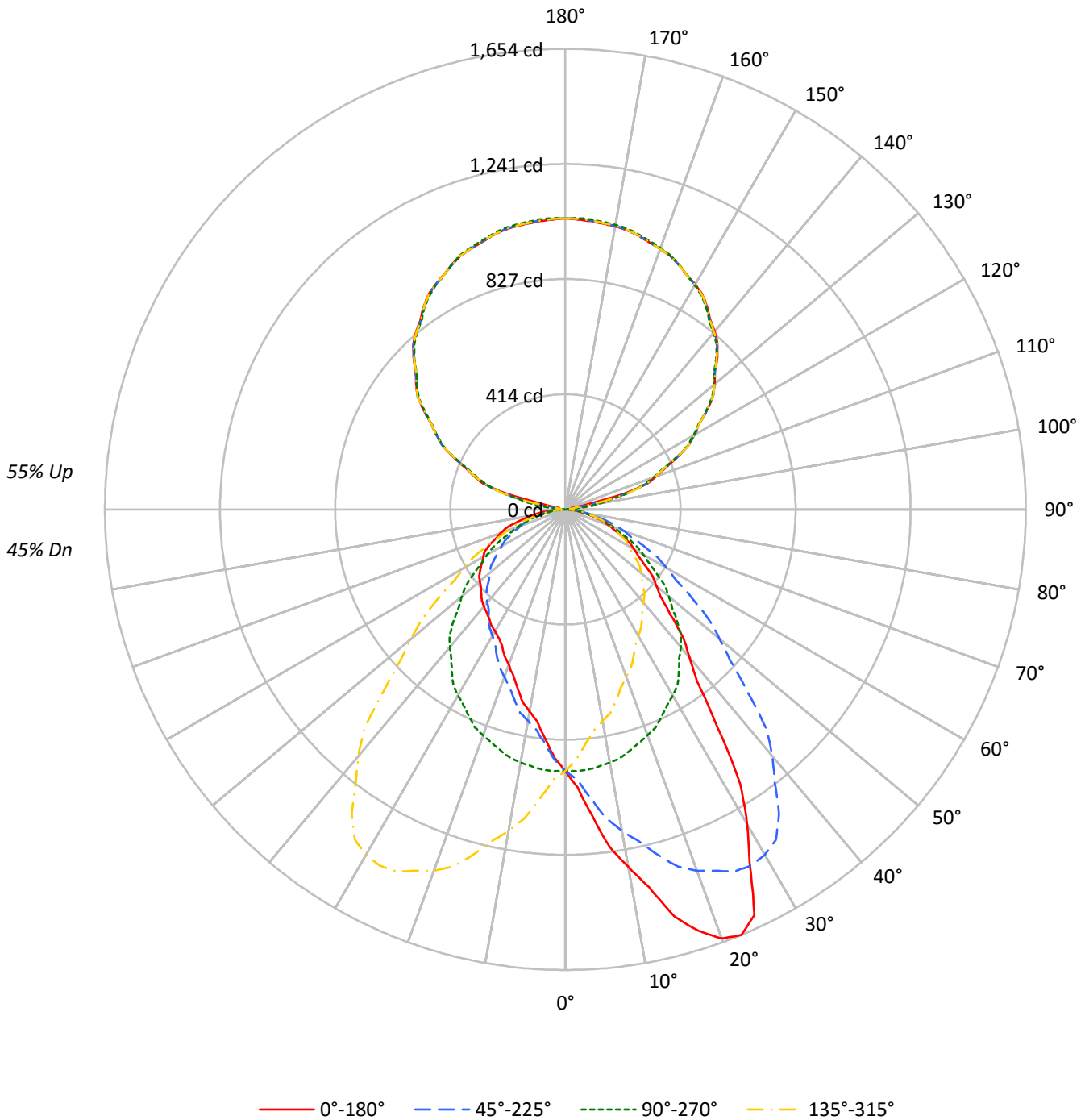
Lumens per Lamp: N/A
Luminaire Lumens: 5828.1 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 38.4
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



TEST NUMBER: P332553
CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

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	45
1	97	93	89	85	88	85	82	79	71	68	66	58	56	55	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	59	74	66	59	54	55	50	47	45	42	39	36	34	32	27
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	27	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15
9	50	38	30	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.6
10°-20°	282.0	4.8
20°-30°	447.2	7.7
30°-40°	497.7	8.5
40°-50°	453.1	7.8
50°-60°	370.2	6.4
60°-70°	264.3	4.5
70°-80°	145.5	2.5
80°-90°	42.8	0.7
90°-100°	35.8	0.6
100°-110°	228.0	3.9
110°-120°	436.1	7.5
120°-130°	553.6	9.5
130°-140°	592.3	10.2
140°-150°	553.9	9.5
150°-160°	446.7	7.7
160°-170°	288.1	4.9
170°-180°	99.3	1.7
0°-30°	820.8	14.1
0°-40°	1318.5	22.6
0°-60°	2141.8	36.7
0°-90°	2594.4	44.5
90°-120°	699.8	12.0
90°-150°	2399.6	41.2
90°-180°	3234.0	55.5
0°-180°	5828.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	24	2	24	2	24	11
95°	23	43	23	43	23	18
105°	223	235	223	235	223	194
115°	443	439	443	439	443	438
125°	622	618	622	618	622	554
135°	772	766	772	766	772	594
145°	888	884	888	884	888	555
155°	968	969	968	969	968	446
165°	1017	1022	1017	1022	1017	287
175°	1039	1045	1039	1045	1039	99
180°	1045	1045	1045	1045	1045	



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	11.5	12.4	12.3	12.6	13.1	13.3	13.4	12.9	13.9	14.0	15.0
90°	23.5	23.1	22.8	22.4	22.1	21.4	20.3	19.3	18.2	17.2	15.8
92.5°	21.6	21.5	21.4	21.4	21.3	20.7	19.7	18.7	17.6	16.6	15.2
95°	22.7	22.5	22.3	22.2	22.0	21.4	20.3	19.3	18.2	17.2	17.0
97.5°	21.9	21.7	21.5	21.4	21.2	21.1	21.0	20.9	20.7	20.6	40.0
100°	21.9	21.7	21.5	21.4	21.2	22.6	25.5	28.5	31.4	34.4	58.4
102.5°	22.5	22.5	22.4	22.4	22.4	38.3	70.2	102.0	133.9	165.8	168.9
105°	222.8	229.1	235.3	241.6	247.9	250.2	248.6	247.1	245.5	243.9	243.1
107.5°	310.6	309.9	309.2	308.6	307.9	307.2	306.4	305.7	304.9	304.2	303.0
110°	348.7	348.2	347.7	347.2	346.6	346.2	345.9	345.5	345.2	344.8	343.8



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	386.9	386.2	385.6	384.9	384.2	383.9	384.0	384.1	384.2	384.2	383.7
115°	442.6	442.6	442.6	442.6	442.6	442.4	442.0	441.7	441.3	441.0	441.2
117.5°	499.2	499.2	499.3	499.4	499.4	499.5	499.6	499.6	499.7	499.8	499.4
120°	534.8	535.2	535.5	535.9	536.2	536.2	535.9	535.5	535.2	534.8	535.0
122.5°	569.8	570.2	570.5	570.9	571.2	571.3	571.1	570.9	570.7	570.5	570.2
125°	622.4	622.2	622.0	621.9	621.7	621.3	620.8	620.3	619.8	619.3	619.6
127.5°	668.5	668.7	668.8	668.9	669.1	669.2	669.3	669.4	669.5	669.6	668.8
130°	699.8	699.8	699.8	699.8	699.8	699.7	699.5	699.4	699.2	699.0	698.5
132.5°	728.6	728.7	728.8	729.0	729.1	729.1	728.9	728.8	728.6	728.4	727.7
135°	771.7	771.4	771.0	770.7	770.3	770.0	769.6	769.3	768.9	768.6	767.9
137.5°	808.6	808.7	808.8	808.9	809.0	808.9	808.5	808.1	807.8	807.4	806.6
140°	834.3	834.1	833.9	833.8	833.6	833.2	832.7	832.2	831.7	831.1	830.8
142.5°	855.5	855.5	855.5	855.4	855.4	855.2	854.8	854.4	854.1	853.7	853.5
145°	888.2	887.9	887.5	887.2	886.8	886.6	886.4	886.2	886.1	885.9	885.9
147.5°	915.3	915.1	914.9	914.8	914.6	914.4	914.3	914.2	914.0	913.9	914.0
150°	932.8	932.6	932.4	932.3	932.1	932.0	932.0	932.0	932.0	932.0	932.2
152.5°	947.8	947.9	948.0	948.1	948.2	948.1	947.9	947.6	947.3	947.0	947.3
155°	968.0	968.5	969.0	969.5	970.1	970.0	969.3	968.6	967.9	967.2	967.7
157.5°	984.9	985.8	986.7	987.6	988.5	988.5	987.6	986.7	985.8	984.9	985.5
160°	996.1	997.2	998.2	999.3	1000.3	1000.3	999.3	998.2	997.2	996.1	996.3
162.5°	1004.9	1006.1	1007.2	1008.4	1009.6	1009.7	1008.6	1007.6	1006.6	1005.5	1005.7
165°	1017.2	1018.8	1020.4	1021.9	1023.5	1023.6	1022.2	1020.8	1019.4	1018.0	1018.0
167.5°	1026.5	1028.2	1029.9	1031.7	1033.4	1033.5	1032.0	1030.5	1028.9	1027.4	1027.5
170°	1032.1	1033.8	1035.6	1037.3	1039.0	1039.2	1037.8	1036.4	1035.0	1033.7	1033.5
172.5°	1035.2	1037.1	1039.0	1040.9	1042.7	1043.0	1041.6	1040.2	1038.8	1037.4	1037.2
175°	1039.1	1041.2	1043.3	1045.4	1047.5	1047.7	1046.2	1044.6	1043.0	1041.5	1041.3
177.5°	1041.6	1043.3	1045.0	1046.6	1048.3	1048.6	1047.5	1046.4	1045.2	1044.1	1043.9
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	14.7	14.7	14.2	12.6	11.3	9.9	9.3	8.6	9.3	9.9	10.6
90°	14.4	13.0	11.6	10.0	8.1	6.2	4.3	2.3	4.3	6.2	8.1
92.5°	13.8	12.4	11.0	10.3	10.2	10.1	10.0	9.9	10.0	10.1	10.2
95°	16.9	16.7	16.5	19.4	25.3	31.2	37.1	43.0	37.1	31.2	25.3
97.5°	59.4	78.8	98.2	106.1	102.4	98.7	95.0	91.3	95.0	98.7	102.4
100°	82.4	106.3	130.3	140.7	137.6	134.5	131.4	128.2	131.4	134.5	137.6
102.5°	172.0	175.1	178.3	178.7	176.4	174.1	171.8	169.5	171.8	174.1	176.4
105°	242.2	241.3	240.5	239.5	238.5	237.4	236.4	235.3	236.4	237.4	238.5
107.5°	301.8	300.6	299.4	298.6	298.1	297.5	297.0	296.5	297.0	297.5	298.1
110°	342.7	341.7	340.6	339.9	339.3	338.8	338.3	337.8	338.3	338.8	339.3



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	383.2	382.8	382.3	381.6	380.6	379.7	378.7	377.8	378.7	379.7	380.6
115°	441.3	441.5	441.7	441.5	441.0	440.5	439.9	439.4	439.9	440.5	441.0
117.5°	499.0	498.6	498.3	497.7	497.0	496.3	495.6	494.9	495.6	496.3	497.0
120°	535.2	535.3	535.5	535.2	534.6	533.9	533.2	532.5	533.2	533.9	534.6
122.5°	570.0	569.7	569.5	569.2	568.7	568.3	567.9	567.5	567.9	568.3	568.7
125°	620.0	620.3	620.6	620.5	619.8	619.1	618.4	617.7	618.4	619.1	619.8
127.5°	668.0	667.2	666.4	665.9	665.8	665.6	665.4	665.2	665.4	665.6	665.8
130°	698.0	697.4	696.9	696.6	696.4	696.2	696.1	695.9	696.1	696.2	696.4
132.5°	727.1	726.4	725.8	725.3	725.0	724.7	724.3	724.0	724.3	724.7	725.0
135°	767.2	766.5	765.8	765.6	765.7	765.9	766.1	766.3	766.1	765.9	765.7
137.5°	805.9	805.1	804.3	803.9	803.8	803.8	803.7	803.6	803.7	803.8	803.8
140°	830.5	830.1	829.8	829.4	829.1	828.7	828.4	828.0	828.4	828.7	829.1
142.5°	853.3	853.0	852.8	852.4	851.8	851.2	850.5	849.9	850.5	851.2	851.8
145°	885.9	885.9	885.9	885.6	885.1	884.6	884.1	883.5	884.1	884.6	885.1
147.5°	914.2	914.4	914.6	914.2	913.2	912.2	911.3	910.3	911.3	912.2	913.2
150°	932.4	932.5	932.7	932.4	931.8	931.1	930.4	929.7	930.4	931.1	931.8
152.5°	947.7	948.0	948.3	948.2	947.6	947.0	946.5	945.9	946.5	947.0	947.6
155°	968.2	968.8	969.3	969.5	969.3	969.1	968.9	968.8	968.9	969.1	969.3
157.5°	986.1	986.6	987.2	987.6	987.7	987.8	987.9	988.0	987.9	987.8	987.7
160°	996.5	996.7	996.8	997.2	997.7	998.2	998.7	999.3	998.7	998.2	997.7
162.5°	1005.9	1006.0	1006.2	1006.6	1007.3	1007.9	1008.6	1009.3	1008.6	1007.9	1007.3
165°	1018.0	1018.0	1018.0	1018.5	1019.3	1020.2	1021.1	1021.9	1021.1	1020.2	1019.3
167.5°	1027.6	1027.7	1027.8	1028.3	1029.2	1030.1	1031.0	1031.9	1031.0	1030.1	1029.2
170°	1033.3	1033.1	1033.0	1033.4	1034.4	1035.5	1036.5	1037.6	1036.5	1035.5	1034.4
172.5°	1037.1	1036.9	1036.7	1037.2	1038.2	1039.2	1040.3	1041.3	1040.3	1039.2	1038.2
175°	1041.1	1041.0	1040.8	1041.2	1042.3	1043.3	1044.3	1045.4	1044.3	1043.3	1042.3
177.5°	1043.6	1043.3	1043.0	1043.4	1044.3	1045.3	1046.3	1047.3	1046.3	1045.3	1044.3
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	12.0	12.3	13.8	14.7	15.9	17.8	18.6	22.2	23.7	25.4	28.4
90°	10.0	11.6	13.0	14.4	15.8	17.2	18.2	19.3	20.3	21.4	22.1
92.5°	10.3	11.0	12.4	13.8	15.2	16.6	17.6	18.7	19.7	20.7	21.3
95°	19.4	16.5	16.7	16.9	17.0	17.2	18.2	19.3	20.3	21.4	22.0
97.5°	106.1	98.2	78.8	59.4	40.0	20.6	20.7	20.9	21.0	21.1	21.2
100°	140.7	130.3	106.3	82.4	58.4	34.4	31.4	28.5	25.5	22.6	21.2
102.5°	178.7	178.3	175.1	172.0	168.9	165.8	133.9	102.0	70.2	38.3	22.4
105°	239.5	240.5	241.3	242.2	243.1	243.9	245.5	247.1	248.6	250.2	247.9
107.5°	298.6	299.4	300.6	301.8	303.0	304.2	304.9	305.7	306.4	307.2	307.9
110°	339.9	340.6	341.7	342.7	343.8	344.8	345.2	345.5	345.9	346.2	346.6



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	381.6	382.3	382.8	383.2	383.7	384.2	384.2	384.1	384.0	383.9	384.2
115°	441.5	441.7	441.5	441.3	441.2	441.0	441.3	441.7	442.0	442.4	442.6
117.5°	497.7	498.3	498.6	499.0	499.4	499.8	499.7	499.6	499.6	499.5	499.4
120°	535.2	535.5	535.3	535.2	535.0	534.8	535.2	535.5	535.9	536.2	536.2
122.5°	569.2	569.5	569.7	570.0	570.2	570.5	570.7	570.9	571.1	571.3	571.2
125°	620.5	620.6	620.3	620.0	619.6	619.3	619.8	620.3	620.8	621.3	621.7
127.5°	665.9	666.4	667.2	668.0	668.8	669.6	669.5	669.4	669.3	669.2	669.1
130°	696.6	696.9	697.4	698.0	698.5	699.0	699.2	699.4	699.5	699.7	699.8
132.5°	725.3	725.8	726.4	727.1	727.7	728.4	728.6	728.8	728.9	729.1	729.1
135°	765.6	765.8	766.5	767.2	767.9	768.6	768.9	769.3	769.6	770.0	770.3
137.5°	803.9	804.3	805.1	805.9	806.6	807.4	807.8	808.1	808.5	808.9	809.0
140°	829.4	829.8	830.1	830.5	830.8	831.1	831.7	832.2	832.7	833.2	833.6
142.5°	852.4	852.8	853.0	853.3	853.5	853.7	854.1	854.4	854.8	855.2	855.4
145°	885.6	885.9	885.9	885.9	885.9	885.9	886.1	886.2	886.4	886.6	886.8
147.5°	914.2	914.6	914.4	914.2	914.0	913.9	914.0	914.2	914.3	914.4	914.6
150°	932.4	932.7	932.5	932.4	932.2	932.0	932.0	932.0	932.0	932.0	932.1
152.5°	948.2	948.3	948.0	947.7	947.3	947.0	947.3	947.6	947.9	948.1	948.2
155°	969.5	969.3	968.8	968.2	967.7	967.2	967.9	968.6	969.3	970.0	970.1
157.5°	987.6	987.2	986.6	986.1	985.5	984.9	985.8	986.7	987.6	988.5	988.5
160°	997.2	996.8	996.7	996.5	996.3	996.1	997.2	998.2	999.3	1000.3	1000.3
162.5°	1006.6	1006.2	1006.0	1005.9	1005.7	1005.5	1006.6	1007.6	1008.6	1009.7	1009.6
165°	1018.5	1018.0	1018.0	1018.0	1018.0	1018.0	1019.4	1020.8	1022.2	1023.6	1023.5
167.5°	1028.3	1027.8	1027.7	1027.6	1027.5	1027.4	1028.9	1030.5	1032.0	1033.5	1033.4
170°	1033.4	1033.0	1033.1	1033.3	1033.5	1033.7	1035.0	1036.4	1037.8	1039.2	1039.0
172.5°	1037.2	1036.7	1036.9	1037.1	1037.2	1037.4	1038.8	1040.2	1041.6	1043.0	1042.7
175°	1041.2	1040.8	1041.0	1041.1	1041.3	1041.5	1043.0	1044.6	1046.2	1047.7	1047.5
177.5°	1043.4	1043.0	1043.3	1043.6	1043.9	1044.1	1045.2	1046.4	1047.5	1048.6	1048.3
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	29.4	29.8	30.8	31.5	30.8	29.8	29.4	28.4	25.4	23.7	22.2
90°	22.4	22.8	23.1	23.5	23.1	22.8	22.4	22.1	21.4	20.3	19.3
92.5°	21.4	21.4	21.5	21.6	21.5	21.4	21.4	21.3	20.7	19.7	18.7
95°	22.2	22.3	22.5	22.7	22.5	22.3	22.2	22.0	21.4	20.3	19.3
97.5°	21.4	21.5	21.7	21.9	21.7	21.5	21.4	21.2	21.1	21.0	20.9
100°	21.4	21.5	21.7	21.9	21.7	21.5	21.4	21.2	22.6	25.5	28.5
102.5°	22.4	22.4	22.5	22.5	22.5	22.4	22.4	22.4	38.3	70.2	102.0
105°	241.6	235.3	229.1	222.8	229.1	235.3	241.6	247.9	250.2	248.6	247.1
107.5°	308.6	309.2	309.9	310.6	309.9	309.2	308.6	307.9	307.2	306.4	305.7
110°	347.2	347.7	348.2	348.7	348.2	347.7	347.2	346.6	346.2	345.9	345.5



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	384.9	385.6	386.2	386.9	386.2	385.6	384.9	384.2	383.9	384.0	384.1
115°	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.4	442.0	441.7
117.5°	499.4	499.3	499.2	499.2	499.2	499.3	499.4	499.4	499.5	499.6	499.6
120°	535.9	535.5	535.2	534.8	535.2	535.5	535.9	536.2	536.2	535.9	535.5
122.5°	570.9	570.5	570.2	569.8	570.2	570.5	570.9	571.2	571.3	571.1	570.9
125°	621.9	622.0	622.2	622.4	622.2	622.0	621.9	621.7	621.3	620.8	620.3
127.5°	668.9	668.8	668.7	668.5	668.7	668.8	668.9	669.1	669.2	669.3	669.4
130°	699.8	699.8	699.8	699.8	699.8	699.8	699.8	699.8	699.7	699.5	699.4
132.5°	729.0	728.8	728.7	728.6	728.7	728.8	729.0	729.1	729.1	728.9	728.8
135°	770.7	771.0	771.4	771.7	771.4	771.0	770.7	770.3	770.0	769.6	769.3
137.5°	808.9	808.8	808.7	808.6	808.7	808.8	808.9	809.0	808.9	808.5	808.1
140°	833.8	833.9	834.1	834.3	834.1	833.9	833.8	833.6	833.2	832.7	832.2
142.5°	855.4	855.5	855.5	855.5	855.5	855.5	855.4	855.4	855.2	854.8	854.4
145°	887.2	887.5	887.9	888.2	887.9	887.5	887.2	886.8	886.6	886.4	886.2
147.5°	914.8	914.9	915.1	915.3	915.1	914.9	914.8	914.6	914.4	914.3	914.2
150°	932.3	932.4	932.6	932.8	932.6	932.4	932.3	932.1	932.0	932.0	932.0
152.5°	948.1	948.0	947.9	947.8	947.9	948.0	948.1	948.2	948.1	947.9	947.6
155°	969.5	969.0	968.5	968.0	968.5	969.0	969.5	970.1	970.0	969.3	968.6
157.5°	987.6	986.7	985.8	984.9	985.8	986.7	987.6	988.5	988.5	987.6	986.7
160°	999.3	998.2	997.2	996.1	997.2	998.2	999.3	1000.3	1000.3	999.3	998.2
162.5°	1008.4	1007.2	1006.1	1004.9	1006.1	1007.2	1008.4	1009.6	1009.7	1008.6	1007.6
165°	1021.9	1020.4	1018.8	1017.2	1018.8	1020.4	1021.9	1023.5	1023.6	1022.2	1020.8
167.5°	1031.7	1029.9	1028.2	1026.5	1028.2	1029.9	1031.7	1033.4	1033.5	1032.0	1030.5
170°	1037.3	1035.6	1033.8	1032.1	1033.8	1035.6	1037.3	1039.0	1039.2	1037.8	1036.4
172.5°	1040.9	1039.0	1037.1	1035.2	1037.1	1039.0	1040.9	1042.7	1043.0	1041.6	1040.2
175°	1045.4	1043.3	1041.2	1039.1	1041.2	1043.3	1045.4	1047.5	1047.7	1046.2	1044.6
177.5°	1046.6	1045.0	1043.3	1041.6	1043.3	1045.0	1046.6	1048.3	1048.6	1047.5	1046.4
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	18.6	17.8	15.9	14.7	13.8	12.3	12.0	10.6	9.9	9.3	8.6
90°	18.2	17.2	15.8	14.4	13.0	11.6	10.0	8.1	6.2	4.3	2.3
92.5°	17.6	16.6	15.2	13.8	12.4	11.0	10.3	10.2	10.1	10.0	9.9
95°	18.2	17.2	17.0	16.9	16.7	16.5	19.4	25.3	31.2	37.1	43.0
97.5°	20.7	20.6	40.0	59.4	78.8	98.2	106.1	102.4	98.7	95.0	91.3
100°	31.4	34.4	58.4	82.4	106.3	130.3	140.7	137.6	134.5	131.4	128.2
102.5°	133.9	165.8	168.9	172.0	175.1	178.3	178.7	176.4	174.1	171.8	169.5
105°	245.5	243.9	243.1	242.2	241.3	240.5	239.5	238.5	237.4	236.4	235.3
107.5°	304.9	304.2	303.0	301.8	300.6	299.4	298.6	298.1	297.5	297.0	296.5
110°	345.2	344.8	343.8	342.7	341.7	340.6	339.9	339.3	338.8	338.3	337.8



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	384.2	384.2	383.7	383.2	382.8	382.3	381.6	380.6	379.7	378.7	377.8
115°	441.3	441.0	441.2	441.3	441.5	441.7	441.5	441.0	440.5	439.9	439.4
117.5°	499.7	499.8	499.4	499.0	498.6	498.3	497.7	497.0	496.3	495.6	494.9
120°	535.2	534.8	535.0	535.2	535.3	535.5	535.2	534.6	533.9	533.2	532.5
122.5°	570.7	570.5	570.2	570.0	569.7	569.5	569.2	568.7	568.3	567.9	567.5
125°	619.8	619.3	619.6	620.0	620.3	620.6	620.5	619.8	619.1	618.4	617.7
127.5°	669.5	669.6	668.8	668.0	667.2	666.4	665.9	665.8	665.6	665.4	665.2
130°	699.2	699.0	698.5	698.0	697.4	696.9	696.6	696.4	696.2	696.1	695.9
132.5°	728.6	728.4	727.7	727.1	726.4	725.8	725.3	725.0	724.7	724.3	724.0
135°	768.9	768.6	767.9	767.2	766.5	765.8	765.6	765.7	765.9	766.1	766.3
137.5°	807.8	807.4	806.6	805.9	805.1	804.3	803.9	803.8	803.8	803.7	803.6
140°	831.7	831.1	830.8	830.5	830.1	829.8	829.4	829.1	828.7	828.4	828.0
142.5°	854.1	853.7	853.5	853.3	853.0	852.8	852.4	851.8	851.2	850.5	849.9
145°	886.1	885.9	885.9	885.9	885.9	885.9	885.6	885.1	884.6	884.1	883.5
147.5°	914.0	913.9	914.0	914.2	914.4	914.6	914.2	913.2	912.2	911.3	910.3
150°	932.0	932.0	932.2	932.4	932.5	932.7	932.4	931.8	931.1	930.4	929.7
152.5°	947.3	947.0	947.3	947.7	948.0	948.3	948.2	947.6	947.0	946.5	945.9
155°	967.9	967.2	967.7	968.2	968.8	969.3	969.5	969.3	969.1	968.9	968.8
157.5°	985.8	984.9	985.5	986.1	986.6	987.2	987.6	987.7	987.8	987.9	988.0
160°	997.2	996.1	996.3	996.5	996.7	996.8	997.2	997.7	998.2	998.7	999.3
162.5°	1006.6	1005.5	1005.7	1005.9	1006.0	1006.2	1006.6	1007.3	1007.9	1008.6	1009.3
165°	1019.4	1018.0	1018.0	1018.0	1018.0	1018.0	1018.5	1019.3	1020.2	1021.1	1021.9
167.5°	1028.9	1027.4	1027.5	1027.6	1027.7	1027.8	1028.3	1029.2	1030.1	1031.0	1031.9
170°	1035.0	1033.7	1033.5	1033.3	1033.1	1033.0	1033.4	1034.4	1035.5	1036.5	1037.6
172.5°	1038.8	1037.4	1037.2	1037.1	1036.9	1036.7	1037.2	1038.2	1039.2	1040.3	1041.3
175°	1043.0	1041.5	1041.3	1041.1	1041.0	1040.8	1041.2	1042.3	1043.3	1044.3	1045.4
177.5°	1045.2	1044.1	1043.9	1043.6	1043.3	1043.0	1043.4	1044.3	1045.3	1046.3	1047.3
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	9.3	9.9	11.3	12.6	14.2	14.7	14.7	15.0	14.0	13.9	12.9
90°	4.3	6.2	8.1	10.0	11.6	13.0	14.4	15.8	17.2	18.2	19.3
92.5°	10.0	10.1	10.2	10.3	11.0	12.4	13.8	15.2	16.6	17.6	18.7
95°	37.1	31.2	25.3	19.4	16.5	16.7	16.9	17.0	17.2	18.2	19.3
97.5°	95.0	98.7	102.4	106.1	98.2	78.8	59.4	40.0	20.6	20.7	20.9
100°	131.4	134.5	137.6	140.7	130.3	106.3	82.4	58.4	34.4	31.4	28.5
102.5°	171.8	174.1	176.4	178.7	178.3	175.1	172.0	168.9	165.8	133.9	102.0
105°	236.4	237.4	238.5	239.5	240.5	241.3	242.2	243.1	243.9	245.5	247.1
107.5°	297.0	297.5	298.1	298.6	299.4	300.6	301.8	303.0	304.2	304.9	305.7
110°	338.3	338.8	339.3	339.9	340.6	341.7	342.7	343.8	344.8	345.2	345.5



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	378.7	379.7	380.6	381.6	382.3	382.8	383.2	383.7	384.2	384.2	384.1
115°	439.9	440.5	441.0	441.5	441.7	441.5	441.3	441.2	441.0	441.3	441.7
117.5°	495.6	496.3	497.0	497.7	498.3	498.6	499.0	499.4	499.8	499.7	499.6
120°	533.2	533.9	534.6	535.2	535.5	535.3	535.2	535.0	534.8	535.2	535.5
122.5°	567.9	568.3	568.7	569.2	569.5	569.7	570.0	570.2	570.5	570.7	570.9
125°	618.4	619.1	619.8	620.5	620.6	620.3	620.0	619.6	619.3	619.8	620.3
127.5°	665.4	665.6	665.8	665.9	666.4	667.2	668.0	668.8	669.6	669.5	669.4
130°	696.1	696.2	696.4	696.6	696.9	697.4	698.0	698.5	699.0	699.2	699.4
132.5°	724.3	724.7	725.0	725.3	725.8	726.4	727.1	727.7	728.4	728.6	728.8
135°	766.1	765.9	765.7	765.6	765.8	766.5	767.2	767.9	768.6	768.9	769.3
137.5°	803.7	803.8	803.8	803.9	804.3	805.1	805.9	806.6	807.4	807.8	808.1
140°	828.4	828.7	829.1	829.4	829.8	830.1	830.5	830.8	831.1	831.7	832.2
142.5°	850.5	851.2	851.8	852.4	852.8	853.0	853.3	853.5	853.7	854.1	854.4
145°	884.1	884.6	885.1	885.6	885.9	885.9	885.9	885.9	885.9	886.1	886.2
147.5°	911.3	912.2	913.2	914.2	914.6	914.4	914.2	914.0	913.9	914.0	914.2
150°	930.4	931.1	931.8	932.4	932.7	932.5	932.4	932.2	932.0	932.0	932.0
152.5°	946.5	947.0	947.6	948.2	948.3	948.0	947.7	947.3	947.0	947.3	947.6
155°	968.9	969.1	969.3	969.5	969.3	968.8	968.2	967.7	967.2	967.9	968.6
157.5°	987.9	987.8	987.7	987.6	987.2	986.6	986.1	985.5	984.9	985.8	986.7
160°	998.7	998.2	997.7	997.2	996.8	996.7	996.5	996.3	996.1	997.2	998.2
162.5°	1008.6	1007.9	1007.3	1006.6	1006.2	1006.0	1005.9	1005.7	1005.5	1006.6	1007.6
165°	1021.1	1020.2	1019.3	1018.5	1018.0	1018.0	1018.0	1018.0	1018.0	1019.4	1020.8
167.5°	1031.0	1030.1	1029.2	1028.3	1027.8	1027.7	1027.6	1027.5	1027.4	1028.9	1030.5
170°	1036.5	1035.5	1034.4	1033.4	1033.0	1033.1	1033.3	1033.5	1033.7	1035.0	1036.4
172.5°	1040.3	1039.2	1038.2	1037.2	1036.7	1036.9	1037.1	1037.2	1037.4	1038.8	1040.2
175°	1044.3	1043.3	1042.3	1041.2	1040.8	1041.0	1041.1	1041.3	1041.5	1043.0	1044.6
177.5°	1046.3	1045.3	1044.3	1043.4	1043.0	1043.3	1043.6	1043.9	1044.1	1045.2	1046.4
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	13.4	13.3	13.1	12.6	12.3	12.4	11.5
90°	20.3	21.4	22.1	22.4	22.8	23.1	23.5
92.5°	19.7	20.7	21.3	21.4	21.4	21.5	21.6
95°	20.3	21.4	22.0	22.2	22.3	22.5	22.7
97.5°	21.0	21.1	21.2	21.4	21.5	21.7	21.9
100°	25.5	22.6	21.2	21.4	21.5	21.7	21.9
102.5°	70.2	38.3	22.4	22.4	22.4	22.5	22.5
105°	248.6	250.2	247.9	241.6	235.3	229.1	222.8
107.5°	306.4	307.2	307.9	308.6	309.2	309.9	310.6
110°	345.9	346.2	346.6	347.2	347.7	348.2	348.7



TEST NUMBER: P332553

CATALOG NUMBER: SA4XXDIP-C575D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	384.0	383.9	384.2	384.9	385.6	386.2	386.9
115°	442.0	442.4	442.6	442.6	442.6	442.6	442.6
117.5°	499.6	499.5	499.4	499.4	499.3	499.2	499.2
120°	535.9	536.2	536.2	535.9	535.5	535.2	534.8
122.5°	571.1	571.3	571.2	570.9	570.5	570.2	569.8
125°	620.8	621.3	621.7	621.9	622.0	622.2	622.4
127.5°	669.3	669.2	669.1	668.9	668.8	668.7	668.5
130°	699.5	699.7	699.8	699.8	699.8	699.8	699.8
132.5°	728.9	729.1	729.1	729.0	728.8	728.7	728.6
135°	769.6	770.0	770.3	770.7	771.0	771.4	771.7
137.5°	808.5	808.9	809.0	808.9	808.8	808.7	808.6
140°	832.7	833.2	833.6	833.8	833.9	834.1	834.3
142.5°	854.8	855.2	855.4	855.4	855.5	855.5	855.5
145°	886.4	886.6	886.8	887.2	887.5	887.9	888.2
147.5°	914.3	914.4	914.6	914.8	914.9	915.1	915.3
150°	932.0	932.0	932.1	932.3	932.4	932.6	932.8
152.5°	947.9	948.1	948.2	948.1	948.0	947.9	947.8
155°	969.3	970.0	970.1	969.5	969.0	968.5	968.0
157.5°	987.6	988.5	988.5	987.6	986.7	985.8	984.9
160°	999.3	1000.3	1000.3	999.3	998.2	997.2	996.1
162.5°	1008.6	1009.7	1009.6	1008.4	1007.2	1006.1	1004.9
165°	1022.2	1023.6	1023.5	1021.9	1020.4	1018.8	1017.2
167.5°	1032.0	1033.5	1033.4	1031.7	1029.9	1028.2	1026.5
170°	1037.8	1039.2	1039.0	1037.3	1035.6	1033.8	1032.1
172.5°	1041.6	1043.0	1042.7	1040.9	1039.0	1037.1	1035.2
175°	1046.2	1047.7	1047.5	1045.4	1043.3	1041.2	1039.1
177.5°	1047.5	1048.6	1048.3	1046.6	1045.0	1043.3	1041.6
180°	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4	1045.4

(END OF REPORT)