

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: P331693-930

Luminaire Tested: **SA2XXRDIP-C675D925U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331693-930
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: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

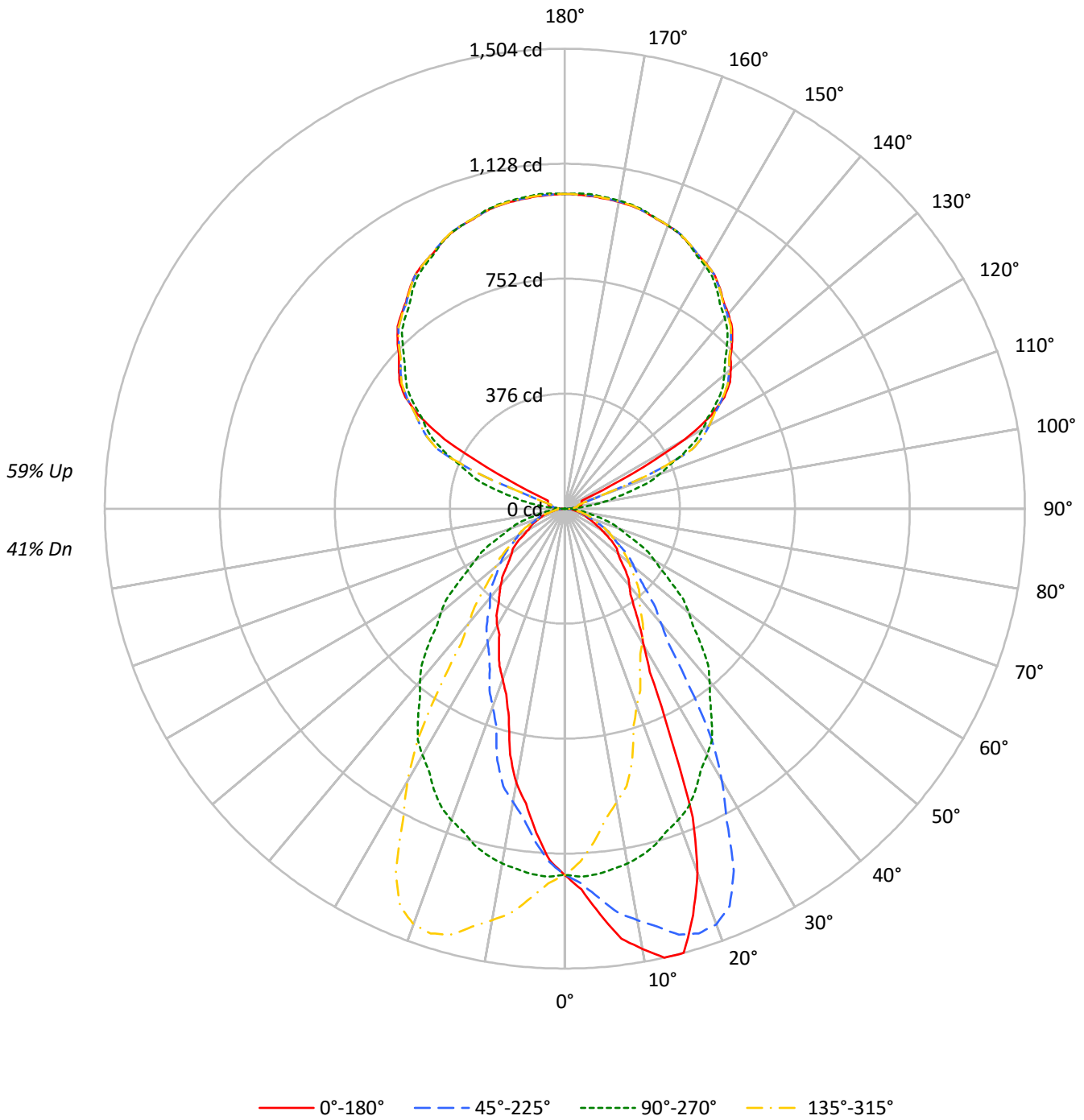
Lumens per Lamp: N/A
Luminaire Lumens: 5088.1 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	89	85	88	84	81	79	69	67	65	56	54	53	43	42	41				36	
2	88	81	76	71	80	74	70	65	62	58	55	50	47	45	39	37	36				31	
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	31				27	
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	29	28				24	
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25				21	
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	27	24	22				19	
7	59	47	40	34	54	44	37	32	37	32	28	30	27	24	24	22	20				17	
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18				16	
9	51	39	32	27	47	36	30	26	31	26	23	26	22	20	21	18	17				14	
10	48	36	29	25	44	34	27	23	29	24	21	24	20	18	20	17	15				13	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19339	19339	19339	19339
5°	21598	19460	17253	19460
10°	23963	19323	14955	19323
15°	25142	19041	11784	19041
20°	21795	18620	10198	18620
25°	14295	18045	9103	18045
30°	9622	17350	8240	17350
35°	7792	16472	7433	16472
40°	6930	15517	6877	15517
45°	6272	14397	6140	14397
50°	5707	13288	5687	13288
55°	5365	12056	5295	12056
60°	4489	10924	4434	10924
65°	3786	9922	4290	9922
70°	3498	8861	4050	8861
75°	3269	7711	3737	7711
80°	3013	6341	3329	6341
85°	2779	5020	2927	5020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	2.2
10°-20°	316.4	6.2
20°-30°	407.7	8.0
30°-40°	387.4	7.6
40°-50°	331.9	6.5
50°-60°	252.7	5.0
60°-70°	159.8	3.1
70°-80°	79.8	1.6
80°-90°	23.3	0.5
90°-100°	34.3	0.7
100°-110°	125.9	2.5
110°-120°	336.5	6.6
120°-130°	555.4	10.9
130°-140°	590.7	11.6
140°-150°	549.0	10.8
150°-160°	441.4	8.7
160°-170°	284.5	5.6
170°-180°	97.9	1.9
0°-30°	837.6	16.5
0°-40°	1225.0	24.1
0°-60°	1809.6	35.6
0°-90°	2072.5	40.7
90°-120°	496.7	9.8
90°-150°	2191.9	43.1
90°-180°	3016.0	59.3
0°-180°	5088.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1198	1198	1198	1198	1198	
5°	1333	1201	1064	1201	1333	132
15°	1504	1139	705	1139	1504	406
25°	802	1013	511	1013	802	381
35°	395	836	377	836	395	253
45°	275	630	269	630	275	213
55°	191	428	188	428	191	167
65°	99	260	112	260	99	101
75°	52	124	60	124	52	56
85°	15	27	16	27	15	17
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°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1246.3	1247.3	1248.4	1246.0	1246.0	1244.0	1239.7	1236.4	1227.0	1225.7	1225.7
5°	1332.6	1331.7	1333.4	1328.0	1320.5	1318.8	1310.9	1300.6	1289.7	1277.7	1275.1
7.5°	1418.3	1417.1	1413.7	1412.8	1407.0	1394.5	1381.8	1368.2	1350.2	1332.7	1323.9
10°	1461.6	1475.4	1467.0	1452.5	1455.4	1435.8	1425.4	1407.5	1392.5	1366.3	1360.5
12.5°	1504.2	1509.6	1507.0	1498.7	1494.9	1481.4	1467.4	1451.8	1424.2	1400.6	1380.1
15°	1504.1	1512.0	1514.0	1511.6	1513.6	1512.8	1505.3	1492.4	1468.3	1442.4	1420.0
17.5°	1393.0	1398.5	1412.2	1421.4	1433.1	1457.7	1469.8	1474.6	1471.0	1456.3	1440.5
20°	1268.5	1259.3	1297.6	1317.2	1333.8	1375.4	1411.2	1425.0	1447.0	1446.6	1442.4
22.5°	1092.0	1094.2	1130.5	1153.7	1202.3	1243.9	1284.7	1336.4	1379.1	1407.3	1423.8
25°	802.4	818.2	854.4	886.1	940.1	1017.6	1087.9	1169.5	1246.4	1307.2	1365.1
27.5°	602.6	603.8	632.5	661.7	693.8	757.2	845.8	943.2	1053.0	1143.5	1247.7
30°	516.1	513.6	525.6	543.6	571.0	620.1	686.6	782.4	891.9	1028.3	1149.9
32.5°	454.8	454.9	464.1	477.3	500.1	533.2	578.8	656.6	760.0	894.2	1036.7
35°	395.3	394.9	401.6	411.2	420.8	442.0	473.2	514.0	585.1	710.4	856.1
37.5°	352.8	354.6	357.8	363.8	374.4	386.2	405.0	432.4	483.0	557.1	679.6
40°	328.8	329.6	334.2	339.2	345.4	354.6	370.0	392.0	429.1	488.2	577.6
42.5°	306.8	307.6	310.9	315.5	320.4	329.6	342.3	361.4	391.4	437.6	511.4
45°	274.7	274.7	277.6	279.6	285.1	293.4	303.8	319.6	340.5	374.5	423.6
47.5°	244.5	244.6	246.5	250.1	253.6	260.0	270.3	283.2	298.3	324.7	366.6
50°	227.2	227.6	228.9	231.8	233.9	239.7	247.6	258.9	274.7	295.1	330.0
52.5°	213.3	213.0	214.6	215.8	217.3	221.4	227.3	237.3	251.4	269.1	298.1
55°	190.6	188.9	191.4	193.6	194.8	196.4	199.7	206.0	218.1	233.1	254.7
57.5°	162.3	161.7	163.4	165.3	169.3	173.7	176.5	180.5	186.8	197.5	219.0
60°	139.0	139.0	142.8	144.0	148.5	154.4	160.2	163.5	169.8	176.8	192.7
62.5°	118.4	118.7	120.4	121.7	124.3	131.4	139.6	146.9	152.8	159.6	170.1
65°	99.1	99.9	99.9	100.7	102.4	104.0	107.4	113.2	123.6	133.1	141.0
67.5°	84.1	84.3	84.5	85.4	85.9	87.6	88.9	91.6	94.0	103.1	112.8
70°	74.1	75.3	74.9	75.7	76.1	77.0	78.7	79.9	83.6	85.8	91.6
72.5°	64.7	65.6	65.6	66.1	67.2	67.3	68.6	70.0	72.3	74.1	77.2
75°	52.4	52.0	52.4	53.2	53.6	54.1	54.1	55.8	57.0	58.7	60.7
77.5°	40.4	40.8	40.8	40.8	40.9	41.7	41.6	42.4	43.6	44.4	45.4
80°	32.4	32.9	32.4	32.9	33.3	33.7	33.3	33.7	35.0	35.8	35.8
82.5°	25.1	25.2	25.4	25.5	25.6	25.7	26.3	26.4	27.3	27.1	27.5
85°	15.0	14.6	14.6	14.6	15.0	15.4	15.0	15.0	15.4	15.4	15.4
87.5°	9.4	9.6	9.5	9.5	9.4	9.3	9.1	9.3	8.8	9.0	8.4
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°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1226.4	1223.7	1221.4	1215.4	1212.4	1205.7	1204.8	1204.4	1195.7	1187.4	1185.1
5°	1268.5	1261.8	1251.8	1240.2	1228.1	1215.6	1207.3	1200.7	1184.0	1168.2	1159.0
7.5°	1310.9	1296.7	1279.4	1257.4	1238.9	1218.3	1203.0	1189.3	1165.6	1143.0	1127.7
10°	1342.6	1319.2	1296.4	1266.0	1242.3	1219.0	1197.3	1178.6	1151.9	1122.0	1100.7
12.5°	1362.2	1336.6	1305.0	1275.3	1244.6	1215.0	1186.0	1162.0	1130.7	1099.7	1074.5
15°	1388.8	1361.3	1323.0	1280.6	1241.0	1202.3	1169.1	1139.1	1098.3	1061.3	1030.5
17.5°	1410.5	1372.7	1331.5	1282.5	1236.7	1187.5	1144.6	1106.4	1060.9	1016.3	980.0
20°	1417.5	1380.1	1332.6	1283.4	1229.4	1171.5	1125.4	1083.7	1035.0	986.3	944.7
22.5°	1413.2	1384.1	1331.2	1272.5	1217.1	1156.5	1104.3	1056.1	1002.1	952.4	904.1
25°	1383.8	1373.8	1323.9	1259.7	1196.5	1126.2	1065.8	1012.9	951.4	898.1	845.6
27.5°	1315.2	1336.8	1305.9	1237.6	1167.3	1091.8	1024.0	963.8	899.9	840.0	787.7
30°	1249.4	1298.9	1285.6	1222.3	1143.6	1069.6	993.4	930.6	862.3	800.7	749.1
32.5°	1159.1	1241.0	1253.9	1201.0	1119.7	1038.3	958.5	895.9	824.7	759.8	709.5
35°	1015.5	1137.8	1194.0	1160.3	1078.7	990.9	908.5	835.7	764.1	700.0	650.0
37.5°	844.1	1010.7	1104.3	1106.8	1031.8	940.5	850.8	778.5	705.2	642.3	588.3
40°	732.9	913.5	1035.4	1062.5	999.2	900.6	809.8	736.2	664.6	603.0	541.0
42.5°	633.0	812.9	962.9	1009.9	959.6	861.6	770.6	693.6	624.0	565.7	502.4
45°	511.9	669.2	834.5	918.5	890.6	799.9	703.8	630.5	565.2	514.8	454.0
47.5°	431.8	542.7	702.5	816.3	815.8	733.0	638.4	568.3	507.7	460.5	411.2
50°	386.2	482.7	618.0	747.1	757.8	688.4	598.4	529.0	472.4	422.8	383.3
52.5°	345.3	424.9	546.4	670.1	700.9	640.7	553.5	489.3	434.4	388.9	355.0
55°	291.7	353.4	445.7	561.4	608.1	565.6	488.2	428.3	383.7	345.4	316.3
57.5°	246.8	293.0	367.1	460.3	514.5	487.9	424.0	375.3	337.2	302.6	279.6
60°	218.5	256.3	319.2	397.1	457.0	438.2	383.7	338.3	305.9	275.9	254.3
62.5°	191.8	224.4	278.3	341.4	396.4	388.7	344.1	306.1	277.6	250.3	232.0
65°	154.4	178.1	220.1	269.7	313.8	317.6	285.5	259.7	234.3	212.6	196.4
67.5°	122.9	138.4	168.0	209.8	242.8	254.6	235.1	215.3	195.2	178.5	164.4
70°	103.6	116.1	137.8	171.5	201.9	214.3	203.1	187.7	170.2	156.5	144.4
72.5°	84.0	96.1	112.1	136.8	162.9	176.3	172.4	161.4	147.2	135.8	124.4
75°	63.3	67.0	77.9	94.5	114.9	126.5	129.5	123.6	112.3	103.6	96.9
77.5°	46.8	49.0	54.2	62.9	76.2	86.7	90.9	90.3	82.5	77.4	71.2
80°	37.4	38.7	41.2	44.9	55.0	65.3	68.2	68.2	62.9	60.7	54.5
82.5°	28.5	29.4	30.9	32.9	37.6	46.7	50.0	50.6	47.2	44.4	39.5
85°	16.2	15.8	16.6	17.9	18.8	21.2	26.3	27.1	26.3	22.9	21.6
87.5°	8.1	8.2	7.9	7.3	7.3	7.2	8.5	9.8	8.8	8.2	7.9
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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1180.8	1178.4	1174.1	1167.4	1163.4	1156.4	1151.8	1154.5	1155.1	1154.5	1153.8
5°	1149.1	1140.3	1128.2	1116.6	1105.8	1094.1	1087.4	1084.5	1078.7	1075.4	1073.7
7.5°	1110.7	1095.6	1078.6	1058.3	1041.0	1023.0	1013.7	1009.1	997.2	990.8	985.0
10°	1082.1	1058.3	1041.3	1014.6	998.4	974.7	958.5	958.9	942.6	933.4	926.8
12.5°	1050.4	1024.3	996.0	972.0	949.4	930.4	910.9	902.9	885.7	876.9	858.9
15°	998.0	967.6	937.7	905.1	882.3	852.7	824.4	789.9	762.0	737.8	731.2
17.5°	940.7	903.1	873.0	834.9	795.7	746.0	713.2	693.2	676.4	663.7	654.1
20°	901.4	863.2	831.1	773.6	720.8	687.1	663.0	647.6	630.1	616.4	608.9
22.5°	860.1	820.2	776.5	712.4	671.2	644.2	622.6	605.0	593.1	582.4	575.6
25°	801.5	757.8	685.8	641.7	608.5	580.2	565.2	554.3	541.8	527.3	520.7
27.5°	739.6	670.1	618.4	585.6	553.8	535.4	522.0	505.8	494.6	488.1	481.2
30°	693.3	623.9	583.5	547.7	525.2	504.8	489.0	479.9	469.0	457.8	453.2
32.5°	641.7	586.2	547.6	517.7	494.9	477.5	465.0	450.2	442.4	435.5	425.9
35°	577.6	535.7	500.3	476.1	454.4	440.3	425.7	417.0	402.8	397.1	393.3
37.5°	523.3	486.9	460.6	435.0	417.9	402.3	393.4	379.4	373.3	365.3	357.3
40°	492.8	457.0	431.5	410.7	391.6	379.9	368.8	357.5	348.3	344.6	335.0
42.5°	461.5	432.4	406.9	384.1	371.3	359.0	344.8	336.6	327.0	321.0	315.0
45°	418.2	392.5	370.8	352.0	337.9	325.1	315.8	302.1	296.8	284.6	279.6
47.5°	380.3	356.3	335.7	317.9	304.0	295.6	282.3	271.5	262.9	255.4	249.1
50°	353.4	333.4	313.4	297.6	285.1	273.0	259.3	253.9	240.5	236.8	233.1
52.5°	328.7	309.7	291.4	275.9	263.4	251.7	239.6	232.5	223.6	219.8	217.1
55°	294.2	275.9	258.4	244.7	232.2	220.1	212.6	203.9	199.7	196.8	193.6
57.5°	259.6	243.1	229.8	215.8	203.3	193.7	185.0	179.8	175.5	171.6	167.6
60°	237.7	221.8	209.8	196.8	183.9	176.0	169.4	163.1	158.2	152.3	150.7
62.5°	214.3	200.5	189.5	176.8	165.7	158.4	152.1	146.2	140.1	131.7	129.3
65°	182.3	171.5	159.8	149.4	139.4	132.3	123.2	116.5	114.1	113.2	112.8
67.5°	153.4	143.1	133.1	122.5	113.3	106.8	102.2	101.1	99.4	98.9	97.8
70°	134.0	124.4	114.5	104.4	95.7	94.5	92.8	91.2	89.0	88.2	87.4
72.5°	116.7	106.8	96.8	88.8	85.0	83.5	81.9	80.1	78.8	77.9	77.4
75°	89.4	80.3	73.7	70.8	68.6	67.4	64.9	63.7	62.9	61.6	61.1
77.5°	64.4	59.3	56.2	54.4	52.2	50.9	49.4	48.2	47.3	47.0	46.4
80°	49.1	46.6	44.5	42.1	41.2	39.5	39.1	37.9	38.3	37.0	37.0
82.5°	38.2	35.0	33.2	32.0	31.2	29.9	29.4	28.9	28.9	28.0	28.0
85°	19.6	18.8	17.9	17.0	17.0	15.8	16.2	15.8	15.8	15.0	14.6
87.5°	7.9	7.9	7.5	7.7	8.1	8.0	8.2	8.0	8.2	8.3	8.1
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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1150.1	1150.8	1149.8	1150.5	1149.8	1150.8	1150.1	1153.8	1154.5	1155.1	1154.5
5°	1071.6	1066.7	1065.8	1064.5	1065.8	1066.7	1071.6	1073.7	1075.4	1078.7	1084.5
7.5°	978.0	977.1	975.1	972.2	975.1	977.1	978.0	985.0	990.8	997.2	1009.1
10°	917.6	915.6	915.2	912.2	915.2	915.6	917.6	926.8	933.4	942.6	958.9
12.5°	847.1	833.6	832.3	825.0	832.3	833.6	847.1	858.9	876.9	885.7	902.9
15°	721.2	718.8	710.4	705.0	710.4	718.8	721.2	731.2	737.8	762.0	789.9
17.5°	649.3	641.2	638.5	637.4	638.5	641.2	649.3	654.1	663.7	676.4	693.2
20°	603.0	595.6	594.3	593.5	594.3	595.6	603.0	608.9	616.4	630.1	647.6
22.5°	571.0	563.2	560.0	557.5	560.0	563.2	571.0	575.6	582.4	593.1	605.0
25°	516.5	513.6	511.9	511.0	511.9	513.6	516.5	520.7	527.3	541.8	554.3
27.5°	473.8	467.3	466.1	464.0	466.1	467.3	473.8	481.2	488.1	494.6	505.8
30°	449.5	447.4	444.5	442.0	444.5	447.4	449.5	453.2	457.8	469.0	479.9
32.5°	420.9	419.1	416.5	415.3	416.5	419.1	420.9	425.9	435.5	442.4	450.2
35°	389.1	383.3	380.8	377.1	380.8	383.3	389.1	393.3	397.1	402.8	417.0
37.5°	355.6	352.5	349.0	350.3	349.0	352.5	355.6	357.3	365.3	373.3	379.4
40°	329.6	327.5	326.7	326.3	326.7	327.5	329.6	335.0	344.6	348.3	357.5
42.5°	309.0	303.2	301.1	301.0	301.1	303.2	309.0	315.0	321.0	327.0	336.6
45°	277.6	272.1	268.4	268.9	268.4	272.1	277.6	279.6	284.6	296.8	302.1
47.5°	245.5	245.3	243.0	243.7	243.0	245.3	245.5	249.1	255.4	262.9	271.5
50°	230.2	227.6	226.0	226.4	226.0	227.6	230.2	233.1	236.8	240.5	253.9
52.5°	215.5	213.4	212.0	213.8	212.0	213.4	215.5	217.1	219.8	223.6	232.5
55°	191.4	188.9	188.5	188.1	188.5	188.9	191.4	193.6	196.8	199.7	203.9
57.5°	164.5	162.9	160.4	159.3	160.4	162.9	164.5	167.6	171.6	175.5	179.8
60°	145.2	141.9	137.8	137.3	137.8	141.9	145.2	150.7	152.3	158.2	163.1
62.5°	127.6	126.9	126.1	126.0	126.1	126.9	127.6	129.3	131.7	140.1	146.2
65°	111.9	111.5	111.9	112.3	111.9	111.5	111.9	112.8	113.2	114.1	116.5
67.5°	97.6	96.8	96.0	96.4	96.0	96.8	97.6	97.8	98.9	99.4	101.1
70°	86.6	86.2	85.8	85.8	85.8	86.2	86.6	87.4	88.2	89.0	91.2
72.5°	75.9	75.8	75.4	75.1	75.4	75.8	75.9	77.4	77.9	78.8	80.1
75°	60.7	59.9	59.9	59.9	59.9	59.9	60.7	61.1	61.6	62.9	63.7
77.5°	46.3	45.9	45.4	45.1	45.4	45.9	46.3	46.4	47.0	47.3	48.2
80°	36.6	36.2	35.8	35.8	35.8	36.2	36.6	37.0	37.0	38.3	37.9
82.5°	28.0	27.6	27.5	27.1	27.5	27.6	28.0	28.0	28.0	28.9	28.9
85°	15.0	15.4	15.0	15.8	15.0	15.4	15.0	14.6	15.0	15.8	15.8
87.5°	8.2	7.9	8.3	8.0	8.3	7.9	8.2	8.1	8.3	8.2	8.0
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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

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: P331693-930
 CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1151.8	1156.4	1163.4	1167.4	1174.1	1178.4	1180.8	1185.1	1187.4	1195.7	1204.4
5°	1087.4	1094.1	1105.8	1116.6	1128.2	1140.3	1149.1	1159.0	1168.2	1184.0	1200.7
7.5°	1013.7	1023.0	1041.0	1058.3	1078.6	1095.6	1110.7	1127.7	1143.0	1165.6	1189.3
10°	958.5	974.7	998.4	1014.6	1041.3	1058.3	1082.1	1100.7	1122.0	1151.9	1178.6
12.5°	910.9	930.4	949.4	972.0	996.0	1024.3	1050.4	1074.5	1099.7	1130.7	1162.0
15°	824.4	852.7	882.3	905.1	937.7	967.6	998.0	1030.5	1061.3	1098.3	1139.1
17.5°	713.2	746.0	795.7	834.9	873.0	903.1	940.7	980.0	1016.3	1060.9	1106.4
20°	663.0	687.1	720.8	773.6	831.1	863.2	901.4	944.7	986.3	1035.0	1083.7
22.5°	622.6	644.2	671.2	712.4	776.5	820.2	860.1	904.1	952.4	1002.1	1056.1
25°	565.2	580.2	608.5	641.7	685.8	757.8	801.5	845.6	898.1	951.4	1012.9
27.5°	522.0	535.4	553.8	585.6	618.4	670.1	739.6	787.7	840.0	899.9	963.8
30°	489.0	504.8	525.2	547.7	583.5	623.9	693.3	749.1	800.7	862.3	930.6
32.5°	465.0	477.5	494.9	517.7	547.6	586.2	641.7	709.5	759.8	824.7	895.9
35°	425.7	440.3	454.4	476.1	500.3	535.7	577.6	650.0	700.0	764.1	835.7
37.5°	393.4	402.3	417.9	435.0	460.6	486.9	523.3	588.3	642.3	705.2	778.5
40°	368.8	379.9	391.6	410.7	431.5	457.0	492.8	541.0	603.0	664.6	736.2
42.5°	344.8	359.0	371.3	384.1	406.9	432.4	461.5	502.4	565.7	624.0	693.6
45°	315.8	325.1	337.9	352.0	370.8	392.5	418.2	454.0	514.8	565.2	630.5
47.5°	282.3	295.6	304.0	317.9	335.7	356.3	380.3	411.2	460.5	507.7	568.3
50°	259.3	273.0	285.1	297.6	313.4	333.4	353.4	383.3	422.8	472.4	529.0
52.5°	239.6	251.7	263.4	275.9	291.4	309.7	328.7	355.0	388.9	434.4	489.3
55°	212.6	220.1	232.2	244.7	258.4	275.9	294.2	316.3	345.4	383.7	428.3
57.5°	185.0	193.7	203.3	215.8	229.8	243.1	259.6	279.6	302.6	337.2	375.3
60°	169.4	176.0	183.9	196.8	209.8	221.8	237.7	254.3	275.9	305.9	338.3
62.5°	152.1	158.4	165.7	176.8	189.5	200.5	214.3	232.0	250.3	277.6	306.1
65°	123.2	132.3	139.4	149.4	159.8	171.5	182.3	196.4	212.6	234.3	259.7
67.5°	102.2	106.8	113.3	122.5	133.1	143.1	153.4	164.4	178.5	195.2	215.3
70°	92.8	94.5	95.7	104.4	114.5	124.4	134.0	144.4	156.5	170.2	187.7
72.5°	81.9	83.5	85.0	88.8	96.8	106.8	116.7	124.4	135.8	147.2	161.4
75°	64.9	67.4	68.6	70.8	73.7	80.3	89.4	96.9	103.6	112.3	123.6
77.5°	49.4	50.9	52.2	54.4	56.2	59.3	64.4	71.2	77.4	82.5	90.3
80°	39.1	39.5	41.2	42.1	44.5	46.6	49.1	54.5	60.7	62.9	68.2
82.5°	29.4	29.9	31.2	32.0	33.2	35.0	38.2	39.5	44.4	47.2	50.6
85°	16.2	15.8	17.0	17.0	17.9	18.8	19.6	21.6	22.9	26.3	27.1
87.5°	8.2	8.0	8.1	7.7	7.5	7.9	7.9	7.9	8.2	8.8	9.8
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: P331693-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A

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: P331693-930
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1204.8	1205.7	1212.4	1215.4	1221.4	1223.7	1226.4	1225.7	1225.7	1227.0	1236.4
5°	1207.3	1215.6	1228.1	1240.2	1251.8	1261.8	1268.5	1275.1	1277.7	1289.7	1300.6
7.5°	1203.0	1218.3	1238.9	1257.4	1279.4	1296.7	1310.9	1323.9	1332.7	1350.2	1368.2
10°	1197.3	1219.0	1242.3	1266.0	1296.4	1319.2	1342.6	1360.5	1366.3	1392.5	1407.5
12.5°	1186.0	1215.0	1244.6	1275.3	1305.0	1336.6	1362.2	1380.1	1400.6	1424.2	1451.8
15°	1169.1	1202.3	1241.0	1280.6	1323.0	1361.3	1388.8	1420.0	1442.4	1468.3	1492.4
17.5°	1144.6	1187.5	1236.7	1282.5	1331.5	1372.7	1410.5	1440.5	1456.3	1471.0	1474.6
20°	1125.4	1171.5	1229.4	1283.4	1332.6	1380.1	1417.5	1442.4	1446.6	1447.0	1425.0
22.5°	1104.3	1156.5	1217.1	1272.5	1331.2	1384.1	1413.2	1423.8	1407.3	1379.1	1336.4
25°	1065.8	1126.2	1196.5	1259.7	1323.9	1373.8	1383.8	1365.1	1307.2	1246.4	1169.5
27.5°	1024.0	1091.8	1167.3	1237.6	1305.9	1336.8	1315.2	1247.7	1143.5	1053.0	943.2
30°	993.4	1069.6	1143.6	1222.3	1285.6	1298.9	1249.4	1149.9	1028.3	891.9	782.4
32.5°	958.5	1038.3	1119.7	1201.0	1253.9	1241.0	1159.1	1036.7	894.2	760.0	656.6
35°	908.5	990.9	1078.7	1160.3	1194.0	1137.8	1015.5	856.1	710.4	585.1	514.0
37.5°	850.8	940.5	1031.8	1106.8	1104.3	1010.7	844.1	679.6	557.1	483.0	432.4
40°	809.8	900.6	999.2	1062.5	1035.4	913.5	732.9	577.6	488.2	429.1	392.0
42.5°	770.6	861.6	959.6	1009.9	962.9	812.9	633.0	511.4	437.6	391.4	361.4
45°	703.8	799.9	890.6	918.5	834.5	669.2	511.9	423.6	374.5	340.5	319.6
47.5°	638.4	733.0	815.8	816.3	702.5	542.7	431.8	366.6	324.7	298.3	283.2
50°	598.4	688.4	757.8	747.1	618.0	482.7	386.2	330.0	295.1	274.7	258.9
52.5°	553.5	640.7	700.9	670.1	546.4	424.9	345.3	298.1	269.1	251.4	237.3
55°	488.2	565.6	608.1	561.4	445.7	353.4	291.7	254.7	233.1	218.1	206.0
57.5°	424.0	487.9	514.5	460.3	367.1	293.0	246.8	219.0	197.5	186.8	180.5
60°	383.7	438.2	457.0	397.1	319.2	256.3	218.5	192.7	176.8	169.8	163.5
62.5°	344.1	388.7	396.4	341.4	278.3	224.4	191.8	170.1	159.6	152.8	146.9
65°	285.5	317.6	313.8	269.7	220.1	178.1	154.4	141.0	133.1	123.6	113.2
67.5°	235.1	254.6	242.8	209.8	168.0	138.4	122.9	112.8	103.1	94.0	91.6
70°	203.1	214.3	201.9	171.5	137.8	116.1	103.6	91.6	85.8	83.6	79.9
72.5°	172.4	176.3	162.9	136.8	112.1	96.1	84.0	77.2	74.1	72.3	70.0
75°	129.5	126.5	114.9	94.5	77.9	67.0	63.3	60.7	58.7	57.0	55.8
77.5°	90.9	86.7	76.2	62.9	54.2	49.0	46.8	45.4	44.4	43.6	42.4
80°	68.2	65.3	55.0	44.9	41.2	38.7	37.4	35.8	35.8	35.0	33.7
82.5°	50.0	46.7	37.6	32.9	30.9	29.4	28.5	27.5	27.1	27.3	26.4
85°	26.3	21.2	18.8	17.9	16.6	15.8	16.2	15.4	15.4	15.4	15.0
87.5°	8.5	7.2	7.3	7.3	7.9	8.2	8.1	8.4	9.0	8.8	9.3
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°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1239.7	1244.0	1246.0	1246.0	1248.4	1247.3	1246.3
5°	1310.9	1318.8	1320.5	1328.0	1333.4	1331.7	1332.6
7.5°	1381.8	1394.5	1407.0	1412.8	1413.7	1417.1	1418.3
10°	1425.4	1435.8	1455.4	1452.5	1467.0	1475.4	1461.6
12.5°	1467.4	1481.4	1494.9	1498.7	1507.0	1509.6	1504.2
15°	1505.3	1512.8	1513.6	1511.6	1514.0	1512.0	1504.1
17.5°	1469.8	1457.7	1433.1	1421.4	1412.2	1398.5	1393.0
20°	1411.2	1375.4	1333.8	1317.2	1297.6	1259.3	1268.5
22.5°	1284.7	1243.9	1202.3	1153.7	1130.5	1094.2	1092.0
25°	1087.9	1017.6	940.1	886.1	854.4	818.2	802.4
27.5°	845.8	757.2	693.8	661.7	632.5	603.8	602.6
30°	686.6	620.1	571.0	543.6	525.6	513.6	516.1
32.5°	578.8	533.2	500.1	477.3	464.1	454.9	454.8
35°	473.2	442.0	420.8	411.2	401.6	394.9	395.3
37.5°	405.0	386.2	374.4	363.8	357.8	354.6	352.8
40°	370.0	354.6	345.4	339.2	334.2	329.6	328.8
42.5°	342.3	329.6	320.4	315.5	310.9	307.6	306.8
45°	303.8	293.4	285.1	279.6	277.6	274.7	274.7
47.5°	270.3	260.0	253.6	250.1	246.5	244.6	244.5
50°	247.6	239.7	233.9	231.8	228.9	227.6	227.2
52.5°	227.3	221.4	217.3	215.8	214.6	213.0	213.3
55°	199.7	196.4	194.8	193.6	191.4	188.9	190.6
57.5°	176.5	173.7	169.3	165.3	163.4	161.7	162.3
60°	160.2	154.4	148.5	144.0	142.8	139.0	139.0
62.5°	139.6	131.4	124.3	121.7	120.4	118.7	118.4
65°	107.4	104.0	102.4	100.7	99.9	99.9	99.1
67.5°	88.9	87.6	85.9	85.4	84.5	84.3	84.1
70°	78.7	77.0	76.1	75.7	74.9	75.3	74.1
72.5°	68.6	67.3	67.2	66.1	65.6	65.6	64.7
75°	54.1	54.1	53.6	53.2	52.4	52.0	52.4
77.5°	41.6	41.7	40.9	40.8	40.8	40.8	40.4
80°	33.3	33.7	33.3	32.9	32.4	32.9	32.4
82.5°	26.3	25.7	25.6	25.5	25.4	25.2	25.1
85°	15.0	15.4	15.0	14.6	14.6	14.6	15.0
87.5°	9.1	9.3	9.4	9.5	9.5	9.6	9.4
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)