

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: P332318-927

Luminaire Tested: **S123RDIP-S775D1025U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332318-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1025U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5660.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

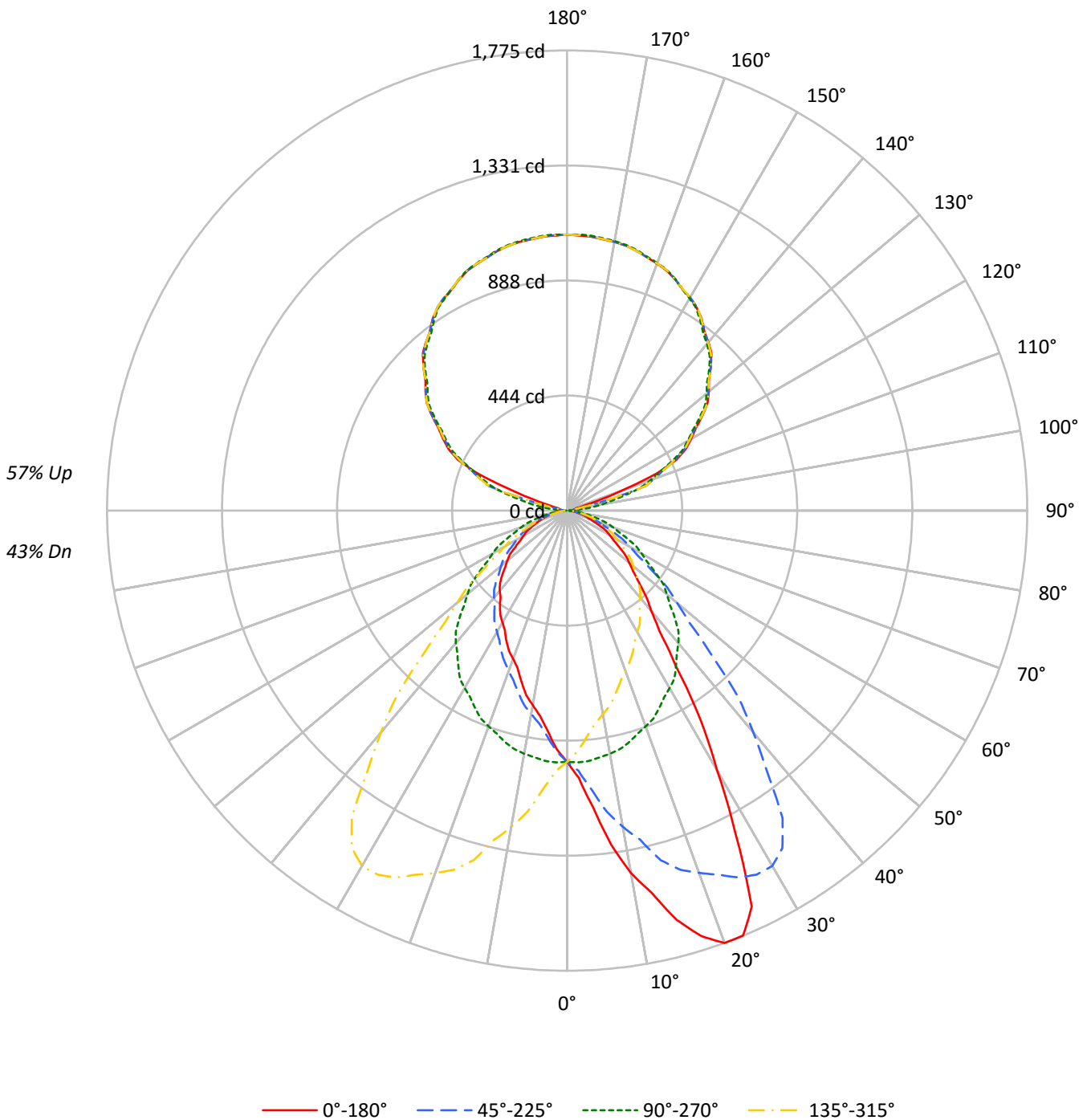
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	43	37
2	88	81	76	71	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27
4	74	64	56	51	68	59	52	47	49	44	41	40	37	34	32	30	28	24
5	68	57	49	44	62	53	46	41	44	39	35	36	33	30	29	27	24	21
6	63	51	44	38	57	47	41	36	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17
8	54	42	35	30	49	39	32	28	33	28	24	28	24	21	22	20	18	15
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10428	10428	10428	10428
5°	12431	10472	9223	10472
10°	15522	10413	8332	10413
15°	18219	10307	7598	10307
20°	20333	10148	6975	10148
25°	20009	9980	6590	9980
30°	14382	9825	6196	9825
35°	9603	9625	5941	9625
40°	7075	9382	5675	9382
45°	5934	8958	5416	8958
50°	5238	8403	5056	8403
55°	4592	7767	4560	7767
60°	4090	7160	4179	7160
65°	3591	6507	3889	6507
70°	2820	5926	3550	5926
75°	2483	5178	3244	5178
80°	2163	4395	3186	4395
85°	1741	3532	3384	3532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.7
10°-20°	297.7	5.3
20°-30°	467.6	8.3
30°-40°	487.9	8.6
40°-50°	417.5	7.4
50°-60°	318.2	5.6
60°-70°	204.0	3.6
70°-80°	98.1	1.7
80°-90°	28.9	0.5
90°-100°	38.7	0.7
100°-110°	184.4	3.3
110°-120°	443.0	7.8
120°-130°	564.1	10.0
130°-140°	602.7	10.6
140°-150°	563.6	10.0
150°-160°	454.6	8.0
160°-170°	293.4	5.2
170°-180°	101.1	1.8
0°-30°	860.6	15.2
0°-40°	1348.4	23.8
0°-60°	2084.2	36.8
0°-90°	2415.3	42.7
90°-120°	666.1	11.8
90°-150°	2396.5	42.3
90°-180°	3246.0	57.3
0°-180°	5660.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	969	969	969	969	969	
5°	1150	969	854	969	1150	119
15°	1635	925	682	925	1635	464
25°	1685	840	555	840	1685	724
35°	731	732	452	732	731	479
45°	390	588	356	588	390	307
55°	245	414	243	414	245	221
65°	141	256	153	256	141	139
75°	60	124	78	124	60	64
85°	14	29	27	29	14	17
90°	24	1	24	1	24	11
95°	30	48	30	48	30	25
105°	35	236	35	236	35	79
115°	465	442	465	442	465	430
125°	636	623	636	623	636	568
135°	784	776	784	776	784	604
145°	904	895	904	895	904	564
155°	984	986	984	986	984	454
165°	1037	1040	1037	1040	1037	293
175°	1060	1064	1060	1064	1060	101
180°	1064	1064	1064	1064	1064	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1031.9	1033.2	1028.9	1028.3	1023.3	1021.9	1021.9	1014.9	1010.7	1005.0	1001.7
5°	1150.5	1157.1	1153.8	1146.4	1133.9	1131.0	1123.2	1110.7	1096.6	1079.2	1070.9
7.5°	1298.6	1307.7	1304.2	1292.7	1279.7	1269.2	1246.9	1226.2	1197.3	1171.9	1150.2
10°	1420.1	1410.6	1403.1	1391.9	1379.9	1360.3	1337.1	1305.2	1268.3	1239.3	1206.9
12.5°	1511.0	1509.4	1500.0	1488.4	1471.5	1452.9	1424.4	1385.5	1342.6	1300.7	1263.7
15°	1634.9	1637.4	1631.2	1619.1	1595.1	1562.3	1519.2	1503.0	1441.7	1396.1	1350.4
17.5°	1720.7	1720.2	1719.4	1702.7	1678.2	1654.9	1614.9	1572.3	1516.7	1452.5	1391.0
20°	1775.1	1771.0	1771.8	1753.1	1734.9	1707.9	1669.0	1607.2	1561.5	1487.3	1423.8
22.5°	1773.8	1773.0	1776.2	1769.7	1756.4	1735.8	1705.1	1653.0	1594.7	1519.8	1448.3
25°	1684.7	1681.4	1700.9	1706.3	1727.4	1731.2	1722.0	1693.4	1638.2	1561.1	1472.7
27.5°	1410.0	1408.2	1444.3	1489.6	1547.0	1591.7	1634.7	1655.6	1638.2	1583.0	1494.5
30°	1157.1	1196.1	1214.4	1279.9	1352.9	1440.0	1516.3	1588.9	1606.7	1582.7	1510.1
32.5°	960.8	994.7	1010.0	1066.2	1134.2	1236.3	1350.8	1453.5	1526.1	1544.5	1500.8
35°	730.8	731.2	766.0	790.9	854.0	958.9	1070.1	1207.8	1344.6	1448.3	1459.0
37.5°	583.1	585.2	606.3	631.1	678.3	733.9	831.7	946.2	1104.3	1263.5	1356.8
40°	503.5	507.2	523.0	547.5	581.5	623.4	699.7	807.6	939.4	1116.5	1261.2
42.5°	452.4	458.4	466.6	485.4	506.5	545.7	607.4	690.7	810.6	978.1	1145.1
45°	389.8	393.2	399.4	408.1	427.2	454.6	496.1	552.0	651.6	786.4	953.5
47.5°	343.9	342.1	348.7	355.8	368.4	387.1	414.9	460.7	531.6	639.8	781.6
50°	312.8	312.3	316.9	322.3	334.3	348.0	370.8	405.2	461.6	551.2	681.0
52.5°	283.5	285.1	288.4	295.1	303.7	314.8	335.3	360.0	408.5	485.8	594.1
55°	244.7	246.0	250.5	254.2	260.5	271.6	284.6	305.2	338.4	392.4	481.5
57.5°	211.8	211.3	215.6	216.6	223.6	232.7	242.7	258.8	282.9	322.9	382.9
60°	190.0	188.7	192.4	195.4	199.1	206.5	214.8	230.6	249.7	279.1	330.6
62.5°	170.1	169.4	172.2	175.1	178.2	185.0	191.9	204.1	219.1	244.0	284.8
65°	141.0	142.3	143.5	144.7	146.4	150.5	157.2	165.5	175.9	193.3	222.7
67.5°	110.8	112.1	112.5	115.0	118.6	121.2	125.2	132.6	139.8	154.6	171.3
70°	89.6	89.2	89.6	90.9	95.4	100.0	105.4	110.7	115.3	125.6	139.7
72.5°	77.0	76.2	77.3	77.6	79.8	81.0	84.4	89.5	95.4	102.4	112.6
75°	59.7	59.7	59.7	59.7	61.4	62.2	63.5	64.7	66.8	70.1	77.6
77.5°	44.1	44.2	44.8	45.2	45.6	46.0	46.8	48.0	48.8	50.5	53.8
80°	34.9	35.3	34.9	35.3	35.3	36.0	36.5	37.7	38.2	40.2	41.5
82.5°	26.2	26.0	26.2	26.6	26.6	27.5	27.6	28.4	28.5	29.6	30.9
85°	14.1	13.3	14.1	13.7	14.5	13.7	14.1	14.9	14.9	15.4	17.0
87.5°	8.1	8.6	7.9	8.2	8.1	8.3	8.2	8.1	8.6	8.1	8.0
90°	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4	19.6	19.0	16.7
92.5°	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5	21.4	20.3	18.5
95°	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9	25.7	24.5	22.6
97.5°	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3	26.9	25.4	38.1
100°	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9	27.5	26.1	53.5
102.5°	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3	47.7	52.0	82.0
105°	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0	142.0	173.2	189.0
107.5°	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8	294.6	317.4	314.9
110°	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0	350.8	356.6	354.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6	396.6	396.5	394.5
115°	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4	455.7	453.8	452.3
117.5°	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4	511.0	509.5	508.7
120°	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4	547.0	545.6	545.1
122.5°	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6	582.7	581.6	581.0
125°	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3	633.0	632.6	631.8
127.5°	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0	682.5	681.9	681.0
130°	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0	712.3	711.6	710.9
132.5°	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5	740.8	740.1	739.6
135°	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7	784.1	783.6	782.9
137.5°	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1	822.2	821.4	821.0
140°	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5	846.8	846.1	845.6
142.5°	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6	870.1	869.5	868.9
145°	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9	902.5	902.2	901.8
147.5°	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8	931.5	931.1	930.8
150°	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6	949.2	948.9	948.5
152.5°	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3	964.6	964.0	963.8
155°	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0	986.1	985.2	985.1
157.5°	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8	1004.8	1003.7	1003.9
160°	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6	1015.6	1014.5	1014.6
162.5°	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4	1025.2	1024.0	1024.1
165°	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4	1038.0	1036.6	1036.8
167.5°	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7	1046.7
170°	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4	1052.4
172.5°	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1	1057.6	1056.2	1056.1
175°	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6	1062.4	1061.1	1061.0
177.5°	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2	1064.1	1063.0	1062.9
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1000.4	999.3	994.7	989.4	982.5	977.8	974.1	972.2	966.2	958.9	953.9
5°	1062.2	1049.7	1036.5	1020.3	1005.4	990.0	980.5	969.2	955.6	940.2	929.5
7.5°	1128.4	1104.0	1077.7	1050.6	1023.7	999.7	978.5	960.3	938.5	916.5	901.1
10°	1179.2	1143.4	1106.5	1068.8	1034.4	1002.0	977.2	952.7	926.5	901.3	882.2
12.5°	1225.3	1178.3	1135.8	1089.4	1045.4	1006.7	970.8	942.1	910.6	883.7	861.9
15°	1283.7	1235.6	1184.1	1113.6	1055.1	1006.2	962.7	924.9	886.8	853.6	832.4
17.5°	1338.2	1265.8	1196.7	1137.9	1061.9	1000.8	947.6	902.5	860.6	825.5	799.4
20°	1360.8	1290.7	1215.6	1140.6	1065.9	997.4	935.6	885.9	842.3	802.6	778.5
22.5°	1374.4	1295.0	1215.9	1135.3	1056.0	984.8	923.8	868.9	821.8	783.9	754.2
25°	1390.2	1295.7	1208.6	1128.9	1048.1	970.9	898.3	840.3	789.3	749.0	717.5
27.5°	1400.7	1289.4	1186.5	1098.0	1016.0	939.1	872.6	811.1	759.3	716.8	682.9
30°	1402.6	1284.4	1169.6	1073.8	990.4	919.9	849.4	790.5	735.8	690.5	659.0
32.5°	1405.3	1272.2	1146.7	1044.9	959.6	889.7	825.9	769.6	713.5	669.0	636.8
35°	1394.4	1265.4	1111.9	995.0	909.5	841.9	784.3	732.5	677.3	634.1	601.3
37.5°	1347.3	1238.4	1075.9	938.7	849.4	786.8	739.8	694.6	644.0	597.5	566.6
40°	1299.8	1211.9	1048.1	904.6	811.3	746.9	704.6	667.7	618.8	575.3	542.1
42.5°	1229.2	1175.8	1021.5	868.7	768.1	706.2	670.5	635.9	592.9	548.7	517.5
45°	1099.5	1106.5	967.2	811.7	708.4	646.2	612.6	588.5	550.4	513.9	482.0
47.5°	936.9	1002.8	903.4	750.8	645.4	587.0	557.7	536.7	511.0	475.2	446.0
50°	830.8	924.9	852.3	710.0	605.9	547.9	518.9	501.8	479.4	451.2	423.4
52.5°	732.8	834.0	790.6	664.6	563.2	510.1	481.7	467.7	449.9	423.3	398.2
55°	597.6	700.1	690.1	596.0	498.9	451.2	429.7	413.9	401.9	382.0	362.1
57.5°	483.5	580.6	585.7	519.7	442.4	395.2	376.7	364.8	357.0	341.9	323.5
60°	411.5	500.6	518.0	468.3	401.9	360.4	342.1	332.6	326.4	314.4	300.3
62.5°	351.7	427.6	447.3	411.5	363.1	324.2	310.0	300.8	296.5	286.1	273.7
65°	269.2	332.2	351.3	331.4	306.1	275.0	263.4	255.5	251.8	246.0	236.8
67.5°	202.4	248.3	269.3	255.2	246.1	226.5	219.0	214.8	211.5	207.6	199.9
70°	162.6	196.6	218.2	214.4	207.0	196.6	191.2	188.3	185.0	181.6	175.0
72.5°	130.7	154.2	174.4	176.3	170.2	168.0	163.3	162.1	160.1	156.1	152.5
75°	86.7	102.8	116.9	122.3	124.8	126.9	124.8	124.5	124.0	120.7	118.6
77.5°	56.8	65.5	74.4	83.6	87.5	90.3	91.0	92.5	91.4	89.7	88.6
80°	43.6	45.6	51.8	59.7	65.9	68.4	70.1	70.9	70.5	70.1	68.4
82.5°	31.6	33.4	36.3	41.8	47.1	51.2	52.2	52.0	52.9	53.2	51.8
85°	17.0	17.4	18.2	19.1	21.9	26.5	27.8	28.6	29.5	29.5	26.9
87.5°	8.2	7.4	7.6	7.2	7.8	7.8	9.5	10.8	11.5	10.5	10.9
90°	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8	2.5	4.3	6.1
92.5°	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7	14.2	13.7	13.2
95°	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2	41.0	33.8	26.6
97.5°	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0	93.7	90.5	87.2
100°	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6	137.1	140.7	144.2
102.5°	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4	177.9	180.5	183.0
105°	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6	237.6	239.5	241.5
107.5°	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2	300.8	302.3	303.9
110°	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6	343.0	344.4	345.8



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1	383.3	384.6	385.9
115°	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0	443.1	444.1	445.2
117.5°	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0	501.4	502.6	504.0
120°	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1	537.7	539.2	540.8
122.5°	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8	574.1	575.4	576.7
125°	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1	624.5	625.9	627.3
127.5°	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8	673.2	674.6	676.0
130°	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2	703.5	705.0	706.4
132.5°	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3	732.7	734.0	735.5
135°	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7	776.7	777.8	778.9
137.5°	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7	815.0	816.3	817.7
140°	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9	840.0	841.1	842.1
142.5°	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4	863.4	864.4	865.5
145°	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1	896.4	897.5	898.8
147.5°	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9	926.8	927.6	928.4
150°	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9	945.5	945.9	946.5
152.5°	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9	962.3	962.5	962.7
155°	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0	985.6	985.3	985.0
157.5°	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1	1015.9	1015.7	1015.6
162.5°	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8	1026.4	1025.9	1025.5
165°	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8	1039.3	1038.7	1038.2
167.5°	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9	1049.2	1048.5	1047.8
170°	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6	1054.9	1054.2	1053.5
172.5°	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4	1058.6	1057.7	1056.9
175°	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3	1063.4	1062.6	1061.7
177.5°	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6	1064.9	1064.1	1063.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332318-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	952.3	947.9	945.0	938.3	934.0	929.4	924.7	927.7	927.4	927.0	927.0
5°	920.4	910.8	902.1	890.9	883.8	875.1	868.5	867.7	869.3	863.5	860.2
7.5°	888.7	875.6	863.2	850.9	837.8	827.4	820.8	817.7	813.5	809.9	806.2
10°	866.4	851.0	839.0	823.7	809.6	797.2	789.3	783.9	780.9	778.1	772.7
12.5°	843.5	828.5	813.2	795.8	782.4	767.9	762.1	756.0	750.4	747.2	739.8
15°	810.0	790.5	774.4	756.1	741.2	727.1	718.7	706.7	705.0	700.9	693.5
17.5°	776.4	755.3	732.9	719.5	702.6	687.9	675.3	671.2	659.3	654.9	648.4
20°	749.9	730.4	713.4	695.5	671.1	657.4	647.5	642.1	632.5	626.7	622.5
22.5°	727.0	707.2	687.5	666.7	646.5	631.1	623.8	615.4	610.3	602.1	597.6
25°	694.3	672.7	649.1	626.7	612.2	600.6	588.9	581.5	574.0	570.3	562.0
27.5°	656.3	633.7	611.6	594.7	576.9	565.4	554.8	548.2	539.2	533.0	528.4
30°	635.4	608.9	589.8	574.4	551.6	540.8	533.0	524.7	518.0	511.4	506.8
32.5°	611.2	586.9	568.9	549.9	532.3	520.6	510.4	503.1	497.4	491.2	486.6
35°	573.1	552.9	534.2	515.1	502.2	490.2	478.2	472.0	466.6	460.8	456.6
37.5°	538.8	519.8	502.1	484.0	468.1	458.3	448.6	443.9	436.6	432.7	428.4
40°	517.6	498.9	479.8	462.5	445.8	438.4	429.7	422.6	416.0	413.1	408.5
42.5°	494.4	475.7	459.6	440.8	427.3	417.2	409.1	401.4	396.4	392.2	389.6
45°	459.9	443.4	427.6	408.9	396.1	387.4	378.3	371.2	366.6	363.8	359.2
47.5°	426.5	410.0	394.0	377.6	365.2	355.3	346.2	341.3	335.2	331.6	328.6
50°	402.3	387.4	370.3	355.5	343.0	333.0	325.6	319.3	313.9	309.4	307.4
52.5°	380.1	364.2	349.4	335.6	322.4	311.2	304.4	297.8	293.7	288.5	286.1
55°	343.4	328.0	315.6	301.9	289.1	279.6	271.2	265.5	261.3	255.5	252.2
57.5°	309.0	295.2	280.4	268.5	255.2	247.2	240.3	232.4	227.4	222.8	219.6
60°	285.7	270.0	257.1	246.0	234.3	223.9	217.8	211.5	206.1	201.5	198.7
62.5°	261.6	247.8	235.6	223.4	212.8	203.7	196.5	191.3	186.6	183.6	180.8
65°	224.3	213.6	201.1	191.2	181.3	174.6	168.8	164.2	160.9	158.8	156.4
67.5°	190.2	179.7	168.9	159.1	152.5	147.4	143.6	139.7	138.0	135.4	133.7
70°	167.9	157.2	147.7	140.2	133.6	129.8	127.3	124.5	122.8	119.5	117.8
72.5°	143.8	135.9	129.0	122.9	117.6	114.2	111.1	107.5	104.9	101.2	99.6
75°	113.2	106.2	100.8	96.6	93.3	88.7	84.2	80.5	79.2	78.0	77.6
77.5°	83.9	79.4	75.5	72.0	67.9	64.6	63.5	62.7	62.4	61.8	61.8
80°	65.9	61.8	58.9	54.7	52.3	52.3	52.3	51.4	51.8	51.8	51.8
82.5°	49.0	45.2	43.6	42.1	41.7	42.0	42.0	42.1	41.9	42.5	42.2
85°	25.3	25.7	26.5	26.1	26.5	26.5	27.4	26.9	27.4	26.5	27.4
87.5°	10.9	12.3	13.1	13.9	14.7	14.7	15.2	15.4	15.8	16.0	16.1
90°	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4	21.1	21.8	22.3
92.5°	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5	23.6	24.7	25.4
95°	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9	28.2	29.5	30.0
97.5°	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3	29.7	31.1	31.8
100°	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9	30.3	31.7	32.5
102.5°	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3	39.0	34.6	32.6
105°	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0	79.9	48.8	33.4
107.5°	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8	249.0	226.2	203.0
110°	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0	339.2	333.4	318.0



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6	396.8	396.9	394.3
115°	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4	459.1	460.9	462.2
117.5°	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4	513.7	515.2	515.9
120°	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4	549.8	551.2	551.9
122.5°	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6	584.6	585.6	586.1
125°	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3	633.6	634.0	634.3
127.5°	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0	683.6	684.1	684.3
130°	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0	713.8	714.5	714.6
132.5°	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5	742.2	742.9	743.0
135°	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7	785.2	785.7	785.7
137.5°	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1	823.9	824.7	825.0
140°	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5	848.2	848.9	849.1
142.5°	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6	871.2	871.7	871.7
145°	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9	903.2	903.6	903.8
147.5°	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8	932.2	932.6	932.3
150°	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6	949.9	950.3	950.1
152.5°	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3	965.9	966.5	966.5
155°	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0	987.9	988.7	988.6
157.5°	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8	1006.9	1008.0	1007.8
160°	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6	1017.6	1018.7	1018.6
162.5°	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4	1027.5	1028.7	1028.8
165°	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4	1040.8	1042.3	1042.4
167.5°	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3
170°	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0
172.5°	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1	1060.4	1061.8	1061.8
175°	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6	1064.9	1066.0	1066.0
177.5°	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2	1066.4	1067.5	1067.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	923.1	922.7	923.1	921.7	923.1	922.7	923.1	927.0	927.0	927.4	927.7
5°	859.0	858.5	857.3	853.6	857.3	858.5	859.0	860.2	863.5	869.3	867.7
7.5°	803.0	802.4	798.8	798.8	798.8	802.4	803.0	806.2	809.9	813.5	817.7
10°	769.8	770.2	765.2	762.3	765.2	770.2	769.8	772.7	778.1	780.9	783.9
12.5°	737.6	735.7	731.7	728.5	731.7	735.7	737.6	739.8	747.2	750.4	756.0
15°	695.1	690.9	681.0	681.8	681.0	690.9	695.1	693.5	700.9	705.0	706.7
17.5°	645.1	642.1	641.8	636.0	641.8	642.1	645.1	648.4	654.9	659.3	671.2
20°	615.9	613.9	614.7	608.9	614.7	613.9	615.9	622.5	626.7	632.5	642.1
22.5°	593.0	591.0	587.5	585.7	587.5	591.0	593.0	597.6	602.1	610.3	615.4
25°	559.5	556.2	552.9	554.9	552.9	556.2	559.5	562.0	570.3	574.0	581.5
27.5°	526.0	523.5	520.1	519.8	520.1	523.5	526.0	528.4	533.0	539.2	548.2
30°	504.8	502.2	500.6	498.5	500.6	502.2	504.8	506.8	511.4	518.0	524.7
32.5°	483.2	482.7	479.7	479.3	479.7	482.7	483.2	486.6	491.2	497.4	503.1
35°	455.0	452.5	451.6	452.1	451.6	452.5	455.0	456.6	460.8	466.6	472.0
37.5°	428.2	424.8	423.3	421.9	423.3	424.8	428.2	428.4	432.7	436.6	443.9
40°	408.9	405.6	404.8	403.9	404.8	405.6	408.9	408.5	413.1	416.0	422.6
42.5°	387.4	386.0	385.6	384.0	385.6	386.0	387.4	389.6	392.2	396.4	401.4
45°	357.9	357.5	355.1	355.8	355.1	357.5	357.9	359.2	363.8	366.6	371.2
47.5°	326.9	325.1	323.4	324.5	323.4	325.1	326.9	328.6	331.6	335.2	341.3
50°	305.7	304.8	301.1	301.9	301.1	304.8	305.7	307.4	309.4	313.9	319.3
52.5°	284.5	281.3	279.9	279.4	279.9	281.3	284.5	286.1	288.5	293.7	297.8
55°	249.3	245.5	243.8	243.0	243.8	245.5	249.3	252.2	255.5	261.3	265.5
57.5°	214.8	213.7	212.5	213.3	212.5	213.7	214.8	219.6	222.8	227.4	232.4
60°	194.5	194.5	194.5	194.1	194.5	194.5	194.5	198.7	201.5	206.1	211.5
62.5°	179.0	177.9	177.6	178.2	177.6	177.9	179.0	180.8	183.6	186.6	191.3
65°	155.1	154.7	153.0	152.7	153.0	154.7	155.1	156.4	158.8	160.9	164.2
67.5°	132.6	131.1	130.6	130.1	130.6	131.1	132.6	133.7	135.4	138.0	139.7
70°	115.7	114.9	112.4	112.8	112.4	114.9	115.7	117.8	119.5	122.8	124.5
72.5°	97.4	96.6	96.2	95.5	96.2	96.6	97.4	99.6	101.2	104.9	107.5
75°	77.2	76.8	76.3	78.0	76.3	76.8	77.2	77.6	78.0	79.2	80.5
77.5°	61.8	61.8	62.0	61.4	62.0	61.8	61.8	61.8	61.8	62.4	62.7
80°	51.8	51.8	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.4
82.5°	41.6	41.9	42.1	41.5	42.1	41.9	41.6	42.2	42.5	41.9	42.1
85°	27.4	26.9	27.8	27.4	27.8	26.9	27.4	27.4	26.5	27.4	26.9
87.5°	16.8	16.2	16.3	16.7	16.3	16.2	16.8	16.1	16.0	15.8	15.4
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4
92.5°	25.6	25.8	26.1	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5
95°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3
100°	32.7	32.9	33.0	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9
102.5°	32.9	33.2	33.5	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3
105°	33.7	34.1	34.5	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0
107.5°	179.6	156.1	132.7	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8
110°	292.8	267.7	242.6	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	389.0	383.7	378.3	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6
115°	462.8	463.5	464.2	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4
117.5°	516.1	516.2	516.3	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4
120°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4
122.5°	586.3	586.5	586.5	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6
125°	634.7	635.0	635.4	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3
127.5°	683.9	683.6	683.2	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0
130°	714.3	713.9	713.6	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0
132.5°	742.5	742.0	741.6	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5
135°	785.2	784.7	784.1	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7
137.5°	824.7	824.3	823.9	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1
140°	848.7	848.3	848.0	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5
142.5°	871.2	870.8	870.3	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6
145°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9
147.5°	931.5	930.7	929.9	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8
150°	949.7	949.1	948.6	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6
152.5°	965.7	964.9	964.1	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3
155°	987.6	986.6	985.5	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0
157.5°	1006.4	1005.0	1003.7	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8
160°	1017.4	1016.1	1014.9	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6
162.5°	1027.7	1026.6	1025.6	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4
165°	1041.1	1039.9	1038.6	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4
167.5°	1051.0	1049.6	1048.1	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6
170°	1056.7	1055.3	1053.8	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3
172.5°	1060.3	1058.7	1057.2	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1
175°	1064.5	1063.2	1061.8	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6
177.5°	1066.0	1064.6	1063.2	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	924.7	929.4	934.0	938.3	945.0	947.9	952.3	953.9	958.9	966.2	972.2
5°	868.5	875.1	883.8	890.9	902.1	910.8	920.4	929.5	940.2	955.6	969.2
7.5°	820.8	827.4	837.8	850.9	863.2	875.6	888.7	901.1	916.5	938.5	960.3
10°	789.3	797.2	809.6	823.7	839.0	851.0	866.4	882.2	901.3	926.5	952.7
12.5°	762.1	767.9	782.4	795.8	813.2	828.5	843.5	861.9	883.7	910.6	942.1
15°	718.7	727.1	741.2	756.1	774.4	790.5	810.0	832.4	853.6	886.8	924.9
17.5°	675.3	687.9	702.6	719.5	732.9	755.3	776.4	799.4	825.5	860.6	902.5
20°	647.5	657.4	671.1	695.5	713.4	730.4	749.9	778.5	802.6	842.3	885.9
22.5°	623.8	631.1	646.5	666.7	687.5	707.2	727.0	754.2	783.9	821.8	868.9
25°	588.9	600.6	612.2	626.7	649.1	672.7	694.3	717.5	749.0	789.3	840.3
27.5°	554.8	565.4	576.9	594.7	611.6	633.7	656.3	682.9	716.8	759.3	811.1
30°	533.0	540.8	551.6	574.4	589.8	608.9	635.4	659.0	690.5	735.8	790.5
32.5°	510.4	520.6	532.3	549.9	568.9	586.9	611.2	636.8	669.0	713.5	769.6
35°	478.2	490.2	502.2	515.1	534.2	552.9	573.1	601.3	634.1	677.3	732.5
37.5°	448.6	458.3	468.1	484.0	502.1	519.8	538.8	566.6	597.5	644.0	694.6
40°	429.7	438.4	445.8	462.5	479.8	498.9	517.6	542.1	575.3	618.8	667.7
42.5°	409.1	417.2	427.3	440.8	459.6	475.7	494.4	517.5	548.7	592.9	635.9
45°	378.3	387.4	396.1	408.9	427.6	443.4	459.9	482.0	513.9	550.4	588.5
47.5°	346.2	355.3	365.2	377.6	394.0	410.0	426.5	446.0	475.2	511.0	536.7
50°	325.6	333.0	343.0	355.5	370.3	387.4	402.3	423.4	451.2	479.4	501.8
52.5°	304.4	311.2	322.4	335.6	349.4	364.2	380.1	398.2	423.3	449.9	467.7
55°	271.2	279.6	289.1	301.9	315.6	328.0	343.4	362.1	382.0	401.9	413.9
57.5°	240.3	247.2	255.2	268.5	280.4	295.2	309.0	323.5	341.9	357.0	364.8
60°	217.8	223.9	234.3	246.0	257.1	270.0	285.7	300.3	314.4	326.4	332.6
62.5°	196.5	203.7	212.8	223.4	235.6	247.8	261.6	273.7	286.1	296.5	300.8
65°	168.8	174.6	181.3	191.2	201.1	213.6	224.3	236.8	246.0	251.8	255.5
67.5°	143.6	147.4	152.5	159.1	168.9	179.7	190.2	199.9	207.6	211.5	214.8
70°	127.3	129.8	133.6	140.2	147.7	157.2	167.9	175.0	181.6	185.0	188.3
72.5°	111.1	114.2	117.6	122.9	129.0	135.9	143.8	152.5	156.1	160.1	162.1
75°	84.2	88.7	93.3	96.6	100.8	106.2	113.2	118.6	120.7	124.0	124.5
77.5°	63.5	64.6	67.9	72.0	75.5	79.4	83.9	88.6	89.7	91.4	92.5
80°	52.3	52.3	52.3	54.7	58.9	61.8	65.9	68.4	70.1	70.5	70.9
82.5°	42.0	42.0	41.7	42.1	43.6	45.2	49.0	51.8	53.2	52.9	52.0
85°	27.4	26.5	26.5	26.1	26.5	25.7	25.3	26.9	29.5	29.5	28.6
87.5°	15.2	14.7	14.7	13.9	13.1	12.3	10.9	10.9	10.5	11.5	10.8
90°	19.6	19.0	16.7	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8
92.5°	21.4	20.3	18.5	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7
95°	25.7	24.5	22.6	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2
97.5°	26.9	25.4	38.1	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0
100°	27.5	26.1	53.5	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6
102.5°	47.7	52.0	82.0	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4
105°	142.0	173.2	189.0	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6
107.5°	294.6	317.4	314.9	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2
110°	350.8	356.6	354.7	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	396.6	396.5	394.5	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1
115°	455.7	453.8	452.3	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0
117.5°	511.0	509.5	508.7	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0
120°	547.0	545.6	545.1	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1
122.5°	582.7	581.6	581.0	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8
125°	633.0	632.6	631.8	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1
127.5°	682.5	681.9	681.0	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8
130°	712.3	711.6	710.9	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2
132.5°	740.8	740.1	739.6	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3
135°	784.1	783.6	782.9	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7
137.5°	822.2	821.4	821.0	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7
140°	846.8	846.1	845.6	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9
142.5°	870.1	869.5	868.9	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4
145°	902.5	902.2	901.8	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1
147.5°	931.5	931.1	930.8	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9
150°	949.2	948.9	948.5	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9
152.5°	964.6	964.0	963.8	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9
155°	986.1	985.2	985.1	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0
157.5°	1004.8	1003.7	1003.9	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1015.6	1014.5	1014.6	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1
162.5°	1025.2	1024.0	1024.1	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8
165°	1038.0	1036.6	1036.8	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8
167.5°	1048.1	1046.7	1046.7	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9
170°	1053.8	1052.4	1052.4	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6
172.5°	1057.6	1056.2	1056.1	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4
175°	1062.4	1061.1	1061.0	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3
177.5°	1064.1	1063.0	1062.9	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332318-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	974.1	977.8	982.5	989.4	994.7	999.3	1000.4	1001.7	1005.0	1010.7	1014.9
5°	980.5	990.0	1005.4	1020.3	1036.5	1049.7	1062.2	1070.9	1079.2	1096.6	1110.7
7.5°	978.5	999.7	1023.7	1050.6	1077.7	1104.0	1128.4	1150.2	1171.9	1197.3	1226.2
10°	977.2	1002.0	1034.4	1068.8	1106.5	1143.4	1179.2	1206.9	1239.3	1268.3	1305.2
12.5°	970.8	1006.7	1045.4	1089.4	1135.8	1178.3	1225.3	1263.7	1300.7	1342.6	1385.5
15°	962.7	1006.2	1055.1	1113.6	1184.1	1235.6	1283.7	1350.4	1396.1	1441.7	1503.0
17.5°	947.6	1000.8	1061.9	1137.9	1196.7	1265.8	1338.2	1391.0	1452.5	1516.7	1572.3
20°	935.6	997.4	1065.9	1140.6	1215.6	1290.7	1360.8	1423.8	1487.3	1561.5	1607.2
22.5°	923.8	984.8	1056.0	1135.3	1215.9	1295.0	1374.4	1448.3	1519.8	1594.7	1653.0
25°	898.3	970.9	1048.1	1128.9	1208.6	1295.7	1390.2	1472.7	1561.1	1638.2	1693.4
27.5°	872.6	939.1	1016.0	1098.0	1186.5	1289.4	1400.7	1494.5	1583.0	1638.2	1655.6
30°	849.4	919.9	990.4	1073.8	1169.6	1284.4	1402.6	1510.1	1582.7	1606.7	1588.9
32.5°	825.9	889.7	959.6	1044.9	1146.7	1272.2	1405.3	1500.8	1544.5	1526.1	1453.5
35°	784.3	841.9	909.5	995.0	1111.9	1265.4	1394.4	1459.0	1448.3	1344.6	1207.8
37.5°	739.8	786.8	849.4	938.7	1075.9	1238.4	1347.3	1356.8	1263.5	1104.3	946.2
40°	704.6	746.9	811.3	904.6	1048.1	1211.9	1299.8	1261.2	1116.5	939.4	807.6
42.5°	670.5	706.2	768.1	868.7	1021.5	1175.8	1229.2	1145.1	978.1	810.6	690.7
45°	612.6	646.2	708.4	811.7	967.2	1106.5	1099.5	953.5	786.4	651.6	552.0
47.5°	557.7	587.0	645.4	750.8	903.4	1002.8	936.9	781.6	639.8	531.6	460.7
50°	518.9	547.9	605.9	710.0	852.3	924.9	830.8	681.0	551.2	461.6	405.2
52.5°	481.7	510.1	563.2	664.6	790.6	834.0	732.8	594.1	485.8	408.5	360.0
55°	429.7	451.2	498.9	596.0	690.1	700.1	597.6	481.5	392.4	338.4	305.2
57.5°	376.7	395.2	442.4	519.7	585.7	580.6	483.5	382.9	322.9	282.9	258.8
60°	342.1	360.4	401.9	468.3	518.0	500.6	411.5	330.6	279.1	249.7	230.6
62.5°	310.0	324.2	363.1	411.5	447.3	427.6	351.7	284.8	244.0	219.1	204.1
65°	263.4	275.0	306.1	331.4	351.3	332.2	269.2	222.7	193.3	175.9	165.5
67.5°	219.0	226.5	246.1	255.2	269.3	248.3	202.4	171.3	154.6	139.8	132.6
70°	191.2	196.6	207.0	214.4	218.2	196.6	162.6	139.7	125.6	115.3	110.7
72.5°	163.3	168.0	170.2	176.3	174.4	154.2	130.7	112.6	102.4	95.4	89.5
75°	124.8	126.9	124.8	122.3	116.9	102.8	86.7	77.6	70.1	66.8	64.7
77.5°	91.0	90.3	87.5	83.6	74.4	65.5	56.8	53.8	50.5	48.8	48.0
80°	70.1	68.4	65.9	59.7	51.8	45.6	43.6	41.5	40.2	38.2	37.7
82.5°	52.2	51.2	47.1	41.8	36.3	33.4	31.6	30.9	29.6	28.5	28.4
85°	27.8	26.5	21.9	19.1	18.2	17.4	17.0	17.0	15.4	14.9	14.9
87.5°	9.5	7.8	7.8	7.2	7.6	7.4	8.2	8.0	8.1	8.6	8.1
90°	2.5	4.3	6.1	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4
92.5°	14.2	13.7	13.2	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5
95°	41.0	33.8	26.6	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9
97.5°	93.7	90.5	87.2	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3
100°	137.1	140.7	144.2	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9
102.5°	177.9	180.5	183.0	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3
105°	237.6	239.5	241.5	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0
107.5°	300.8	302.3	303.9	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8
110°	343.0	344.4	345.8	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.3	384.6	385.9	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6
115°	443.1	444.1	445.2	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4
117.5°	501.4	502.6	504.0	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4
120°	537.7	539.2	540.8	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4
122.5°	574.1	575.4	576.7	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6
125°	624.5	625.9	627.3	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3
127.5°	673.2	674.6	676.0	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0
130°	703.5	705.0	706.4	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0
132.5°	732.7	734.0	735.5	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5
135°	776.7	777.8	778.9	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7
137.5°	815.0	816.3	817.7	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1
140°	840.0	841.1	842.1	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5
142.5°	863.4	864.4	865.5	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6
145°	896.4	897.5	898.8	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9
147.5°	926.8	927.6	928.4	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8
150°	945.5	945.9	946.5	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6
152.5°	962.3	962.5	962.7	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3
155°	985.6	985.3	985.0	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0
157.5°	1004.6	1004.6	1004.6	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8
160°	1015.9	1015.7	1015.6	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6
162.5°	1026.4	1025.9	1025.5	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4
165°	1039.3	1038.7	1038.2	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4
167.5°	1049.2	1048.5	1047.8	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6
170°	1054.9	1054.2	1053.5	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3
172.5°	1058.6	1057.7	1056.9	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1
175°	1063.4	1062.6	1061.7	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6
177.5°	1064.9	1064.1	1063.4	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	968.8	968.8	968.8	968.8	968.8	968.8	968.8
2.5°	1021.9	1021.9	1023.3	1028.3	1028.9	1033.2	1031.9
5°	1123.2	1131.0	1133.9	1146.4	1153.8	1157.1	1150.5
7.5°	1246.9	1269.2	1279.7	1292.7	1304.2	1307.7	1298.6
10°	1337.1	1360.3	1379.9	1391.9	1403.1	1410.6	1420.1
12.5°	1424.4	1452.9	1471.5	1488.4	1500.0	1509.4	1511.0
15°	1519.2	1562.3	1595.1	1619.1	1631.2	1637.4	1634.9
17.5°	1614.9	1654.9	1678.2	1702.7	1719.4	1720.2	1720.7
20°	1669.0	1707.9	1734.9	1753.1	1771.8	1771.0	1775.1
22.5°	1705.1	1735.8	1756.4	1769.7	1776.2	1773.0	1773.8
25°	1722.0	1731.2	1727.4	1706.3	1700.9	1681.4	1684.7
27.5°	1634.7	1591.7	1547.0	1489.6	1444.3	1408.2	1410.0
30°	1516.3	1440.0	1352.9	1279.9	1214.4	1196.1	1157.1
32.5°	1350.8	1236.3	1134.2	1066.2	1010.0	994.7	960.8
35°	1070.1	958.9	854.0	790.9	766.0	731.2	730.8
37.5°	831.7	733.9	678.3	631.1	606.3	585.2	583.1
40°	699.7	623.4	581.5	547.5	523.0	507.2	503.5
42.5°	607.4	545.7	506.5	485.4	466.6	458.4	452.4
45°	496.1	454.6	427.2	408.1	399.4	393.2	389.8
47.5°	414.9	387.1	368.4	355.8	348.7	342.1	343.9
50°	370.8	348.0	334.3	322.3	316.9	312.3	312.8
52.5°	335.3	314.8	303.7	295.1	288.4	285.1	283.5
55°	284.6	271.6	260.5	254.2	250.5	246.0	244.7
57.5°	242.7	232.7	223.6	216.6	215.6	211.3	211.8
60°	214.8	206.5	199.1	195.4	192.4	188.7	190.0
62.5°	191.9	185.0	178.2	175.1	172.2	169.4	170.1
65°	157.2	150.5	146.4	144.7	143.5	142.3	141.0
67.5°	125.2	121.2	118.6	115.0	112.5	112.1	110.8
70°	105.4	100.0	95.4	90.9	89.6	89.2	89.6
72.5°	84.4	81.0	79.8	77.6	77.3	76.2	77.0
75°	63.5	62.2	61.4	59.7	59.7	59.7	59.7
77.5°	46.8	46.0	45.6	45.2	44.8	44.2	44.1
80°	36.5	36.0	35.3	35.3	34.9	35.3	34.9
82.5°	27.6	27.5	26.6	26.6	26.2	26.0	26.2
85°	14.1	13.7	14.5	13.7	14.1	13.3	14.1
87.5°	8.2	8.3	8.1	8.2	7.9	8.6	8.1
90°	21.1	21.8	22.3	22.7	23.1	23.4	23.7
92.5°	23.6	24.7	25.4	25.6	25.8	26.1	26.2
95°	28.2	29.5	30.0	30.0	30.0	30.0	30.0
97.5°	29.7	31.1	31.8	32.1	32.2	32.4	32.6
100°	30.3	31.7	32.5	32.7	32.9	33.0	33.2
102.5°	39.0	34.6	32.6	32.9	33.2	33.5	33.8
105°	79.9	48.8	33.4	33.7	34.1	34.5	34.8
107.5°	249.0	226.2	203.0	179.6	156.1	132.7	109.2
110°	339.2	333.4	318.0	292.8	267.7	242.6	217.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	396.8	396.9	394.3	389.0	383.7	378.3	373.0
115°	459.1	460.9	462.2	462.8	463.5	464.2	464.9
117.5°	513.7	515.2	515.9	516.1	516.2	516.3	516.5
120°	549.8	551.2	551.9	551.9	551.9	551.9	551.9
122.5°	584.6	585.6	586.1	586.3	586.5	586.5	586.7
125°	633.6	634.0	634.3	634.7	635.0	635.4	635.7
127.5°	683.6	684.1	684.3	683.9	683.6	683.2	682.9
130°	713.8	714.5	714.6	714.3	713.9	713.6	713.2
132.5°	742.2	742.9	743.0	742.5	742.0	741.6	741.1
135°	785.2	785.7	785.7	785.2	784.7	784.1	783.6
137.5°	823.9	824.7	825.0	824.7	824.3	823.9	823.6
140°	848.2	848.9	849.1	848.7	848.3	848.0	847.6
142.5°	871.2	871.7	871.7	871.2	870.8	870.3	869.8
145°	903.2	903.6	903.8	903.8	903.8	903.8	903.8
147.5°	932.2	932.6	932.3	931.5	930.7	929.9	929.1
150°	949.9	950.3	950.1	949.7	949.1	948.6	948.1
152.5°	965.9	966.5	966.5	965.7	964.9	964.1	963.2
155°	987.9	988.7	988.6	987.6	986.6	985.5	984.4
157.5°	1006.9	1008.0	1007.8	1006.4	1005.0	1003.7	1002.3
160°	1017.6	1018.7	1018.6	1017.4	1016.1	1014.9	1013.7
162.5°	1027.5	1028.7	1028.8	1027.7	1026.6	1025.6	1024.5
165°	1040.8	1042.3	1042.4	1041.1	1039.9	1038.6	1037.4
167.5°	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7
170°	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4
172.5°	1060.4	1061.8	1061.8	1060.3	1058.7	1057.2	1055.6
175°	1064.9	1066.0	1066.0	1064.5	1063.2	1061.8	1060.3
177.5°	1066.4	1067.5	1067.4	1066.0	1064.6	1063.2	1061.8
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3

(END OF REPORT)