

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: P332162-940

Luminaire Tested: **S123DIW-S775D1030U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332162-940
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: S123DIW-S775D1030U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1030 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6587.8 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

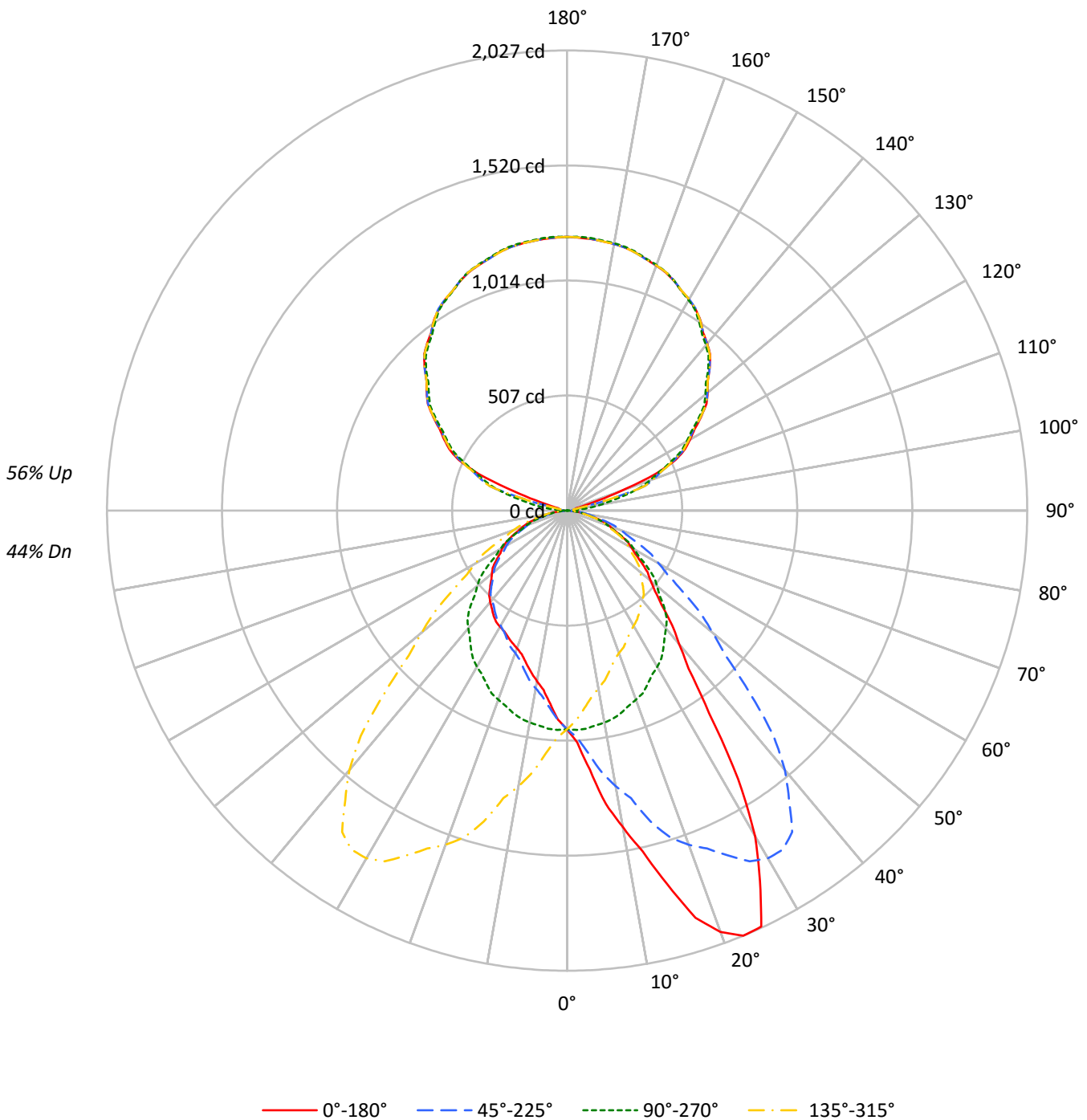
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	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	55	55	50	47	45	42	39	36	33	32	27				
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	32	29	27	24				
5	68	56	48	43	62	52	45	40	44	38	34	36	32	29	29	26	24	21				
6	62	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13				
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12369	10416	9231	10416
10°	15481	10364	8337	10364
15°	18988	10280	7762	10280
20°	22620	10149	7391	10149
25°	24018	9991	7308	9991
30°	20586	9875	7346	9875
35°	14318	9711	7423	9711
40°	10784	9517	7399	9517
45°	8954	9232	7305	9232
50°	8020	8646	7239	8646
55°	7499	8015	7148	8015
60°	7035	7356	7076	7356
65°	6612	6706	6849	6706
70°	6200	5964	6521	5964
75°	5552	5224	5976	5224
80°	4866	4283	5151	4283
85°	3816	3112	3458	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.4
10°-20°	304.3	4.6
20°-30°	510.8	7.8
30°-40°	578.4	8.8
40°-50°	518.7	7.9
50°-60°	418.6	6.4
60°-70°	291.7	4.4
70°-80°	153.3	2.3
80°-90°	40.9	0.6
90°-100°	43.8	0.7
100°-110°	208.9	3.2
110°-120°	501.7	7.6
120°-130°	638.9	9.7
130°-140°	682.7	10.4
140°-150°	638.4	9.7
150°-160°	514.9	7.8
160°-170°	332.3	5.0
170°-180°	114.5	1.7
0°-30°	910.1	13.8
0°-40°	1488.4	22.6
0°-60°	2425.7	36.8
0°-90°	2911.5	44.2
90°-120°	754.5	11.5
90°-150°	2714.5	41.2
90°-180°	3676.0	55.8
0°-180°	6587.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	964	964	964	964	964	
5°	1145	964	854	964	1145	119
15°	1704	922	696	922	1704	492
25°	2022	841	615	841	2022	887
35°	1090	739	565	739	1090	708
45°	588	606	480	606	588	465
55°	400	427	381	427	400	359
65°	260	263	269	263	260	259
75°	134	126	144	126	134	143
85°	31	25	28	25	31	37
90°	27	1	27	1	27	14
95°	34	55	34	55	34	28
105°	39	267	39	267	39	90
115°	527	501	527	501	527	487
125°	720	706	720	706	720	643
135°	888	879	888	879	888	684
145°	1024	1014	1024	1014	1024	639
155°	1115	1117	1115	1117	1115	514
165°	1175	1178	1175	1178	1175	332
175°	1201	1206	1201	1206	1201	114
180°	1206	1206	1206	1206	1206	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1022.5	1021.8	1019.9	1021.5	1018.4	1014.3	1014.0	1010.2	999.3	998.6	995.7
5°	1144.7	1140.9	1140.5	1140.0	1133.5	1124.6	1107.8	1106.3	1084.0	1072.7	1059.3
7.5°	1302.8	1304.8	1298.0	1292.0	1272.0	1258.8	1240.8	1217.7	1190.3	1162.3	1143.7
10°	1416.4	1431.7	1412.6	1399.5	1387.4	1364.5	1337.9	1304.8	1271.7	1232.9	1203.5
12.5°	1538.1	1545.7	1541.9	1529.6	1510.6	1475.9	1428.7	1392.1	1361.6	1297.1	1271.0
15°	1703.9	1732.4	1714.2	1672.1	1673.1	1639.9	1578.3	1510.6	1474.7	1418.2	1341.2
17.5°	1880.5	1884.1	1876.3	1841.4	1818.0	1772.5	1715.6	1650.7	1577.9	1509.5	1427.8
20°	1974.7	1971.8	1955.5	1937.3	1897.2	1861.7	1799.7	1727.2	1633.9	1566.6	1477.5
22.5°	2026.9	2022.3	2014.6	1999.3	1965.9	1927.8	1872.1	1793.0	1704.1	1611.5	1508.5
25°	2022.3	2028.4	2029.3	2025.1	2013.4	1990.6	1946.7	1883.6	1794.9	1675.9	1568.5
27.5°	1839.3	1847.9	1872.9	1895.0	1919.7	1944.9	1941.5	1910.2	1844.6	1741.9	1610.5
30°	1656.3	1637.6	1683.8	1742.2	1781.9	1851.9	1891.1	1893.5	1856.5	1768.4	1640.4
32.5°	1402.3	1422.9	1443.3	1515.1	1601.9	1680.5	1758.5	1821.4	1828.5	1769.9	1658.0
35°	1089.6	1115.3	1152.6	1189.9	1283.4	1363.6	1500.8	1620.3	1715.6	1728.2	1659.6
37.5°	878.0	890.7	914.4	951.7	1012.8	1108.0	1214.2	1365.3	1503.2	1605.9	1610.3
40°	767.5	771.2	797.8	826.3	875.7	954.2	1049.9	1183.4	1348.6	1492.0	1551.8
42.5°	684.6	692.8	704.1	731.4	770.8	829.8	918.8	1029.1	1180.6	1345.6	1462.5
45°	588.2	597.5	604.6	622.8	650.8	690.5	752.5	853.4	968.7	1139.1	1296.4
47.5°	524.5	525.3	530.5	544.2	563.3	593.1	636.9	701.8	807.6	945.7	1107.3
50°	478.9	486.4	488.3	499.0	514.0	535.9	572.3	627.4	714.3	835.6	984.1
52.5°	446.8	449.1	454.3	462.1	475.1	492.2	523.8	566.9	635.1	738.5	875.0
55°	399.6	399.6	404.7	410.8	418.3	433.6	454.7	486.4	538.2	618.6	731.6
57.5°	355.9	358.2	361.9	363.7	370.1	380.3	397.8	422.0	460.6	522.4	612.2
60°	326.8	331.0	330.6	334.2	339.8	347.8	362.7	382.4	416.9	466.4	542.0
62.5°	301.4	301.1	301.0	305.5	311.1	318.7	328.3	345.4	374.7	418.6	483.0
65°	259.6	258.6	261.9	264.7	266.5	272.2	279.6	294.5	314.1	346.9	396.8
67.5°	222.4	219.7	221.5	222.4	225.6	230.0	236.9	246.2	261.8	288.0	325.7
70°	197.0	194.7	194.2	195.1	198.0	201.2	206.3	215.2	229.7	250.7	278.2
72.5°	170.9	169.2	169.2	171.2	172.5	174.7	178.3	186.5	198.0	213.7	239.4
75°	133.5	133.5	133.5	133.9	135.4	137.2	140.1	144.3	153.1	164.3	181.6
77.5°	100.0	100.0	99.4	99.3	101.4	102.3	102.9	106.8	111.7	119.3	131.9
80°	78.5	76.1	77.0	78.5	79.4	79.8	81.2	82.1	86.4	90.6	99.4
82.5°	58.2	56.3	56.4	58.7	58.9	59.3	60.7	62.0	63.6	67.4	72.1
85°	30.9	30.9	31.3	31.3	31.7	31.3	32.6	33.2	33.2	35.5	38.3
87.5°	16.6	15.8	16.1	16.3	15.9	16.1	16.3	16.6	16.8	17.0	16.9
90°	26.8	26.5	26.0	25.7	25.2	24.7	23.9	23.1	22.3	21.5	18.9
92.5°	29.7	29.5	29.2	29.0	28.8	28.0	26.8	25.5	24.2	22.9	21.0
95°	34.1	34.1	34.1	34.1	34.1	33.3	31.9	30.6	29.2	27.7	25.6
97.5°	36.9	36.7	36.5	36.3	36.1	35.2	33.6	32.0	30.4	28.8	43.2
100°	37.6	37.5	37.2	37.0	36.8	35.9	34.3	32.7	31.1	29.5	60.6
102.5°	38.3	38.0	37.6	37.3	36.9	39.1	44.1	49.0	54.0	58.9	92.8
105°	39.4	39.0	38.6	38.3	37.8	55.2	90.4	125.7	161.0	196.2	214.1
107.5°	123.8	150.3	176.9	203.4	230.0	256.2	282.0	307.8	333.7	359.5	356.7
110°	246.3	274.7	303.2	331.7	360.2	377.6	384.2	390.8	397.3	403.9	401.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	422.6	428.6	434.6	440.6	446.6	449.5	449.4	449.3	449.2	449.1	446.9
115°	526.6	525.8	525.0	524.2	523.4	522.1	520.0	518.1	516.1	514.1	512.3
117.5°	585.1	584.9	584.7	584.5	584.4	583.5	581.9	580.3	578.7	577.1	576.2
120°	625.2	625.2	625.2	625.2	625.2	624.4	622.8	621.2	619.6	618.0	617.4
122.5°	664.6	664.4	664.2	664.1	664.0	663.3	662.2	661.0	660.0	658.8	658.1
125°	720.1	719.7	719.3	718.9	718.5	718.1	717.7	717.3	716.9	716.5	715.7
127.5°	773.5	773.9	774.3	774.6	775.1	775.0	774.3	773.6	773.0	772.4	771.4
130°	807.9	808.2	808.7	809.0	809.5	809.2	808.4	807.7	806.9	806.1	805.3
132.5°	839.4	840.0	840.5	841.1	841.6	841.5	840.7	839.9	839.1	838.3	837.7
135°	887.6	888.1	888.8	889.4	889.9	889.9	889.4	888.8	888.1	887.6	886.8
137.5°	932.9	933.3	933.7	934.1	934.5	934.2	933.3	932.3	931.3	930.4	930.0
140°	960.1	960.6	960.9	961.4	961.7	961.5	960.7	959.9	959.1	958.3	957.7
142.5°	985.2	985.8	986.3	986.9	987.4	987.4	986.8	986.1	985.5	984.8	984.3
145°	1023.7	1023.7	1023.7	1023.7	1023.7	1023.5	1023.1	1022.7	1022.3	1021.9	1021.5
147.5°	1052.4	1053.3	1054.2	1055.2	1056.1	1056.3	1055.9	1055.5	1055.1	1054.7	1054.3
150°	1073.9	1074.5	1075.0	1075.7	1076.3	1076.4	1075.9	1075.6	1075.1	1074.8	1074.3
152.5°	1091.1	1092.0	1092.9	1093.8	1094.8	1094.8	1094.1	1093.4	1092.7	1092.0	1091.7
155°	1115.1	1116.2	1117.5	1118.7	1119.8	1120.0	1118.9	1117.9	1117.0	1116.0	1115.8
157.5°	1135.3	1136.8	1138.4	1140.0	1141.5	1141.7	1140.5	1139.3	1138.1	1136.9	1137.1
160°	1148.2	1149.6	1151.0	1152.4	1153.8	1153.9	1152.7	1151.5	1150.3	1149.1	1149.3
162.5°	1160.4	1161.6	1162.9	1164.1	1165.3	1165.3	1164.0	1162.5	1161.2	1159.8	1160.0
165°	1175.1	1176.4	1177.9	1179.3	1180.6	1180.5	1178.9	1177.3	1175.8	1174.2	1174.4
167.5°	1185.6	1187.2	1188.8	1190.4	1192.0	1192.0	1190.4	1188.8	1187.2	1185.6	1185.6
170°	1192.1	1193.6	1195.2	1196.9	1198.5	1198.5	1196.9	1195.2	1193.6	1192.1	1192.1
172.5°	1195.7	1197.4	1199.2	1201.0	1202.7	1202.7	1201.1	1199.6	1198.0	1196.4	1196.2
175°	1201.0	1202.7	1204.3	1205.9	1207.5	1207.6	1206.1	1204.7	1203.4	1201.9	1201.8
177.5°	1202.7	1204.3	1205.9	1207.5	1209.1	1209.2	1207.9	1206.7	1205.4	1204.1	1203.9
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	993.4	990.4	987.4	982.2	977.8	971.3	969.5	967.2	960.6	954.6	950.1
5°	1054.1	1042.9	1026.5	1011.6	999.5	983.1	973.8	964.0	950.0	937.4	927.1
7.5°	1117.6	1095.6	1070.1	1042.7	1017.1	992.5	972.6	954.8	935.2	916.7	902.2
10°	1168.0	1136.2	1100.8	1062.5	1029.8	998.1	971.4	948.2	922.9	901.0	882.8
12.5°	1225.5	1178.5	1129.5	1083.1	1044.4	1000.3	968.1	938.4	909.8	883.4	863.0
15°	1293.6	1233.9	1175.9	1112.0	1053.2	998.1	959.8	922.5	889.3	862.2	836.1
17.5°	1355.6	1287.9	1211.6	1133.8	1062.8	997.6	944.0	901.7	860.2	827.2	801.1
20°	1390.7	1313.7	1227.3	1146.6	1068.1	995.2	936.5	886.0	841.2	806.2	776.8
22.5°	1420.9	1330.8	1241.4	1155.1	1067.7	989.3	922.7	870.8	822.2	787.9	756.6
25°	1452.3	1344.4	1254.8	1153.5	1056.0	974.7	900.0	841.2	792.6	752.5	720.3
27.5°	1479.2	1343.5	1237.2	1128.2	1037.5	956.1	876.3	813.2	761.7	718.1	685.4
30°	1497.1	1345.4	1218.9	1111.1	1019.6	935.5	858.0	794.5	740.4	696.1	665.2
32.5°	1508.3	1344.3	1202.1	1087.2	991.1	916.9	838.2	772.5	716.8	673.2	643.5
35°	1514.8	1336.1	1173.1	1037.8	945.3	873.0	807.2	739.0	680.6	640.0	606.5
37.5°	1501.8	1318.8	1139.5	990.2	888.9	817.7	762.3	704.3	648.5	603.7	574.8
40°	1481.2	1307.6	1113.4	956.5	850.1	781.5	734.3	677.3	622.2	579.8	552.7
42.5°	1442.0	1284.8	1084.6	919.2	809.8	741.1	697.8	650.1	598.0	558.1	531.1
45°	1346.3	1235.2	1041.5	863.2	750.2	679.2	641.0	606.5	559.3	520.5	497.1
47.5°	1213.5	1160.7	979.1	804.1	688.0	619.7	580.0	552.1	517.7	486.4	464.0
50°	1121.3	1099.4	936.9	763.8	646.6	579.8	541.5	516.3	491.6	460.3	439.8
52.5°	1014.9	1028.4	887.6	721.9	604.3	538.7	502.7	482.7	460.2	434.5	416.6
55°	865.0	914.0	802.5	651.7	541.5	478.9	444.9	427.1	414.1	394.9	379.5
57.5°	724.7	787.1	710.4	579.3	479.8	425.9	393.2	373.8	365.4	355.4	343.3
60°	641.4	703.0	644.7	530.7	438.4	387.0	358.0	341.7	333.3	326.3	316.0
62.5°	567.1	629.5	580.4	481.5	397.6	350.0	324.9	308.9	302.3	298.6	289.9
65°	464.9	518.6	486.0	404.7	339.4	297.4	274.5	263.3	257.3	255.8	250.2
67.5°	378.4	419.3	395.5	335.7	284.3	248.0	228.5	219.0	214.4	213.9	209.7
70°	321.6	359.9	341.7	287.6	243.3	214.7	198.0	189.5	186.7	186.3	184.0
72.5°	277.6	304.3	289.8	244.6	210.4	184.5	172.2	163.4	160.2	160.9	159.3
75°	205.4	225.5	217.0	185.8	158.3	141.4	131.2	125.6	122.8	124.2	122.3
77.5°	147.8	160.5	152.9	131.3	114.3	102.1	94.6	91.1	88.6	88.5	87.7
80°	111.6	119.0	114.9	101.7	87.7	77.5	71.4	69.1	67.7	67.2	66.8
82.5°	79.5	85.8	80.9	71.9	62.3	56.2	52.8	49.7	48.7	49.0	48.4
85°	40.1	42.4	40.6	35.0	31.3	28.4	26.6	25.2	24.3	24.7	23.8
87.5°	17.1	16.9	15.3	13.4	12.2	10.7	10.3	9.2	8.8	9.2	9.2
90°	16.3	13.7	11.1	8.8	6.9	4.9	2.9	0.9	2.9	4.9	6.9
92.5°	19.0	17.1	15.2	14.4	15.0	15.5	16.1	16.7	16.1	15.5	15.0
95°	23.4	21.2	19.0	22.0	30.1	38.3	46.5	54.7	46.5	38.3	30.1
97.5°	57.5	71.9	86.1	95.1	98.8	102.5	106.1	109.8	106.1	102.5	98.8
100°	91.7	122.7	153.7	167.3	163.3	159.3	155.3	151.3	155.3	159.3	163.3
102.5°	126.8	160.7	194.6	210.1	207.2	204.4	201.5	198.7	201.5	204.4	207.2
105°	231.9	249.9	267.8	275.6	273.5	271.3	269.1	266.9	269.1	271.3	273.5
107.5°	353.8	351.1	348.2	345.9	344.2	342.4	340.6	338.9	340.6	342.4	344.2
110°	399.6	397.3	395.2	393.2	391.7	390.1	388.5	386.9	388.5	390.1	391.7



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	444.7	442.5	440.3	438.5	437.1	435.6	434.2	432.7	434.2	435.6	437.1
115°	510.5	508.7	506.9	505.4	504.3	503.0	501.9	500.7	501.9	503.0	504.3
117.5°	575.3	574.4	573.5	572.3	570.8	569.4	567.8	566.4	567.8	569.4	570.8
120°	616.8	616.2	615.6	614.4	612.6	610.8	609.0	607.3	609.0	610.8	612.6
122.5°	657.3	656.6	655.8	654.7	653.2	651.8	650.2	648.8	650.2	651.8	653.2
125°	714.9	714.1	713.4	712.1	710.5	708.9	707.4	705.8	707.4	708.9	710.5
127.5°	770.5	769.5	768.6	767.3	765.7	764.1	762.5	760.9	762.5	764.1	765.7
130°	804.5	803.7	802.9	801.7	800.1	798.5	796.9	795.3	796.9	798.5	800.1
132.5°	837.0	836.4	835.8	834.6	833.0	831.4	829.9	828.3	829.9	831.4	833.0
135°	886.0	885.2	884.4	883.4	882.2	881.0	879.9	878.6	879.9	881.0	882.2
137.5°	929.5	929.1	928.6	927.6	926.1	924.6	923.1	921.6	923.1	924.6	926.1
140°	957.2	956.5	955.9	955.0	953.9	952.7	951.5	950.3	951.5	952.7	953.9
142.5°	983.6	983.0	982.5	981.6	980.3	979.2	977.9	976.8	977.9	979.2	980.3
145°	1021.1	1020.7	1020.3	1019.4	1018.1	1016.6	1015.2	1013.9	1015.2	1016.6	1018.1
147.5°	1053.9	1053.5	1053.1	1052.5	1051.5	1050.6	1049.7	1048.8	1049.7	1050.6	1051.5
150°	1074.0	1073.5	1073.2	1072.6	1072.1	1071.5	1070.9	1070.3	1070.9	1071.5	1072.1
152.5°	1091.5	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9	1089.7	1089.9	1090.2	1090.5
155°	1115.5	1115.4	1115.2	1115.3	1115.7	1116.1	1116.4	1116.9	1116.4	1116.1	1115.7
157.5°	1137.3	1137.6	1137.7	1137.8	1137.9	1137.9	1138.0	1138.0	1138.0	1137.9	1137.9
160°	1149.5	1149.7	1149.9	1150.1	1150.3	1150.5	1150.7	1150.9	1150.7	1150.5	1150.3
162.5°	1160.3	1160.5	1160.7	1161.0	1161.5	1162.1	1162.5	1163.1	1162.5	1162.1	1161.5
165°	1174.6	1174.7	1175.0	1175.4	1176.0	1176.6	1177.1	1177.8	1177.1	1176.6	1176.0
167.5°	1185.6	1185.6	1185.6	1186.1	1186.9	1187.7	1188.5	1189.2	1188.5	1187.7	1186.9
170°	1192.1	1192.1	1192.1	1192.5	1193.3	1194.1	1194.9	1195.7	1194.9	1194.1	1193.3
172.5°	1196.1	1195.9	1195.8	1196.1	1197.1	1198.1	1199.0	1200.0	1199.0	1198.1	1197.1
175°	1201.6	1201.3	1201.1	1201.6	1202.6	1203.5	1204.5	1205.5	1204.5	1203.5	1202.6
177.5°	1203.8	1203.6	1203.5	1203.8	1204.6	1205.4	1206.1	1206.9	1206.1	1205.4	1204.6
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	947.4	944.9	941.1	935.5	931.0	923.9	923.9	925.1	925.1	924.7	923.9
5°	918.7	911.7	903.3	893.5	883.2	873.0	871.1	867.4	864.6	862.7	860.3
7.5°	888.4	875.9	863.7	850.0	837.5	827.2	819.9	814.0	810.1	806.0	803.1
10°	867.8	852.4	837.9	823.5	807.6	795.0	787.1	781.5	777.3	773.6	771.7
12.5°	843.6	825.9	809.9	796.2	778.8	765.9	758.3	755.7	750.7	742.9	738.8
15°	808.1	791.8	772.6	751.6	743.2	727.3	718.5	714.3	711.4	705.3	703.5
17.5°	777.8	756.3	734.9	719.2	703.6	690.7	685.7	680.6	676.8	671.8	670.4
20°	753.5	734.3	714.7	697.9	681.5	667.5	663.3	659.6	655.9	653.5	651.7
22.5°	728.8	709.7	693.4	677.7	660.3	651.1	646.6	642.5	639.8	638.3	636.4
25°	694.2	677.3	659.2	645.2	631.2	625.1	622.2	619.9	618.0	615.7	615.3
27.5°	663.2	644.9	630.1	617.1	607.0	601.9	599.2	598.1	598.5	599.3	599.9
30°	640.0	623.2	611.1	599.9	590.6	585.9	585.4	585.4	587.3	587.7	588.7
32.5°	618.8	604.9	592.8	581.9	574.9	571.7	573.5	573.5	575.0	576.1	577.8
35°	587.7	575.6	566.2	557.0	550.9	552.2	553.2	554.1	556.4	559.3	561.2
37.5°	558.1	547.6	537.9	530.6	527.8	530.3	532.5	534.5	537.3	539.4	541.3
40°	536.8	528.9	519.6	513.0	514.0	515.4	517.3	519.6	521.9	523.3	525.2
42.5°	517.0	508.7	501.7	496.2	497.6	499.4	500.4	501.7	504.4	506.8	508.0
45°	486.9	480.4	473.9	470.6	471.5	472.4	473.3	474.7	477.1	478.9	479.5
47.5°	453.0	448.4	444.1	440.9	442.4	442.0	443.2	446.2	446.9	448.1	450.7
50°	431.3	427.1	422.0	421.1	421.1	421.1	421.5	425.3	425.3	427.1	429.0
52.5°	407.4	404.7	401.4	399.8	399.0	399.0	401.0	402.9	403.6	406.3	408.1
55°	372.0	369.3	366.5	365.1	364.1	365.1	368.8	369.7	372.0	373.4	374.9
57.5°	335.2	333.1	330.8	330.0	329.8	331.1	333.1	335.9	336.5	340.8	343.0
60°	310.9	307.6	305.8	305.8	304.9	309.1	308.1	312.8	313.7	316.5	319.8
62.5°	285.9	281.5	280.7	280.7	282.0	283.3	284.5	286.6	289.1	292.6	295.2
65°	245.6	243.3	246.5	246.0	245.0	247.9	247.9	250.2	253.0	256.3	261.4
67.5°	207.3	206.2	206.4	206.4	207.9	209.5	210.7	212.8	216.2	219.6	222.9
70°	181.6	183.0	180.7	182.5	184.0	184.4	185.3	188.2	191.9	194.2	198.0
72.5°	156.6	156.5	156.8	157.5	158.9	159.7	160.7	163.9	168.0	170.0	172.9
75°	120.5	119.9	121.4	121.4	123.7	124.7	125.6	127.0	130.7	133.5	135.8
77.5°	87.9	88.5	88.2	89.8	89.2	89.3	92.2	93.6	94.0	99.5	100.8
80°	66.3	67.2	67.7	68.1	68.7	67.7	71.0	72.3	72.3	75.6	77.9
82.5°	47.6	48.2	49.4	49.8	49.9	50.9	51.2	52.2	53.3	54.8	57.8
85°	23.8	25.2	25.7	25.2	25.7	24.7	26.1	26.6	27.1	27.1	27.1
87.5°	9.3	10.1	10.3	11.1	11.2	12.1	12.3	11.7	11.9	13.1	11.8
90°	8.8	11.1	13.7	16.3	18.9	21.5	22.3	23.1	23.9	24.7	25.2
92.5°	14.4	15.2	17.1	19.0	21.0	22.9	24.2	25.5	26.8	28.0	28.8
95°	22.0	19.0	21.2	23.4	25.6	27.7	29.2	30.6	31.9	33.3	34.1
97.5°	95.1	86.1	71.9	57.5	43.2	28.8	30.4	32.0	33.6	35.2	36.1
100°	167.3	153.7	122.7	91.7	60.6	29.5	31.1	32.7	34.3	35.9	36.8
102.5°	210.1	194.6	160.7	126.8	92.8	58.9	54.0	49.0	44.1	39.1	36.9
105°	275.6	267.8	249.9	231.9	214.1	196.2	161.0	125.7	90.4	55.2	37.8
107.5°	345.9	348.2	351.1	353.8	356.7	359.5	333.7	307.8	282.0	256.2	230.0
110°	393.2	395.2	397.3	399.6	401.7	403.9	397.3	390.8	384.2	377.6	360.2



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	438.5	440.3	442.5	444.7	446.9	449.1	449.2	449.3	449.4	449.5	446.6
115°	505.4	506.9	508.7	510.5	512.3	514.1	516.1	518.1	520.0	522.1	523.4
117.5°	572.3	573.5	574.4	575.3	576.2	577.1	578.7	580.3	581.9	583.5	584.4
120°	614.4	615.6	616.2	616.8	617.4	618.0	619.6	621.2	622.8	624.4	625.2
122.5°	654.7	655.8	656.6	657.3	658.1	658.8	660.0	661.0	662.2	663.3	664.0
125°	712.1	713.4	714.1	714.9	715.7	716.5	716.9	717.3	717.7	718.1	718.5
127.5°	767.3	768.6	769.5	770.5	771.4	772.4	773.0	773.6	774.3	775.0	775.1
130°	801.7	802.9	803.7	804.5	805.3	806.1	806.9	807.7	808.4	809.2	809.5
132.5°	834.6	835.8	836.4	837.0	837.7	838.3	839.1	839.9	840.7	841.5	841.6
135°	883.4	884.4	885.2	886.0	886.8	887.6	888.1	888.8	889.4	889.9	889.9
137.5°	927.6	928.6	929.1	929.5	930.0	930.4	931.3	932.3	933.3	934.2	934.5
140°	955.0	955.9	956.5	957.2	957.7	958.3	959.1	959.9	960.7	961.5	961.7
142.5°	981.6	982.5	983.0	983.6	984.3	984.8	985.5	986.1	986.8	987.4	987.4
145°	1019.4	1020.3	1020.7	1021.1	1021.5	1021.9	1022.3	1022.7	1023.1	1023.5	1023.7
147.5°	1052.5	1053.1	1053.5	1053.9	1054.3	1054.7	1055.1	1055.5	1055.9	1056.3	1056.1
150°	1072.6	1073.2	1073.5	1074.0	1074.3	1074.8	1075.1	1075.6	1075.9	1076.4	1076.3
152.5°	1090.7	1091.0	1091.3	1091.5	1091.7	1092.0	1092.7	1093.4	1094.1	1094.8	1094.8
155°	1115.3	1115.2	1115.4	1115.5	1115.8	1116.0	1117.0	1117.9	1118.9	1120.0	1119.8
157.5°	1137.8	1137.7	1137.6	1137.3	1137.1	1136.9	1138.1	1139.3	1140.5	1141.7	1141.5
160°	1150.1	1149.9	1149.7	1149.5	1149.3	1149.1	1150.3	1151.5	1152.7	1153.9	1153.8
162.5°	1161.0	1160.7	1160.5	1160.3	1160.0	1159.8	1161.2	1162.5	1164.0	1165.3	1165.3
165°	1175.4	1175.0	1174.7	1174.6	1174.4	1174.2	1175.8	1177.3	1178.9	1180.5	1180.6
167.5°	1186.1	1185.6	1185.6	1185.6	1185.6	1185.6	1187.2	1188.8	1190.4	1192.0	1192.0
170°	1192.5	1192.1	1192.1	1192.1	1192.1	1192.1	1193.6	1195.2	1196.9	1198.5	1198.5
172.5°	1196.1	1195.8	1195.9	1196.1	1196.2	1196.4	1198.0	1199.6	1201.1	1202.7	1202.7
175°	1201.6	1201.1	1201.3	1201.6	1201.8	1201.9	1203.4	1204.7	1206.1	1207.6	1207.5
177.5°	1203.8	1203.5	1203.6	1203.8	1203.9	1204.1	1205.4	1206.7	1207.9	1209.2	1209.1
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	921.3	921.0	923.5	921.7	923.5	921.0	921.3	923.9	924.7	925.1	925.1
5°	857.6	859.0	854.3	854.3	854.3	859.0	857.6	860.3	862.7	864.6	867.4
7.5°	800.8	798.7	798.9	796.4	798.9	798.7	800.8	803.1	806.0	810.1	814.0
10°	766.1	763.3	762.3	762.8	762.3	763.3	766.1	771.7	773.6	777.3	781.5
12.5°	737.3	736.7	730.6	730.7	730.6	736.7	737.3	738.8	742.9	750.7	755.7
15°	703.5	694.6	693.7	696.5	693.7	694.6	703.5	703.5	705.3	711.4	714.3
17.5°	669.6	664.9	665.2	663.8	665.2	664.9	669.6	670.4	671.8	676.8	680.6
20°	651.7	648.9	648.5	645.2	648.5	648.9	651.7	651.7	653.5	655.9	659.6
22.5°	635.3	634.4	634.6	631.0	634.6	634.4	635.3	636.4	638.3	639.8	642.5
25°	614.8	617.2	615.3	615.3	615.3	617.2	614.8	615.3	615.7	618.0	619.9
27.5°	601.0	600.9	599.9	599.9	599.9	600.9	601.0	599.9	599.3	598.5	598.1
30°	590.6	590.0	591.0	591.0	591.0	590.0	590.6	588.7	587.7	587.3	585.4
32.5°	580.1	580.8	580.9	581.3	580.9	580.8	580.1	577.8	576.1	575.0	573.5
35°	563.9	564.4	565.8	564.9	565.8	564.4	563.9	561.2	559.3	556.4	554.1
37.5°	542.1	544.2	543.8	544.5	543.8	544.2	542.1	541.3	539.4	537.3	534.5
40°	525.7	527.1	526.6	526.6	526.6	527.1	525.7	525.2	523.3	521.9	519.6
42.5°	508.8	509.9	508.6	507.9	508.6	509.9	508.8	508.0	506.8	504.4	501.7
45°	481.3	480.4	481.8	479.9	481.8	480.4	481.3	479.5	478.9	477.1	474.7
47.5°	450.5	451.4	451.8	453.2	451.8	451.4	450.5	450.7	448.1	446.9	446.2
50°	430.0	432.7	432.7	432.3	432.7	432.7	430.0	429.0	427.1	425.3	425.3
52.5°	409.7	411.1	413.0	412.9	413.0	411.1	409.7	408.1	406.3	403.6	402.9
55°	378.6	379.5	380.5	380.9	380.5	379.5	378.6	374.9	373.4	372.0	369.7
57.5°	346.3	345.9	348.1	348.8	348.1	345.9	346.3	343.0	340.8	336.5	335.9
60°	323.5	323.5	327.3	328.7	327.3	323.5	323.5	319.8	316.5	313.7	312.8
62.5°	299.3	300.8	304.4	302.5	304.4	300.8	299.3	295.2	292.6	289.1	286.6
65°	263.8	267.5	267.1	268.9	267.1	267.5	263.8	261.4	256.3	253.0	250.2
67.5°	226.7	229.0	232.4	232.6	232.4	229.0	226.7	222.9	219.6	216.2	212.8
70°	201.7	204.0	205.9	207.2	205.9	204.0	201.7	198.0	194.2	191.9	188.2
72.5°	177.4	178.6	183.1	181.1	183.1	178.6	177.4	172.9	170.0	168.0	163.9
75°	139.1	142.4	145.2	143.7	145.2	142.4	139.1	135.8	133.5	130.7	127.0
77.5°	102.9	106.1	107.5	106.3	107.5	106.1	102.9	100.8	99.5	94.0	93.6
80°	81.2	80.8	83.6	83.1	83.6	80.8	81.2	77.9	75.6	72.3	72.3
82.5°	59.6	59.1	60.4	60.7	60.4	59.1	59.6	57.8	54.8	53.3	52.2
85°	29.0	30.3	28.4	28.0	28.4	30.3	29.0	27.1	27.1	27.1	26.6
87.5°	11.9	11.9	11.7	11.3	11.7	11.9	11.9	11.8	13.1	11.9	11.7
90°	25.7	26.0	26.5	26.8	26.5	26.0	25.7	25.2	24.7	23.9	23.1
92.5°	29.0	29.2	29.5	29.7	29.5	29.2	29.0	28.8	28.0	26.8	25.5
95°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	33.3	31.9	30.6
97.5°	36.3	36.5	36.7	36.9	36.7	36.5	36.3	36.1	35.2	33.6	32.0
100°	37.0	37.2	37.5	37.6	37.5	37.2	37.0	36.8	35.9	34.3	32.7
102.5°	37.3	37.6	38.0	38.3	38.0	37.6	37.3	36.9	39.1	44.1	49.0
105°	38.3	38.6	39.0	39.4	39.0	38.6	38.3	37.8	55.2	90.4	125.7
107.5°	203.4	176.9	150.3	123.8	150.3	176.9	203.4	230.0	256.2	282.0	307.8
110°	331.7	303.2	274.7	246.3	274.7	303.2	331.7	360.2	377.6	384.2	390.8



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	440.6	434.6	428.6	422.6	428.6	434.6	440.6	446.6	449.5	449.4	449.3
115°	524.2	525.0	525.8	526.6	525.8	525.0	524.2	523.4	522.1	520.0	518.1
117.5°	584.5	584.7	584.9	585.1	584.9	584.7	584.5	584.4	583.5	581.9	580.3
120°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	624.4	622.8	621.2
122.5°	664.1	664.2	664.4	664.6	664.4	664.2	664.1	664.0	663.3	662.2	661.0
125°	718.9	719.3	719.7	720.1	719.7	719.3	718.9	718.5	718.1	717.7	717.3
127.5°	774.6	774.3	773.9	773.5	773.9	774.3	774.6	775.1	775.0	774.3	773.6
130°	809.0	808.7	808.2	807.9	808.2	808.7	809.0	809.5	809.2	808.4	807.7
132.5°	841.1	840.5	840.0	839.4	840.0	840.5	841.1	841.6	841.5	840.7	839.9
135°	889.4	888.8	888.1	887.6	888.1	888.8	889.4	889.9	889.9	889.4	888.8
137.5°	934.1	933.7	933.3	932.9	933.3	933.7	934.1	934.5	934.2	933.3	932.3
140°	961.4	960.9	960.6	960.1	960.6	960.9	961.4	961.7	961.5	960.7	959.9
142.5°	986.9	986.3	985.8	985.2	985.8	986.3	986.9	987.4	987.4	986.8	986.1
145°	1023.7	1023.7	1023.7	1023.7	1023.7	1023.7	1023.7	1023.7	1023.5	1023.1	1022.7
147.5°	1055.2	1054.2	1053.3	1052.4	1053.3	1054.2	1055.2	1056.1	1056.3	1055.9	1055.5
150°	1075.7	1075.0	1074.5	1073.9	1074.5	1075.0	1075.7	1076.3	1076.4	1075.9	1075.6
152.5°	1093.8	1092.9	1092.0	1091.1	1092.0	1092.9	1093.8	1094.8	1094.8	1094.1	1093.4
155°	1118.7	1117.5	1116.2	1115.1	1116.2	1117.5	1118.7	1119.8	1120.0	1118.9	1117.9
157.5°	1140.0	1138.4	1136.8	1135.3	1136.8	1138.4	1140.0	1141.5	1141.7	1140.5	1139.3
160°	1152.4	1151.0	1149.6	1148.2	1149.6	1151.0	1152.4	1153.8	1153.9	1152.7	1151.5
162.5°	1164.1	1162.9	1161.6	1160.4	1161.6	1162.9	1164.1	1165.3	1165.3	1164.0	1162.5
165°	1179.3	1177.9	1176.4	1175.1	1176.4	1177.9	1179.3	1180.6	1180.5	1178.9	1177.3
167.5°	1190.4	1188.8	1187.2	1185.6	1187.2	1188.8	1190.4	1192.0	1192.0	1190.4	1188.8
170°	1196.9	1195.2	1193.6	1192.1	1193.6	1195.2	1196.9	1198.5	1198.5	1196.9	1195.2
172.5°	1201.0	1199.2	1197.4	1195.7	1197.4	1199.2	1201.0	1202.7	1202.7	1201.1	1199.6
175°	1205.9	1204.3	1202.7	1201.0	1202.7	1204.3	1205.9	1207.5	1207.6	1206.1	1204.7
177.5°	1207.5	1205.9	1204.3	1202.7	1204.3	1205.9	1207.5	1209.1	1209.2	1207.9	1206.7
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	923.9	923.9	931.0	935.5	941.1	944.9	947.4	950.1	954.6	960.6	967.2
5°	871.1	873.0	883.2	893.5	903.3	911.7	918.7	927.1	937.4	950.0	964.0
7.5°	819.9	827.2	837.5	850.0	863.7	875.9	888.4	902.2	916.7	935.2	954.8
10°	787.1	795.0	807.6	823.5	837.9	852.4	867.8	882.8	901.0	922.9	948.2
12.5°	758.3	765.9	778.8	796.2	809.9	825.9	843.6	863.0	883.4	909.8	938.4
15°	718.5	727.3	743.2	751.6	772.6	791.8	808.1	836.1	862.2	889.3	922.5
17.5°	685.7	690.7	703.6	719.2	734.9	756.3	777.8	801.1	827.2	860.2	901.7
20°	663.3	667.5	681.5	697.9	714.7	734.3	753.5	776.8	806.2	841.2	886.0
22.5°	646.6	651.1	660.3	677.7	693.4	709.7	728.8	756.6	787.9	822.2	870.8
25°	622.2	625.1	631.2	645.2	659.2	677.3	694.2	720.3	752.5	792.6	841.2
27.5°	599.2	601.9	607.0	617.1	630.1	644.9	663.2	685.4	718.1	761.7	813.2
30°	585.4	585.9	590.6	599.9	611.1	623.2	640.0	665.2	696.1	740.4	794.5
32.5°	573.5	571.7	574.9	581.9	592.8	604.9	618.8	643.5	673.2	716.8	772.5
35°	553.2	552.2	550.9	557.0	566.2	575.6	587.7	606.5	640.0	680.6	739.0
37.5°	532.5	530.3	527.8	530.6	537.9	547.6	558.1	574.8	603.7	648.5	704.3
40°	517.3	515.4	514.0	513.0	519.6	528.9	536.8	552.7	579.8	622.2	677.3
42.5°	500.4	499.4	497.6	496.2	501.7	508.7	517.0	531.1	558.1	598.0	650.1
45°	473.3	472.4	471.5	470.6	473.9	480.4	486.9	497.1	520.5	559.3	606.5
47.5°	443.2	442.0	442.4	440.9	444.1	448.4	453.0	464.0	486.4	517.7	552.1
50°	421.5	421.1	421.1	421.1	422.0	427.1	431.3	439.8	460.3	491.6	516.3
52.5°	401.0	399.0	399.0	399.8	401.4	404.7	407.4	416.6	434.5	460.2	482.7
55°	368.8	365.1	364.1	365.1	366.5	369.3	372.0	379.5	394.9	414.1	427.1
57.5°	333.1	331.1	329.8	330.0	330.8	333.1	335.2	343.3	355.4	365.4	373.8
60°	308.1	309.1	304.9	305.8	305.8	307.6	310.9	316.0	326.3	333.3	341.7
62.5°	284.5	283.3	282.0	280.7	280.7	281.5	285.9	289.9	298.6	302.3	308.9
65°	247.9	247.9	245.0	246.0	246.5	243.3	245.6	250.2	255.8	257.3	263.3
67.5°	210.7	209.5	207.9	206.4	206.4	206.2	207.3	209.7	213.9	214.4	219.0
70°	185.3	184.4	184.0	182.5	180.7	183.0	181.6	184.0	186.3	186.7	189.5
72.5°	160.7	159.7	158.9	157.5	156.8	156.5	156.6	159.3	160.9	160.2	163.4
75°	125.6	124.7	123.7	121.4	121.4	119.9	120.5	122.3	124.2	122.8	125.6
77.5°	92.2	89.3	89.2	89.8	88.2	88.5	87.9	87.7	88.5	88.6	91.1
80°	71.0	67.7	68.7	68.1	67.7	67.2	66.3	66.8	67.2	67.7	69.1
82.5°	51.2	50.9	49.9	49.8	49.4	48.2	47.6	48.4	49.0	48.7	49.7
85°	26.1	24.7	25.7	25.2	25.7	25.2	23.8	23.8	24.7	24.3	25.2
87.5°	12.3	12.1	11.2	11.1	10.3	10.1	9.3	9.2	9.2	8.8	9.2
90°	22.3	21.5	18.9	16.3	13.7	11.1	8.8	6.9	4.9	2.9	0.9
92.5°	24.2	22.9	21.0	19.0	17.1	15.2	14.4	15.0	15.5	16.1	16.7
95°	29.2	27.7	25.6	23.4	21.2	19.0	22.0	30.1	38.3	46.5	54.7
97.5°	30.4	28.8	43.2	57.5	71.9	86.1	95.1	98.8	102.5	106.1	109.8
100°	31.1	29.5	60.6	91.7	122.7	153.7	167.3	163.3	159.3	155.3	151.3
102.5°	54.0	58.9	92.8	126.8	160.7	194.6	210.1	207.2	204.4	201.5	198.7
105°	161.0	196.2	214.1	231.9	249.9	267.8	275.6	273.5	271.3	269.1	266.9
107.5°	333.7	359.5	356.7	353.8	351.1	348.2	345.9	344.2	342.4	340.6	338.9
110°	397.3	403.9	401.7	399.6	397.3	395.2	393.2	391.7	390.1	388.5	386.9



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	449.2	449.1	446.9	444.7	442.5	440.3	438.5	437.1	435.6	434.2	432.7
115°	516.1	514.1	512.3	510.5	508.7	506.9	505.4	504.3	503.0	501.9	500.7
117.5°	578.7	577.1	576.2	575.3	574.4	573.5	572.3	570.8	569.4	567.8	566.4
120°	619.6	618.0	617.4	616.8	616.2	615.6	614.4	612.6	610.8	609.0	607.3
122.5°	660.0	658.8	658.1	657.3	656.6	655.8	654.7	653.2	651.8	650.2	648.8
125°	716.9	716.5	715.7	714.9	714.1	713.4	712.1	710.5	708.9	707.4	705.8
127.5°	773.0	772.4	771.4	770.5	769.5	768.6	767.3	765.7	764.1	762.5	760.9
130°	806.9	806.1	805.3	804.5	803.7	802.9	801.7	800.1	798.5	796.9	795.3
132.5°	839.1	838.3	837.7	837.0	836.4	835.8	834.6	833.0	831.4	829.9	828.3
135°	888.1	887.6	886.8	886.0	885.2	884.4	883.4	882.2	881.0	879.9	878.6
137.5°	931.3	930.4	930.0	929.5	929.1	928.6	927.6	926.1	924.6	923.1	921.6
140°	959.1	958.3	957.7	957.2	956.5	955.9	955.0	953.9	952.7	951.5	950.3
142.5°	985.5	984.8	984.3	983.6	983.0	982.5	981.6	980.3	979.2	977.9	976.8
145°	1022.3	1021.9	1021.5	1021.1	1020.7	1020.3	1019.4	1018.1	1016.6	1015.2	1013.9
147.5°	1055.1	1054.7	1054.3	1053.9	1053.5	1053.1	1052.5	1051.5	1050.6	1049.7	1048.8
150°	1075.1	1074.8	1074.3	1074.0	1073.5	1073.2	1072.6	1072.1	1071.5	1070.9	1070.3
152.5°	1092.7	1092.0	1091.7	1091.5	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9	1089.7
155°	1117.0	1116.0	1115.8	1115.5	1115.4	1115.2	1115.3	1115.7	1116.1	1116.4	1116.9
157.5°	1138.1	1136.9	1137.1	1137.3	1137.6	1137.7	1137.8	1137.9	1137.9	1138.0	1138.0
160°	1150.3	1149.1	1149.3	1149.5	1149.7	1149.9	1150.1	1150.3	1150.5	1150.7	1150.9
162.5°	1161.2	1159.8	1160.0	1160.3	1160.5	1160.7	1161.0	1161.5	1162.1	1162.5	1163.1
165°	1175.8	1174.2	1174.4	1174.6	1174.7	1175.0	1175.4	1176.0	1176.6	1177.1	1177.8
167.5°	1187.2	1185.6	1185.6	1185.6	1185.6	1185.6	1186.1	1186.9	1187.7	1188.5	1189.2
170°	1193.6	1192.1	1192.1	1192.1	1192.1	1192.1	1192.5	1193.3	1194.1	1194.9	1195.7
172.5°	1198.0	1196.4	1196.2	1196.1	1195.9	1195.8	1196.1	1197.1	1198.1	1199.0	1200.0
175°	1203.4	1201.9	1201.8	1201.6	1201.3	1201.1	1201.6	1202.6	1203.5	1204.5	1205.5
177.5°	1205.4	1204.1	1203.9	1203.8	1203.6	1203.5	1203.8	1204.6	1205.4	1206.1	1206.9
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



TEST NUMBER: P332162-940

CATALOG NUMBER: S123DIW-S775D1030U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	969.5	971.3	977.8	982.2	987.4	990.4	993.4	995.7	998.6	999.3	1010.2
5°	973.8	983.1	999.5	1011.6	1026.5	1042.9	1054.1	1059.3	1072.7	1084.0	1106.3
7.5°	972.6	992.5	1017.1	1042.7	1070.1	1095.6	1117.6	1143.7	1162.3	1190.3	1217.7
10°	971.4	998.1	1029.8	1062.5	1100.8	1136.2	1168.0	1203.5	1232.9	1271.7	1304.8
12.5°	968.1	1000.3	1044.4	1083.1	1129.5	1178.5	1225.5	1271.0	1297.1	1361.6	1392.1
15°	959.8	998.1	1053.2	1112.0	1175.9	1233.9	1293.6	1341.2	1418.2	1474.7	1510.6
17.5°	944.0	997.6	1062.8	1133.8	1211.6	1287.9	1355.6	1427.8	1509.5	1577.9	1650.7
20°	936.5	995.2	1068.1	1146.6	1227.3	1313.7	1390.7	1477.5	1566.6	1633.9	1727.2
22.5°	922.7	989.3	1067.7	1155.1	1241.4	1330.8	1420.9	1508.5	1611.5	1704.1	1793.0
25°	900.0	974.7	1056.0	1153.5	1254.8	1344.4	1452.3	1568.5	1675.9	1794.9	1883.6
27.5°	876.3	956.1	1037.5	1128.2	1237.2	1343.5	1479.2	1610.5	1741.9	1844.6	1910.2
30°	858.0	935.5	1019.6	1111.1	1218.9	1345.4	1497.1	1640.4	1768.4	1856.5	1893.5
32.5°	838.2	916.9	991.1	1087.2	1202.1	1344.3	1508.3	1658.0	1769.9	1828.5	1821.4
35°	807.2	873.0	945.3	1037.8	1173.1	1336.1	1514.8	1659.6	1728.2	1715.6	1620.3
37.5°	762.3	817.7	888.9	990.2	1139.5	1318.8	1501.8	1610.3	1605.9	1503.2	1365.3
40°	734.3	781.5	850.1	956.5	1113.4	1307.6	1481.2	1551.8	1492.0	1348.6	1183.4
42.5°	697.8	741.1	809.8	919.2	1084.6	1284.8	1442.0	1462.5	1345.6	1180.6	1029.1
45°	641.0	679.2	750.2	863.2	1041.5	1235.2	1346.3	1296.4	1139.1	968.7	853.4
47.5°	580.0	619.7	688.0	804.1	979.1	1160.7	1213.5	1107.3	945.7	807.6	701.8
50°	541.5	579.8	646.6	763.8	936.9	1099.4	1121.3	984.1	835.6	714.3	627.4
52.5°	502.7	538.7	604.3	721.9	887.6	1028.4	1014.9	875.0	738.5	635.1	566.9
55°	444.9	478.9	541.5	651.7	802.5	914.0	865.0	731.6	618.6	538.2	486.4
57.5°	393.2	425.9	479.8	579.3	710.4	787.1	724.7	612.2	522.4	460.6	422.0
60°	358.0	387.0	438.4	530.7	644.7	703.0	641.4	542.0	466.4	416.9	382.4
62.5°	324.9	350.0	397.6	481.5	580.4	629.5	567.1	483.0	418.6	374.7	345.4
65°	274.5	297.4	339.4	404.7	486.0	518.6	464.9	396.8	346.9	314.1	294.5
67.5°	228.5	248.0	284.3	335.7	395.5	419.3	378.4	325.7	288.0	261.8	246.2
70°	198.0	214.7	243.3	287.6	341.7	359.9	321.6	278.2	250.7	229.7	215.2
72.5°	172.2	184.5	210.4	244.6	289.8	304.3	277.6	239.4	213.7	198.0	186.5
75°	131.2	141.4	158.3	185.8	217.0	225.5	205.4	181.6	164.3	153.1	144.3
77.5°	94.6	102.1	114.3	131.3	152.9	160.5	147.8	131.9	119.3	111.7	106.8
80°	71.4	77.5	87.7	101.7	114.9	119.0	111.6	99.4	90.6	86.4	82.1
82.5°	52.8	56.2	62.3	71.9	80.9	85.8	79.5	72.1	67.4	63.6	62.0
85°	26.6	28.4	31.3	35.0	40.6	42.4	40.1	38.3	35.5	33.2	33.2
87.5°	10.3	10.7	12.2	13.4	15.3	16.9	17.1	16.9	17.0	16.8	16.6
90°	2.9	4.9	6.9	8.8	11.1	13.7	16.3	18.9	21.5	22.3	23.1
92.5°	16.1	15.5	15.0	14.4	15.2	17.1	19.0	21.0	22.9	24.2	25.5
95°	46.5	38.3	30.1	22.0	19.0	21.2	23.4	25.6	27.7	29.2	30.6
97.5°	106.1	102.5	98.8	95.1	86.1	71.9	57.5	43.2	28.8	30.4	32.0
100°	155.3	159.3	163.3	167.3	153.7	122.7	91.7	60.6	29.5	31.1	32.7
102.5°	201.5	204.4	207.2	210.1	194.6	160.7	126.8	92.8	58.9	54.0	49.0
105°	269.1	271.3	273.5	275.6	267.8	249.9	231.9	214.1	196.2	161.0	125.7
107.5°	340.6	342.4	344.2	345.9	348.2	351.1	353.8	356.7	359.5	333.7	307.8
110°	388.5	390.1	391.7	393.2	395.2	397.3	399.6	401.7	403.9	397.3	390.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.2	435.6	437.1	438.5	440.3	442.5	444.7	446.9	449.1	449.2	449.3
115°	501.9	503.0	504.3	505.4	506.9	508.7	510.5	512.3	514.1	516.1	518.1
117.5°	567.8	569.4	570.8	572.3	573.5	574.4	575.3	576.2	577.1	578.7	580.3
120°	609.0	610.8	612.6	614.4	615.6	616.2	616.8	617.4	618.0	619.6	621.2
122.5°	650.2	651.8	653.2	654.7	655.8	656.6	657.3	658.1	658.8	660.0	661.0
125°	707.4	708.9	710.5	712.1	713.4	714.1	714.9	715.7	716.5	716.9	717.3
127.5°	762.5	764.1	765.7	767.3	768.6	769.5	770.5	771.4	772.4	773.0	773.6
130°	796.9	798.5	800.1	801.7	802.9	803.7	804.5	805.3	806.1	806.9	807.7
132.5°	829.9	831.4	833.0	834.6	835.8	836.4	837.0	837.7	838.3	839.1	839.9
135°	879.9	881.0	882.2	883.4	884.4	885.2	886.0	886.8	887.6	888.1	888.8
137.5°	923.1	924.6	926.1	927.6	928.6	929.1	929.5	930.0	930.4	931.3	932.3
140°	951.5	952.7	953.9	955.0	955.9	956.5	957.2	957.7	958.3	959.1	959.9
142.5°	977.9	979.2	980.3	981.6	982.5	983.0	983.6	984.3	984.8	985.5	986.1
145°	1015.2	1016.6	1018.1	1019.4	1020.3	1020.7	1021.1	1021.5	1021.9	1022.3	1022.7
147.5°	1049.7	1050.6	1051.5	1052.5	1053.1	1053.5	1053.9	1054.3	1054.7	1055.1	1055.5
150°	1070.9	1071.5	1072.1	1072.6	1073.2	1073.5	1074.0	1074.3	1074.8	1075.1	1075.6
152.5°	1089.9	1090.2	1090.5	1090.7	1091.0	1091.3	1091.5	1091.7	1092.0	1092.7	1093.4
155°	1116.4	1116.1	1115.7	1115.3	1115.2	1115.4	1115.5	1115.8	1116.0	1117.0	1117.9
157.5°	1138.0	1137.9	1137.9	1137.8	1137.7	1137.6	1137.3	1137.1	1136.9	1138.1	1139.3
160°	1150.7	1150.5	1150.3	1150.1	1149.9	1149.7	1149.5	1149.3	1149.1	1150.3	1151.5
162.5°	1162.5	1162.1	1161.5	1161.0	1160.7	1160.5	1160.3	1160.0	1159.8	1161.2	1162.5
165°	1177.1	1176.6	1176.0	1175.4	1175.0	1174.7	1174.6	1174.4	1174.2	1175.8	1177.3
167.5°	1188.5	1187.7	1186.9	1186.1	1185.6	1185.6	1185.6	1185.6	1185.6	1187.2	1188.8
170°	1194.9	1194.1	1193.3	1192.5	1192.1	1192.1	1192.1	1192.1	1192.1	1193.6	1195.2
172.5°	1199.0	1198.1	1197.1	1196.1	1195.8	1195.9	1196.1	1196.2	1196.4	1198.0	1199.6
175°	1204.5	1203.5	1202.6	1201.6	1201.1	1201.3	1201.6	1201.8	1201.9	1203.4	1204.7
177.5°	1206.1	1205.4	1204.6	1203.8	1203.5	1203.6	1203.8	1203.9	1204.1	1205.4	1206.7
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1014.0	1014.3	1018.4	1021.5	1019.9	1021.8	1022.5
5°	1107.8	1124.6	1133.5	1140.0	1140.5	1140.9	1144.7
7.5°	1240.8	1258.8	1272.0	1292.0	1298.0	1304.8	1302.8
10°	1337.9	1364.5	1387.4	1399.5	1412.6	1431.7	1416.4
12.5°	1428.7	1475.9	1510.6	1529.6	1541.9	1545.7	1538.1
15°	1578.3	1639.9	1673.1	1672.1	1714.2	1732.4	1703.9
17.5°	1715.6	1772.5	1818.0	1841.4	1876.3	1884.1	1880.5
20°	1799.7	1861.7	1897.2	1937.3	1955.5	1971.8	1974.7
22.5°	1872.1	1927.8	1965.9	1999.3	2014.6	2022.3	2026.9
25°	1946.7	1990.6	2013.4	2025.1	2029.3	2028.4	2022.3
27.5°	1941.5	1944.9	1919.7	1895.0	1872.9	1847.9	1839.3
30°	1891.1	1851.9	1781.9	1742.2	1683.8	1637.6	1656.3
32.5°	1758.5	1680.5	1601.9	1515.1	1443.3	1422.9	1402.3
35°	1500.8	1363.6	1283.4	1189.9	1152.6	1115.3	1089.6
37.5°	1214.2	1108.0	1012.8	951.7	914.4	890.7	878.0
40°	1049.9	954.2	875.7	826.3	797.8	771.2	767.5
42.5°	918.8	829.8	770.8	731.4	704.1	692.8	684.6
45°	752.5	690.5	650.8	622.8	604.6	597.5	588.2
47.5°	636.9	593.1	563.3	544.2	530.5	525.3	524.5
50°	572.3	535.9	514.0	499.0	488.3	486.4	478.9
52.5°	523.8	492.2	475.1	462.1	454.3	449.1	446.8
55°	454.7	433.6	418.3	410.8	404.7	399.6	399.6
57.5°	397.8	380.3	370.1	363.7	361.9	358.2	355.9
60°	362.7	347.8	339.8	334.2	330.6	331.0	326.8
62.5°	328.3	318.7	311.1	305.5	301.0	301.1	301.4
65°	279.6	272.2	266.5	264.7	261.9	258.6	259.6
67.5°	236.9	230.0	225.6	222.4	221.5	219.7	222.4
70°	206.3	201.2	198.0	195.1	194.2	194.7	197.0
72.5°	178.3	174.7	172.5	171.2	169.2	169.2	170.9
75°	140.1	137.2	135.4	133.9	133.5	133.5	133.5
77.5°	102.9	102.3	101.4	99.3	99.4	100.0	100.0
80°	81.2	79.8	79.4	78.5	77.0	76.1	78.5
82.5°	60.7	59.3	58.9	58.7	56.4	56.3	58.2
85°	32.6	31.3	31.7	31.3	31.3	30.9	30.9
87.5°	16.3	16.1	15.9	16.3	16.1	15.8	16.6
90°	23.9	24.7	25.2	25.7	26.0	26.5	26.8
92.5°	26.8	28.0	28.8	29.0	29.2	29.5	29.7
95°	31.9	33.3	34.1	34.1	34.1	34.1	34.1
97.5°	33.6	35.2	36.1	36.3	36.5	36.7	36.9
100°	34.3	35.9	36.8	37.0	37.2	37.5	37.6
102.5°	44.1	39.1	36.9	37.3	37.6	38.0	38.3
105°	90.4	55.2	37.8	38.3	38.6	39.0	39.4
107.5°	282.0	256.2	230.0	203.4	176.9	150.3	123.8
110°	384.2	377.6	360.2	331.7	303.2	274.7	246.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	449.4	449.5	446.6	440.6	434.6	428.6	422.6
115°	520.0	522.1	523.4	524.2	525.0	525.8	526.6
117.5°	581.9	583.5	584.4	584.5	584.7	584.9	585.1
120°	622.8	624.4	625.2	625.2	625.2	625.2	625.2
122.5°	662.2	663.3	664.0	664.1	664.2	664.4	664.6
125°	717.7	718.1	718.5	718.9	719.3	719.7	720.1
127.5°	774.3	775.0	775.1	774.6	774.3	773.9	773.5
130°	808.4	809.2	809.5	809.0	808.7	808.2	807.9
132.5°	840.7	841.5	841.6	841.1	840.5	840.0	839.4
135°	889.4	889.9	889.9	889.4	888.8	888.1	887.6
137.5°	933.3	934.2	934.5	934.1	933.7	933.3	932.9
140°	960.7	961.5	961.7	961.4	960.9	960.6	960.1
142.5°	986.8	987.4	987.4	986.9	986.3	985.8	985.2
145°	1023.1	1023.5	1023.7	1023.7	1023.7	1023.7	1023.7
147.5°	1055.9	1056.3	1056.1	1055.2	1054.2	1053.3	1052.4
150°	1075.9	1076.4	1076.3	1075.7	1075.0	1074.5	1073.9
152.5°	1094.1	1094.8	1094.8	1093.8	1092.9	1092.0	1091.1
155°	1118.9	1120.0	1119.8	1118.7	1117.5	1116.2	1115.1
157.5°	1140.5	1141.7	1141.5	1140.0	1138.4	1136.8	1135.3
160°	1152.7	1153.9	1153.8	1152.4	1151.0	1149.6	1148.2
162.5°	1164.0	1165.3	1165.3	1164.1	1162.9	1161.6	1160.4
165°	1178.9	1180.5	1180.6	1179.3	1177.9	1176.4	1175.1
167.5°	1190.4	1192.0	1192.0	1190.4	1188.8	1187.2	1185.6
170°	1196.9	1198.5	1198.5	1196.9	1195.2	1193.6	1192.1
172.5°	1201.1	1202.7	1202.7	1201.0	1199.2	1197.4	1195.7
175°	1206.1	1207.6	1207.5	1205.9	1204.3	1202.7	1201.0
177.5°	1207.9	1209.2	1209.1	1207.5	1205.9	1204.3	1202.7
180°	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5	1205.5

(END OF REPORT)