

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: P333676-935

Luminaire Tested: **S125RDIW-S610D1560U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333676-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S610D1560U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7437.1 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

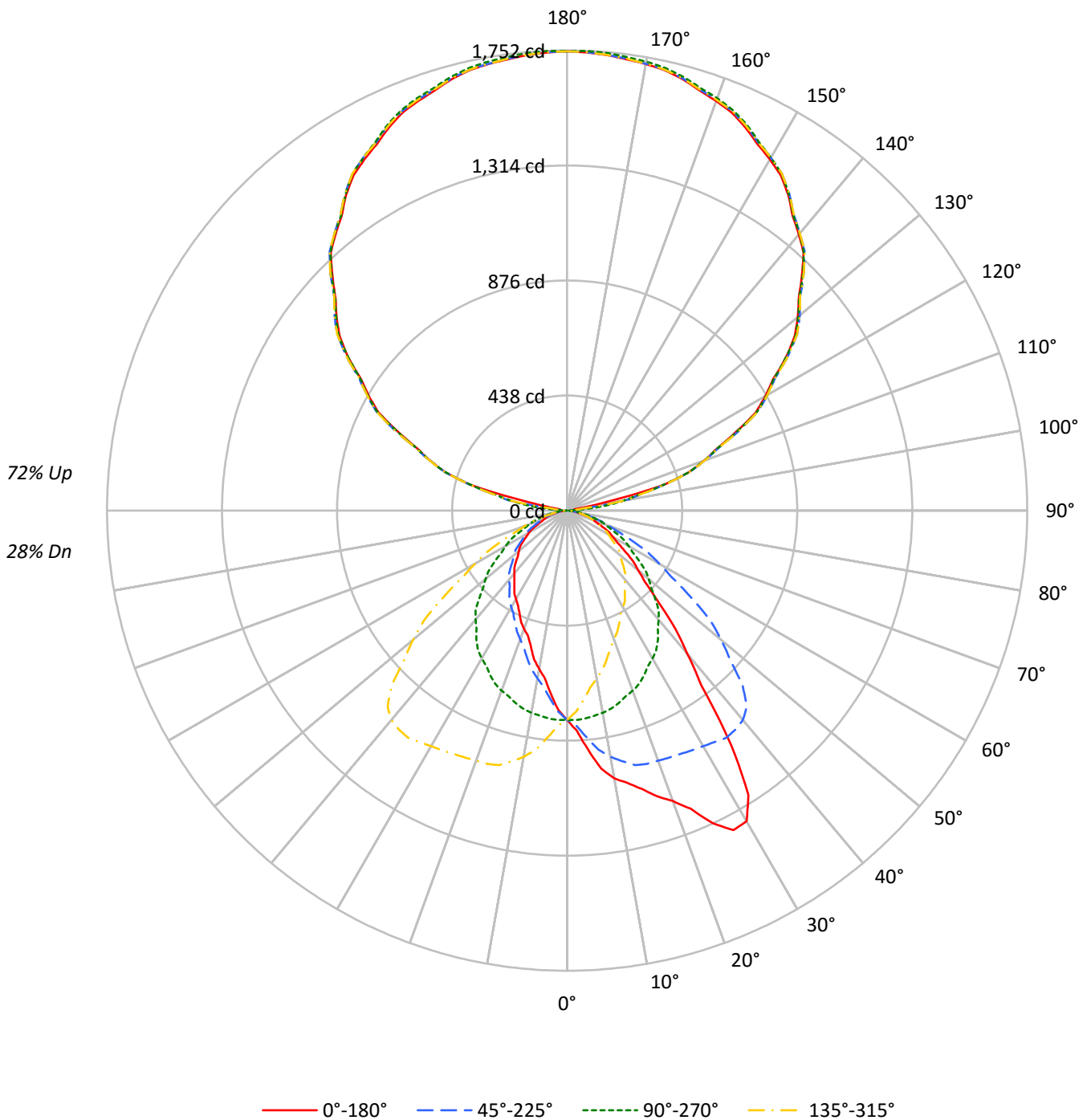
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	62	60	59	47	45	44	32	31	31	24
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	28	27	26	20
3	77	69	62	56	69	62	56	51	49	45	41	36	34	32	25	24	22	17
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15
5	65	54	46	41	58	49	42	37	39	34	30	29	26	24	20	19	17	13
6	60	48	41	35	53	44	37	32	35	30	26	26	23	21	19	17	15	12
7	55	43	36	31	49	39	33	28	31	27	23	24	21	18	17	15	13	10
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	13	12	9
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	33	26	21	40	30	24	20	24	19	16	18	15	13	13	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5146	5146	5146	5146
5°	5920	5153	4550	5153
10°	6791	5126	4015	5126
15°	7335	5073	3569	5073
20°	8088	5013	3296	5013
25°	9360	4932	3058	4932
30°	10185	4847	2902	4847
35°	8592	4747	2759	4747
40°	6000	4569	2636	4569
45°	4451	4328	2515	4328
50°	3550	4078	2411	4078
55°	3012	3768	2320	3768
60°	2603	3490	2173	3490
65°	2320	3189	1869	3189
70°	2039	2921	1703	2921
75°	1764	2530	1599	2530
80°	1339	2131	1339	2131
85°	1119	1675	1260	1675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.0
10°-20°	223.9	3.0
20°-30°	355.0	4.8
30°-40°	428.1	5.8
40°-50°	382.3	5.1
50°-60°	293.2	3.9
60°-70°	190.5	2.6
70°-80°	92.6	1.2
80°-90°	25.7	0.3
90°-100°	63.5	0.9
100°-110°	391.6	5.3
110°-120°	710.2	9.5
120°-130°	911.5	12.3
130°-140°	980.4	13.2
140°-150°	920.2	12.4
150°-160°	744.4	10.0
160°-170°	481.4	6.5
170°-180°	166.0	2.2
0°-30°	655.3	8.8
0°-40°	1083.4	14.6
0°-60°	1758.9	23.7
0°-90°	2067.9	27.8
90°-120°	1165.3	15.7
90°-150°	3977.4	53.5
90°-180°	5369.0	72.2
0°-180°	7437.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	797	797	797	797	797	
5°	913	795	702	795	913	91
15°	1097	759	534	759	1097	314
25°	1314	692	429	692	1314	603
35°	1090	602	350	602	1090	658
45°	487	474	275	474	487	389
55°	268	335	206	335	268	243
65°	152	209	122	209	152	151
75°	71	101	64	101	71	75
85°	15	23	17	23	15	18
90°	31	1	31	1	31	14
95°	27	74	27	74	27	22
105°	385	381	385	381	385	348
115°	710	716	710	716	710	705
125°	1017	1017	1017	1017	1017	905
135°	1264	1269	1264	1269	1264	975
145°	1467	1471	1467	1471	1467	916
155°	1608	1620	1608	1620	1608	741
165°	1700	1710	1700	1710	1700	480
175°	1741	1748	1741	1748	1741	166
180°	1748	1748	1748	1748	1748	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	838.1	837.6	838.6	835.7	836.0	831.6	831.6	828.1	823.7	820.3	818.7
5°	913.2	913.9	912.5	907.6	904.3	899.4	893.9	884.1	875.9	868.1	861.9
7.5°	990.5	990.9	986.6	985.2	976.9	970.9	958.6	945.2	933.3	918.3	906.8
10°	1035.5	1035.2	1030.6	1027.0	1019.8	1010.6	998.5	982.8	968.1	951.7	936.1
12.5°	1061.7	1060.8	1059.4	1055.0	1048.4	1040.2	1029.9	1014.5	996.3	978.4	960.2
15°	1097.0	1094.7	1090.5	1084.9	1075.4	1065.9	1054.5	1040.8	1023.4	1003.2	986.1
17.5°	1140.7	1140.7	1134.2	1126.5	1113.6	1096.8	1079.2	1057.0	1033.5	1011.2	993.1
20°	1176.8	1175.8	1169.2	1154.3	1139.5	1118.6	1098.3	1071.2	1042.4	1013.2	990.7
22.5°	1228.6	1226.1	1219.3	1199.5	1176.6	1149.7	1118.7	1085.5	1050.8	1017.7	988.1
25°	1313.5	1311.6	1298.1	1275.2	1243.2	1201.6	1161.1	1115.6	1065.6	1022.1	986.1
27.5°	1371.6	1369.4	1359.5	1340.5	1310.9	1267.2	1212.3	1151.6	1089.1	1029.2	977.3
30°	1365.8	1370.7	1369.4	1360.6	1338.3	1299.1	1248.4	1180.1	1105.8	1035.5	973.7
32.5°	1283.7	1288.1	1299.6	1316.9	1318.2	1302.5	1264.6	1201.5	1124.6	1044.7	970.8
35°	1089.8	1095.7	1117.9	1152.9	1198.7	1237.0	1244.8	1210.8	1141.8	1055.8	966.5
37.5°	837.8	870.0	888.7	925.6	994.7	1065.1	1132.8	1157.8	1128.4	1051.2	959.5
40°	711.7	719.5	752.9	794.4	852.6	925.9	1022.4	1092.1	1094.3	1040.8	948.5
42.5°	609.2	619.1	642.0	675.1	725.0	798.2	897.9	989.8	1032.3	1011.9	934.1
45°	487.3	494.8	511.5	537.0	575.3	635.8	721.5	827.9	912.2	945.2	895.5
47.5°	400.4	404.4	418.9	438.3	466.7	510.7	577.0	669.3	770.6	841.5	834.6
50°	353.3	357.8	368.9	383.7	407.5	444.8	497.8	574.6	679.0	765.7	783.0
52.5°	316.6	320.4	327.4	341.3	360.9	389.6	432.4	502.0	595.8	687.9	728.1
55°	267.5	270.2	275.7	283.5	299.3	319.9	356.8	404.9	480.8	573.7	632.6
57.5°	227.1	228.4	232.0	239.2	250.0	265.1	291.8	332.6	387.0	470.6	535.6
60°	201.5	202.8	207.3	212.2	220.8	234.5	255.5	283.9	336.2	405.3	471.0
62.5°	181.1	181.8	183.8	188.7	196.1	206.8	223.3	246.5	288.1	348.7	410.8
65°	151.8	152.1	152.7	156.7	161.3	169.1	179.9	196.2	227.6	273.5	328.4
67.5°	123.6	124.1	126.4	127.8	132.5	136.6	143.0	155.5	177.6	208.4	251.2
70°	108.0	107.6	109.9	111.5	113.1	118.0	122.3	132.4	146.2	169.8	205.4
72.5°	93.2	92.5	93.4	94.0	96.2	99.5	103.8	109.9	120.5	136.8	164.0
75°	70.7	70.9	70.9	71.6	73.3	74.6	75.9	79.1	85.1	95.8	110.6
77.5°	49.6	49.1	50.5	50.6	51.6	53.0	54.2	55.4	57.9	62.3	69.9
80°	36.0	36.0	36.3	37.3	36.9	37.6	39.3	40.6	43.5	46.1	48.7
82.5°	27.6	27.4	27.6	27.9	27.8	28.4	29.0	29.3	30.4	31.7	33.6
85°	15.1	15.1	15.4	15.4	15.7	15.7	16.0	16.0	16.0	16.4	16.7
87.5°	12.0	11.5	11.1	10.9	11.0	11.3	10.8	10.2	9.9	9.6	9.5
90°	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6	22.2	20.8	18.9
95°	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6	22.2	20.8	31.7
97.5°	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5	55.6	63.8	85.4
100°	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7	182.6	225.5	224.4
102.5°	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5	279.7	287.7	287.1
105°	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0	489.0	488.9	488.4
110°	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6	556.5	557.3	556.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5	622.6	623.7	623.4
115°	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9	722.0	723.2	723.0
117.5°	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9	818.4	819.9	818.8
120°	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9	879.5	880.0	879.2
122.5°	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0	938.6	939.2	938.7
125°	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2	1025.4	1026.5	1026.5
127.5°	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0	1103.6	1104.3	1104.5
130°	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4	1155.3	1156.2	1155.8
132.5°	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5	1202.6	1202.8	1203.4
135°	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9	1273.5	1274.1	1274.6
137.5°	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6	1338.5	1338.3	1338.9
140°	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9	1378.4	1377.8	1378.0
142.5°	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4	1418.3	1418.2	1417.8
145°	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3	1473.9	1473.7	1473.7
147.5°	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1	1521.7	1521.4	1521.0
150°	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6	1552.0	1551.4	1550.8
152.5°	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6	1579.0	1578.4	1577.9
155°	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7	1615.8	1615.0	1614.4
157.5°	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4	1646.5	1645.5	1645.5
160°	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5	1665.3	1664.2	1663.9
162.5°	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0	1682.4	1680.8	1680.5
165°	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5	1704.8	1703.1	1702.8
167.5°	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5	1721.5	1719.4	1719.2
170°	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3	1730.0	1727.7	1727.4
172.5°	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1	1737.1	1735.0	1734.5
175°	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5	1744.3	1742.0	1741.7
177.5°	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6	1748.0	1746.4	1746.1
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	818.7	816.9	813.5	810.4	806.4	803.1	800.6	797.8	794.1	789.7	786.0
5°	855.0	847.7	838.3	830.1	819.7	811.5	803.0	794.8	786.6	776.1	767.0
7.5°	895.1	880.3	865.8	847.7	831.1	816.4	802.3	788.0	774.0	759.1	744.8
10°	919.7	901.7	881.8	858.8	837.9	818.0	799.7	781.7	762.8	746.1	728.1
12.5°	942.7	919.5	896.7	867.8	842.7	818.3	795.0	772.6	752.3	730.6	711.3
15°	963.5	940.6	915.2	879.9	844.8	815.4	787.9	758.8	733.7	709.4	687.9
17.5°	971.6	947.6	917.9	884.0	845.8	808.7	773.4	741.4	711.8	683.5	659.3
20°	968.5	945.2	914.8	882.4	841.5	803.0	764.7	729.4	696.3	666.6	640.8
22.5°	960.9	936.9	907.5	873.3	834.5	793.5	752.7	715.0	680.4	649.5	621.4
25°	949.5	916.8	886.7	853.3	816.4	775.8	733.7	692.1	655.1	623.7	593.0
27.5°	937.6	896.8	858.6	825.4	786.4	750.2	709.5	666.9	628.0	596.1	564.6
30°	927.0	881.1	839.0	801.3	764.4	730.0	691.4	649.9	610.0	577.0	544.9
32.5°	913.6	864.9	818.6	775.2	739.5	705.4	670.5	630.8	591.9	557.8	525.3
35°	896.8	834.7	784.3	738.2	698.6	665.6	634.2	602.1	563.2	527.9	496.2
37.5°	874.9	804.3	746.1	695.8	654.1	620.9	596.2	566.8	531.3	497.5	468.0
40°	861.5	782.4	718.6	668.8	625.0	590.0	566.8	541.9	509.5	477.9	448.4
42.5°	843.7	762.2	690.9	639.0	595.0	561.3	537.8	516.1	488.9	459.0	427.5
45°	808.8	723.2	648.2	592.6	548.2	515.1	493.2	473.9	453.3	425.9	398.4
47.5°	763.4	682.4	604.0	543.3	499.7	469.1	447.8	432.6	417.8	394.5	367.8
50°	727.1	648.9	572.4	513.5	467.1	437.9	418.0	405.9	392.4	371.3	349.0
52.5°	684.2	614.4	539.4	479.2	435.4	408.1	388.9	376.9	365.8	348.4	327.3
55°	616.6	555.3	486.6	432.0	391.8	364.4	346.0	334.6	328.0	313.3	296.6
57.5°	538.5	494.6	434.1	381.4	345.9	318.7	305.3	295.6	288.2	277.8	266.0
60°	484.1	453.3	399.0	349.0	316.2	290.4	278.4	270.2	263.3	254.4	245.3
62.5°	428.9	406.5	359.3	316.2	286.2	264.5	253.2	245.8	237.9	232.0	223.1
65°	354.9	334.9	302.2	268.5	240.7	223.4	215.2	208.7	203.8	197.3	191.0
67.5°	276.0	267.9	245.4	222.1	202.2	186.8	179.7	175.1	169.2	165.3	161.0
70°	227.6	223.7	207.7	192.3	173.7	163.2	156.7	154.7	147.5	143.6	140.6
72.5°	184.8	182.9	173.7	163.0	149.9	140.7	134.7	132.4	127.9	124.8	122.9
75°	126.6	127.3	125.6	118.7	113.8	108.0	102.7	101.4	98.2	95.5	93.8
77.5°	80.1	83.4	83.5	83.2	81.3	77.7	75.5	74.5	71.3	70.3	69.9
80°	54.9	58.5	61.8	61.5	60.9	59.8	58.2	57.3	55.6	54.6	54.0
82.5°	36.6	40.0	42.7	44.5	44.3	43.4	42.3	41.8	41.5	40.7	40.6
85°	17.3	18.0	18.9	21.3	22.9	23.2	22.9	22.6	21.6	22.0	22.2
87.5°	9.4	9.0	8.8	8.4	7.7	8.5	8.9	8.6	8.6	8.5	8.4
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0	18.3	16.7	15.2
95°	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9	73.0	72.2	71.3
97.5°	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2	155.8	157.3	158.9
100°	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5	217.3	218.2	219.0
102.5°	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7	280.8	281.9	283.0
105°	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1	382.2	383.4	384.5
107.5°	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
110°	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7



TEST NUMBER: P333676-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1	619.7	620.4	621.1
115°	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5	716.9	718.3	719.8
117.5°	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3	815.2	815.1	815.1
120°	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4	877.2	876.9	876.6
122.5°	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5	933.5	934.6	935.7
125°	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4	1019.4	1021.5	1023.5
127.5°	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5	1100.0	1101.5	1102.9
130°	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3	1149.8	1151.2	1152.7
132.5°	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1	1199.8	1201.4	1203.2
135°	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9	1270.6	1272.4	1274.1
137.5°	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9	1335.4	1337.0	1338.4
140°	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5	1377.1	1377.6	1378.2
142.5°	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8	1415.1	1415.5	1415.8
145°	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1	1471.6	1472.2	1472.8
147.5°	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4	1520.2	1520.1	1520.0
150°	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1550.8	1550.3	1549.7
152.5°	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5	1580.3	1579.0	1577.7
155°	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1	1618.4	1616.7	1615.0
157.5°	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9	1648.9	1647.9	1646.8
160°	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7	1669.0	1667.2	1665.5
162.5°	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3	1685.6	1683.9	1682.0
165°	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6	1707.9	1706.1	1704.3
167.5°	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1	1724.4	1722.6	1720.8
170°	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5	1733.5	1731.5	1729.4
172.5°	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7	1739.7	1737.7	1735.7
175°	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4	1746.7	1745.0	1743.3
177.5°	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5	1750.2	1748.8	1747.4
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333676-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	783.4	779.7	777.1	771.9	768.2	766.6	763.8	763.0	765.9	763.8	763.5
5°	760.1	750.6	743.1	735.6	727.4	722.2	714.3	713.0	711.0	708.1	707.5
7.5°	732.2	719.8	710.2	697.7	686.9	678.2	668.4	663.7	661.2	657.4	652.3
10°	713.3	698.6	685.5	673.1	659.7	648.9	639.1	631.5	626.6	622.1	620.1
12.5°	694.7	679.8	663.1	648.0	633.0	620.9	610.0	605.1	599.7	594.3	589.8
15°	665.9	645.9	627.7	610.3	597.5	584.4	574.0	566.8	558.6	556.4	547.5
17.5°	635.3	615.7	594.3	576.0	561.3	546.8	535.4	527.2	521.0	512.6	508.5
20°	616.2	593.0	572.0	555.3	539.0	522.0	510.2	503.3	497.5	490.6	487.3
22.5°	595.8	573.1	551.6	532.1	515.5	498.7	490.3	483.2	476.6	470.2	465.9
25°	565.8	542.9	520.4	500.1	482.8	470.6	460.8	452.6	449.1	442.8	438.2
27.5°	536.2	511.9	488.4	468.2	454.6	442.6	434.6	428.2	421.6	416.2	412.2
30°	517.1	492.2	466.7	450.7	436.3	424.9	416.0	409.8	404.9	400.0	397.1
32.5°	498.0	472.3	449.7	432.4	418.8	408.9	399.8	393.8	388.7	383.2	379.8
35°	467.4	441.2	422.9	405.9	392.4	383.3	377.1	368.6	364.4	360.4	356.8
37.5°	438.9	414.6	394.8	379.9	368.2	359.1	351.1	346.5	341.3	337.8	334.8
40°	418.0	395.7	377.8	362.1	353.5	343.5	335.9	330.0	326.1	321.5	318.2
42.5°	399.2	378.5	361.0	346.9	336.3	327.7	320.5	314.6	309.6	306.3	303.6
45°	372.6	351.9	334.9	321.8	312.0	303.8	296.4	293.3	286.8	282.9	281.6
47.5°	345.0	326.6	310.1	298.1	288.0	280.3	273.2	267.3	263.6	259.8	257.7
50°	326.4	308.8	293.3	281.6	271.8	263.3	256.8	252.8	247.9	244.4	241.7
52.5°	307.8	291.4	276.1	264.8	256.3	247.9	240.6	236.6	232.0	229.6	227.8
55°	281.3	264.0	250.9	239.7	230.9	223.1	216.2	212.2	209.3	207.1	206.4
57.5°	251.2	237.5	225.3	215.2	206.1	198.7	192.7	189.0	186.4	186.1	184.1
60°	231.5	219.1	208.0	197.3	189.3	182.5	177.3	173.1	170.4	170.0	169.4
62.5°	212.0	200.0	189.7	180.2	173.1	166.5	161.6	156.8	155.2	153.6	152.1
65°	182.8	172.0	163.5	156.0	148.5	142.9	138.0	135.1	131.5	129.5	126.0
67.5°	154.2	145.9	137.7	131.4	125.4	120.2	116.1	111.8	109.3	107.7	105.1
70°	135.4	128.9	120.7	113.8	109.3	105.0	101.7	96.8	95.1	93.8	92.6
72.5°	117.6	111.8	105.0	99.4	94.9	90.8	87.0	84.8	83.2	81.8	81.0
75°	92.6	87.0	81.1	77.1	74.0	70.7	68.7	67.1	66.4	66.0	64.7
77.5°	67.9	65.0	60.3	57.2	55.0	53.7	51.9	51.1	51.1	49.6	49.2
80°	52.0	50.4	46.4	45.1	43.5	42.2	41.2	39.6	38.0	37.3	36.3
82.5°	38.7	37.0	35.5	33.3	32.0	31.2	30.2	29.6	29.8	28.9	28.4
85°	20.6	18.9	18.3	18.0	17.3	18.0	17.7	17.3	17.0	16.7	17.0
87.5°	8.6	9.0	9.2	10.2	9.7	10.4	10.7	10.8	11.0	11.3	11.3
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.6
92.5°	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6	25.1	26.5	27.4
95°	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6	25.1	26.5	27.2
97.5°	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5	39.4	31.3	27.2
100°	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7	96.8	53.9	31.9
102.5°	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5	263.4	255.3	241.4
105°	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.1
107.5°	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0	489.0	489.1	488.7
110°	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6	554.7	553.9	553.6



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CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5	620.4	619.3	618.5
115°	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9	719.8	718.6	717.2
117.5°	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9	815.5	813.9	812.8
120°	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9	878.3	877.8	876.8
122.5°	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0	937.5	936.9	935.7
125°	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2	1023.0	1021.9	1020.9
127.5°	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0	1102.4	1101.7	1100.4
130°	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4	1153.6	1152.7	1151.5
132.5°	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5	1202.3	1202.1	1201.3
135°	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9	1272.4	1271.8	1270.6
137.5°	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6	1338.7	1338.9	1338.2
140°	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9	1379.5	1380.1	1379.5
142.5°	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4	1418.6	1418.7	1417.9
145°	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3	1474.5	1474.8	1474.1
147.5°	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1	1522.4	1522.8	1521.9
150°	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6	1553.2	1553.8	1552.9
152.5°	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6	1580.1	1580.7	1579.9
155°	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7	1617.6	1618.4	1617.6
157.5°	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4	1648.3	1649.2	1648.6
160°	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5	1667.7	1668.8	1668.3
162.5°	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0	1685.7	1687.2	1686.8
165°	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5	1708.3	1710.0	1709.7
167.5°	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5	1725.6	1727.7	1727.4
170°	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3	1734.7	1736.9	1736.8
172.5°	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1	1741.2	1743.3	1743.0
175°	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5	1748.9	1751.2	1751.0
177.5°	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6	1751.2	1752.8	1752.7
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333676-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.3	760.3	759.6	760.6	759.6	760.3	763.3	763.5	763.8	765.9	763.0
5°	704.2	700.9	702.6	701.9	702.6	700.9	704.2	707.5	708.1	711.0	713.0
7.5°	652.2	648.2	643.9	645.2	643.9	648.2	652.2	652.3	657.4	661.2	663.7
10°	615.9	612.6	610.6	612.3	610.6	612.6	615.9	620.1	622.1	626.6	631.5
12.5°	585.2	583.3	581.6	580.9	581.6	583.3	585.2	589.8	594.3	599.7	605.1
15°	543.5	539.7	538.0	533.8	538.0	539.7	543.5	547.5	556.4	558.6	566.8
17.5°	505.1	503.9	499.6	497.8	499.6	503.9	505.1	508.5	512.6	521.0	527.2
20°	482.4	481.1	476.9	479.5	476.9	481.1	482.4	487.3	490.6	497.5	503.3
22.5°	463.6	460.7	459.3	458.6	459.3	460.7	463.6	465.9	470.2	476.6	483.2
25°	437.0	432.7	431.1	429.1	431.1	432.7	437.0	438.2	442.8	449.1	452.6
27.5°	410.4	408.1	406.0	405.4	406.0	408.1	410.4	412.2	416.2	421.6	428.2
30°	393.1	390.8	389.2	389.2	389.2	390.8	393.1	397.1	400.0	404.9	409.8
32.5°	377.7	375.9	374.3	374.0	374.3	375.9	377.7	379.8	383.2	388.7	393.8
35°	355.2	352.6	351.9	350.0	351.9	352.6	355.2	356.8	360.4	364.4	368.6
37.5°	331.8	329.7	329.6	329.4	329.6	329.7	331.8	334.8	337.8	341.3	346.5
40°	316.9	315.3	315.0	312.7	315.0	315.3	316.9	318.2	321.5	326.1	330.0
42.5°	301.0	300.1	299.0	298.0	299.0	300.1	301.0	303.6	306.3	309.6	314.6
45°	279.3	277.1	277.1	275.4	277.1	277.1	279.3	281.6	282.9	286.8	293.3
47.5°	256.9	255.2	255.4	253.7	255.4	255.2	256.9	257.7	259.8	263.6	267.3
50°	242.0	241.1	240.7	240.0	240.7	241.1	242.0	241.7	244.4	247.9	252.8
52.5°	227.1	226.7	227.9	226.4	227.9	226.7	227.1	227.8	229.6	232.0	236.6
55°	207.1	206.0	208.0	206.0	208.0	206.0	207.1	206.4	207.1	209.3	212.2
57.5°	183.9	183.0	184.8	183.8	184.8	183.0	183.9	184.1	186.1	186.4	189.0
60°	168.8	166.8	167.8	168.2	167.8	166.8	168.8	169.4	170.0	170.4	173.1
62.5°	150.7	149.6	150.2	148.8	150.2	149.6	150.7	152.1	153.6	155.2	156.8
65°	125.3	124.3	123.0	122.3	123.0	124.3	125.3	126.0	129.5	131.5	135.1
67.5°	105.2	102.9	102.8	103.3	102.8	102.9	105.2	105.1	107.7	109.3	111.8
70°	90.6	90.6	90.2	90.2	90.2	90.6	90.6	92.6	93.8	95.1	96.8
72.5°	80.4	80.2	79.6	79.3	79.6	80.2	80.4	81.0	81.8	83.2	84.8
75°	64.7	65.1	64.4	64.1	64.4	65.1	64.7	64.7	66.0	66.4	67.1
77.5°	47.8	46.4	47.2	46.4	47.2	46.4	47.8	49.2	49.6	51.1	51.1
80°	36.3	36.0	36.9	36.0	36.9	36.0	36.3	36.3	37.3	38.0	39.6
82.5°	28.8	28.4	28.8	28.2	28.8	28.4	28.8	28.4	28.9	29.8	29.6
85°	17.3	17.0	16.7	17.0	16.7	17.0	17.3	17.0	16.7	17.0	17.3
87.5°	11.7	11.6	11.8	12.0	11.8	11.6	11.7	11.3	11.3	11.0	10.8
90°	28.5	29.4	30.2	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6
92.5°	27.8	28.2	28.7	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6
95°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6
97.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5
100°	30.7	29.5	28.4	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7
102.5°	221.8	202.2	182.6	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5
105°	385.8	385.6	385.2	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2
107.5°	487.8	487.0	486.1	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0
110°	553.9	554.1	554.5	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6



TEST NUMBER: P333676-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	618.2	617.8	617.3	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5
115°	715.5	713.7	712.0	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9
117.5°	812.1	811.3	810.5	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9
120°	875.3	873.8	872.5	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9
122.5°	934.1	932.4	930.7	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0
125°	1020.0	1019.2	1018.3	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2
127.5°	1098.2	1096.1	1094.0	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0
130°	1150.1	1148.7	1147.2	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4
132.5°	1199.9	1198.4	1197.0	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5
135°	1268.9	1267.1	1265.4	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9
137.5°	1336.6	1335.2	1333.6	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6
140°	1377.8	1376.1	1374.3	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9
142.5°	1416.1	1414.4	1412.6	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4
145°	1472.4	1470.7	1469.0	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3
147.5°	1519.8	1517.8	1515.7	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1
150°	1550.6	1548.3	1546.0	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6
152.5°	1577.9	1575.8	1573.7	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6
155°	1615.4	1613.1	1610.8	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7
157.5°	1646.2	1643.9	1641.6	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4
160°	1665.9	1663.6	1661.3	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5
162.5°	1684.3	1681.7	1679.2	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0
165°	1707.4	1705.1	1702.8	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5
167.5°	1724.8	1722.3	1719.7	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5
170°	1734.2	1731.6	1729.0	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3
172.5°	1740.4	1737.8	1735.3	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1
175°	1748.4	1745.8	1743.3	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5
177.5°	1750.8	1749.0	1747.1	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333676-935

CATALOG NUMBER: S125RDIW-S610D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	763.8	766.6	768.2	771.9	777.1	779.7	783.4	786.0	789.7	794.1	797.8
5°	714.3	722.2	727.4	735.6	743.1	750.6	760.1	767.0	776.1	786.6	794.8
7.5°	668.4	678.2	686.9	697.7	710.2	719.8	732.2	744.8	759.1	774.0	788.0
10°	639.1	648.9	659.7	673.1	685.5	698.6	713.3	728.1	746.1	762.8	781.7
12.5°	610.0	620.9	633.0	648.0	663.1	679.8	694.7	711.3	730.6	752.3	772.6
15°	574.0	584.4	597.5	610.3	627.7	645.9	665.9	687.9	709.4	733.7	758.8
17.5°	535.4	546.8	561.3	576.0	594.3	615.7	635.3	659.3	683.5	711.8	741.4
20°	510.2	522.0	539.0	555.3	572.0	593.0	616.2	640.8	666.6	696.3	729.4
22.5°	490.3	498.7	515.5	532.1	551.6	573.1	595.8	621.4	649.5	680.4	715.0
25°	460.8	470.6	482.8	500.1	520.4	542.9	565.8	593.0	623.7	655.1	692.1
27.5°	434.6	442.6	454.6	468.2	488.4	511.9	536.2	564.6	596.1	628.0	666.9
30°	416.0	424.9	436.3	450.7	466.7	492.2	517.1	544.9	577.0	610.0	649.9
32.5°	399.8	408.9	418.8	432.4	449.7	472.3	498.0	525.3	557.8	591.9	630.8
35°	377.1	383.3	392.4	405.9	422.9	441.2	467.4	496.2	527.9	563.2	602.1
37.5°	351.1	359.1	368.2	379.9	394.8	414.6	438.9	468.0	497.5	531.3	566.8
40°	335.9	343.5	353.5	362.1	377.8	395.7	418.0	448.4	477.9	509.5	541.9
42.5°	320.5	327.7	336.3	346.9	361.0	378.5	399.2	427.5	459.0	488.9	516.1
45°	296.4	303.8	312.0	321.8	334.9	351.9	372.6	398.4	425.9	453.3	473.9
47.5°	273.2	280.3	288.0	298.1	310.1	326.6	345.0	367.8	394.5	417.8	432.6
50°	256.8	263.3	271.8	281.6	293.3	308.8	326.4	349.0	371.3	392.4	405.9
52.5°	240.6	247.9	256.3	264.8	276.1	291.4	307.8	327.3	348.4	365.8	376.9
55°	216.2	223.1	230.9	239.7	250.9	264.0	281.3	296.6	313.3	328.0	334.6
57.5°	192.7	198.7	206.1	215.2	225.3	237.5	251.2	266.0	277.8	288.2	295.6
60°	177.3	182.5	189.3	197.3	208.0	219.1	231.5	245.3	254.4	263.3	270.2
62.5°	161.6	166.5	173.1	180.2	189.7	200.0	212.0	223.1	232.0	237.9	245.8
65°	138.0	142.9	148.5	156.0	163.5	172.0	182.8	191.0	197.3	203.8	208.7
67.5°	116.1	120.2	125.4	131.4	137.7	145.9	154.2	161.0	165.3	169.2	175.1
70°	101.7	105.0	109.3	113.8	120.7	128.9	135.4	140.6	143.6	147.5	154.7
72.5°	87.0	90.8	94.9	99.4	105.0	111.8	117.6	122.9	124.8	127.9	132.4
75°	68.7	70.7	74.0	77.1	81.1	87.0	92.6	93.8	95.5	98.2	101.4
77.5°	51.9	53.7	55.0	57.2	60.3	65.0	67.9	69.9	70.3	71.3	74.5
80°	41.2	42.2	43.5	45.1	46.4	50.4	52.0	54.0	54.6	55.6	57.3
82.5°	30.2	31.2	32.0	33.3	35.5	37.0	38.7	40.6	40.7	41.5	41.8
85°	17.7	18.0	17.3	18.0	18.3	18.9	20.6	22.2	22.0	21.6	22.6
87.5°	10.7	10.4	9.7	10.2	9.2	9.0	8.6	8.4	8.5	8.6	8.6
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	22.2	20.8	18.9	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0
95°	22.2	20.8	31.7	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9
97.5°	55.6	63.8	85.4	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2
100°	182.6	225.5	224.4	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5
102.5°	279.7	287.7	287.1	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7
105°	386.2	386.2	386.2	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1
107.5°	489.0	488.9	488.4	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3
110°	556.5	557.3	556.7	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	622.6	623.7	623.4	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1
115°	722.0	723.2	723.0	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5
117.5°	818.4	819.9	818.8	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3
120°	879.5	880.0	879.2	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4
122.5°	938.6	939.2	938.7	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5
125°	1025.4	1026.5	1026.5	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4
127.5°	1103.6	1104.3	1104.5	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5
130°	1155.3	1156.2	1155.8	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3
132.5°	1202.6	1202.8	1203.4	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1
135°	1273.5	1274.1	1274.6	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9
137.5°	1338.5	1338.3	1338.9	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9
140°	1378.4	1377.8	1378.0	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5
142.5°	1418.3	1418.2	1417.8	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8
145°	1473.9	1473.7	1473.7	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1
147.5°	1521.7	1521.4	1521.0	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4
150°	1552.0	1551.4	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4
152.5°	1579.0	1578.4	1577.9	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5
155°	1615.8	1615.0	1614.4	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1
157.5°	1646.5	1645.5	1645.5	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9
160°	1665.3	1664.2	1663.9	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7
162.5°	1682.4	1680.8	1680.5	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3
165°	1704.8	1703.1	1702.8	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6
167.5°	1721.5	1719.4	1719.2	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1
170°	1730.0	1727.7	1727.4	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5
172.5°	1737.1	1735.0	1734.5	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7
175°	1744.3	1742.0	1741.7	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4
177.5°	1748.0	1746.4	1746.1	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333676-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	800.6	803.1	806.4	810.4	813.5	816.9	818.7	818.7	820.3	823.7	828.1
5°	803.0	811.5	819.7	830.1	838.3	847.7	855.0	861.9	868.1	875.9	884.1
7.5°	802.3	816.4	831.1	847.7	865.8	880.3	895.1	906.8	918.3	933.3	945.2
10°	799.7	818.0	837.9	858.8	881.8	901.7	919.7	936.1	951.7	968.1	982.8
12.5°	795.0	818.3	842.7	867.8	896.7	919.5	942.7	960.2	978.4	996.3	1014.5
15°	787.9	815.4	844.8	879.9	915.2	940.6	963.5	986.1	1003.2	1023.4	1040.8
17.5°	773.4	808.7	845.8	884.0	917.9	947.6	971.6	993.1	1011.2	1033.5	1057.0
20°	764.7	803.0	841.5	882.4	914.8	945.2	968.5	990.7	1013.2	1042.4	1071.2
22.5°	752.7	793.5	834.5	873.3	907.5	936.9	960.9	988.1	1017.7	1050.8	1085.5
25°	733.7	775.8	816.4	853.3	886.7	916.8	949.5	986.1	1022.1	1065.6	1115.6
27.5°	709.5	750.2	786.4	825.4	858.6	896.8	937.6	977.3	1029.2	1089.1	1151.6
30°	691.4	730.0	764.4	801.3	839.0	881.1	927.0	973.7	1035.5	1105.8	1180.1
32.5°	670.5	705.4	739.5	775.2	818.6	864.9	913.6	970.8	1044.7	1124.6	1201.5
35°	634.2	665.6	698.6	738.2	784.3	834.7	896.8	966.5	1055.8	1141.8	1210.8
37.5°	596.2	620.9	654.1	695.8	746.1	804.3	874.9	959.5	1051.2	1128.4	1157.8
40°	566.8	590.0	625.0	668.8	718.6	782.4	861.5	948.5	1040.8	1094.3	1092.1
42.5°	537.8	561.3	595.0	639.0	690.9	762.2	843.7	934.1	1011.9	1032.3	989.8
45°	493.2	515.1	548.2	592.6	648.2	723.2	808.8	895.5	945.2	912.2	827.9
47.5°	447.8	469.1	499.7	543.3	604.0	682.4	763.4	834.6	841.5	770.6	669.3
50°	418.0	437.9	467.1	513.5	572.4	648.9	727.1	783.0	765.7	679.0	574.6
52.5°	388.9	408.1	435.4	479.2	539.4	614.4	684.2	728.1	687.9	595.8	502.0
55°	346.0	364.4	391.8	432.0	486.6	555.3	616.6	632.6	573.7	480.8	404.9
57.5°	305.3	318.7	345.9	381.4	434.1	494.6	538.5	535.6	470.6	387.0	332.6
60°	278.4	290.4	316.2	349.0	399.0	453.3	484.1	471.0	405.3	336.2	283.9
62.5°	253.2	264.5	286.2	316.2	359.3	406.5	428.9	410.8	348.7	288.1	246.5
65°	215.2	223.4	240.7	268.5	302.2	334.9	354.9	328.4	273.5	227.6	196.2
67.5°	179.7	186.8	202.2	222.1	245.4	267.9	276.0	251.2	208.4	177.6	155.5
70°	156.7	163.2	173.7	192.3	207.7	223.7	227.6	205.4	169.8	146.2	132.4
72.5°	134.7	140.7	149.9	163.0	173.7	182.9	184.8	164.0	136.8	120.5	109.9
75°	102.7	108.0	113.8	118.7	125.6	127.3	126.6	110.6	95.8	85.1	79.1
77.5°	75.5	77.7	81.3	83.2	83.5	83.4	80.1	69.9	62.3	57.9	55.4
80°	58.2	59.8	60.9	61.5	61.8	58.5	54.9	48.7	46.1	43.5	40.6
82.5°	42.3	43.4	44.3	44.5	42.7	40.0	36.6	33.6	31.7	30.4	29.3
85°	22.9	23.2	22.9	21.3	18.9	18.0	17.3	16.7	16.4	16.0	16.0
87.5°	8.9	8.5	7.7	8.4	8.8	9.0	9.4	9.5	9.6	9.9	10.2
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	18.3	16.7	15.2	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6
95°	73.0	72.2	71.3	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6
97.5°	155.8	157.3	158.9	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5
100°	217.3	218.2	219.0	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7
102.5°	280.8	281.9	283.0	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5
105°	382.2	383.4	384.5	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	486.3	486.3	486.3	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0
110°	554.7	554.7	554.7	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	619.7	620.4	621.1	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5
115°	716.9	718.3	719.8	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9
117.5°	815.2	815.1	815.1	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9
120°	877.2	876.9	876.6	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9
122.5°	933.5	934.6	935.7	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0
125°	1019.4	1021.5	1023.5	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2
127.5°	1100.0	1101.5	1102.9	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0
130°	1149.8	1151.2	1152.7	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4
132.5°	1199.8	1201.4	1203.2	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5
135°	1270.6	1272.4	1274.1	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9
137.5°	1335.4	1337.0	1338.4	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6
140°	1377.1	1377.6	1378.2	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9
142.5°	1415.1	1415.5	1415.8	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4
145°	1471.6	1472.2	1472.8	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3
147.5°	1520.2	1520.1	1520.0	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1
150°	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6
152.5°	1580.3	1579.0	1577.7	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6
155°	1618.4	1616.7	1615.0	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7
157.5°	1648.9	1647.9	1646.8	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4
160°	1669.0	1667.2	1665.5	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5
162.5°	1685.6	1683.9	1682.0	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0
165°	1707.9	1706.1	1704.3	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5
167.5°	1724.4	1722.6	1720.8	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5
170°	1733.5	1731.5	1729.4	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3
172.5°	1739.7	1737.7	1735.7	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1
175°	1746.7	1745.0	1743.3	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5
177.5°	1750.2	1748.8	1747.4	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	831.6	831.6	836.0	835.7	838.6	837.6	838.1
5°	893.9	899.4	904.3	907.6	912.5	913.9	913.2
7.5°	958.6	970.9	976.9	985.2	986.6	990.9	990.5
10°	998.5	1010.6	1019.8	1027.0	1030.6	1035.2	1035.5
12.5°	1029.9	1040.2	1048.4	1055.0	1059.4	1060.8	1061.7
15°	1054.5	1065.9	1075.4	1084.9	1090.5	1094.7	1097.0
17.5°	1079.2	1096.8	1113.6	1126.5	1134.2	1140.7	1140.7
20°	1098.3	1118.6	1139.5	1154.3	1169.2	1175.8	1176.8
22.5°	1118.7	1149.7	1176.6	1199.5	1219.3	1226.1	1228.6
25°	1161.1	1201.6	1243.2	1275.2	1298.1	1311.6	1313.5
27.5°	1212.3	1267.2	1310.9	1340.5	1359.5	1369.4	1371.6
30°	1248.4	1299.1	1338.3	1360.6	1369.4	1370.7	1365.8
32.5°	1264.6	1302.5	1318.2	1316.9	1299.6	1288.1	1283.7
35°	1244.8	1237.0	1198.7	1152.9	1117.9	1095.7	1089.8
37.5°	1132.8	1065.1	994.7	925.6	888.7	870.0	837.8
40°	1022.4	925.9	852.6	794.4	752.9	719.5	711.7
42.5°	897.9	798.2	725.0	675.1	642.0	619.1	609.2
45°	721.5	635.8	575.3	537.0	511.5	494.8	487.3
47.5°	577.0	510.7	466.7	438.3	418.9	404.4	400.4
50°	497.8	444.8	407.5	383.7	368.9	357.8	353.3
52.5°	432.4	389.6	360.9	341.3	327.4	320.4	316.6
55°	356.8	319.9	299.3	283.5	275.7	270.2	267.5
57.5°	291.8	265.1	250.0	239.2	232.0	228.4	227.1
60°	255.5	234.5	220.8	212.2	207.3	202.8	201.5
62.5°	223.3	206.8	196.1	188.7	183.8	181.8	181.1
65°	179.9	169.1	161.3	156.7	152.7	152.1	151.8
67.5°	143.0	136.6	132.5	127.8	126.4	124.1	123.6
70°	122.3	118.0	113.1	111.5	109.9	107.6	108.0
72.5°	103.8	99.5	96.2	94.0	93.4	92.5	93.2
75°	75.9	74.6	73.3	71.6	70.9	70.9	70.7
77.5°	54.2	53.0	51.6	50.6	50.5	49.1	49.6
80°	39.3	37.6	36.9	37.3	36.3	36.0	36.0
82.5°	29.0	28.4	27.8	27.9	27.6	27.4	27.6
85°	16.0	15.7	15.7	15.4	15.4	15.1	15.1
87.5°	10.8	11.3	11.0	10.9	11.1	11.5	12.0
90°	25.1	26.5	27.6	28.5	29.4	30.2	31.1
92.5°	25.1	26.5	27.4	27.8	28.2	28.7	29.0
95°	25.1	26.5	27.2	27.2	27.2	27.2	27.2
97.5°	39.4	31.3	27.2	27.2	27.2	27.2	27.2
100°	96.8	53.9	31.9	30.7	29.5	28.4	27.2
102.5°	263.4	255.3	241.4	221.8	202.2	182.6	163.1
105°	386.2	386.2	386.1	385.8	385.6	385.2	385.0
107.5°	489.0	489.1	488.7	487.8	487.0	486.1	485.3
110°	554.7	553.9	553.6	553.9	554.1	554.5	554.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	620.4	619.3	618.5	618.2	617.8	617.3	616.9
115°	719.8	718.6	717.2	715.5	713.7	712.0	710.2
117.5°	815.5	813.9	812.8	812.1	811.3	810.5	809.8
120°	878.3	877.8	876.8	875.3	873.8	872.5	871.0
122.5°	937.5	936.9	935.7	934.1	932.4	930.7	929.0
125°	1023.0	1021.9	1020.9	1020.0	1019.2	1018.3	1017.4
127.5°	1102.4	1101.7	1100.4	1098.2	1096.1	1094.0	1091.8
130°	1153.6	1152.7	1151.5	1150.1	1148.7	1147.2	1145.7
132.5°	1202.3	1202.1	1201.3	1199.9	1198.4	1197.0	1195.5
135°	1272.4	1271.8	1270.6	1268.9	1267.1	1265.4	1263.7
137.5°	1338.7	1338.9	1338.2	1336.6	1335.2	1333.6	1332.1
140°	1379.5	1380.1	1379.5	1377.8	1376.1	1374.3	1372.6
142.5°	1418.6	1418.7	1417.9	1416.1	1414.4	1412.6	1410.9
145°	1474.5	1474.8	1474.1	1472.4	1470.7	1469.0	1467.2
147.5°	1522.4	1522.8	1521.9	1519.8	1517.8	1515.7	1513.6
150°	1553.2	1553.8	1552.9	1550.6	1548.3	1546.0	1543.7
152.5°	1580.1	1580.7	1579.9	1577.9	1575.8	1573.7	1571.7
155°	1617.6	1618.4	1617.6	1615.4	1613.1	1610.8	1608.4
157.5°	1648.3	1649.2	1648.6	1646.2	1643.9	1641.6	1639.3
160°	1667.7	1668.8	1668.3	1665.9	1663.6	1661.3	1659.1
162.5°	1685.7	1687.2	1686.8	1684.3	1681.7	1679.2	1676.6
165°	1708.3	1710.0	1709.7	1707.4	1705.1	1702.8	1700.5
167.5°	1725.6	1727.7	1727.4	1724.8	1722.3	1719.7	1717.1
170°	1734.7	1736.9	1736.8	1734.2	1731.6	1729.0	1726.4
172.5°	1741.2	1743.3	1743.0	1740.4	1737.8	1735.3	1732.7
175°	1748.9	1751.2	1751.0	1748.4	1745.8	1743.3	1740.7
177.5°	1751.2	1752.8	1752.7	1750.8	1749.0	1747.1	1745.3
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4

(END OF REPORT)