

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: P333570-830

Luminaire Tested: **S125RDIP-S850D1035U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333570-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D1035U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6591.2 lumens
Efficiency: N/A
Efficacy: 126.8 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: General Diffuse

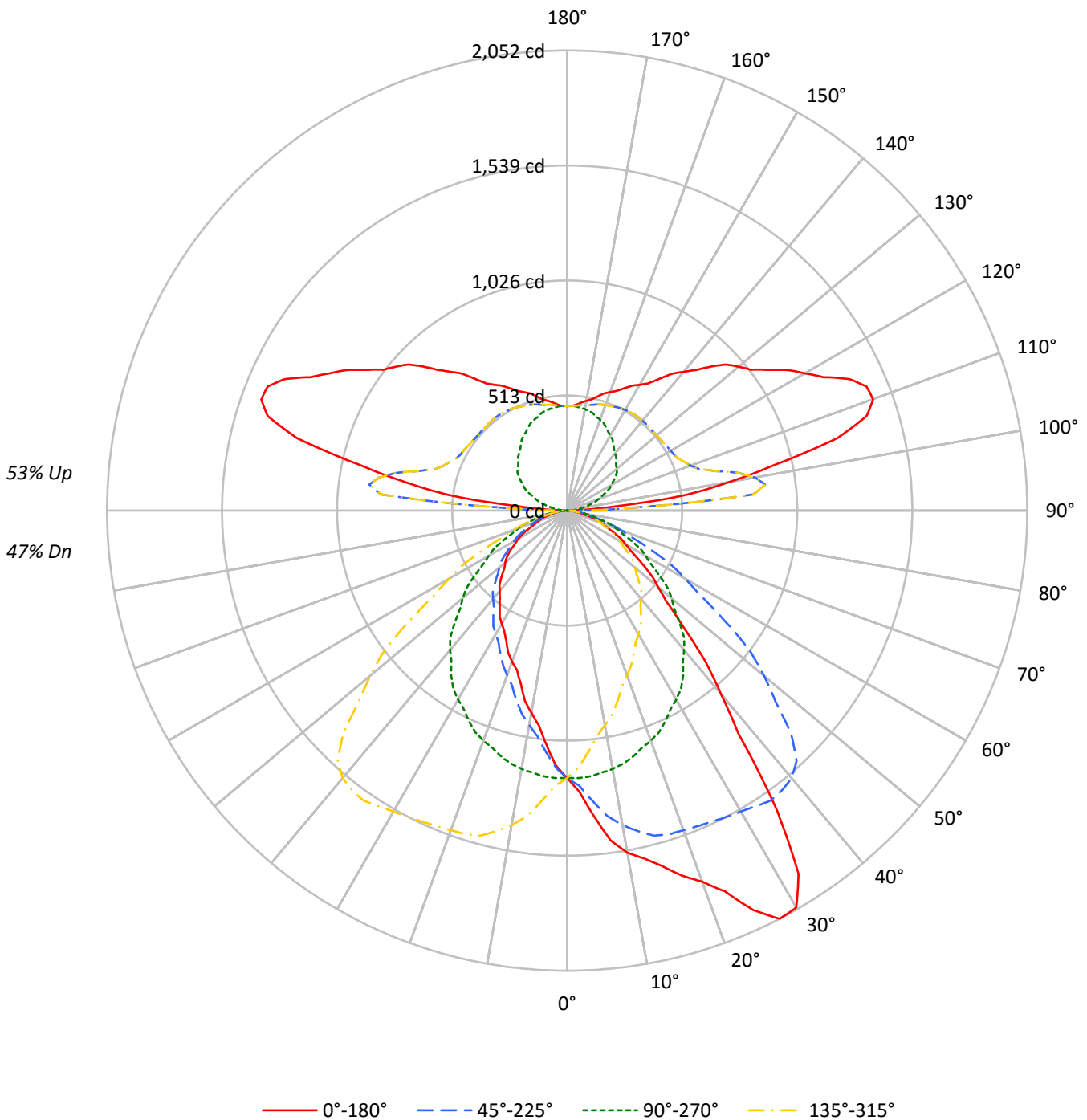
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	42	41	39	34
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	29
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	22
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	23	20	18	16
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.7
10°-20°	335.0	5.1
20°-30°	531.2	8.1
30°-40°	640.6	9.7
40°-50°	572.1	8.7
50°-60°	438.7	6.7
60°-70°	285.1	4.3
70°-80°	138.6	2.1
80°-90°	35.7	0.5
90°-100°	338.3	5.1
100°-110°	727.2	11.0
110°-120°	682.5	10.4
120°-130°	553.1	8.4
130°-140°	443.9	6.7
140°-150°	334.9	5.1
150°-160°	235.8	3.6
160°-170°	139.0	2.1
170°-180°	45.2	0.7
0°-30°	980.6	14.9
0°-40°	1621.2	24.6
0°-60°	2632.0	39.9
0°-90°	3091.4	46.9
90°-120°	1747.9	26.5
90°-150°	3079.8	46.7
90°-180°	3500.0	53.1
0°-180°	6591.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	26
90°	22	1	22	1	22	16
95°	221	31	221	31	221	313
105°	1247	106	1247	106	1247	1239
115°	1389	190	1389	190	1389	1357
125°	1094	263	1094	263	1094	990
135°	909	309	909	309	909	704
145°	717	359	717	359	717	456
155°	601	410	601	410	601	280
165°	527	448	527	448	527	151
175°	473	466	473	466	473	46
180°	467	467	467	467	467	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	12.9	12.5	12.0	12.0	12.3	12.7	12.2	11.6	11.4	11.2	11.2
90°	21.7	21.7	20.7	20.7	20.7	18.9	17.9	17.0	16.0	15.1	13.2
92.5°	60.0	61.5	62.9	65.1	77.2	91.0	121.0	166.7	245.5	303.3	308.2
95°	221.1	236.2	243.7	271.9	338.7	417.7	533.5	676.6	815.8	833.7	680.3
97.5°	534.4	546.5	573.7	626.5	684.6	794.5	907.2	1007.6	1032.2	890.3	607.5
100°	734.0	748.9	783.8	851.5	916.4	1014.3	1111.3	1157.3	1084.9	849.6	542.0
102.5°	956.7	968.0	1005.9	1054.0	1123.4	1189.7	1236.1	1207.8	1053.3	778.2	492.3
105°	1246.7	1258.0	1276.9	1307.9	1337.9	1348.3	1306.9	1178.0	952.3	682.1	444.1
107.5°	1400.6	1408.2	1414.4	1414.6	1399.3	1350.2	1243.9	1071.9	849.0	616.1	423.8
110°	1451.8	1451.8	1445.2	1427.4	1385.1	1305.0	1172.3	993.6	790.3	585.2	417.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1445.8	1439.1	1422.7	1391.9	1330.1	1235.8	1101.6	931.9	746.7	567.2	417.7
115°	1388.8	1376.6	1350.2	1305.0	1231.6	1129.1	1000.2	854.3	699.1	547.6	420.6
117.5°	1288.8	1281.3	1255.2	1208.5	1135.1	1041.0	930.0	804.3	670.7	538.0	426.8
120°	1224.2	1216.6	1191.2	1146.0	1076.4	993.6	890.1	777.2	654.9	533.5	432.8
122.5°	1167.0	1160.2	1134.7	1093.3	1031.2	953.7	861.5	756.9	641.3	529.7	438.1
125°	1094.3	1084.9	1064.1	1025.6	972.9	905.1	823.3	727.4	622.9	525.0	447.0
127.5°	1032.2	1028.0	1008.4	974.4	926.6	863.2	786.8	697.2	606.0	522.7	456.9
130°	998.3	992.7	973.8	942.8	895.8	834.6	761.2	678.4	594.7	521.2	463.0
132.5°	964.4	958.0	940.8	909.6	862.6	803.7	737.1	659.6	585.6	521.2	469.7
135°	908.9	903.2	886.4	855.3	813.9	760.3	700.0	635.1	574.9	521.2	478.9
137.5°	849.6	843.5	827.8	799.6	762.5	717.0	666.9	614.4	565.3	522.4	487.4
140°	808.2	803.5	789.5	765.0	730.2	690.6	647.3	603.1	560.8	523.1	491.2
142.5°	769.9	765.9	752.5	731.9	702.3	668.1	630.7	593.3	557.0	523.9	493.4
145°	717.0	713.2	702.9	686.8	664.3	638.9	609.7	580.5	551.4	523.1	495.9
147.5°	672.2	670.5	664.5	651.7	633.8	614.6	592.2	568.5	545.5	520.7	496.8
150°	647.3	646.4	642.6	631.3	617.3	600.3	582.4	561.8	541.0	518.4	496.8
152.5°	627.7	626.8	623.1	614.1	602.2	589.0	572.6	554.2	535.7	515.5	496.1
155°	601.2	600.3	597.5	590.9	581.5	571.2	558.0	542.9	526.9	510.0	494.0
157.5°	577.5	577.7	575.0	569.7	562.3	554.2	544.0	531.6	518.6	504.4	491.5
160°	561.8	562.7	560.8	556.1	549.5	542.9	533.5	524.1	511.9	500.6	489.3
162.5°	547.4	547.6	547.2	543.3	538.2	532.3	524.4	515.9	505.9	496.1	487.0
165°	526.9	526.9	526.9	525.0	521.2	516.6	511.0	504.4	496.8	489.3	483.6
167.5°	508.1	508.3	509.1	507.4	505.5	502.1	497.8	493.4	488.0	482.7	478.3
170°	496.8	497.8	497.8	496.8	494.9	493.0	490.2	487.4	482.7	478.9	476.1
172.5°	486.3	487.2	488.7	487.0	486.6	485.5	483.4	480.6	477.4	474.4	473.1
175°	473.3	474.2	476.1	475.1	475.1	475.1	473.3	473.3	470.4	469.5	469.5
177.5°	466.7	466.7	468.9	468.2	468.9	468.9	468.9	468.2	467.4	466.7	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	11.4	11.1	11.3	10.9	10.2	11.7	12.5	12.7	12.2	11.7	11.3
90°	12.3	10.4	9.4	7.5	5.7	3.8	1.9	0.9	1.9	3.8	5.7
92.5°	214.7	128.6	77.2	49.7	33.5	21.9	13.9	11.5	13.9	21.9	33.5
95°	420.6	213.6	112.9	70.6	49.9	39.5	32.0	31.0	32.0	39.5	49.9
97.5°	335.7	184.1	117.4	86.9	68.3	58.0	52.7	51.6	52.7	58.0	68.3
100°	304.8	182.6	128.0	99.7	81.8	71.5	67.8	65.9	67.8	71.5	81.8
102.5°	292.1	189.4	140.7	113.3	96.9	85.8	82.8	81.7	82.8	85.8	96.9
105°	287.0	203.2	161.8	135.5	120.5	111.0	106.3	106.3	106.3	111.0	120.5
107.5°	295.7	223.9	183.9	160.1	144.5	136.8	132.3	130.4	132.3	136.8	144.5
110°	303.9	239.0	200.4	176.0	161.8	153.4	149.6	147.7	149.6	153.4	161.8



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.4	253.3	216.2	192.5	178.4	169.9	166.9	165.0	166.9	169.9	178.4
115°	330.3	275.7	240.9	217.4	203.2	194.7	191.9	190.1	191.9	194.7	203.2
117.5°	348.4	298.7	265.7	243.0	227.0	218.5	215.5	212.6	215.5	218.5	227.0
120°	360.3	315.2	282.3	258.7	242.8	234.3	230.5	227.7	230.5	234.3	242.8
122.5°	373.9	331.0	298.1	274.6	257.0	248.5	245.5	243.6	245.5	248.5	257.0
125°	392.4	351.9	320.8	296.4	278.5	270.0	265.3	263.4	265.3	270.0	278.5
127.5°	409.3	372.0	342.1	317.6	298.7	287.9	281.9	279.1	281.9	287.9	298.7
130°	420.6	384.8	355.6	331.2	311.4	299.3	291.7	288.9	291.7	299.3	311.4
132.5°	430.4	396.9	367.7	343.3	322.7	309.0	299.9	296.4	299.9	309.0	322.7
135°	444.1	413.0	383.9	358.4	338.7	323.7	312.4	308.6	312.4	323.7	338.7
137.5°	454.3	424.5	398.0	371.8	352.5	337.4	326.9	324.0	326.9	337.4	352.5
140°	461.1	432.8	405.6	380.1	362.2	347.2	335.9	333.1	335.9	347.2	362.2
142.5°	464.8	438.1	412.3	388.4	371.3	356.2	345.7	343.7	345.7	356.2	371.3
145°	470.4	447.0	422.4	400.9	383.9	370.7	361.3	359.4	361.3	370.7	383.9
147.5°	473.8	452.6	431.1	412.1	397.5	385.2	377.1	376.0	377.1	385.2	397.5
150°	476.1	456.4	435.6	419.6	406.5	394.3	387.7	385.8	387.7	394.3	406.5
152.5°	477.6	460.1	440.9	426.4	414.0	403.3	397.5	396.3	397.5	403.3	414.0
155°	478.9	463.8	447.9	434.7	425.3	415.8	410.2	410.2	410.2	415.8	425.3
157.5°	479.8	467.0	453.4	443.4	435.1	427.0	422.4	422.6	422.4	427.0	435.1
160°	479.8	468.5	456.4	447.9	440.4	433.8	430.0	430.9	430.0	433.8	440.4
162.5°	479.1	470.0	459.4	452.4	446.4	440.5	436.8	437.7	436.8	440.5	446.4
165°	478.0	470.4	463.0	457.3	453.6	448.8	446.0	447.9	446.0	448.8	453.6
167.5°	475.7	470.4	464.2	460.7	458.1	455.4	453.7	454.7	453.7	455.4	458.1
170°	474.2	470.4	465.7	463.0	461.1	459.2	458.3	459.2	458.3	459.2	461.1
172.5°	472.7	469.7	465.7	464.4	463.3	461.5	460.5	462.2	460.5	461.5	463.3
175°	470.4	468.5	465.7	465.7	465.7	464.8	463.8	465.7	463.8	464.8	465.7
177.5°	468.2	467.4	465.9	465.9	466.7	465.9	465.9	467.4	465.9	465.9	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	11.3	11.7	11.5	12.6	11.6	12.4	12.6	12.3	12.5	12.7	12.7
90°	7.5	9.4	10.4	12.3	13.2	15.1	16.0	17.0	17.9	18.9	20.7
92.5°	49.7	77.2	128.6	214.7	308.2	303.3	245.5	166.7	121.0	91.0	77.2
95°	70.6	112.9	213.6	420.6	680.3	833.7	815.8	676.6	533.5	417.7	338.7
97.5°	86.9	117.4	184.1	335.7	607.5	890.3	1032.2	1007.6	907.2	794.5	684.6
100°	99.7	128.0	182.6	304.8	542.0	849.6	1084.9	1157.3	1111.3	1014.3	916.4
102.5°	113.3	140.7	189.4	292.1	492.3	778.2	1053.3	1207.8	1236.1	1189.7	1123.4
105°	135.5	161.8	203.2	287.0	444.1	682.1	952.3	1178.0	1306.9	1348.3	1337.9
107.5°	160.1	183.9	223.9	295.7	423.8	616.1	849.0	1071.9	1243.9	1350.2	1399.3
110°	176.0	200.4	239.0	303.9	417.7	585.2	790.3	993.6	1172.3	1305.0	1385.1



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	192.5	216.2	253.3	314.4	417.7	567.2	746.7	931.9	1101.6	1235.8	1330.1
115°	217.4	240.9	275.7	330.3	420.6	547.6	699.1	854.3	1000.2	1129.1	1231.6
117.5°	243.0	265.7	298.7	348.4	426.8	538.0	670.7	804.3	930.0	1041.0	1135.1
120°	258.7	282.3	315.2	360.3	432.8	533.5	654.9	777.2	890.1	993.6	1076.4
122.5°	274.6	298.1	331.0	373.9	438.1	529.7	641.3	756.9	861.5	953.7	1031.2
125°	296.4	320.8	351.9	392.4	447.0	525.0	622.9	727.4	823.3	905.1	972.9
127.5°	317.6	342.1	372.0	409.3	456.9	522.7	606.0	697.2	786.8	863.2	926.6
130°	331.2	355.6	384.8	420.6	463.0	521.2	594.7	678.4	761.2	834.6	895.8
132.5°	343.3	367.7	396.9	430.4	469.7	521.2	585.6	659.6	737.1	803.7	862.6
135°	358.4	383.9	413.0	444.1	478.9	521.2	574.9	635.1	700.0	760.3	813.9
137.5°	371.8	398.0	424.5	454.3	487.4	522.4	565.3	614.4	666.9	717.0	762.5
140°	380.1	405.6	432.8	461.1	491.2	523.1	560.8	603.1	647.3	690.6	730.2
142.5°	388.4	412.3	438.1	464.8	493.4	523.9	557.0	593.3	630.7	668.1	702.3
145°	400.9	422.4	447.0	470.4	495.9	523.1	551.4	580.5	609.7	638.9	664.3
147.5°	412.1	431.1	452.6	473.8	496.8	520.7	545.5	568.5	592.2	614.6	633.8
150°	419.6	435.6	456.4	476.1	496.8	518.4	541.0	561.8	582.4	600.3	617.3
152.5°	426.4	440.9	460.1	477.6	496.1	515.5	535.7	554.2	572.6	589.0	602.2
155°	434.7	447.9	463.8	478.9	494.0	510.0	526.9	542.9	558.0	571.2	581.5
157.5°	443.4	453.4	467.0	479.8	491.5	504.4	518.6	531.6	544.0	554.2	562.3
160°	447.9	456.4	468.5	479.8	489.3	500.6	511.9	524.1	533.5	542.9	549.5
162.5°	452.4	459.4	470.0	479.1	487.0	496.1	505.9	515.9	524.4	532.3	538.2
165°	457.3	463.0	470.4	478.0	483.6	489.3	496.8	504.4	511.0	516.6	521.2
167.5°	460.7	464.2	470.4	475.7	478.3	482.7	488.0	493.4	497.8	502.1	505.5
170°	463.0	465.7	470.4	474.2	476.1	478.9	482.7	487.4	490.2	493.0	494.9
172.5°	464.4	465.7	469.7	472.7	473.1	474.4	477.4	480.6	483.4	485.5	486.6
175°	465.7	465.7	468.5	470.4	469.5	469.5	470.4	473.3	473.3	475.1	475.1
177.5°	465.9	465.9	467.4	468.2	466.7	466.7	467.4	468.2	468.9	468.9	468.9
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	13.1	12.7	12.9	12.9	12.9	12.7	13.1	12.7	12.7	12.5	12.3
90°	20.7	20.7	21.7	21.7	21.7	20.7	20.7	20.7	18.9	17.9	17.0
92.5°	65.1	62.9	61.5	60.0	61.5	62.9	65.1	77.2	91.0	121.0	166.7
95°	271.9	243.7	236.2	221.1	236.2	243.7	271.9	338.7	417.7	533.5	676.6
97.5°	626.5	573.7	546.5	534.4	546.5	573.7	626.5	684.6	794.5	907.2	1007.6
100°	851.5	783.8	748.9	734.0	748.9	783.8	851.5	916.4	1014.3	1111.3	1157.3
102.5°	1054.0	1005.9	968.0	956.7	968.0	1005.9	1054.0	1123.4	1189.7	1236.1	1207.8
105°	1307.9	1276.9	1258.0	1246.7	1258.0	1276.9	1307.9	1337.9	1348.3	1306.9	1178.0
107.5°	1414.6	1414.4	1408.2	1400.6	1408.2	1414.4	1414.6	1399.3	1350.2	1243.9	1071.9
110°	1427.4	1445.2	1451.8	1451.8	1451.8	1445.2	1427.4	1385.1	1305.0	1172.3	993.6



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1391.9	1422.7	1439.1	1445.8	1439.1	1422.7	1391.9	1330.1	1235.8	1101.6	931.9
115°	1305.0	1350.2	1376.6	1388.8	1376.6	1350.2	1305.0	1231.6	1129.1	1000.2	854.3
117.5°	1208.5	1255.2	1281.3	1288.8	1281.3	1255.2	1208.5	1135.1	1041.0	930.0	804.3
120°	1146.0	1191.2	1216.6	1224.2	1216.6	1191.2	1146.0	1076.4	993.6	890.1	777.2
122.5°	1093.3	1134.7	1160.2	1167.0	1160.2	1134.7	1093.3	1031.2	953.7	861.5	756.9
125°	1025.6	1064.1	1084.9	1094.3	1084.9	1064.1	1025.6	972.9	905.1	823.3	727.4
127.5°	974.4	1008.4	1028.0	1032.2	1028.0	1008.4	974.4	926.6	863.2	786.8	697.2
130°	942.8	973.8	992.7	998.3	992.7	973.8	942.8	895.8	834.6	761.2	678.4
132.5°	909.6	940.8	958.0	964.4	958.0	940.8	909.6	862.6	803.7	737.1	659.6
135°	855.3	886.4	903.2	908.9	903.2	886.4	855.3	813.9	760.3	700.0	635.1
137.5°	799.6	827.8	843.5	849.6	843.5	827.8	799.6	762.5	717.0	666.9	614.4
140°	765.0	789.5	803.5	808.2	803.5	789.5	765.0	730.2	690.6	647.3	603.1
142.5°	731.9	752.5	765.9	769.9	765.9	752.5	731.9	702.3	668.1	630.7	593.3
145°	686.8	702.9	713.2	717.0	713.2	702.9	686.8	664.3	638.9	609.7	580.5
147.5°	651.7	664.5	670.5	672.2	670.5	664.5	651.7	633.8	614.6	592.2	568.5
150°	631.3	642.6	646.4	647.3	646.4	642.6	631.3	617.3	600.3	582.4	561.8
152.5°	614.1	623.1	626.8	627.7	626.8	623.1	614.1	602.2	589.0	572.6	554.2
155°	590.9	597.5	600.3	601.2	600.3	597.5	590.9	581.5	571.2	558.0	542.9
157.5°	569.7	575.0	577.7	577.5	577.7	575.0	569.7	562.3	554.2	544.0	531.6
160°	556.1	560.8	562.7	561.8	562.7	560.8	556.1	549.5	542.9	533.5	524.1
162.5°	543.3	547.2	547.6	547.4	547.6	547.2	543.3	538.2	532.3	524.4	515.9
165°	525.0	526.9	526.9	526.9	526.9	526.9	525.0	521.2	516.6	511.0	504.4
167.5°	507.4	509.1	508.3	508.1	508.3	509.1	507.4	505.5	502.1	497.8	493.4
170°	496.8	497.8	497.8	496.8	497.8	497.8	496.8	494.9	493.0	490.2	487.4
172.5°	487.0	488.7	487.2	486.3	487.2	488.7	487.0	486.6	485.5	483.4	480.6
175°	475.1	476.1	474.2	473.3	474.2	476.1	475.1	475.1	475.1	473.3	473.3
177.5°	468.2	468.9	466.7	466.7	466.7	468.9	468.2	468.9	468.9	468.9	468.2
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	12.6	12.4	11.6	12.6	11.5	11.7	11.3	11.3	11.7	12.2	12.7
90°	16.0	15.1	13.2	12.3	10.4	9.4	7.5	5.7	3.8	1.9	0.9
92.5°	245.5	303.3	308.2	214.7	128.6	77.2	49.7	33.5	21.9	13.9	11.5
95°	815.8	833.7	680.3	420.6	213.6	112.9	70.6	49.9	39.5	32.0	31.0
97.5°	1032.2	890.3	607.5	335.7	184.1	117.4	86.9	68.3	58.0	52.7	51.6
100°	1084.9	849.6	542.0	304.8	182.6	128.0	99.7	81.8	71.5	67.8	65.9
102.5°	1053.3	778.2	492.3	292.1	189.4	140.7	113.3	96.9	85.8	82.8	81.7
105°	952.3	682.1	444.1	287.0	203.2	161.8	135.5	120.5	111.0	106.3	106.3
107.5°	849.0	616.1	423.8	295.7	223.9	183.9	160.1	144.5	136.8	132.3	130.4
110°	790.3	585.2	417.7	303.9	239.0	200.4	176.0	161.8	153.4	149.6	147.7



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	746.7	567.2	417.7	314.4	253.3	216.2	192.5	178.4	169.9	166.9	165.0
115°	699.1	547.6	420.6	330.3	275.7	240.9	217.4	203.2	194.7	191.9	190.1
117.5°	670.7	538.0	426.8	348.4	298.7	265.7	243.0	227.0	218.5	215.5	212.6
120°	654.9	533.5	432.8	360.3	315.2	282.3	258.7	242.8	234.3	230.5	227.7
122.5°	641.3	529.7	438.1	373.9	331.0	298.1	274.6	257.0	248.5	245.5	243.6
125°	622.9	525.0	447.0	392.4	351.9	320.8	296.4	278.5	270.0	265.3	263.4
127.5°	606.0	522.7	456.9	409.3	372.0	342.1	317.6	298.7	287.9	281.9	279.1
130°	594.7	521.2	463.0	420.6	384.8	355.6	331.2	311.4	299.3	291.7	288.9
132.5°	585.6	521.2	469.7	430.4	396.9	367.7	343.3	322.7	309.0	299.9	296.4
135°	574.9	521.2	478.9	444.1	413.0	383.9	358.4	338.7	323.7	312.4	308.6
137.5°	565.3	522.4	487.4	454.3	424.5	398.0	371.8	352.5	337.4	326.9	324.0
140°	560.8	523.1	491.2	461.1	432.8	405.6	380.1	362.2	347.2	335.9	333.1
142.5°	557.0	523.9	493.4	464.8	438.1	412.3	388.4	371.3	356.2	345.7	343.7
145°	551.4	523.1	495.9	470.4	447.0	422.4	400.9	383.9	370.7	361.3	359.4
147.5°	545.5	520.7	496.8	473.8	452.6	431.1	412.1	397.5	385.2	377.1	376.0
150°	541.0	518.4	496.8	476.1	456.4	435.6	419.6	406.5	394.3	387.7	385.8
152.5°	535.7	515.5	496.1	477.6	460.1	440.9	426.4	414.0	403.3	397.5	396.3
155°	526.9	510.0	494.0	478.9	463.8	447.9	434.7	425.3	415.8	410.2	410.2
157.5°	518.6	504.4	491.5	479.8	467.0	453.4	443.4	435.1	427.0	422.4	422.6
160°	511.9	500.6	489.3	479.8	468.5	456.4	447.9	440.4	433.8	430.0	430.9
162.5°	505.9	496.1	487.0	479.1	470.0	459.4	452.4	446.4	440.5	436.8	437.7
165°	496.8	489.3	483.6	478.0	470.4	463.0	457.3	453.6	448.8	446.0	447.9
167.5°	488.0	482.7	478.3	475.7	470.4	464.2	460.7	458.1	455.4	453.7	454.7
170°	482.7	478.9	476.1	474.2	470.4	465.7	463.0	461.1	459.2	458.3	459.2
172.5°	477.4	474.4	473.1	472.7	469.7	465.7	464.4	463.3	461.5	460.5	462.2
175°	470.4	469.5	469.5	470.4	468.5	465.7	465.7	465.7	464.8	463.8	465.7
177.5°	467.4	466.7	466.7	468.2	467.4	465.9	465.9	466.7	465.9	465.9	467.4
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



TEST NUMBER: P333570-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.5	11.7	10.2	10.9	11.3	11.1	11.4	11.2	11.2	11.4	11.6
90°	1.9	3.8	5.7	7.5	9.4	10.4	12.3	13.2	15.1	16.0	17.0
92.5°	13.9	21.9	33.5	49.7	77.2	128.6	214.7	308.2	303.3	245.5	166.7
95°	32.0	39.5	49.9	70.6	112.9	213.6	420.6	680.3	833.7	815.8	676.6
97.5°	52.7	58.0	68.3	86.9	117.4	184.1	335.7	607.5	890.3	1032.2	1007.6
100°	67.8	71.5	81.8	99.7	128.0	182.6	304.8	542.0	849.6	1084.9	1157.3
102.5°	82.8	85.8	96.9	113.3	140.7	189.4	292.1	492.3	778.2	1053.3	1207.8
105°	106.3	111.0	120.5	135.5	161.8	203.2	287.0	444.1	682.1	952.3	1178.0
107.5°	132.3	136.8	144.5	160.1	183.9	223.9	295.7	423.8	616.1	849.0	1071.9
110°	149.6	153.4	161.8	176.0	200.4	239.0	303.9	417.7	585.2	790.3	993.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	166.9	169.9	178.4	192.5	216.2	253.3	314.4	417.7	567.2	746.7	931.9
115°	191.9	194.7	203.2	217.4	240.9	275.7	330.3	420.6	547.6	699.1	854.3
117.5°	215.5	218.5	227.0	243.0	265.7	298.7	348.4	426.8	538.0	670.7	804.3
120°	230.5	234.3	242.8	258.7	282.3	315.2	360.3	432.8	533.5	654.9	777.2
122.5°	245.5	248.5	257.0	274.6	298.1	331.0	373.9	438.1	529.7	641.3	756.9
125°	265.3	270.0	278.5	296.4	320.8	351.9	392.4	447.0	525.0	622.9	727.4
127.5°	281.9	287.9	298.7	317.6	342.1	372.0	409.3	456.9	522.7	606.0	697.2
130°	291.7	299.3	311.4	331.2	355.6	384.8	420.6	463.0	521.2	594.7	678.4
132.5°	299.9	309.0	322.7	343.3	367.7	396.9	430.4	469.7	521.2	585.6	659.6
135°	312.4	323.7	338.7	358.4	383.9	413.0	444.1	478.9	521.2	574.9	635.1
137.5°	326.9	337.4	352.5	371.8	398.0	424.5	454.3	487.4	522.4	565.3	614.4
140°	335.9	347.2	362.2	380.1	405.6	432.8	461.1	491.2	523.1	560.8	603.1
142.5°	345.7	356.2	371.3	388.4	412.3	438.1	464.8	493.4	523.9	557.0	593.3
145°	361.3	370.7	383.9	400.9	422.4	447.0	470.4	495.9	523.1	551.4	580.5
147.5°	377.1	385.2	397.5	412.1	431.1	452.6	473.8	496.8	520.7	545.5	568.5
150°	387.7	394.3	406.5	419.6	435.6	456.4	476.1	496.8	518.4	541.0	561.8
152.5°	397.5	403.3	414.0	426.4	440.9	460.1	477.6	496.1	515.5	535.7	554.2
155°	410.2	415.8	425.3	434.7	447.9	463.8	478.9	494.0	510.0	526.9	542.9
157.5°	422.4	427.0	435.1	443.4	453.4	467.0	479.8	491.5	504.4	518.6	531.6
160°	430.0	433.8	440.4	447.9	456.4	468.5	479.8	489.3	500.6	511.9	524.1
162.5°	436.8	440.5	446.4	452.4	459.4	470.0	479.1	487.0	496.1	505.9	515.9
165°	446.0	448.8	453.6	457.3	463.0	470.4	478.0	483.6	489.3	496.8	504.4
167.5°	453.7	455.4	458.1	460.7	464.2	470.4	475.7	478.3	482.7	488.0	493.4
170°	458.3	459.2	461.1	463.0	465.7	470.4	474.2	476.1	478.9	482.7	487.4
172.5°	460.5	461.5	463.3	464.4	465.7	469.7	472.7	473.1	474.4	477.4	480.6
175°	463.8	464.8	465.7	465.7	465.7	468.5	470.4	469.5	469.5	470.4	473.3
177.5°	465.9	465.9	466.7	465.9	465.9	467.4	468.2	466.7	466.7	467.4	468.2
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7	466.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	12.2	12.7	12.3	12.0	12.0	12.5	12.9
90°	17.9	18.9	20.7	20.7	20.7	21.7	21.7
92.5°	121.0	91.0	77.2	65.1	62.9	61.5	60.0
95°	533.5	417.7	338.7	271.9	243.7	236.2	221.1
97.5°	907.2	794.5	684.6	626.5	573.7	546.5	534.4
100°	1111.3	1014.3	916.4	851.5	783.8	748.9	734.0
102.5°	1236.1	1189.7	1123.4	1054.0	1005.9	968.0	956.7
105°	1306.9	1348.3	1337.9	1307.9	1276.9	1258.0	1246.7
107.5°	1243.9	1350.2	1399.3	1414.6	1414.4	1408.2	1400.6
110°	1172.3	1305.0	1385.1	1427.4	1445.2	1451.8	1451.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1101.6	1235.8	1330.1	1391.9	1422.7	1439.1	1445.8
115°	1000.2	1129.1	1231.6	1305.0	1350.2	1376.6	1388.8
117.5°	930.0	1041.0	1135.1	1208.5	1255.2	1281.3	1288.8
120°	890.1	993.6	1076.4	1146.0	1191.2	1216.6	1224.2
122.5°	861.5	953.7	1031.2	1093.3	1134.7	1160.2	1167.0
125°	823.3	905.1	972.9	1025.6	1064.1	1084.9	1094.3
127.5°	786.8	863.2	926.6	974.4	1008.4	1028.0	1032.2
130°	761.2	834.6	895.8	942.8	973.8	992.7	998.3
132.5°	737.1	803.7	862.6	909.6	940.8	958.0	964.4
135°	700.0	760.3	813.9	855.3	886.4	903.2	908.9
137.5°	666.9	717.0	762.5	799.6	827.8	843.5	849.6
140°	647.3	690.6	730.2	765.0	789.5	803.5	808.2
142.5°	630.7	668.1	702.3	731.9	752.5	765.9	769.9
145°	609.7	638.9	664.3	686.8	702.9	713.2	717.0
147.5°	592.2	614.6	633.8	651.7	664.5	670.5	672.2
150°	582.4	600.3	617.3	631.3	642.6	646.4	647.3
152.5°	572.6	589.0	602.2	614.1	623.1	626.8	627.7
155°	558.0	571.2	581.5	590.9	597.5	600.3	601.2
157.5°	544.0	554.2	562.3	569.7	575.0	577.7	577.5
160°	533.5	542.9	549.5	556.1	560.8	562.7	561.8
162.5°	524.4	532.3	538.2	543.3	547.2	547.6	547.4
165°	511.0	516.6	521.2	525.0	526.9	526.9	526.9
167.5°	497.8	502.1	505.5	507.4	509.1	508.3	508.1
170°	490.2	493.0	494.9	496.8	497.8	497.8	496.8
172.5°	483.4	485.5	486.6	487.0	488.7	487.2	486.3
175°	473.3	475.1	475.1	475.1	476.1	474.2	473.3
177.5°	468.9	468.9	468.9	468.2	468.9	466.7	466.7
180°	466.7	466.7	466.7	466.7	466.7	466.7	466.7

(END OF REPORT)