

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: P332344-935

Luminaire Tested: **S123RDIP-S1000D805U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332344-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S1000D805U935-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5912.4 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

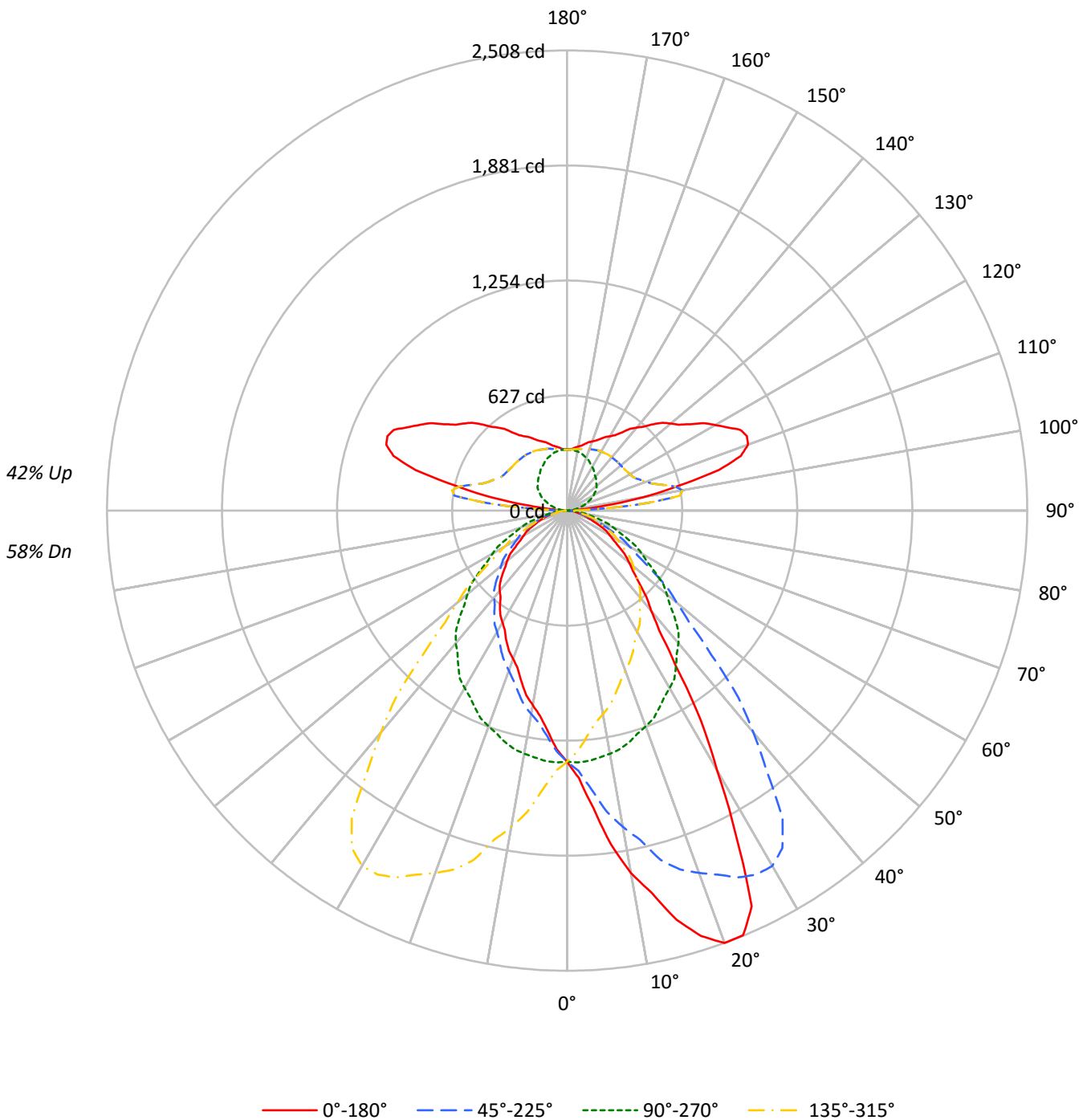
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58				
1	100	96	92	89	93	90	87	84	78	76	73	67	65	64	57	56	55	50				
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47	43				
3	84	75	68	62	78	70	64	59	61	57	53	53	50	47	46	43	41	37				
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	41	38	36	32				
5	71	60	52	46	66	56	49	44	50	44	40	43	39	36	37	34	32	29				
6	66	54	46	40	61	51	44	39	45	39	35	39	35	32	34	31	28	25				
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	31	28	25	23				
8	57	45	37	32	53	42	35	31	38	32	28	33	29	25	29	25	23	20				
9	53	41	34	29	49	39	32	27	35	29	25	31	26	23	27	23	21	19				
10	50	38	31	26	46	36	29	25	32	27	23	28	24	21	25	21	19	17				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	14733	14733	14733	14733
5°	17562	14795	13029	14795
10°	21928	14711	11770	14711
15°	25740	14561	10735	14561
20°	28726	14336	9852	14336
25°	28268	14099	9311	14099
30°	20319	13881	8754	13881
35°	13566	13596	8393	13596
40°	9996	13256	8019	13256
45°	8385	12657	7652	12657
50°	7398	11871	7142	11871
55°	6488	10975	6444	10975
60°	5778	10116	5903	10116
65°	5074	9192	5491	9192
70°	3984	8371	5017	8371
75°	3510	7311	4579	7311
80°	3050	6211	4506	6211
85°	2458	5002	4780	5002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.6	2.3
10°-20°	420.5	7.1
20°-30°	660.6	11.2
30°-40°	689.3	11.7
40°-50°	589.9	10.0
50°-60°	449.6	7.6
60°-70°	288.2	4.9
70°-80°	138.6	2.3
80°-90°	39.3	0.7
90°-100°	185.1	3.1
100°-110°	524.0	8.9
110°-120°	515.5	8.7
120°-130°	411.2	7.0
130°-140°	324.2	5.5
140°-150°	242.0	4.1
150°-160°	168.6	2.9
160°-170°	99.1	1.7
170°-180°	32.2	0.5
0°-30°	1215.8	20.6
0°-40°	1905.0	32.2
0°-60°	2944.5	49.8
0°-90°	3410.5	57.7
90°-120°	1224.6	20.7
90°-150°	2201.9	37.2
90°-180°	2502.0	42.3
0°-180°	5912.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1625	1369	1206	1369	1625	168
15°	2310	1307	963	1307	2310	655
25°	2380	1187	784	1187	2380	1023
35°	1032	1035	639	1035	1032	677
45°	551	832	503	832	551	433
55°	346	585	343	585	346	313
65°	199	361	216	361	199	196
75°	84	176	110	176	84	90
85°	20	40	39	40	20	23
90°	20	1	20	1	20	11
95°	78	23	78	23	78	141
105°	856	78	856	78	856	845
115°	1041	138	1041	138	1041	1012
125°	821	192	821	192	821	744
135°	666	225	666	225	666	516
145°	520	256	520	256	520	331
155°	431	291	431	291	431	201
165°	376	318	376	318	376	108
175°	339	332	339	332	339	33
180°	332	332	332	332	332	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1457.8	1459.7	1453.6	1452.7	1445.6	1443.7	1443.7	1433.9	1427.8	1419.9	1415.1
5°	1625.4	1634.8	1630.0	1619.5	1602.0	1597.8	1586.7	1569.2	1549.2	1524.6	1512.9
7.5°	1834.7	1847.4	1842.5	1826.3	1807.8	1792.9	1761.6	1732.4	1691.5	1655.6	1625.0
10°	2006.2	1992.8	1982.2	1966.4	1949.4	1921.8	1889.0	1843.9	1791.8	1750.8	1705.1
12.5°	2134.7	2132.4	2119.1	2102.8	2078.8	2052.6	2012.3	1957.4	1896.8	1837.5	1785.2
15°	2309.8	2313.2	2304.5	2287.5	2253.5	2207.3	2146.3	2123.5	2036.7	1972.3	1907.8
17.5°	2430.9	2430.3	2429.1	2405.5	2370.8	2337.9	2281.4	2221.3	2142.8	2051.9	1965.1
20°	2507.8	2502.0	2503.1	2476.8	2451.0	2412.9	2357.8	2270.5	2206.1	2101.2	2011.6
22.5°	2505.9	2504.7	2509.2	2500.2	2481.5	2452.3	2408.9	2335.2	2252.9	2147.1	2046.3
25°	2380.1	2375.4	2403.0	2410.5	2440.4	2445.7	2432.8	2392.4	2314.5	2205.5	2080.7
27.5°	1991.9	1989.3	2040.5	2104.5	2185.6	2248.6	2309.5	2339.0	2314.5	2236.4	2111.3
30°	1634.8	1689.9	1715.6	1808.2	1911.3	2034.4	2142.2	2244.7	2269.9	2235.9	2133.4
32.5°	1357.3	1405.3	1426.8	1506.3	1602.4	1746.5	1908.3	2053.5	2156.0	2182.0	2120.3
35°	1032.4	1033.0	1082.2	1117.4	1206.4	1354.7	1511.7	1706.2	1899.6	2046.1	2061.3
37.5°	823.8	826.7	856.5	891.6	958.4	1036.7	1175.0	1336.8	1560.1	1785.0	1916.8
40°	711.4	716.6	738.9	773.4	821.5	880.6	988.5	1140.8	1327.1	1577.4	1781.8
42.5°	639.1	647.7	659.2	685.8	715.6	770.9	858.2	975.9	1145.3	1381.9	1617.8
45°	550.8	555.4	564.3	576.5	603.5	642.2	700.8	779.9	920.5	1110.9	1347.0
47.5°	485.9	483.4	492.7	502.7	520.6	546.9	586.2	650.7	751.1	903.9	1104.1
50°	441.8	441.2	447.6	455.3	472.3	491.6	523.8	572.5	652.1	778.7	962.1
52.5°	400.5	402.8	407.3	416.8	429.1	444.7	473.6	508.7	577.1	686.4	839.3
55°	345.7	347.5	353.9	359.2	368.0	383.7	401.9	431.3	478.1	554.3	680.3
57.5°	299.3	298.5	304.7	306.0	315.9	328.8	342.9	365.7	399.6	456.2	541.1
60°	268.4	266.6	271.9	276.0	281.3	291.8	303.5	325.8	352.8	394.3	467.0
62.5°	240.2	239.4	243.3	247.4	251.8	261.3	271.2	288.3	309.6	344.7	402.3
65°	199.2	201.0	202.8	204.5	206.8	212.7	222.1	233.8	248.4	273.0	314.6
67.5°	156.5	158.3	158.9	162.6	167.6	171.3	176.9	187.4	197.6	218.3	242.0
70°	126.6	126.0	126.6	128.3	134.7	141.2	148.9	156.4	162.9	177.5	197.4
72.5°	108.7	107.7	109.3	109.6	112.7	114.5	119.3	126.5	134.7	144.7	159.0
75°	84.4	84.4	84.4	84.4	86.7	87.9	89.6	91.4	94.4	99.0	109.6
77.5°	62.3	62.4	63.3	63.9	64.3	65.0	66.1	67.8	68.9	71.4	75.9
80°	49.2	49.8	49.2	49.8	49.8	51.0	51.6	53.3	53.9	56.8	58.6
82.5°	37.0	36.7	37.0	37.6	37.6	38.8	38.9	40.2	40.3	41.8	43.6
85°	19.9	18.8	19.9	19.4	20.5	19.4	19.9	21.1	21.1	21.7	24.0
87.5°	8.6	9.6	8.6	9.0	9.0	9.3	9.1	9.0	9.8	9.5	9.6
90°	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8	16.2	16.8	14.8
92.5°	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7	78.1	103.5	113.9
95°	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4	323.8	399.2	355.4
97.5°	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1	661.9	618.6	452.9
100°	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7	770.1	637.5	430.8
102.5°	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6	775.5	602.4	398.5
105°	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1	734.4	541.2	358.8
107.5°	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1	662.5	487.1	333.5
110°	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5	617.3	456.4	323.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3	578.0	435.9	318.4
115°	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0	530.5	414.0	316.4
117.5°	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9	501.8	401.1	317.6
120°	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6	486.7	395.1	319.8
122.5°	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7	474.3	391.4	323.5
125°	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1	458.4	386.4	329.2
127.5°	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0	444.4	384.0	335.6
130°	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5	436.9	382.4	339.9
132.5°	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0	429.9	381.8	343.2
135°	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8	420.7	381.0	348.0
137.5°	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3	412.8	379.5	351.3
140°	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5	407.9	379.0	353.4
142.5°	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4	403.6	377.9	355.0
145°	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4	397.9	376.3	356.1
147.5°	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4	392.2	373.8	356.1
150°	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9	388.4	371.6	356.1
152.5°	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0	384.1	368.9	354.5
155°	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1	377.6	364.2	352.8
157.5°	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6	370.4	360.0	350.4
160°	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3	365.5	356.8	349.4
162.5°	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8	360.7	353.5	347.2
165°	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5	354.0	348.7	344.0
167.5°	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1	347.8	343.9	340.8
170°	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3	344.0	340.6	338.6
172.5°	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0	340.2	337.9	337.0
175°	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3	335.9	334.6	334.6
177.5°	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6	333.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1413.2	1411.9	1405.3	1397.8	1387.9	1381.4	1376.2	1373.5	1365.0	1354.7	1347.6
5°	1500.6	1483.0	1464.3	1441.4	1420.3	1398.6	1385.2	1369.3	1350.0	1328.4	1313.1
7.5°	1594.1	1559.6	1522.5	1484.2	1446.3	1412.4	1382.3	1356.7	1325.9	1294.8	1273.0
10°	1665.9	1615.4	1563.3	1509.9	1461.3	1415.7	1380.4	1345.9	1309.0	1273.2	1246.3
12.5°	1731.0	1664.7	1604.6	1539.0	1476.8	1422.2	1371.6	1330.9	1286.5	1248.4	1217.7
15°	1813.4	1745.5	1672.8	1573.2	1490.6	1421.5	1359.9	1306.7	1252.8	1205.8	1176.0
17.5°	1890.6	1788.3	1690.7	1607.6	1500.2	1413.8	1338.8	1275.0	1215.8	1166.1	1129.4
20°	1922.4	1823.4	1717.4	1611.4	1505.9	1409.2	1321.9	1251.5	1190.1	1133.8	1099.8
22.5°	1941.6	1829.5	1717.9	1603.9	1491.8	1391.4	1305.0	1227.7	1161.0	1107.5	1065.6
25°	1964.0	1830.5	1707.4	1594.9	1480.7	1371.7	1269.1	1187.1	1115.1	1058.2	1013.7
27.5°	1978.8	1821.7	1676.3	1551.2	1435.3	1326.8	1232.8	1145.8	1072.7	1012.6	964.8
30°	1981.7	1814.6	1652.3	1517.0	1399.2	1299.6	1200.0	1116.8	1039.5	975.6	931.1
32.5°	1985.4	1797.3	1620.0	1476.2	1355.6	1257.0	1166.7	1087.3	1008.1	945.1	899.7
35°	1970.0	1787.7	1570.9	1405.7	1285.0	1189.5	1108.0	1034.7	956.8	895.9	849.6
37.5°	1903.3	1749.6	1520.0	1326.2	1200.0	1111.6	1045.2	981.4	909.8	844.1	800.5
40°	1836.3	1712.1	1480.7	1277.9	1146.1	1055.2	995.5	943.4	874.3	812.7	765.9
42.5°	1736.5	1661.0	1443.2	1227.3	1085.1	997.6	947.2	898.4	837.7	775.2	731.2
45°	1553.3	1563.3	1366.4	1146.7	1000.7	912.9	865.4	831.5	777.6	726.0	680.9
47.5°	1323.6	1416.8	1276.3	1060.8	911.8	829.3	787.8	758.2	721.9	671.2	630.1
50°	1173.6	1306.7	1204.1	1003.2	856.1	774.0	733.0	708.9	677.3	637.5	598.2
52.5°	1035.4	1178.2	1116.9	938.9	795.6	720.6	680.5	660.7	635.6	598.1	562.6
55°	844.3	989.0	975.0	842.0	704.9	637.5	607.0	584.8	567.7	539.7	511.5
57.5°	682.9	820.2	827.4	734.2	625.0	558.4	532.2	515.4	504.3	483.0	457.0
60°	581.3	707.2	731.8	661.5	567.7	509.2	483.4	469.9	461.2	444.1	424.2
62.5°	496.9	604.1	632.0	581.3	512.9	458.1	437.9	424.9	419.0	404.3	386.8
65°	380.3	469.3	496.3	468.1	432.4	388.5	372.0	360.9	355.7	347.5	334.6
67.5°	285.9	350.9	380.4	360.6	347.7	319.9	309.5	303.5	298.9	293.2	282.4
70°	229.7	277.8	308.2	302.9	292.4	277.8	270.1	266.0	261.3	256.7	247.3
72.5°	184.7	217.7	246.3	249.0	240.4	237.5	230.7	229.0	226.2	220.6	215.4
75°	122.4	145.3	165.2	172.9	176.3	179.3	176.3	175.8	175.2	170.5	167.6
77.5°	80.2	92.6	105.1	118.1	123.6	127.6	128.5	130.7	129.2	126.7	125.3
80°	61.6	64.5	73.3	84.4	93.2	96.7	99.0	100.2	99.6	99.0	96.7
82.5°	44.7	47.1	51.2	59.1	66.5	72.3	73.7	73.4	74.7	75.1	73.3
85°	24.0	24.6	25.7	26.9	31.1	37.5	39.3	40.5	41.6	41.6	38.1
87.5°	10.1	9.2	9.7	9.5	10.6	10.7	13.2	15.2	16.0	14.4	14.8
90°	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4	2.7	4.0	6.0
92.5°	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4	12.4	18.1	23.3
95°	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9	24.9	32.3	43.7
97.5°	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0	39.7	45.5	55.4
100°	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9	50.5	55.2	64.7
102.5°	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1	62.3	66.5	75.4
105°	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1	80.1	84.1	92.2
107.5°	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1	98.2	102.0	109.9
110°	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1	111.1	114.4	121.8





TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9	123.0	126.3	133.7
115°	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0	140.7	144.7	151.4
117.5°	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1	158.2	161.5	167.7
120°	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9	168.9	172.3	179.1
122.5°	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2	179.2	182.5	189.9
125°	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8	193.2	197.3	204.7
127.5°	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0	205.0	210.0	217.6
130°	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0	212.1	218.1	226.2
132.5°	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4	218.0	224.5	234.3
135°	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8	227.6	235.0	245.0
137.5°	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7	236.5	243.8	254.6
140°	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6	243.0	249.8	260.5
142.5°	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1	248.9	256.2	265.9
145°	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5	258.5	264.6	274.7
147.5°	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0	268.2	274.1	282.8
150°	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0	274.7	280.0	288.8
152.5°	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9	281.1	286.5	294.2
155°	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4	291.4	295.5	302.2
157.5°	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8	300.3	303.6	309.5
160°	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3	306.3	309.0	314.4
162.5°	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2	311.2	313.3	317.6
165°	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4	317.7	319.1	322.4
167.5°	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9	323.1	323.8	326.3
170°	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2	325.8	326.5	328.5
172.5°	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3	328.5	328.6	330.1
175°	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8	331.2	330.5	331.8
177.5°	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0	332.5	332.0	332.5
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1345.3	1339.2	1335.0	1325.6	1319.6	1312.9	1306.4	1310.6	1310.2	1309.7	1309.7
5°	1300.2	1286.7	1274.5	1258.6	1248.6	1236.3	1226.9	1225.8	1228.1	1220.0	1215.2
7.5°	1255.4	1237.0	1219.6	1202.1	1183.6	1168.8	1159.6	1155.2	1149.3	1144.2	1138.9
10°	1224.0	1202.4	1185.3	1163.6	1143.8	1126.2	1115.1	1107.4	1103.3	1099.2	1091.6
12.5°	1191.7	1170.4	1148.8	1124.3	1105.4	1084.9	1076.6	1068.1	1060.2	1055.6	1045.2
15°	1144.4	1116.8	1094.0	1068.2	1047.1	1027.2	1015.5	998.4	996.1	990.2	979.7
17.5°	1096.9	1067.0	1035.4	1016.4	992.6	971.8	954.0	948.3	931.5	925.2	916.0
20°	1059.4	1031.8	1007.8	982.7	948.0	928.7	914.6	907.1	893.5	885.4	879.5
22.5°	1027.0	999.0	971.3	941.8	913.3	891.7	881.4	869.5	862.1	850.7	844.3
25°	980.9	950.4	917.0	885.4	864.9	848.4	832.1	821.5	811.0	805.6	793.9
27.5°	927.2	895.4	864.1	840.1	814.9	798.7	783.9	774.5	761.8	752.9	746.5
30°	897.7	860.1	833.2	811.5	779.3	764.1	752.9	741.2	731.8	722.5	716.0
32.5°	863.4	829.2	803.7	776.9	752.1	735.5	721.1	710.8	702.7	693.9	687.4
35°	809.8	781.1	754.7	727.7	709.6	692.6	675.6	666.8	659.2	651.0	645.1
37.5°	761.2	734.4	709.4	683.8	661.2	647.5	633.8	627.1	616.7	611.2	605.3
40°	731.2	704.9	678.0	653.3	629.9	619.3	607.0	597.1	587.7	583.6	577.1
42.5°	698.4	672.1	649.4	622.8	603.6	589.4	578.0	567.1	560.1	554.1	550.4
45°	649.8	626.4	604.1	577.7	559.6	547.3	534.3	524.4	518.0	513.8	507.4
47.5°	602.6	579.1	556.6	533.6	516.0	501.9	489.0	482.1	473.6	468.6	464.2
50°	568.3	547.3	523.2	502.1	484.6	470.5	459.9	451.2	443.6	437.1	434.2
52.5°	536.9	514.4	493.7	474.1	455.5	439.5	430.0	420.7	415.0	407.6	404.2
55°	485.2	463.5	445.9	426.5	408.4	394.9	383.2	375.0	369.1	360.9	356.3
57.5°	436.5	417.1	396.1	379.4	360.6	349.2	339.5	328.4	321.2	314.8	310.2
60°	403.7	381.4	363.3	347.5	331.1	316.4	307.6	298.9	291.2	284.7	280.7
62.5°	369.5	350.1	332.8	315.6	300.6	287.8	277.6	270.3	263.6	259.4	255.4
65°	317.0	301.8	284.2	270.1	256.1	246.7	238.5	232.0	227.3	224.4	220.9
67.5°	268.7	253.9	238.6	224.8	215.4	208.3	202.9	197.3	195.0	191.2	188.9
70°	237.3	222.1	208.6	198.0	188.6	183.4	179.9	175.8	173.4	168.8	166.4
72.5°	203.1	192.1	182.4	173.7	166.2	161.4	156.9	151.9	148.1	142.9	140.6
75°	160.0	150.0	142.4	136.6	131.8	125.4	118.9	113.7	111.9	110.1	109.6
77.5°	118.5	112.2	106.7	101.7	95.8	91.2	89.8	88.6	88.3	87.3	87.3
80°	93.2	87.3	83.2	77.3	73.8	73.8	73.8	72.7	73.3	73.3	73.3
82.5°	69.2	63.9	61.6	59.5	58.8	59.3	59.3	59.5	59.2	60.1	59.7
85°	35.7	36.3	37.5	36.9	37.5	37.5	38.7	38.1	38.7	37.5	38.7
87.5°	14.6	16.3	17.1	18.0	18.9	18.9	19.2	19.3	19.9	20.1	20.3
90°	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8	17.5	18.2	19.5
92.5°	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7	44.9	39.7	36.2
95°	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4	164.3	128.5	104.4
97.5°	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1	483.9	397.0	316.5
100°	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7	739.1	660.4	564.7
102.5°	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6	854.9	809.0	748.4
105°	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1	942.4	955.2	937.7
107.5°	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1	931.3	990.3	1014.3
110°	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5	895.3	980.1	1027.3



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3	847.9	943.0	1003.5
115°	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0	772.1	871.1	944.4
117.5°	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9	708.0	796.9	871.3
120°	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6	672.4	753.3	821.2
122.5°	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7	643.9	718.8	782.0
125°	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1	608.6	673.1	727.0
127.5°	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0	577.4	635.8	684.8
130°	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5	558.0	612.6	658.3
132.5°	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0	539.8	590.5	634.1
135°	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8	513.6	557.3	595.7
137.5°	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3	488.4	526.2	559.4
140°	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5	473.9	506.2	535.1
142.5°	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4	459.9	487.9	513.1
145°	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4	441.6	463.1	482.7
147.5°	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4	428.0	445.4	459.3
150°	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9	419.4	433.5	446.3
152.5°	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0	411.3	423.8	434.5
155°	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1	399.8	409.9	418.0
157.5°	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6	388.7	396.5	402.8
160°	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3	381.7	388.4	393.1
162.5°	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8	374.1	380.3	384.5
165°	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5	363.5	368.2	371.6
167.5°	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1	355.2	358.0	360.4
170°	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3	349.4	352.1	353.4
172.5°	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0	344.5	346.6	347.5
175°	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3	337.9	339.2	339.2
177.5°	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6	334.2	334.7	334.7
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1304.1	1303.6	1304.1	1302.2	1304.1	1303.6	1304.1	1309.7	1309.7	1310.2	1310.6
5°	1213.5	1212.9	1211.2	1205.8	1211.2	1212.9	1213.5	1215.2	1220.0	1228.1	1225.8
7.5°	1134.4	1133.6	1128.4	1128.5	1128.4	1133.6	1134.4	1138.9	1144.2	1149.3	1155.2
10°	1087.5	1088.0	1081.1	1076.9	1081.1	1088.0	1087.5	1091.6	1099.2	1103.3	1107.4
12.5°	1042.1	1039.3	1033.7	1029.2	1033.7	1039.3	1042.1	1045.2	1055.6	1060.2	1068.1
15°	982.1	976.2	962.1	963.3	962.1	976.2	982.1	979.7	990.2	996.1	998.4
17.5°	911.4	907.1	906.8	898.6	906.8	907.1	911.4	916.0	925.2	931.5	948.3
20°	870.1	867.2	868.3	860.1	868.3	867.2	870.1	879.5	885.4	893.5	907.1
22.5°	837.8	834.8	829.9	827.3	829.9	834.8	837.8	844.3	850.7	862.1	869.5
25°	790.4	785.7	781.1	784.0	781.1	785.7	790.4	793.9	805.6	811.0	821.5
27.5°	743.1	739.6	734.9	734.3	734.9	739.6	743.1	746.5	752.9	761.8	774.5
30°	713.1	709.6	707.2	704.3	707.2	709.6	713.1	716.0	722.5	731.8	741.2
32.5°	682.6	681.9	677.7	677.1	677.7	681.9	682.6	687.4	693.9	702.7	710.8
35°	642.7	639.3	638.1	638.7	638.1	639.3	642.7	645.1	651.0	659.2	666.8
37.5°	604.9	600.2	598.1	596.0	598.1	600.2	604.9	605.3	611.2	616.7	627.1
40°	577.7	573.1	571.9	570.7	571.9	573.1	577.7	577.1	583.6	587.7	597.1
42.5°	547.3	545.4	544.7	542.6	544.7	545.4	547.3	550.4	554.1	560.1	567.1
45°	505.7	505.1	501.5	502.7	501.5	505.1	505.7	507.4	513.8	518.0	524.4
47.5°	461.8	459.3	456.8	458.4	456.8	459.3	461.8	464.2	468.6	473.6	482.1
50°	431.9	430.7	425.4	426.5	425.4	430.7	431.9	434.2	437.1	443.6	451.2
52.5°	401.8	397.4	395.4	394.7	395.4	397.4	401.8	404.2	407.6	415.0	420.7
55°	352.1	346.9	344.6	343.4	344.6	346.9	352.1	356.3	360.9	369.1	375.0
57.5°	303.4	302.0	300.1	301.4	300.1	302.0	303.4	310.2	314.8	321.2	328.4
60°	274.8	274.8	274.8	274.2	274.8	274.8	274.8	280.7	284.7	291.2	298.9
62.5°	252.8	251.3	250.9	251.8	250.9	251.3	252.8	255.4	259.4	263.6	270.3
65°	219.1	218.5	216.2	215.6	216.2	218.5	219.1	220.9	224.4	227.3	232.0
67.5°	187.4	185.3	184.6	183.7	184.6	185.3	187.4	188.9	191.2	195.0	197.3
70°	163.5	162.3	158.8	159.4	158.8	162.3	163.5	166.4	168.8	173.4	175.8
72.5°	137.7	136.6	135.8	135.0	135.8	136.6	137.7	140.6	142.9	148.1	151.9
75°	109.0	108.4	107.8	110.1	107.8	108.4	109.0	109.6	110.1	111.9	113.7
77.5°	87.3	87.3	87.6	86.7	87.6	87.3	87.3	87.3	87.3	88.3	88.6
80°	73.3	73.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	72.7
82.5°	58.7	59.2	59.5	58.6	59.5	59.2	58.7	59.7	60.1	59.2	59.5
85°	38.7	38.1	39.3	38.7	39.3	38.1	38.7	38.7	37.5	38.7	38.1
87.5°	21.1	20.3	20.4	20.8	20.4	20.3	21.1	20.3	20.1	19.9	19.3
90°	18.9	19.5	20.2	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8
92.5°	35.0	33.0	33.7	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7
95°	91.5	85.5	80.8	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4
97.5°	266.8	236.5	218.3	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1
100°	496.8	447.6	421.4	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7
102.5°	695.5	656.6	634.6	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6
105°	906.7	881.1	859.6	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1
107.5°	1014.9	1006.3	998.9	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1
110°	1046.0	1051.5	1050.1	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1038.0	1054.7	1059.8	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3
115°	994.9	1024.5	1038.0	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0
117.5°	923.9	957.9	977.2	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9
120°	874.4	912.1	928.2	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6
122.5°	829.1	863.1	880.9	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7
125°	770.1	799.7	816.5	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1
127.5°	723.1	748.4	763.6	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0
130°	694.1	718.2	732.4	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5
132.5°	667.6	691.9	704.4	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0
135°	628.7	648.9	661.0	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8
137.5°	587.1	607.6	617.9	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3
140°	560.8	579.5	590.4	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5
142.5°	534.9	551.6	561.3	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4
145°	499.5	513.6	519.0	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4
147.5°	472.0	481.6	486.7	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4
150°	456.4	463.8	467.9	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9
152.5°	442.4	449.3	451.7	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0
155°	424.0	429.5	430.8	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1
157.5°	408.0	412.1	413.2	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6
160°	397.9	401.8	401.8	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3
162.5°	387.6	391.1	391.1	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8
165°	374.3	376.9	376.3	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5
167.5°	361.6	363.5	362.8	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1
170°	354.0	355.4	354.7	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3
172.5°	347.6	349.0	347.8	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0
175°	339.2	339.9	339.2	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3
177.5°	334.2	334.7	333.6	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1306.4	1312.9	1319.6	1325.6	1335.0	1339.2	1345.3	1347.6	1354.7	1365.0	1373.5
5°	1226.9	1236.3	1248.6	1258.6	1274.5	1286.7	1300.2	1313.1	1328.4	1350.0	1369.3
7.5°	1159.6	1168.8	1183.6	1202.1	1219.6	1237.0	1255.4	1273.0	1294.8	1325.9	1356.7
10°	1115.1	1126.2	1143.8	1163.6	1185.3	1202.4	1224.0	1246.3	1273.2	1309.0	1345.9
12.5°	1076.6	1084.9	1105.4	1124.3	1148.8	1170.4	1191.7	1217.7	1248.4	1286.5	1330.9
15°	1015.5	1027.2	1047.1	1068.2	1094.0	1116.8	1144.4	1176.0	1205.8	1252.8	1306.7
17.5°	954.0	971.8	992.6	1016.4	1035.4	1067.0	1096.9	1129.4	1166.1	1215.8	1275.0
20°	914.6	928.7	948.0	982.7	1007.8	1031.8	1059.4	1099.8	1133.8	1190.1	1251.5
22.5°	881.4	891.7	913.3	941.8	971.3	999.0	1027.0	1065.6	1107.5	1161.0	1227.7
25°	832.1	848.4	864.9	885.4	917.0	950.4	980.9	1013.7	1058.2	1115.1	1187.1
27.5°	783.9	798.7	814.9	840.1	864.1	895.4	927.2	964.8	1012.6	1072.7	1145.8
30°	752.9	764.1	779.3	811.5	833.2	860.1	897.7	931.1	975.6	1039.5	1116.8
32.5°	721.1	735.5	752.1	776.9	803.7	829.2	863.4	899.7	945.1	1008.1	1087.3
35°	675.6	692.6	709.6	727.7	754.7	781.1	809.8	849.6	895.9	956.8	1034.7
37.5°	633.8	647.5	661.2	683.8	709.4	734.4	761.2	800.5	844.1	909.8	981.4
40°	607.0	619.3	629.9	653.3	678.0	704.9	731.2	765.9	812.7	874.3	943.4
42.5°	578.0	589.4	603.6	622.8	649.4	672.1	698.4	731.2	775.2	837.7	898.4
45°	534.3	547.3	559.6	577.7	604.1	626.4	649.8	680.9	726.0	777.6	831.5
47.5°	489.0	501.9	516.0	533.6	556.6	579.1	602.6	630.1	671.2	721.9	758.2
50°	459.9	470.5	484.6	502.1	523.2	547.3	568.3	598.2	637.5	677.3	708.9
52.5°	430.0	439.5	455.5	474.1	493.7	514.4	536.9	562.6	598.1	635.6	660.7
55°	383.2	394.9	408.4	426.5	445.9	463.5	485.2	511.5	539.7	567.7	584.8
57.5°	339.5	349.2	360.6	379.4	396.1	417.1	436.5	457.0	483.0	504.3	515.4
60°	307.6	316.4	331.1	347.5	363.3	381.4	403.7	424.2	444.1	461.2	469.9
62.5°	277.6	287.8	300.6	315.6	332.8	350.1	369.5	386.8	404.3	419.0	424.9
65°	238.5	246.7	256.1	270.1	284.2	301.8	317.0	334.6	347.5	355.7	360.9
67.5°	202.9	208.3	215.4	224.8	238.6	253.9	268.7	282.4	293.2	298.9	303.5
70°	179.9	183.4	188.6	198.0	208.6	222.1	237.3	247.3	256.7	261.3	266.0
72.5°	156.9	161.4	166.2	173.7	182.4	192.1	203.1	215.4	220.6	226.2	229.0
75°	118.9	125.4	131.8	136.6	142.4	150.0	160.0	167.6	170.5	175.2	175.8
77.5°	89.8	91.2	95.8	101.7	106.7	112.2	118.5	125.3	126.7	129.2	130.7
80°	73.8	73.8	73.8	77.3	83.2	87.3	93.2	96.7	99.0	99.6	100.2
82.5°	59.3	59.3	58.8	59.5	61.6	63.9	69.2	73.3	75.1	74.7	73.4
85°	38.7	37.5	37.5	36.9	37.5	36.3	35.7	38.1	41.6	41.6	40.5
87.5°	19.2	18.9	18.9	18.0	17.1	16.3	14.6	14.8	14.4	16.0	15.2
90°	16.2	16.8	14.8	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4
92.5°	78.1	103.5	113.9	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4
95°	323.8	399.2	355.4	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9
97.5°	661.9	618.6	452.9	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0
100°	770.1	637.5	430.8	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9
102.5°	775.5	602.4	398.5	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1
105°	734.4	541.2	358.8	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1
107.5°	662.5	487.1	333.5	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1
110°	617.3	456.4	323.8	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	578.0	435.9	318.4	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9
115°	530.5	414.0	316.4	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0
117.5°	501.8	401.1	317.6	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1
120°	486.7	395.1	319.8	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9
122.5°	474.3	391.4	323.5	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2
125°	458.4	386.4	329.2	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8
127.5°	444.4	384.0	335.6	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0
130°	436.9	382.4	339.9	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0
132.5°	429.9	381.8	343.2	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4
135°	420.7	381.0	348.0	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8
137.5°	412.8	379.5	351.3	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7
140°	407.9	379.0	353.4	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6
142.5°	403.6	377.9	355.0	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1
145°	397.9	376.3	356.1	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5
147.5°	392.2	373.8	356.1	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0
150°	388.4	371.6	356.1	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0
152.5°	384.1	368.9	354.5	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9
155°	377.6	364.2	352.8	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4
157.5°	370.4	360.0	350.4	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8
160°	365.5	356.8	349.4	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3
162.5°	360.7	353.5	347.2	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2
165°	354.0	348.7	344.0	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4
167.5°	347.8	343.9	340.8	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9
170°	344.0	340.6	338.6	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2
172.5°	340.2	337.9	337.0	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3
175°	335.9	334.6	334.6	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8
177.5°	333.0	332.5	333.0	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332344-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1376.2	1381.4	1387.9	1397.8	1405.3	1411.9	1413.2	1415.1	1419.9	1427.8	1433.9
5°	1385.2	1398.6	1420.3	1441.4	1464.3	1483.0	1500.6	1512.9	1524.6	1549.2	1569.2
7.5°	1382.3	1412.4	1446.3	1484.2	1522.5	1559.6	1594.1	1625.0	1655.6	1691.5	1732.4
10°	1380.4	1415.7	1461.3	1509.9	1563.3	1615.4	1665.9	1705.1	1750.8	1791.8	1843.9
12.5°	1371.6	1422.2	1476.8	1539.0	1604.6	1664.7	1731.0	1785.2	1837.5	1896.8	1957.4
15°	1359.9	1421.5	1490.6	1573.2	1672.8	1745.5	1813.4	1907.8	1972.3	2036.7	2123.5
17.5°	1338.8	1413.8	1500.2	1607.6	1690.7	1788.3	1890.6	1965.1	2051.9	2142.8	2221.3
20°	1321.9	1409.2	1505.9	1611.4	1717.4	1823.4	1922.4	2011.6	2101.2	2206.1	2270.5
22.5°	1305.0	1391.4	1491.8	1603.9	1717.9	1829.5	1941.6	2046.3	2147.1	2252.9	2335.2
25°	1269.1	1371.7	1480.7	1594.9	1707.4	1830.5	1964.0	2080.7	2205.5	2314.5	2392.4
27.5°	1232.8	1326.8	1435.3	1551.2	1676.3	1821.7	1978.8	2111.3	2236.4	2314.5	2339.0
30°	1200.0	1299.6	1399.2	1517.0	1652.3	1814.6	1981.7	2133.4	2235.9	2269.9	2244.7
32.5°	1166.7	1257.0	1355.6	1476.2	1620.0	1797.3	1985.4	2120.3	2182.0	2156.0	2053.5
35°	1108.0	1189.5	1285.0	1405.7	1570.9	1787.7	1970.0	2061.3	2046.1	1899.6	1706.2
37.5°	1045.2	1111.6	1200.0	1326.2	1520.0	1749.6	1903.3	1916.8	1785.0	1560.1	1336.8
40°	995.5	1055.2	1146.1	1277.9	1480.7	1712.1	1836.3	1781.8	1577.4	1327.1	1140.8
42.5°	947.2	997.6	1085.1	1227.3	1443.2	1661.0	1736.5	1617.8	1381.9	1145.3	975.9
45°	865.4	912.9	1000.7	1146.7	1366.4	1563.3	1553.3	1347.0	1110.9	920.5	779.9
47.5°	787.8	829.3	911.8	1060.8	1276.3	1416.8	1323.6	1104.1	903.9	751.1	650.7
50°	733.0	774.0	856.1	1003.2	1204.1	1306.7	1173.6	962.1	778.7	652.1	572.5
52.5°	680.5	720.6	795.6	938.9	1116.9	1178.2	1035.4	839.3	686.4	577.1	508.7
55°	607.0	637.5	704.9	842.0	975.0	989.0	844.3	680.3	554.3	478.1	431.3
57.5°	532.2	558.4	625.0	734.2	827.4	820.2	682.9	541.1	456.2	399.6	365.7
60°	483.4	509.2	567.7	661.5	731.8	707.2	581.3	467.0	394.3	352.8	325.8
62.5°	437.9	458.1	512.9	581.3	632.0	604.1	496.9	402.3	344.7	309.6	288.3
65°	372.0	388.5	432.4	468.1	496.3	469.3	380.3	314.6	273.0	248.4	233.8
67.5°	309.5	319.9	347.7	360.6	380.4	350.9	285.9	242.0	218.3	197.6	187.4
70°	270.1	277.8	292.4	302.9	308.2	277.8	229.7	197.4	177.5	162.9	156.4
72.5°	230.7	237.5	240.4	249.0	246.3	217.7	184.7	159.0	144.7	134.7	126.5
75°	176.3	179.3	176.3	172.9	165.2	145.3	122.4	109.6	99.0	94.4	91.4
77.5°	128.5	127.6	123.6	118.1	105.1	92.6	80.2	75.9	71.4	68.9	67.8
80°	99.0	96.7	93.2	84.4	73.3	64.5	61.6	58.6	56.8	53.9	53.3
82.5°	73.7	72.3	66.5	59.1	51.2	47.1	44.7	43.6	41.8	40.3	40.2
85°	39.3	37.5	31.1	26.9	25.7	24.6	24.0	24.0	21.7	21.1	21.1
87.5°	13.2	10.7	10.6	9.5	9.7	9.2	10.1	9.6	9.5	9.8	9.0
90°	2.7	4.0	6.0	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8
92.5°	12.4	18.1	23.3	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7
95°	24.9	32.3	43.7	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4
97.5°	39.7	45.5	55.4	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1
100°	50.5	55.2	64.7	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7
102.5°	62.3	66.5	75.4	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6
105°	80.1	84.1	92.2	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1
107.5°	98.2	102.0	109.9	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1
110°	111.1	114.4	121.8	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.0	126.3	133.7	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3
115°	140.7	144.7	151.4	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0
117.5°	158.2	161.5	167.7	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9
120°	168.9	172.3	179.1	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6
122.5°	179.2	182.5	189.9	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7
125°	193.2	197.3	204.7	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1
127.5°	205.0	210.0	217.6	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0
130°	212.1	218.1	226.2	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5
132.5°	218.0	224.5	234.3	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0
135°	227.6	235.0	245.0	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8
137.5°	236.5	243.8	254.6	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3
140°	243.0	249.8	260.5	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5
142.5°	248.9	256.2	265.9	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4
145°	258.5	264.6	274.7	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4
147.5°	268.2	274.1	282.8	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4
150°	274.7	280.0	288.8	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9
152.5°	281.1	286.5	294.2	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0
155°	291.4	295.5	302.2	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1
157.5°	300.3	303.6	309.5	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6
160°	306.3	309.0	314.4	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3
162.5°	311.2	313.3	317.6	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8
165°	317.7	319.1	322.4	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5
167.5°	323.1	323.8	326.3	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1
170°	325.8	326.5	328.5	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3
172.5°	328.5	328.6	330.1	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0
175°	331.2	330.5	331.8	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3
177.5°	332.5	332.0	332.5	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1443.7	1443.7	1445.6	1452.7	1453.6	1459.7	1457.8
5°	1586.7	1597.8	1602.0	1619.5	1630.0	1634.8	1625.4
7.5°	1761.6	1792.9	1807.8	1826.3	1842.5	1847.4	1834.7
10°	1889.0	1921.8	1949.4	1966.4	1982.2	1992.8	2006.2
12.5°	2012.3	2052.6	2078.8	2102.8	2119.1	2132.4	2134.7
15°	2146.3	2207.3	2253.5	2287.5	2304.5	2313.2	2309.8
17.5°	2281.4	2337.9	2370.8	2405.5	2429.1	2430.3	2430.9
20°	2357.8	2412.9	2451.0	2476.8	2503.1	2502.0	2507.8
22.5°	2408.9	2452.3	2481.5	2500.2	2509.2	2504.7	2505.9
25°	2432.8	2445.7	2440.4	2410.5	2403.0	2375.4	2380.1
27.5°	2309.5	2248.6	2185.6	2104.5	2040.5	1989.3	1991.9
30°	2142.2	2034.4	1911.3	1808.2	1715.6	1689.9	1634.8
32.5°	1908.3	1746.5	1602.4	1506.3	1426.8	1405.3	1357.3
35°	1511.7	1354.7	1206.4	1117.4	1082.2	1033.0	1032.4
37.5°	1175.0	1036.7	958.4	891.6	856.5	826.7	823.8
40°	988.5	880.6	821.5	773.4	738.9	716.6	711.4
42.5°	858.2	770.9	715.6	685.8	659.2	647.7	639.1
45°	700.8	642.2	603.5	576.5	564.3	555.4	550.8
47.5°	586.2	546.9	520.6	502.7	492.7	483.4	485.9
50°	523.8	491.6	472.3	455.3	447.6	441.2	441.8
52.5°	473.6	444.7	429.1	416.8	407.3	402.8	400.5
55°	401.9	383.7	368.0	359.2	353.9	347.5	345.7
57.5°	342.9	328.8	315.9	306.0	304.7	298.5	299.3
60°	303.5	291.8	281.3	276.0	271.9	266.6	268.4
62.5°	271.2	261.3	251.8	247.4	243.3	239.4	240.2
65°	222.1	212.7	206.8	204.5	202.8	201.0	199.2
67.5°	176.9	171.3	167.6	162.6	158.9	158.3	156.5
70°	148.9	141.2	134.7	128.3	126.6	126.0	126.6
72.5°	119.3	114.5	112.7	109.6	109.3	107.7	108.7
75°	89.6	87.9	86.7	84.4	84.4	84.4	84.4
77.5°	66.1	65.0	64.3	63.9	63.3	62.4	62.3
80°	51.6	51.0	49.8	49.8	49.2	49.8	49.2
82.5°	38.9	38.8	37.6	37.6	37.0	36.7	37.0
85°	19.9	19.4	20.5	19.4	19.9	18.8	19.9
87.5°	9.1	9.3	9.0	9.0	8.6	9.6	8.6
90°	17.5	18.2	19.5	18.9	19.5	20.2	19.5
92.5°	44.9	39.7	36.2	35.0	33.0	33.7	32.5
95°	164.3	128.5	104.4	91.5	85.5	80.8	78.1
97.5°	483.9	397.0	316.5	266.8	236.5	218.3	212.6
100°	739.1	660.4	564.7	496.8	447.6	421.4	422.1
102.5°	854.9	809.0	748.4	695.5	656.6	634.6	619.1
105°	942.4	955.2	937.7	906.7	881.1	859.6	856.3
107.5°	931.3	990.3	1014.3	1014.9	1006.3	998.9	992.7
110°	895.3	980.1	1027.3	1046.0	1051.5	1050.1	1048.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	847.9	943.0	1003.5	1038.0	1054.7	1059.8	1060.1
115°	772.1	871.1	944.4	994.9	1024.5	1038.0	1041.4
117.5°	708.0	796.9	871.3	923.9	957.9	977.2	981.9
120°	672.4	753.3	821.2	874.4	912.1	928.2	932.3
122.5°	643.9	718.8	782.0	829.1	863.1	880.9	886.0
125°	608.6	673.1	727.0	770.1	799.7	816.5	821.2
127.5°	577.4	635.8	684.8	723.1	748.4	763.6	767.9
130°	558.0	612.6	658.3	694.1	718.2	732.4	737.8
132.5°	539.8	590.5	634.1	667.6	691.9	704.4	708.2
135°	513.6	557.3	595.7	628.7	648.9	661.0	665.7
137.5°	488.4	526.2	559.4	587.1	607.6	617.9	621.0
140°	473.9	506.2	535.1	560.8	579.5	590.4	589.7
142.5°	459.9	487.9	513.1	534.9	551.6	561.3	560.6
145°	441.6	463.1	482.7	499.5	513.6	519.0	520.3
147.5°	428.0	445.4	459.3	472.0	481.6	486.7	487.2
150°	419.4	433.5	446.3	456.4	463.8	467.9	467.9
152.5°	411.3	423.8	434.5	442.4	449.3	451.7	451.7
155°	399.8	409.9	418.0	424.0	429.5	430.8	431.4
157.5°	388.7	396.5	402.8	408.0	412.1	413.2	413.0
160°	381.7	388.4	393.1	397.9	401.8	401.8	401.2
162.5°	374.1	380.3	384.5	387.6	391.1	391.1	390.5
165°	363.5	368.2	371.6	374.3	376.9	376.3	376.3
167.5°	355.2	358.0	360.4	361.6	363.5	362.8	362.8
170°	349.4	352.1	353.4	354.0	355.4	354.7	354.7
172.5°	344.5	346.6	347.5	347.6	349.0	347.8	347.2
175°	337.9	339.2	339.2	339.2	339.9	339.2	338.6
177.5°	334.2	334.7	334.7	334.2	334.7	333.6	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5

(END OF REPORT)