

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: P332350-930

Luminaire Tested: **S123RDIP-S1000D1025U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332350-930
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-S1000D1025U930-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6254.8 lumens
Efficiency: N/A
Efficacy: 103.4 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

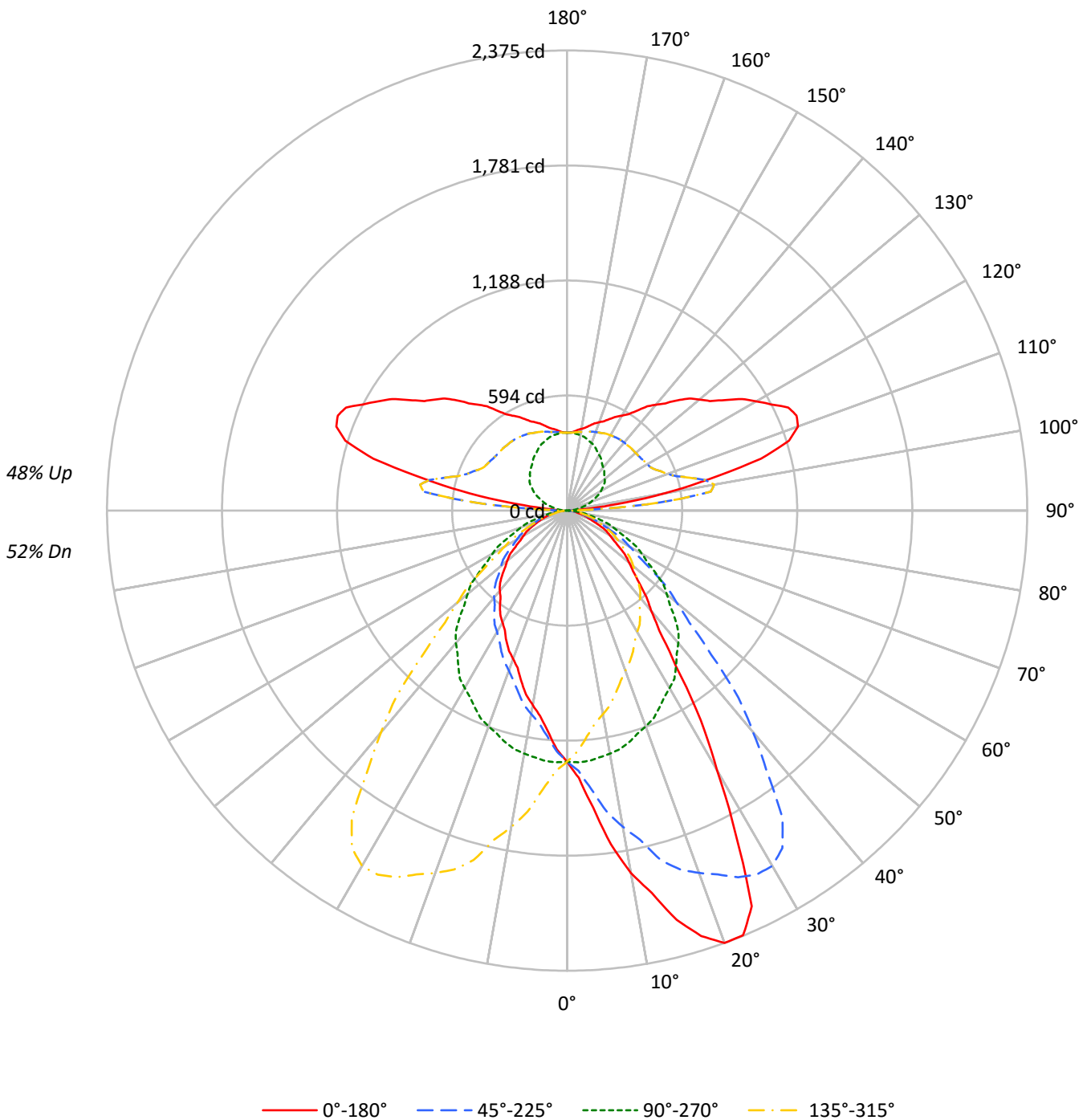
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	99	95	91	88	91	88	85	82	75	72	70	63	61	60	52	51	50	45
2	90	83	78	73	83	77	72	68	66	62	59	56	53	51	46	45	43	38
3	83	74	67	61	76	69	63	58	59	54	51	50	47	44	42	39	37	33
4	76	66	58	52	70	61	55	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	47	42	38	41	36	33	34	31	29	26
6	65	53	45	39	60	50	43	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	29	25	23	20
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	26	23	21	18
9	52	40	33	28	48	38	31	26	33	28	24	29	24	21	24	21	19	17
10	49	37	30	25	45	35	28	24	30	25	22	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13951	13951	13951	13951
5°	16630	14011	12337	14011
10°	20764	13930	11146	13930
15°	24373	13788	10165	13788
20°	27202	13575	9330	13575
25°	26766	13351	8817	13351
30°	19240	13144	8289	13144
35°	12846	12875	7947	12875
40°	9465	12552	7593	12552
45°	7939	11985	7247	11985
50°	7005	11241	6764	11241
55°	6142	10393	6101	10393
60°	5470	9580	5591	9580
65°	4806	8706	5201	8706
70°	3770	7928	4749	7928
75°	3323	6924	4338	6924
80°	2889	5883	4265	5883
85°	2322	4730	4520	4730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	2.0
10°-20°	398.2	6.4
20°-30°	625.6	10.0
30°-40°	652.7	10.4
40°-50°	558.6	8.9
50°-60°	425.7	6.8
60°-70°	272.9	4.4
70°-80°	131.3	2.1
80°-90°	37.8	0.6
90°-100°	223.7	3.6
100°-110°	633.5	10.1
110°-120°	623.2	10.0
120°-130°	497.1	7.9
130°-140°	391.9	6.3
140°-150°	292.5	4.7
150°-160°	203.9	3.3
160°-170°	119.8	1.9
170°-180°	39.0	0.6
0°-30°	1151.2	18.4
0°-40°	1803.9	28.8
0°-60°	2788.2	44.6
0°-90°	3230.2	51.6
90°-120°	1480.5	23.7
90°-150°	2662.0	42.6
90°-180°	3025.0	48.4
0°-180°	6254.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1539	1297	1142	1297	1539	159
15°	2187	1237	912	1237	2187	620
25°	2254	1124	742	1124	2254	969
35°	978	980	605	980	978	641
45°	522	787	476	787	522	410
55°	327	554	325	554	327	296
65°	189	342	204	342	189	186
75°	80	166	104	166	80	86
85°	19	38	37	38	19	22
90°	24	2	24	2	24	13
95°	94	28	94	28	94	170
105°	1035	94	1035	94	1035	1021
115°	1259	167	1259	167	1259	1223
125°	993	232	993	232	993	900
135°	805	272	805	272	805	624
145°	629	310	629	310	629	400
155°	522	352	522	352	522	243
165°	455	385	455	385	455	130
175°	409	401	409	401	409	40
180°	402	402	402	402	402	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1380.5	1382.2	1376.5	1375.6	1368.9	1367.1	1367.1	1357.8	1352.0	1344.5	1340.0
5°	1539.1	1548.0	1543.5	1533.6	1516.9	1513.0	1502.5	1485.9	1467.0	1443.7	1432.6
7.5°	1737.3	1749.4	1744.7	1729.3	1711.9	1697.8	1668.1	1640.5	1601.7	1567.7	1538.7
10°	1899.7	1887.0	1877.0	1862.1	1845.9	1819.8	1788.8	1746.0	1696.7	1657.8	1614.6
12.5°	2021.4	2019.3	2006.6	1991.2	1968.5	1943.7	1905.5	1853.5	1796.1	1740.0	1690.4
15°	2187.2	2190.5	2182.1	2166.1	2133.9	2090.1	2032.4	2010.8	1928.6	1867.6	1806.5
17.5°	2301.9	2301.3	2300.1	2277.9	2245.0	2213.8	2160.3	2103.4	2029.0	1943.0	1860.8
20°	2374.7	2369.2	2370.2	2345.3	2320.9	2284.8	2232.7	2150.0	2089.0	1989.7	1904.8
22.5°	2372.9	2371.8	2376.0	2367.5	2349.8	2322.1	2281.0	2211.3	2133.3	2033.1	1937.6
25°	2253.7	2249.3	2275.4	2282.6	2310.9	2315.9	2303.7	2265.4	2191.6	2088.4	1970.3
27.5°	1886.2	1883.7	1932.2	1992.8	2069.6	2129.2	2187.0	2214.8	2191.6	2117.7	1999.3
30°	1548.0	1600.2	1624.6	1712.2	1809.9	1926.4	2028.5	2125.6	2149.5	2117.3	2020.1
32.5°	1285.2	1330.7	1351.1	1426.4	1517.4	1653.8	1807.0	1944.5	2041.6	2066.2	2007.8
35°	977.6	978.2	1024.7	1058.1	1142.4	1282.8	1431.5	1615.7	1798.8	1937.5	1951.9
37.5°	780.1	782.9	811.1	844.2	907.5	981.7	1112.6	1265.8	1477.3	1690.3	1815.1
40°	673.6	678.6	699.7	732.4	777.9	833.9	936.0	1080.3	1256.7	1493.6	1687.3
42.5°	605.2	613.3	624.2	649.4	677.6	730.0	812.6	924.1	1084.5	1308.6	1531.9
45°	521.5	525.9	534.3	545.9	571.4	608.1	663.6	738.5	871.6	1052.0	1275.5
47.5°	460.1	457.7	466.5	476.0	492.9	517.9	555.1	616.2	711.2	855.9	1045.5
50°	418.3	417.8	423.9	431.1	447.2	465.5	496.0	542.1	617.5	737.4	911.0
52.5°	379.3	381.4	385.7	394.7	406.3	421.1	448.5	481.7	546.5	650.0	794.8
55°	327.3	329.1	335.1	340.1	348.5	363.4	380.6	408.4	452.7	524.9	644.2
57.5°	283.4	282.7	288.5	289.8	299.1	311.4	324.7	346.3	378.4	432.0	512.3
60°	254.1	252.4	257.5	261.3	266.4	276.3	287.4	308.5	334.0	373.4	442.2
62.5°	227.5	226.7	230.4	234.2	238.4	247.4	256.8	273.0	293.2	326.4	381.0
65°	188.7	190.3	192.0	193.6	195.8	201.4	210.3	221.4	235.2	258.5	297.9
67.5°	148.2	149.9	150.5	153.9	158.7	162.2	167.5	177.4	187.1	206.8	229.2
70°	119.8	119.3	119.8	121.5	127.6	133.7	141.0	148.1	154.3	168.1	186.9
72.5°	103.0	102.0	103.5	103.8	106.7	108.4	113.0	119.8	127.6	137.1	150.6
75°	79.9	79.9	79.9	79.9	82.1	83.2	84.9	86.6	89.4	93.8	103.8
77.5°	59.0	59.1	59.9	60.5	60.9	61.6	62.6	64.2	65.2	67.6	71.9
80°	46.6	47.1	46.6	47.1	47.1	48.3	48.8	50.5	51.0	53.8	55.5
82.5°	35.1	34.7	35.1	35.6	35.6	36.8	36.9	38.1	38.2	39.6	41.3
85°	18.8	17.8	18.8	18.3	19.4	18.3	18.8	20.0	20.0	20.5	22.7
87.5°	9.1	10.2	9.1	9.5	9.6	9.7	9.5	9.4	10.1	9.9	9.8
90°	23.6	24.4	23.6	22.7	23.6	22.0	21.2	20.4	19.6	20.4	17.9
92.5°	39.2	40.7	39.9	42.3	43.8	48.0	54.4	68.5	94.4	125.1	137.7
95°	94.4	97.7	103.4	110.7	126.1	155.5	198.6	292.9	391.4	482.6	429.7
97.5°	257.0	264.0	286.0	322.6	382.6	480.0	585.0	730.3	800.1	747.9	547.6
100°	510.3	509.5	541.2	600.6	682.8	798.3	893.6	959.5	931.0	770.7	520.8
102.5°	748.5	767.3	793.8	840.8	904.8	978.0	1033.6	1035.7	937.5	728.4	481.8
105°	1035.2	1039.3	1065.3	1096.2	1133.7	1154.8	1139.4	1057.9	887.9	654.3	433.7
107.5°	1200.2	1207.7	1216.5	1226.9	1226.3	1197.3	1126.0	993.8	801.0	588.9	403.2
110°	1268.0	1269.6	1271.2	1264.7	1241.9	1184.9	1082.4	932.6	746.2	551.8	391.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1281.6	1281.2	1275.0	1254.9	1213.2	1140.0	1025.1	872.0	698.7	527.0	384.9
115°	1259.0	1254.9	1238.6	1202.8	1141.7	1053.0	933.4	791.8	641.3	500.5	382.5
117.5°	1187.0	1181.5	1158.1	1117.0	1053.4	963.4	856.0	733.8	606.6	484.9	383.9
120°	1127.2	1122.3	1102.7	1057.1	992.9	910.7	813.0	703.1	588.4	477.7	386.5
122.5°	1071.1	1064.9	1043.5	1002.5	945.3	869.0	778.5	679.1	573.4	473.1	391.1
125°	992.9	987.2	966.8	931.0	878.9	813.8	735.7	647.0	554.2	467.2	397.9
127.5°	928.4	923.2	904.8	874.2	827.8	768.6	698.1	619.0	537.3	464.2	405.8
130°	891.9	885.4	868.4	839.0	795.9	740.5	674.7	601.4	528.2	462.3	411.0
132.5°	856.1	851.6	836.4	807.1	766.6	713.9	652.5	585.1	519.7	461.6	414.9
135°	804.9	799.2	784.5	760.1	720.2	673.8	620.9	563.1	508.7	460.6	420.8
137.5°	750.6	746.9	734.6	709.8	676.3	636.1	590.5	543.2	499.0	458.9	424.6
140°	712.9	713.7	700.7	677.9	647.0	612.0	572.9	531.4	493.2	458.2	427.2
142.5°	677.8	678.6	666.8	646.7	620.3	589.9	556.0	520.3	488.0	456.9	429.2
145°	629.1	627.5	620.9	603.8	583.5	559.9	533.9	507.0	480.9	454.9	430.5
147.5°	589.1	588.4	582.2	570.6	555.2	538.4	517.4	496.1	474.1	451.8	430.5
150°	565.6	565.6	560.7	551.8	539.6	524.1	507.0	488.3	469.5	449.2	430.5
152.5°	546.1	546.1	543.2	534.8	525.2	512.4	497.3	481.1	464.4	446.0	428.5
155°	521.6	520.8	519.2	512.7	505.4	495.6	483.4	470.3	456.6	440.3	426.4
157.5°	499.4	499.5	498.2	493.3	487.0	479.3	469.9	459.0	447.8	435.2	423.7
160°	485.0	485.8	485.8	480.9	475.2	469.5	461.5	452.5	441.9	431.3	422.4
162.5°	472.0	472.8	472.8	468.6	464.9	459.8	452.3	444.7	436.0	427.4	419.8
165°	454.9	454.9	455.8	452.5	449.2	445.2	439.4	434.6	428.0	421.6	415.9
167.5°	438.6	438.6	439.4	437.2	435.7	432.8	429.5	425.7	420.4	415.7	412.0
170°	428.8	428.8	429.7	428.0	427.2	425.6	422.4	420.0	415.9	411.8	409.4
172.5°	419.8	420.4	421.9	420.3	420.1	419.1	416.5	414.7	411.3	408.5	407.4
175°	409.4	410.2	411.0	410.2	410.2	410.2	408.5	407.7	406.1	404.5	404.5
177.5°	403.3	403.3	404.6	404.0	404.6	404.6	404.0	403.3	402.7	402.0	402.7
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1338.2	1336.9	1330.7	1323.6	1314.3	1308.1	1303.2	1300.6	1292.6	1282.8	1276.1
5°	1420.9	1404.3	1386.6	1364.9	1344.9	1324.4	1311.7	1296.7	1278.3	1257.8	1243.4
7.5°	1509.5	1476.8	1441.7	1405.4	1369.5	1337.4	1309.0	1284.7	1255.5	1226.0	1205.4
10°	1577.4	1529.7	1480.3	1429.8	1383.7	1340.5	1307.2	1274.5	1239.5	1205.7	1180.1
12.5°	1639.1	1576.3	1519.4	1457.3	1398.4	1346.7	1298.8	1260.3	1218.2	1182.1	1153.1
15°	1717.2	1652.9	1584.0	1489.7	1411.5	1346.1	1287.8	1237.3	1186.3	1141.8	1113.5
17.5°	1790.2	1693.4	1600.9	1522.2	1420.6	1338.8	1267.7	1207.3	1151.3	1104.2	1069.4
20°	1820.4	1726.6	1626.2	1525.8	1426.0	1334.4	1251.7	1185.1	1126.9	1073.6	1041.5
22.5°	1838.6	1732.4	1626.7	1518.7	1412.6	1317.5	1235.7	1162.5	1099.3	1048.7	1009.0
25°	1859.8	1733.3	1616.8	1510.3	1402.1	1298.9	1201.8	1124.1	1055.9	1002.0	959.9
27.5°	1873.8	1725.0	1587.3	1468.8	1359.1	1256.4	1167.3	1085.0	1015.8	958.9	913.6
30°	1876.5	1718.3	1564.6	1436.5	1324.9	1230.6	1136.3	1057.5	984.3	923.8	881.7
32.5°	1880.0	1701.9	1534.0	1397.8	1283.7	1190.3	1104.8	1029.6	954.6	895.0	851.9
35°	1865.4	1692.8	1487.5	1331.1	1216.8	1126.3	1049.2	979.8	906.0	848.3	804.5
37.5°	1802.3	1656.8	1439.3	1255.8	1136.3	1052.6	989.7	929.3	861.5	799.3	758.0
40°	1738.9	1621.2	1402.1	1210.1	1085.2	999.2	942.6	893.3	827.9	769.6	725.2
42.5°	1644.3	1572.9	1366.6	1162.1	1027.5	944.7	896.9	850.7	793.2	734.0	692.4
45°	1470.9	1480.3	1293.9	1085.8	947.6	864.5	819.5	787.3	736.3	687.5	644.7
47.5°	1253.4	1341.6	1208.5	1004.4	863.4	785.3	746.0	718.0	683.5	635.6	596.6
50°	1111.3	1237.3	1140.2	949.9	810.7	733.0	694.1	671.3	641.4	603.6	566.5
52.5°	980.4	1115.7	1057.6	889.1	753.3	682.3	644.4	625.7	601.9	566.4	532.7
55°	799.5	936.5	923.2	797.3	667.5	603.6	574.8	553.8	537.6	511.0	484.4
57.5°	646.7	776.7	783.5	695.2	591.8	528.7	503.9	488.0	477.5	457.4	432.8
60°	550.4	669.7	693.0	626.4	537.6	482.2	457.7	445.0	436.7	420.5	401.7
62.5°	470.5	572.0	598.4	550.5	485.7	433.7	414.7	402.4	396.7	382.9	366.2
65°	360.1	444.4	469.9	443.3	409.4	367.9	352.3	341.8	336.8	329.1	316.8
67.5°	270.8	332.2	360.2	341.4	329.2	303.0	293.1	287.4	283.0	277.6	267.4
70°	217.5	263.0	291.9	286.8	276.9	263.0	255.8	251.9	247.4	243.0	234.2
72.5°	174.9	206.2	233.3	235.8	227.6	224.9	218.5	216.9	214.2	208.9	204.0
75°	115.9	137.6	156.5	163.7	167.0	169.7	167.0	166.5	165.9	161.4	158.7
77.5°	76.0	87.6	99.5	111.9	117.1	120.8	121.7	123.8	122.3	119.9	118.6
80°	58.3	61.1	69.4	79.9	88.2	91.6	93.8	94.9	94.3	93.8	91.6
82.5°	42.3	44.6	48.5	55.9	62.9	68.5	69.8	69.5	70.8	71.1	69.4
85°	22.7	23.3	24.4	25.5	29.4	35.5	37.2	38.3	39.4	39.4	36.0
87.5°	10.2	9.3	9.7	9.4	10.4	10.3	12.6	14.5	15.3	13.9	14.3
90°	15.5	13.0	10.6	9.0	7.3	4.9	3.3	1.6	3.3	4.9	7.3
92.5°	103.4	68.3	47.0	35.0	28.1	21.9	15.0	10.1	15.0	21.9	28.1
95°	296.2	175.0	105.8	74.0	52.9	39.1	30.1	27.6	30.1	39.1	52.9
97.5°	325.1	188.3	122.2	87.9	67.0	55.0	48.0	47.2	48.0	55.0	67.0
100°	306.8	186.4	129.4	97.7	78.1	66.8	61.1	60.3	61.1	66.8	78.1
102.5°	291.1	189.0	137.9	108.8	91.2	80.4	75.3	73.9	75.3	80.4	91.2
105°	280.0	196.2	152.2	126.9	111.5	101.7	96.9	94.4	96.9	101.7	111.5
107.5°	279.2	209.5	170.9	147.5	133.0	123.4	118.6	116.2	118.6	123.4	133.0
110°	282.4	220.5	183.9	161.1	147.3	138.4	134.3	131.8	134.3	138.4	147.3



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	288.9	231.6	197.6	175.5	161.6	152.7	148.6	146.2	148.6	152.7	161.6
115°	299.5	249.8	218.9	197.0	183.1	175.0	170.1	166.8	170.1	175.0	183.1
117.5°	313.5	269.2	238.6	218.3	202.8	195.3	191.3	187.5	191.3	195.3	202.8
120°	323.9	281.6	252.3	232.0	216.5	208.3	204.2	201.8	204.2	208.3	216.5
122.5°	333.7	294.6	266.0	244.3	229.5	220.7	216.6	214.2	216.6	220.7	229.5
125°	349.1	313.3	284.9	262.9	247.4	238.5	233.6	232.0	233.6	238.5	247.4
127.5°	361.8	329.6	302.1	280.1	263.0	253.9	247.9	245.5	247.9	253.9	263.0
130°	370.3	339.3	312.5	290.5	273.5	263.7	256.3	253.9	256.3	263.7	273.5
132.5°	378.1	347.8	321.6	300.3	283.2	271.5	263.5	260.4	263.5	271.5	283.2
135°	388.2	360.5	335.3	313.3	296.2	284.1	275.1	271.8	275.1	284.1	296.2
137.5°	395.7	369.3	345.0	324.7	307.8	294.7	286.0	282.6	286.0	294.7	307.8
140°	399.6	375.2	351.6	331.3	315.0	301.9	293.8	289.8	293.8	301.9	315.0
142.5°	403.5	379.8	356.8	337.7	321.5	309.7	300.9	297.5	300.9	309.7	321.5
145°	407.7	385.7	364.6	345.8	332.1	319.8	312.5	310.1	312.5	319.8	332.1
147.5°	410.3	390.6	371.3	355.3	341.9	331.4	324.2	322.8	324.2	331.4	341.9
150°	411.0	393.9	375.2	360.5	349.1	338.5	332.1	331.3	332.1	338.5	349.1
152.5°	412.3	395.8	379.8	365.7	355.6	346.3	339.8	339.7	339.8	346.3	355.6
155°	412.6	399.6	385.7	374.4	365.4	357.3	352.4	352.4	352.4	357.3	365.4
157.5°	413.4	401.7	390.6	381.8	374.2	367.0	363.1	362.5	363.1	367.0	374.2
160°	413.4	403.7	393.9	385.7	380.0	373.6	370.3	370.3	370.3	373.6	380.0
162.5°	412.8	404.3	395.8	389.0	383.9	378.8	376.2	376.2	376.2	378.8	383.9
165°	411.0	405.3	398.8	393.1	389.8	385.7	384.1	384.9	384.1	385.7	389.8
167.5°	409.7	405.1	400.4	396.8	394.5	391.4	390.6	391.6	390.6	391.4	394.5
170°	407.7	404.5	400.4	398.8	397.1	394.7	393.9	395.5	393.9	394.7	397.1
172.5°	407.1	404.5	401.0	400.1	399.1	397.3	397.1	398.1	397.1	397.3	399.1
175°	405.3	403.7	402.0	401.2	401.2	399.6	400.4	401.2	400.4	399.6	401.2
177.5°	404.0	402.7	402.0	402.0	402.0	401.4	402.0	402.7	402.0	401.4	402.0
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1273.9	1268.1	1264.1	1255.2	1249.5	1243.2	1237.1	1241.0	1240.6	1240.2	1240.2
5°	1231.2	1218.4	1206.8	1191.8	1182.3	1170.7	1161.8	1160.7	1162.9	1155.2	1150.7
7.5°	1188.8	1171.3	1154.9	1138.3	1120.8	1106.8	1098.0	1093.9	1088.3	1083.5	1078.5
10°	1159.0	1138.6	1122.4	1101.9	1083.0	1066.4	1055.9	1048.6	1044.7	1040.9	1033.6
12.5°	1128.5	1108.3	1087.9	1064.6	1046.7	1027.4	1019.5	1011.4	1004.0	999.6	989.7
15°	1083.6	1057.5	1035.9	1011.5	991.5	972.7	961.6	945.4	943.2	937.7	927.7
17.5°	1038.7	1010.3	980.5	962.5	939.9	920.2	903.4	898.0	882.1	876.1	867.4
20°	1003.1	977.1	954.3	930.5	897.7	879.4	866.1	858.9	846.1	838.4	832.8
22.5°	972.5	946.0	919.7	891.9	864.9	844.3	834.6	823.4	816.4	805.5	799.5
25°	928.8	899.9	868.3	838.4	819.0	803.4	787.9	777.9	767.9	762.9	751.8
27.5°	878.0	847.8	818.2	795.5	771.7	756.4	742.2	733.4	721.4	713.0	706.9
30°	850.0	814.5	789.0	768.4	737.9	723.5	713.0	701.9	693.0	684.1	678.0
32.5°	817.6	785.2	761.0	735.6	712.2	696.4	682.8	673.0	665.4	657.0	650.9
35°	766.8	739.6	714.6	689.1	671.9	655.8	639.8	631.4	624.2	616.4	610.9
37.5°	720.8	695.5	671.7	647.5	626.1	613.1	600.1	593.8	584.0	578.8	573.2
40°	692.4	667.5	642.0	618.6	596.5	586.4	574.8	565.4	556.5	552.6	546.5
42.5°	661.4	636.4	614.9	589.8	571.6	558.1	547.3	537.0	530.4	524.6	521.2
45°	615.3	593.1	572.0	547.1	529.9	518.2	506.0	496.6	490.5	486.6	480.5
47.5°	570.6	548.4	527.0	505.2	488.6	475.2	463.1	456.5	448.4	443.7	439.5
50°	538.2	518.2	495.5	475.5	458.9	445.6	435.5	427.2	420.0	413.9	411.2
52.5°	508.4	487.1	467.5	448.9	431.3	416.2	407.2	398.4	393.0	386.0	382.7
55°	459.4	438.9	422.2	403.9	386.7	374.0	362.9	355.1	349.5	341.8	337.4
57.5°	413.4	394.9	375.0	359.2	341.4	330.7	321.5	311.0	304.2	298.1	293.8
60°	382.3	361.2	344.0	329.1	313.5	299.6	291.3	283.0	275.7	269.6	265.8
62.5°	349.8	331.5	315.1	298.8	284.6	272.6	262.9	255.9	249.6	245.6	241.8
65°	300.2	285.8	269.1	255.8	242.5	233.6	225.8	219.7	215.2	212.5	209.2
67.5°	254.5	240.4	225.9	212.9	204.0	197.2	192.1	186.9	184.7	181.1	178.9
70°	224.7	210.3	197.5	187.5	178.6	173.7	170.3	166.5	164.2	159.8	157.6
72.5°	192.3	181.9	172.7	164.4	157.4	152.8	148.5	143.8	140.2	135.3	133.1
75°	151.5	142.0	134.9	129.3	124.8	118.7	112.6	107.6	106.0	104.3	103.8
77.5°	112.2	106.2	101.0	96.3	90.7	86.3	85.0	83.9	83.6	82.7	82.7
80°	88.2	82.7	78.8	73.2	69.9	69.9	69.9	68.8	69.4	69.4	69.4
82.5°	65.6	60.5	58.4	56.3	55.7	56.2	56.2	56.3	56.0	56.9	56.5
85°	33.8	34.4	35.5	35.0	35.5	35.5	36.6	36.0	36.6	35.5	36.6
87.5°	14.2	15.9	16.8	17.8	18.7	18.8	19.0	19.2	19.7	19.9	20.2
90°	9.0	10.6	13.0	15.5	17.9	20.4	19.6	20.4	21.2	22.0	23.6
92.5°	35.0	47.0	68.3	103.4	137.7	125.1	94.4	68.5	54.4	48.0	43.8
95°	74.0	105.8	175.0	296.2	429.7	482.6	391.4	292.9	198.6	155.5	126.1
97.5°	87.9	122.2	188.3	325.1	547.6	747.9	800.1	730.3	585.0	480.0	382.6
100°	97.7	129.4	186.4	306.8	520.8	770.7	931.0	959.5	893.6	798.3	682.8
102.5°	108.8	137.9	189.0	291.1	481.8	728.4	937.5	1035.7	1033.6	978.0	904.8
105°	126.9	152.2	196.2	280.0	433.7	654.3	887.9	1057.9	1139.4	1154.8	1133.7
107.5°	147.5	170.9	209.5	279.2	403.2	588.9	801.0	993.8	1126.0	1197.3	1226.3
110°	161.1	183.9	220.5	282.4	391.4	551.8	746.2	932.6	1082.4	1184.9	1241.9



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	175.5	197.6	231.6	288.9	384.9	527.0	698.7	872.0	1025.1	1140.0	1213.2
115°	197.0	218.9	249.8	299.5	382.5	500.5	641.3	791.8	933.4	1053.0	1141.7
117.5°	218.3	238.6	269.2	313.5	383.9	484.9	606.6	733.8	856.0	963.4	1053.4
120°	232.0	252.3	281.6	323.9	386.5	477.7	588.4	703.1	813.0	910.7	992.9
122.5°	244.3	266.0	294.6	333.7	391.1	473.1	573.4	679.1	778.5	869.0	945.3
125°	262.9	284.9	313.3	349.1	397.9	467.2	554.2	647.0	735.7	813.8	878.9
127.5°	280.1	302.1	329.6	361.8	405.8	464.2	537.3	619.0	698.1	768.6	827.8
130°	290.5	312.5	339.3	370.3	411.0	462.3	528.2	601.4	674.7	740.5	795.9
132.5°	300.3	321.6	347.8	378.1	414.9	461.6	519.7	585.1	652.5	713.9	766.6
135°	313.3	335.3	360.5	388.2	420.8	460.6	508.7	563.1	620.9	673.8	720.2
137.5°	324.7	345.0	369.3	395.7	424.6	458.9	499.0	543.2	590.5	636.1	676.3
140°	331.3	351.6	375.2	399.6	427.2	458.2	493.2	531.4	572.9	612.0	647.0
142.5°	337.7	356.8	379.8	403.5	429.2	456.9	488.0	520.3	556.0	589.9	620.3
145°	345.8	364.6	385.7	407.7	430.5	454.9	480.9	507.0	533.9	559.9	583.5
147.5°	355.3	371.3	390.6	410.3	430.5	451.8	474.1	496.1	517.4	538.4	555.2
150°	360.5	375.2	393.9	411.0	430.5	449.2	469.5	488.3	507.0	524.1	539.6
152.5°	365.7	379.8	395.8	412.3	428.5	446.0	464.4	481.1	497.3	512.4	525.2
155°	374.4	385.7	399.6	412.6	426.4	440.3	456.6	470.3	483.4	495.6	505.4
157.5°	381.8	390.6	401.7	413.4	423.7	435.2	447.8	459.0	469.9	479.3	487.0
160°	385.7	393.9	403.7	413.4	422.4	431.3	441.9	452.5	461.5	469.5	475.2
162.5°	389.0	395.8	404.3	412.8	419.8	427.4	436.0	444.7	452.3	459.8	464.9
165°	393.1	398.8	405.3	411.0	415.9	421.6	428.0	434.6	439.4	445.2	449.2
167.5°	396.8	400.4	405.1	409.7	412.0	415.7	420.4	425.7	429.5	432.8	435.7
170°	398.8	400.4	404.5	407.7	409.4	411.8	415.9	420.0	422.4	425.6	427.2
172.5°	400.1	401.0	404.5	407.1	407.4	408.5	411.3	414.7	416.5	419.1	420.1
175°	401.2	402.0	403.7	405.3	404.5	404.5	406.1	407.7	408.5	410.2	410.2
177.5°	402.0	402.0	402.7	404.0	402.7	402.0	402.7	403.3	404.0	404.6	404.6
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1234.9	1234.4	1234.9	1233.1	1234.9	1234.4	1234.9	1240.2	1240.2	1240.6	1241.0
5°	1149.1	1148.5	1146.9	1141.8	1146.9	1148.5	1149.1	1150.7	1155.2	1162.9	1160.7
7.5°	1074.2	1073.4	1068.5	1068.6	1068.5	1073.4	1074.2	1078.5	1083.5	1088.3	1093.9
10°	1029.8	1030.3	1023.7	1019.8	1023.7	1030.3	1029.8	1033.6	1040.9	1044.7	1048.6
12.5°	986.8	984.1	978.8	974.5	978.8	984.1	986.8	989.7	999.6	1004.0	1011.4
15°	929.9	924.4	911.0	912.2	911.0	924.4	929.9	927.7	937.7	943.2	945.4
17.5°	863.0	858.9	858.7	850.9	858.7	858.9	863.0	867.4	876.1	882.1	898.0
20°	823.9	821.2	822.2	814.5	822.2	821.2	823.9	832.8	838.4	846.1	858.9
22.5°	793.3	790.5	785.9	783.4	785.9	790.5	793.3	799.5	805.5	816.4	823.4
25°	748.4	744.0	739.6	742.4	739.6	744.0	748.4	751.8	762.9	767.9	777.9
27.5°	703.7	700.3	695.9	695.3	695.9	700.3	703.7	706.9	713.0	721.4	733.4
30°	675.2	671.9	669.7	666.9	669.7	671.9	675.2	678.0	684.1	693.0	701.9
32.5°	646.4	645.7	641.7	641.2	641.7	645.7	646.4	650.9	657.0	665.4	673.0
35°	608.6	605.4	604.2	604.8	604.2	605.4	608.6	610.9	616.4	624.2	631.4
37.5°	572.8	568.3	566.4	564.4	566.4	568.3	572.8	573.2	578.8	584.0	593.8
40°	547.1	542.7	541.5	540.4	541.5	542.7	547.1	546.5	552.6	556.5	565.4
42.5°	518.2	516.4	515.8	513.8	515.8	516.4	518.2	521.2	524.6	530.4	537.0
45°	478.8	478.3	474.9	476.1	474.9	478.3	478.8	480.5	486.6	490.5	496.6
47.5°	437.3	434.9	432.5	434.1	432.5	434.9	437.3	439.5	443.7	448.4	456.5
50°	409.0	407.8	402.8	403.9	402.8	407.8	409.0	411.2	413.9	420.0	427.2
52.5°	380.5	376.3	374.4	373.7	374.4	376.3	380.5	382.7	386.0	393.0	398.4
55°	333.5	328.5	326.3	325.1	326.3	328.5	333.5	337.4	341.8	349.5	355.1
57.5°	287.3	285.9	284.2	285.4	284.2	285.9	287.3	293.8	298.1	304.2	311.0
60°	260.2	260.2	260.2	259.7	260.2	260.2	260.2	265.8	269.6	275.7	283.0
62.5°	239.4	238.0	237.6	238.4	237.6	238.0	239.4	241.8	245.6	249.6	255.9
65°	207.5	206.9	204.7	204.2	204.7	206.9	207.5	209.2	212.5	215.2	219.7
67.5°	177.4	175.5	174.8	174.0	174.8	175.5	177.4	178.9	181.1	184.7	186.9
70°	154.8	153.7	150.3	150.9	150.3	153.7	154.8	157.6	159.8	164.2	166.5
72.5°	130.4	129.3	128.6	127.8	128.6	129.3	130.4	133.1	135.3	140.2	143.8
75°	103.2	102.6	102.1	104.3	102.1	102.6	103.2	103.8	104.3	106.0	107.6
77.5°	82.7	82.7	83.0	82.1	83.0	82.7	82.7	82.7	82.7	83.6	83.9
80°	69.4	69.4	68.8	68.8	68.8	69.4	69.4	69.4	69.4	69.4	68.8
82.5°	55.6	56.0	56.3	55.5	56.3	56.0	55.6	56.5	56.9	56.0	56.3
85°	36.6	36.0	37.2	36.6	37.2	36.0	36.6	36.6	35.5	36.6	36.0
87.5°	21.0	20.2	20.4	20.7	20.4	20.2	21.0	20.2	19.9	19.7	19.2
90°	22.7	23.6	24.4	23.6	24.4	23.6	22.7	23.6	22.0	21.2	20.4
92.5°	42.3	39.9	40.7	39.2	40.7	39.9	42.3	43.8	48.0	54.4	68.5
95°	110.7	103.4	97.7	94.4	97.7	103.4	110.7	126.1	155.5	198.6	292.9
97.5°	322.6	286.0	264.0	257.0	264.0	286.0	322.6	382.6	480.0	585.0	730.3
100°	600.6	541.2	509.5	510.3	509.5	541.2	600.6	682.8	798.3	893.6	959.5
102.5°	840.8	793.8	767.3	748.5	767.3	793.8	840.8	904.8	978.0	1033.6	1035.7
105°	1096.2	1065.3	1039.3	1035.2	1039.3	1065.3	1096.2	1133.7	1154.8	1139.4	1057.9
107.5°	1226.9	1216.5	1207.7	1200.2	1207.7	1216.5	1226.9	1226.3	1197.3	1126.0	993.8
110°	1264.7	1271.2	1269.6	1268.0	1269.6	1271.2	1264.7	1241.9	1184.9	1082.4	932.6



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1254.9	1275.0	1281.2	1281.6	1281.2	1275.0	1254.9	1213.2	1140.0	1025.1	872.0
115°	1202.8	1238.6	1254.9	1259.0	1254.9	1238.6	1202.8	1141.7	1053.0	933.4	791.8
117.5°	1117.0	1158.1	1181.5	1187.0	1181.5	1158.1	1117.0	1053.4	963.4	856.0	733.8
120°	1057.1	1102.7	1122.3	1127.2	1122.3	1102.7	1057.1	992.9	910.7	813.0	703.1
122.5°	1002.5	1043.5	1064.9	1071.1	1064.9	1043.5	1002.5	945.3	869.0	778.5	679.1
125°	931.0	966.8	987.2	992.9	987.2	966.8	931.0	878.9	813.8	735.7	647.0
127.5°	874.2	904.8	923.2	928.4	923.2	904.8	874.2	827.8	768.6	698.1	619.0
130°	839.0	868.4	885.4	891.9	885.4	868.4	839.0	795.9	740.5	674.7	601.4
132.5°	807.1	836.4	851.6	856.1	851.6	836.4	807.1	766.6	713.9	652.5	585.1
135°	760.1	784.5	799.2	804.9	799.2	784.5	760.1	720.2	673.8	620.9	563.1
137.5°	709.8	734.6	746.9	750.6	746.9	734.6	709.8	676.3	636.1	590.5	543.2
140°	677.9	700.7	713.7	712.9	713.7	700.7	677.9	647.0	612.0	572.9	531.4
142.5°	646.7	666.8	678.6	677.8	678.6	666.8	646.7	620.3	589.9	556.0	520.3
145°	603.8	620.9	627.5	629.1	627.5	620.9	603.8	583.5	559.9	533.9	507.0
147.5°	570.6	582.2	588.4	589.1	588.4	582.2	570.6	555.2	538.4	517.4	496.1
150°	551.8	560.7	565.6	565.6	565.6	560.7	551.8	539.6	524.1	507.0	488.3
152.5°	534.8	543.2	546.1	546.1	546.1	543.2	534.8	525.2	512.4	497.3	481.1
155°	512.7	519.2	520.8	521.6	520.8	519.2	512.7	505.4	495.6	483.4	470.3
157.5°	493.3	498.2	499.5	499.4	499.5	498.2	493.3	487.0	479.3	469.9	459.0
160°	480.9	485.8	485.8	485.0	485.8	485.8	480.9	475.2	469.5	461.5	452.5
162.5°	468.6	472.8	472.8	472.0	472.8	472.8	468.6	464.9	459.8	452.3	444.7
165°	452.5	455.8	454.9	454.9	454.9	455.8	452.5	449.2	445.2	439.4	434.6
167.5°	437.2	439.4	438.6	438.6	438.6	439.4	437.2	435.7	432.8	429.5	425.7
170°	428.0	429.7	428.8	428.8	428.8	429.7	428.0	427.2	425.6	422.4	420.0
172.5°	420.3	421.9	420.4	419.8	420.4	421.9	420.3	420.1	419.1	416.5	414.7
175°	410.2	411.0	410.2	409.4	410.2	411.0	410.2	410.2	410.2	408.5	407.7
177.5°	404.0	404.6	403.3	403.3	403.3	404.6	404.0	404.6	404.6	404.0	403.3
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1237.1	1243.2	1249.5	1255.2	1264.1	1268.1	1273.9	1276.1	1282.8	1292.6	1300.6
5°	1161.8	1170.7	1182.3	1191.8	1206.8	1218.4	1231.2	1243.4	1257.8	1278.3	1296.7
7.5°	1098.0	1106.8	1120.8	1138.3	1154.9	1171.3	1188.8	1205.4	1226.0	1255.5	1284.7
10°	1055.9	1066.4	1083.0	1101.9	1122.4	1138.6	1159.0	1180.1	1205.7	1239.5	1274.5
12.5°	1019.5	1027.4	1046.7	1064.6	1087.9	1108.3	1128.5	1153.1	1182.1	1218.2	1260.3
15°	961.6	972.7	991.5	1011.5	1035.9	1057.5	1083.6	1113.5	1141.8	1186.3	1237.3
17.5°	903.4	920.2	939.9	962.5	980.5	1010.3	1038.7	1069.4	1104.2	1151.3	1207.3
20°	866.1	879.4	897.7	930.5	954.3	977.1	1003.1	1041.5	1073.6	1126.9	1185.1
22.5°	834.6	844.3	864.9	891.9	919.7	946.0	972.5	1009.0	1048.7	1099.3	1162.5
25°	787.9	803.4	819.0	838.4	868.3	899.9	928.8	959.9	1002.0	1055.9	1124.1
27.5°	742.2	756.4	771.7	795.5	818.2	847.8	878.0	913.6	958.9	1015.8	1085.0
30°	713.0	723.5	737.9	768.4	789.0	814.5	850.0	881.7	923.8	984.3	1057.5
32.5°	682.8	696.4	712.2	735.6	761.0	785.2	817.6	851.9	895.0	954.6	1029.6
35°	639.8	655.8	671.9	689.1	714.6	739.6	766.8	804.5	848.3	906.0	979.8
37.5°	600.1	613.1	626.1	647.5	671.7	695.5	720.8	758.0	799.3	861.5	929.3
40°	574.8	586.4	596.5	618.6	642.0	667.5	692.4	725.2	769.6	827.9	893.3
42.5°	547.3	558.1	571.6	589.8	614.9	636.4	661.4	692.4	734.0	793.2	850.7
45°	506.0	518.2	529.9	547.1	572.0	593.1	615.3	644.7	687.5	736.3	787.3
47.5°	463.1	475.2	488.6	505.2	527.0	548.4	570.6	596.6	635.6	683.5	718.0
50°	435.5	445.6	458.9	475.5	495.5	518.2	538.2	566.5	603.6	641.4	671.3
52.5°	407.2	416.2	431.3	448.9	467.5	487.1	508.4	532.7	566.4	601.9	625.7
55°	362.9	374.0	386.7	403.9	422.2	438.9	459.4	484.4	511.0	537.6	553.8
57.5°	321.5	330.7	341.4	359.2	375.0	394.9	413.4	432.8	457.4	477.5	488.0
60°	291.3	299.6	313.5	329.1	344.0	361.2	382.3	401.7	420.5	436.7	445.0
62.5°	262.9	272.6	284.6	298.8	315.1	331.5	349.8	366.2	382.9	396.7	402.4
65°	225.8	233.6	242.5	255.8	269.1	285.8	300.2	316.8	329.1	336.8	341.8
67.5°	192.1	197.2	204.0	212.9	225.9	240.4	254.5	267.4	277.6	283.0	287.4
70°	170.3	173.7	178.6	187.5	197.5	210.3	224.7	234.2	243.0	247.4	251.9
72.5°	148.5	152.8	157.4	164.4	172.7	181.9	192.3	204.0	208.9	214.2	216.9
75°	112.6	118.7	124.8	129.3	134.9	142.0	151.5	158.7	161.4	165.9	166.5
77.5°	85.0	86.3	90.7	96.3	101.0	106.2	112.2	118.6	119.9	122.3	123.8
80°	69.9	69.9	69.9	73.2	78.8	82.7	88.2	91.6	93.8	94.3	94.9
82.5°	56.2	56.2	55.7	56.3	58.4	60.5	65.6	69.4	71.1	70.8	69.5
85°	36.6	35.5	35.5	35.0	35.5	34.4	33.8	36.0	39.4	39.4	38.3
87.5°	19.0	18.8	18.7	17.8	16.8	15.9	14.2	14.3	13.9	15.3	14.5
90°	19.6	20.4	17.9	15.5	13.0	10.6	9.0	7.3	4.9	3.3	1.6
92.5°	94.4	125.1	137.7	103.4	68.3	47.0	35.0	28.1	21.9	15.0	10.1
95°	391.4	482.6	429.7	296.2	175.0	105.8	74.0	52.9	39.1	30.1	27.6
97.5°	800.1	747.9	547.6	325.1	188.3	122.2	87.9	67.0	55.0	48.0	47.2
100°	931.0	770.7	520.8	306.8	186.4	129.4	97.7	78.1	66.8	61.1	60.3
102.5°	937.5	728.4	481.8	291.1	189.0	137.9	108.8	91.2	80.4	75.3	73.9
105°	887.9	654.3	433.7	280.0	196.2	152.2	126.9	111.5	101.7	96.9	94.4
107.5°	801.0	588.9	403.2	279.2	209.5	170.9	147.5	133.0	123.4	118.6	116.2
110°	746.2	551.8	391.4	282.4	220.5	183.9	161.1	147.3	138.4	134.3	131.8



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	698.7	527.0	384.9	288.9	231.6	197.6	175.5	161.6	152.7	148.6	146.2
115°	641.3	500.5	382.5	299.5	249.8	218.9	197.0	183.1	175.0	170.1	166.8
117.5°	606.6	484.9	383.9	313.5	269.2	238.6	218.3	202.8	195.3	191.3	187.5
120°	588.4	477.7	386.5	323.9	281.6	252.3	232.0	216.5	208.3	204.2	201.8
122.5°	573.4	473.1	391.1	333.7	294.6	266.0	244.3	229.5	220.7	216.6	214.2
125°	554.2	467.2	397.9	349.1	313.3	284.9	262.9	247.4	238.5	233.6	232.0
127.5°	537.3	464.2	405.8	361.8	329.6	302.1	280.1	263.0	253.9	247.9	245.5
130°	528.2	462.3	411.0	370.3	339.3	312.5	290.5	273.5	263.7	256.3	253.9
132.5°	519.7	461.6	414.9	378.1	347.8	321.6	300.3	283.2	271.5	263.5	260.4
135°	508.7	460.6	420.8	388.2	360.5	335.3	313.3	296.2	284.1	275.1	271.8
137.5°	499.0	458.9	424.6	395.7	369.3	345.0	324.7	307.8	294.7	286.0	282.6
140°	493.2	458.2	427.2	399.6	375.2	351.6	331.3	315.0	301.9	293.8	289.8
142.5°	488.0	456.9	429.2	403.5	379.8	356.8	337.7	321.5	309.7	300.9	297.5
145°	480.9	454.9	430.5	407.7	385.7	364.6	345.8	332.1	319.8	312.5	310.1
147.5°	474.1	451.8	430.5	410.3	390.6	371.3	355.3	341.9	331.4	324.2	322.8
150°	469.5	449.2	430.5	411.0	393.9	375.2	360.5	349.1	338.5	332.1	331.3
152.5°	464.4	446.0	428.5	412.3	395.8	379.8	365.7	355.6	346.3	339.8	339.7
155°	456.6	440.3	426.4	412.6	399.6	385.7	374.4	365.4	357.3	352.4	352.4
157.5°	447.8	435.2	423.7	413.4	401.7	390.6	381.8	374.2	367.0	363.1	362.5
160°	441.9	431.3	422.4	413.4	403.7	393.9	385.7	380.0	373.6	370.3	370.3
162.5°	436.0	427.4	419.8	412.8	404.3	395.8	389.0	383.9	378.8	376.2	376.2
165°	428.0	421.6	415.9	411.0	405.3	398.8	393.1	389.8	385.7	384.1	384.9
167.5°	420.4	415.7	412.0	409.7	405.1	400.4	396.8	394.5	391.4	390.6	391.6
170°	415.9	411.8	409.4	407.7	404.5	400.4	398.8	397.1	394.7	393.9	395.5
172.5°	411.3	408.5	407.4	407.1	404.5	401.0	400.1	399.1	397.3	397.1	398.1
175°	406.1	404.5	404.5	405.3	403.7	402.0	401.2	401.2	399.6	400.4	401.2
177.5°	402.7	402.0	402.7	404.0	402.7	402.0	402.0	402.0	401.4	402.0	402.7
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



TEST NUMBER: P332350-930

CATALOG NUMBER: S123RDIP-S1000D1025U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1303.2	1308.1	1314.3	1323.6	1330.7	1336.9	1338.2	1340.0	1344.5	1352.0	1357.8
5°	1311.7	1324.4	1344.9	1364.9	1386.6	1404.3	1420.9	1432.6	1443.7	1467.0	1485.9
7.5°	1309.0	1337.4	1369.5	1405.4	1441.7	1476.8	1509.5	1538.7	1567.7	1601.7	1640.5
10°	1307.2	1340.5	1383.7	1429.8	1480.3	1529.7	1577.4	1614.6	1657.8	1696.7	1746.0
12.5°	1298.8	1346.7	1398.4	1457.3	1519.4	1576.3	1639.1	1690.4	1740.0	1796.1	1853.5
15°	1287.8	1346.1	1411.5	1489.7	1584.0	1652.9	1717.2	1806.5	1867.6	1928.6	2010.8
17.5°	1267.7	1338.8	1420.6	1522.2	1600.9	1693.4	1790.2	1860.8	1943.0	2029.0	2103.4
20°	1251.7	1334.4	1426.0	1525.8	1626.2	1726.6	1820.4	1904.8	1989.7	2089.0	2150.0
22.5°	1235.7	1317.5	1412.6	1518.7	1626.7	1732.4	1838.6	1937.6	2033.1	2133.3	2211.3
25°	1201.8	1298.9	1402.1	1510.3	1616.8	1733.3	1859.8	1970.3	2088.4	2191.6	2265.4
27.5°	1167.3	1256.4	1359.1	1468.8	1587.3	1725.0	1873.8	1999.3	2117.7	2191.6	2214.8
30°	1136.3	1230.6	1324.9	1436.5	1564.6	1718.3	1876.5	2020.1	2117.3	2149.5	2125.6
32.5°	1104.8	1190.3	1283.7	1397.8	1534.0	1701.9	1880.0	2007.8	2066.2	2041.6	1944.5
35°	1049.2	1126.3	1216.8	1331.1	1487.5	1692.8	1865.4	1951.9	1937.5	1798.8	1615.7
37.5°	989.7	1052.6	1136.3	1255.8	1439.3	1656.8	1802.3	1815.1	1690.3	1477.3	1265.8
40°	942.6	999.2	1085.2	1210.1	1402.1	1621.2	1738.9	1687.3	1493.6	1256.7	1080.3
42.5°	896.9	944.7	1027.5	1162.1	1366.6	1572.9	1644.3	1531.9	1308.6	1084.5	924.1
45°	819.5	864.5	947.6	1085.8	1293.9	1480.3	1470.9	1275.5	1052.0	871.6	738.5
47.5°	746.0	785.3	863.4	1004.4	1208.5	1341.6	1253.4	1045.5	855.9	711.2	616.2
50°	694.1	733.0	810.7	949.9	1140.2	1237.3	1111.3	911.0	737.4	617.5	542.1
52.5°	644.4	682.3	753.3	889.1	1057.6	1115.7	980.4	794.8	650.0	546.5	481.7
55°	574.8	603.6	667.5	797.3	923.2	936.5	799.5	644.2	524.9	452.7	408.4
57.5°	503.9	528.7	591.8	695.2	783.5	776.7	646.7	512.3	432.0	378.4	346.3
60°	457.7	482.2	537.6	626.4	693.0	669.7	550.4	442.2	373.4	334.0	308.5
62.5°	414.7	433.7	485.7	550.5	598.4	572.0	470.5	381.0	326.4	293.2	273.0
65°	352.3	367.9	409.4	443.3	469.9	444.4	360.1	297.9	258.5	235.2	221.4
67.5°	293.1	303.0	329.2	341.4	360.2	332.2	270.8	229.2	206.8	187.1	177.4
70°	255.8	263.0	276.9	286.8	291.9	263.0	217.5	186.9	168.1	154.3	148.1
72.5°	218.5	224.9	227.6	235.8	233.3	206.2	174.9	150.6	137.1	127.6	119.8
75°	167.0	169.7	167.0	163.7	156.5	137.6	115.9	103.8	93.8	89.4	86.6
77.5°	121.7	120.8	117.1	111.9	99.5	87.6	76.0	71.9	67.6	65.2	64.2
80°	93.8	91.6	88.2	79.9	69.4	61.1	58.3	55.5	53.8	51.0	50.5
82.5°	69.8	68.5	62.9	55.9	48.5	44.6	42.3	41.3	39.6	38.2	38.1
85°	37.2	35.5	29.4	25.5	24.4	23.3	22.7	22.7	20.5	20.0	20.0
87.5°	12.6	10.3	10.4	9.4	9.7	9.3	10.2	9.8	9.9	10.1	9.4
90°	3.3	4.9	7.3	9.0	10.6	13.0	15.5	17.9	20.4	19.6	20.4
92.5°	15.0	21.9	28.1	35.0	47.0	68.3	103.4	137.7	125.1	94.4	68.5
95°	30.1	39.1	52.9	74.0	105.8	175.0	296.2	429.7	482.6	391.4	292.9
97.5°	48.0	55.0	67.0	87.9	122.2	188.3	325.1	547.6	747.9	800.1	730.3
100°	61.1	66.8	78.1	97.7	129.4	186.4	306.8	520.8	770.7	931.0	959.5
102.5°	75.3	80.4	91.2	108.8	137.9	189.0	291.1	481.8	728.4	937.5	1035.7
105°	96.9	101.7	111.5	126.9	152.2	196.2	280.0	433.7	654.3	887.9	1057.9
107.5°	118.6	123.4	133.0	147.5	170.9	209.5	279.2	403.2	588.9	801.0	993.8
110°	134.3	138.4	147.3	161.1	183.9	220.5	282.4	391.4	551.8	746.2	932.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	148.6	152.7	161.6	175.5	197.6	231.6	288.9	384.9	527.0	698.7	872.0
115°	170.1	175.0	183.1	197.0	218.9	249.8	299.5	382.5	500.5	641.3	791.8
117.5°	191.3	195.3	202.8	218.3	238.6	269.2	313.5	383.9	484.9	606.6	733.8
120°	204.2	208.3	216.5	232.0	252.3	281.6	323.9	386.5	477.7	588.4	703.1
122.5°	216.6	220.7	229.5	244.3	266.0	294.6	333.7	391.1	473.1	573.4	679.1
125°	233.6	238.5	247.4	262.9	284.9	313.3	349.1	397.9	467.2	554.2	647.0
127.5°	247.9	253.9	263.0	280.1	302.1	329.6	361.8	405.8	464.2	537.3	619.0
130°	256.3	263.7	273.5	290.5	312.5	339.3	370.3	411.0	462.3	528.2	601.4
132.5°	263.5	271.5	283.2	300.3	321.6	347.8	378.1	414.9	461.6	519.7	585.1
135°	275.1	284.1	296.2	313.3	335.3	360.5	388.2	420.8	460.6	508.7	563.1
137.5°	286.0	294.7	307.8	324.7	345.0	369.3	395.7	424.6	458.9	499.0	543.2
140°	293.8	301.9	315.0	331.3	351.6	375.2	399.6	427.2	458.2	493.2	531.4
142.5°	300.9	309.7	321.5	337.7	356.8	379.8	403.5	429.2	456.9	488.0	520.3
145°	312.5	319.8	332.1	345.8	364.6	385.7	407.7	430.5	454.9	480.9	507.0
147.5°	324.2	331.4	341.9	355.3	371.3	390.6	410.3	430.5	451.8	474.1	496.1
150°	332.1	338.5	349.1	360.5	375.2	393.9	411.0	430.5	449.2	469.5	488.3
152.5°	339.8	346.3	355.6	365.7	379.8	395.8	412.3	428.5	446.0	464.4	481.1
155°	352.4	357.3	365.4	374.4	385.7	399.6	412.6	426.4	440.3	456.6	470.3
157.5°	363.1	367.0	374.2	381.8	390.6	401.7	413.4	423.7	435.2	447.8	459.0
160°	370.3	373.6	380.0	385.7	393.9	403.7	413.4	422.4	431.3	441.9	452.5
162.5°	376.2	378.8	383.9	389.0	395.8	404.3	412.8	419.8	427.4	436.0	444.7
165°	384.1	385.7	389.8	393.1	398.8	405.3	411.0	415.9	421.6	428.0	434.6
167.5°	390.6	391.4	394.5	396.8	400.4	405.1	409.7	412.0	415.7	420.4	425.7
170°	393.9	394.7	397.1	398.8	400.4	404.5	407.7	409.4	411.8	415.9	420.0
172.5°	397.1	397.3	399.1	400.1	401.0	404.5	407.1	407.4	408.5	411.3	414.7
175°	400.4	399.6	401.2	401.2	402.0	403.7	405.3	404.5	404.5	406.1	407.7
177.5°	402.0	401.4	402.0	402.0	402.0	402.7	404.0	402.7	402.0	402.7	403.3
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0	402.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1367.1	1367.1	1368.9	1375.6	1376.5	1382.2	1380.5
5°	1502.5	1513.0	1516.9	1533.6	1543.5	1548.0	1539.1
7.5°	1668.1	1697.8	1711.9	1729.3	1744.7	1749.4	1737.3
10°	1788.8	1819.8	1845.9	1862.1	1877.0	1887.0	1899.7
12.5°	1905.5	1943.7	1968.5	1991.2	2006.6	2019.3	2021.4
15°	2032.4	2090.1	2133.9	2166.1	2182.1	2190.5	2187.2
17.5°	2160.3	2213.8	2245.0	2277.9	2300.1	2301.3	2301.9
20°	2232.7	2284.8	2320.9	2345.3	2370.2	2369.2	2374.7
22.5°	2281.0	2322.1	2349.8	2367.5	2376.0	2371.8	2372.9
25°	2303.7	2315.9	2310.9	2282.6	2275.4	2249.3	2253.7
27.5°	2187.0	2129.2	2069.6	1992.8	1932.2	1883.7	1886.2
30°	2028.5	1926.4	1809.9	1712.2	1624.6	1600.2	1548.0
32.5°	1807.0	1653.8	1517.4	1426.4	1351.1	1330.7	1285.2
35°	1431.5	1282.8	1142.4	1058.1	1024.7	978.2	977.6
37.5°	1112.6	981.7	907.5	844.2	811.1	782.9	780.1
40°	936.0	833.9	777.9	732.4	699.7	678.6	673.6
42.5°	812.6	730.0	677.6	649.4	624.2	613.3	605.2
45°	663.6	608.1	571.4	545.9	534.3	525.9	521.5
47.5°	555.1	517.9	492.9	476.0	466.5	457.7	460.1
50°	496.0	465.5	447.2	431.1	423.9	417.8	418.3
52.5°	448.5	421.1	406.3	394.7	385.7	381.4	379.3
55°	380.6	363.4	348.5	340.1	335.1	329.1	327.3
57.5°	324.7	311.4	299.1	289.8	288.5	282.7	283.4
60°	287.4	276.3	266.4	261.3	257.5	252.4	254.1
62.5°	256.8	247.4	238.4	234.2	230.4	226.7	227.5
65°	210.3	201.4	195.8	193.6	192.0	190.3	188.7
67.5°	167.5	162.2	158.7	153.9	150.5	149.9	148.2
70°	141.0	133.7	127.6	121.5	119.8	119.3	119.8
72.5°	113.0	108.4	106.7	103.8	103.5	102.0	103.0
75°	84.9	83.2	82.1	79.9	79.9	79.9	79.9
77.5°	62.6	61.6	60.9	60.5	59.9	59.1	59.0
80°	48.8	48.3	47.1	47.1	46.6	47.1	46.6
82.5°	36.9	36.8	35.6	35.6	35.1	34.7	35.1
85°	18.8	18.3	19.4	18.3	18.8	17.8	18.8
87.5°	9.5	9.7	9.6	9.5	9.1	10.2	9.1
90°	21.2	22.0	23.6	22.7	23.6	24.4	23.6
92.5°	54.4	48.0	43.8	42.3	39.9	40.7	39.2
95°	198.6	155.5	126.1	110.7	103.4	97.7	94.4
97.5°	585.0	480.0	382.6	322.6	286.0	264.0	257.0
100°	893.6	798.3	682.8	600.6	541.2	509.5	510.3
102.5°	1033.6	978.0	904.8	840.8	793.8	767.3	748.5
105°	1139.4	1154.8	1133.7	1096.2	1065.3	1039.3	1035.2
107.5°	1126.0	1197.3	1226.3	1226.9	1216.5	1207.7	1200.2
110°	1082.4	1184.9	1241.9	1264.7	1271.2	1269.6	1268.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1025.1	1140.0	1213.2	1254.9	1275.0	1281.2	1281.6
115°	933.4	1053.0	1141.7	1202.8	1238.6	1254.9	1259.0
117.5°	856.0	963.4	1053.4	1117.0	1158.1	1181.5	1187.0
120°	813.0	910.7	992.9	1057.1	1102.7	1122.3	1127.2
122.5°	778.5	869.0	945.3	1002.5	1043.5	1064.9	1071.1
125°	735.7	813.8	878.9	931.0	966.8	987.2	992.9
127.5°	698.1	768.6	827.8	874.2	904.8	923.2	928.4
130°	674.7	740.5	795.9	839.0	868.4	885.4	891.9
132.5°	652.5	713.9	766.6	807.1	836.4	851.6	856.1
135°	620.9	673.8	720.2	760.1	784.5	799.2	804.9
137.5°	590.5	636.1	676.3	709.8	734.6	746.9	750.6
140°	572.9	612.0	647.0	677.9	700.7	713.7	712.9
142.5°	556.0	589.9	620.3	646.7	666.8	678.6	677.8
145°	533.9	559.9	583.5	603.8	620.9	627.5	629.1
147.5°	517.4	538.4	555.2	570.6	582.2	588.4	589.1
150°	507.0	524.1	539.6	551.8	560.7	565.6	565.6
152.5°	497.3	512.4	525.2	534.8	543.2	546.1	546.1
155°	483.4	495.6	505.4	512.7	519.2	520.8	521.6
157.5°	469.9	479.3	487.0	493.3	498.2	499.5	499.4
160°	461.5	469.5	475.2	480.9	485.8	485.8	485.0
162.5°	452.3	459.8	464.9	468.6	472.8	472.8	472.0
165°	439.4	445.2	449.2	452.5	455.8	454.9	454.9
167.5°	429.5	432.8	435.7	437.2	439.4	438.6	438.6
170°	422.4	425.6	427.2	428.0	429.7	428.8	428.8
172.5°	416.5	419.1	420.1	420.3	421.9	420.4	419.8
175°	408.5	410.2	410.2	410.2	411.0	410.2	409.4
177.5°	404.0	404.6	404.6	404.0	404.6	403.3	403.3
180°	402.0	402.0	402.0	402.0	402.0	402.0	402.0

(END OF REPORT)