

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: P332343

Luminaire Tested: **S123RDIP-S1000D805U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332343
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D805U835-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6718.7 lumens
Efficiency: N/A
Efficacy: 123.5 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

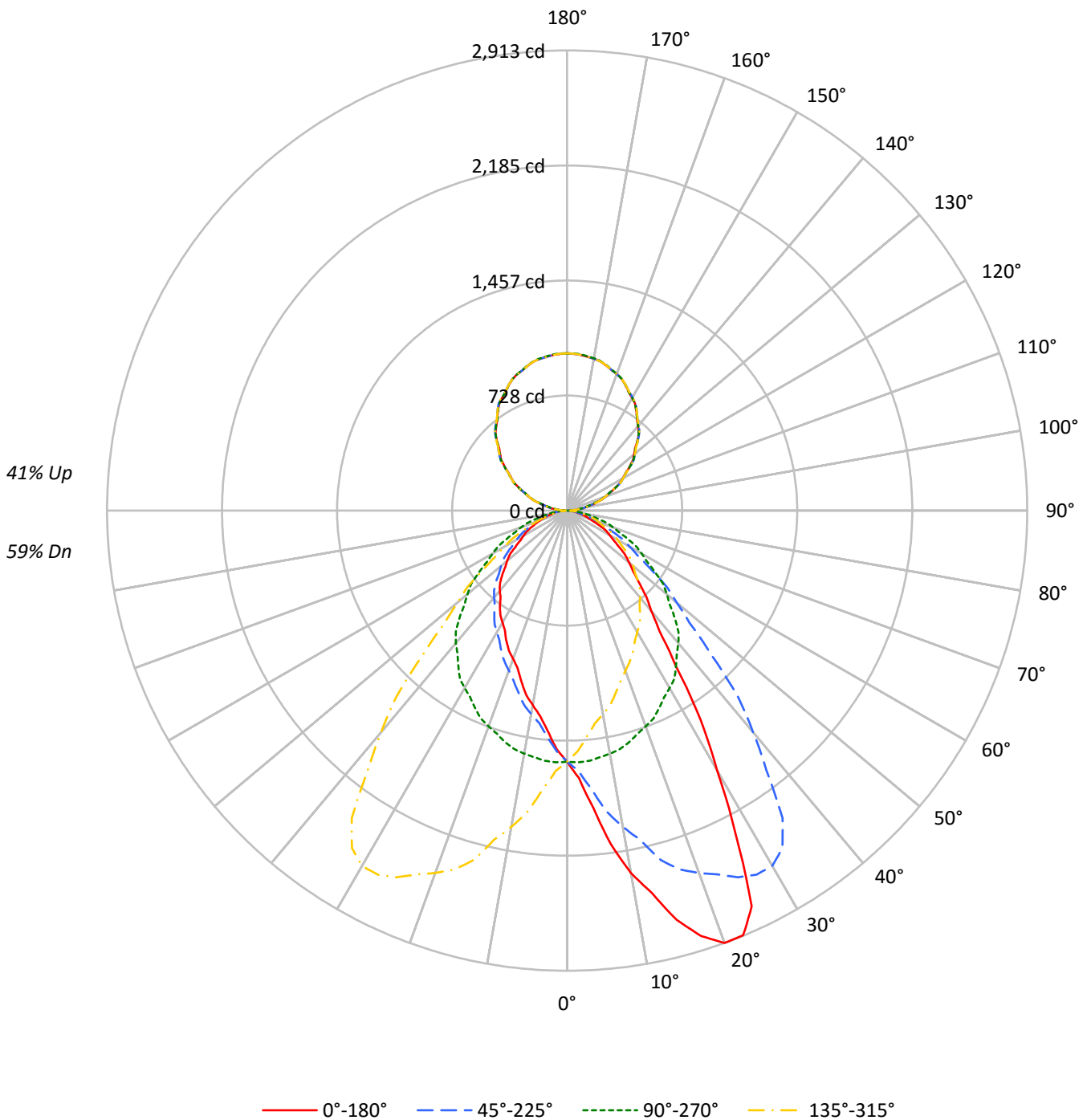
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	80	74	70	70	66	62	60	58	55	52	50	48	44
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	47	44	42	38
4	78	67	59	54	72	63	56	51	56	50	46	49	44	41	42	39	36	33
5	72	60	52	46	67	57	50	44	50	44	40	44	40	36	38	35	32	29
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	28	26	23
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	26	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17111	17111	17111	17111
5°	20398	17184	15132	17184
10°	25468	17086	13671	17086
15°	29895	16912	12467	16912
20°	33364	16651	11443	16651
25°	32831	16376	10815	16376
30°	23599	16122	10167	16122
35°	15757	15792	9747	15792
40°	11609	15396	9313	15396
45°	9738	14700	8888	14700
50°	8592	13788	8296	13788
55°	7535	12746	7484	12746
60°	6710	11750	6857	11750
65°	5894	10677	6378	10677
70°	4626	9725	5825	9725
75°	4076	8492	5319	8492
80°	3546	7215	5232	7215
85°	2853	5805	5545	5805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	2.3
10°-20°	488.4	7.3
20°-30°	767.3	11.4
30°-40°	800.5	11.9
40°-50°	685.1	10.2
50°-60°	522.2	7.8
60°-70°	334.7	5.0
70°-80°	161.0	2.4
80°-90°	45.6	0.7
90°-100°	64.8	1.0
100°-110°	194.1	2.9
110°-120°	330.1	4.9
120°-130°	434.2	6.5
130°-140°	488.0	7.3
140°-150°	479.7	7.1
150°-160°	403.8	6.0
160°-170°	268.8	4.0
170°-180°	94.1	1.4
0°-30°	1412.0	21.0
0°-40°	2212.6	32.9
0°-60°	3419.8	50.9
0°-90°	3961.1	59.0
90°-120°	589.0	8.8
90°-150°	1990.8	29.6
90°-180°	2758.0	41.0
0°-180°	6718.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1888	1590	1400	1590	1888	195
15°	2683	1518	1119	1518	2683	761
25°	2764	1379	911	1379	2764	1188
35°	1199	1202	742	1202	1199	786
45°	640	966	584	966	640	503
55°	402	679	399	679	402	363
65°	231	419	250	419	231	228
75°	98	204	128	204	98	105
85°	23	47	45	47	23	27
90°	24	1	24	1	24	12
95°	61	46	61	46	61	63
105°	186	176	186	176	186	197
115°	333	332	333	332	333	330
125°	481	486	481	486	481	430
135°	630	631	630	631	630	484
145°	765	765	765	765	765	478
155°	875	876	875	876	875	403
165°	952	955	952	955	952	268
175°	989	993	989	993	989	94
180°	995	995	995	995	995	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1693.2	1695.3	1688.3	1687.2	1679.0	1676.8	1676.8	1665.4	1658.3	1649.1	1643.6
5°	1887.8	1898.7	1893.2	1881.0	1860.6	1855.8	1842.9	1822.5	1799.3	1770.7	1757.1
7.5°	2130.9	2145.7	2140.0	2121.1	2099.7	2082.4	2046.0	2012.1	1964.6	1922.9	1887.3
10°	2330.1	2314.5	2302.2	2283.9	2264.1	2232.1	2194.0	2141.6	2081.1	2033.4	1980.4
12.5°	2479.3	2476.7	2461.2	2442.3	2414.4	2384.0	2337.2	2273.4	2203.0	2134.2	2073.4
15°	2682.7	2686.7	2676.5	2656.8	2617.3	2563.6	2492.8	2466.3	2365.5	2290.7	2215.8
17.5°	2823.4	2822.6	2821.2	2793.9	2753.6	2715.3	2649.7	2579.9	2488.7	2383.2	2282.4
20°	2912.7	2905.9	2907.2	2876.6	2846.7	2802.4	2738.5	2637.1	2562.2	2440.4	2336.3
22.5°	2910.5	2909.1	2914.3	2903.8	2882.1	2848.2	2797.8	2712.2	2616.6	2493.7	2376.6
25°	2764.3	2758.9	2790.9	2799.7	2834.4	2840.5	2825.6	2778.6	2688.1	2561.5	2416.6
27.5°	2313.5	2310.5	2369.9	2444.2	2538.4	2611.6	2682.4	2716.6	2688.1	2597.5	2452.2
30°	1898.7	1962.7	1992.6	2100.1	2219.9	2362.8	2488.0	2607.1	2636.4	2596.9	2477.8
32.5°	1576.4	1632.2	1657.2	1749.5	1861.1	2028.5	2216.4	2385.0	2504.1	2534.3	2462.6
35°	1199.1	1199.8	1256.9	1297.8	1401.2	1573.4	1755.8	1981.7	2206.3	2376.4	2394.1
37.5°	956.8	960.2	994.8	1035.5	1113.1	1204.1	1364.7	1552.6	1812.0	2073.2	2226.3
40°	826.2	832.3	858.2	898.3	954.1	1022.8	1148.1	1325.0	1541.4	1832.0	2069.5
42.5°	742.3	752.3	765.6	796.5	831.1	895.4	996.7	1133.4	1330.2	1605.0	1879.0
45°	639.7	645.1	655.4	669.6	700.9	745.9	813.9	905.8	1069.1	1290.3	1564.5
47.5°	564.3	561.4	572.2	583.8	604.6	635.2	680.8	755.8	872.3	1049.8	1282.4
50°	513.1	512.4	519.9	528.8	548.5	571.0	608.4	664.9	757.4	904.4	1117.4
52.5°	465.2	467.8	473.1	484.1	498.4	516.5	550.1	590.8	670.3	797.2	974.8
55°	401.5	403.6	411.0	417.2	427.4	445.7	466.8	500.9	555.3	643.8	790.1
57.5°	347.6	346.7	353.9	355.4	366.9	381.9	398.2	424.7	464.1	529.9	628.4
60°	311.7	309.6	315.8	320.5	326.7	338.9	352.5	378.4	409.7	458.0	542.4
62.5°	279.0	278.1	282.6	287.3	292.4	303.5	315.0	334.8	359.6	400.3	467.3
65°	231.4	233.4	235.5	237.5	240.2	247.0	257.9	271.5	288.5	317.1	365.4
67.5°	181.8	183.9	184.6	188.8	194.6	198.9	205.5	217.6	229.5	253.6	281.1
70°	147.0	146.3	147.0	149.0	156.5	164.0	172.9	181.7	189.2	206.2	229.3
72.5°	126.3	125.1	126.9	127.3	130.9	133.0	138.6	146.9	156.5	168.1	184.7
75°	98.0	98.0	98.0	98.0	100.7	102.1	104.1	106.2	109.6	115.0	127.3
77.5°	72.4	72.5	73.5	74.2	74.7	75.5	76.8	78.8	80.0	82.9	88.2
80°	57.2	57.8	57.2	57.8	57.8	59.2	59.9	61.9	62.6	66.0	68.1
82.5°	43.0	42.6	43.0	43.7	43.7	45.1	45.2	46.7	46.8	48.6	50.6
85°	23.1	21.8	23.1	22.5	23.8	22.5	23.1	24.5	24.5	25.2	27.9
87.5°	10.1	11.2	10.0	10.5	10.4	10.8	10.7	10.6	11.5	10.8	10.9
90°	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2	19.5	18.8	16.5
92.5°	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1	30.6	30.0	28.7
95°	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2	58.6	57.9	56.5
97.5°	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1	91.3	90.5	89.5
100°	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0	115.5	114.9	114.1
102.5°	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5	143.0	142.5	141.3
105°	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5	184.5	184.5	183.0
107.5°	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9	228.4	227.8	227.2
110°	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6	257.9	257.2	256.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3	287.5	286.6	286.6
115°	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4	333.2	333.1	333.4
117.5°	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0	379.0	379.0	379.5
120°	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3	409.5	409.7	410.6
122.5°	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1	440.5	441.0	441.4
125°	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7	486.4	487.1	487.4
127.5°	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8	531.8	532.7	533.1
130°	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8	561.4	562.1	562.7
132.5°	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9	590.7	591.5	591.9
135°	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5	634.2	634.9	635.0
137.5°	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1	676.8	677.5	677.1
140°	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1	704.3	704.4	704.3
142.5°	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4	730.5	730.7	730.4
145°	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0	769.2	769.3	768.8
147.5°	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5	805.5	805.5	805.0
150°	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0	828.0	828.0	827.6
152.5°	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5	848.3	848.0	847.8
155°	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6	877.9	877.2	877.1
157.5°	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5	903.8	903.0	902.9
160°	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4	919.5	918.7	918.7
162.5°	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4	934.5	933.7	933.5
165°	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4	953.3	952.3	952.3
167.5°	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8	968.7	967.6	967.5
170°	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2	977.0	975.7	975.7
172.5°	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8	983.7	982.6	982.6
175°	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9	990.9	989.8	989.8
177.5°	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1	994.2	993.4	993.4
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1641.4	1639.8	1632.2	1623.5	1612.0	1604.4	1598.4	1595.2	1585.4	1573.4	1565.2
5°	1742.8	1722.4	1700.7	1674.1	1649.6	1624.4	1608.8	1590.4	1567.9	1542.8	1525.1
7.5°	1851.5	1811.4	1768.3	1723.8	1679.8	1640.4	1605.5	1575.7	1539.9	1503.8	1478.5
10°	1934.8	1876.2	1815.7	1753.7	1697.2	1644.2	1603.3	1563.2	1520.3	1478.8	1447.5
12.5°	2010.4	1933.4	1863.6	1787.5	1715.2	1651.8	1593.0	1545.8	1494.2	1449.9	1414.3
15°	2106.2	2027.3	1942.9	1827.2	1731.3	1651.0	1579.5	1517.6	1455.0	1400.5	1365.8
17.5°	2195.8	2077.0	1963.6	1867.1	1742.4	1642.1	1554.9	1480.8	1412.1	1354.4	1311.7
20°	2232.8	2117.8	1994.6	1871.5	1749.0	1636.7	1535.3	1453.6	1382.2	1316.8	1277.4
22.5°	2255.1	2124.9	1995.2	1862.8	1732.6	1616.0	1515.7	1425.9	1348.4	1286.3	1237.6
25°	2281.1	2126.0	1983.1	1852.4	1719.7	1593.1	1474.0	1378.8	1295.1	1229.0	1177.3
27.5°	2298.3	2115.8	1946.9	1801.6	1667.0	1541.0	1431.8	1330.8	1245.9	1176.1	1120.6
30°	2301.6	2107.6	1919.1	1761.9	1625.1	1509.4	1393.7	1297.1	1207.3	1133.1	1081.4
32.5°	2305.9	2087.5	1881.5	1714.5	1574.5	1459.9	1355.1	1262.8	1170.8	1097.7	1044.9
35°	2288.0	2076.3	1824.5	1632.6	1492.4	1381.5	1286.9	1201.8	1111.3	1040.5	986.8
37.5°	2210.6	2032.1	1765.4	1540.3	1393.7	1291.0	1213.9	1139.8	1056.7	980.4	929.7
40°	2132.8	1988.5	1719.7	1484.2	1331.1	1225.6	1156.2	1095.7	1015.4	943.9	889.5
42.5°	2016.8	1929.2	1676.2	1425.4	1260.3	1158.7	1100.1	1043.4	972.9	900.3	849.2
45°	1804.1	1815.7	1587.0	1331.8	1162.3	1060.3	1005.1	965.7	903.1	843.2	790.8
47.5°	1537.3	1645.5	1482.3	1232.0	1059.0	963.2	915.0	880.6	838.4	779.6	731.8
50°	1363.1	1517.6	1398.5	1165.1	994.3	899.0	851.3	823.4	786.7	740.4	694.8
52.5°	1202.5	1368.4	1297.2	1090.5	924.0	836.9	790.4	767.4	738.2	694.7	653.4
55°	980.6	1148.7	1132.4	977.9	818.7	740.4	705.0	679.2	659.4	626.8	594.1
57.5°	793.2	952.6	961.0	852.7	725.9	648.5	618.1	598.6	585.7	561.0	530.8
60°	675.1	821.4	850.0	768.3	659.4	591.4	561.4	545.8	535.6	515.8	492.7
62.5°	577.1	701.6	734.0	675.2	595.7	532.0	508.6	493.5	486.6	469.6	449.2
65°	441.7	545.1	576.4	543.7	502.2	451.2	432.1	419.2	413.1	403.6	388.6
67.5°	332.1	407.5	441.8	418.8	403.8	371.6	359.5	352.5	347.1	340.5	328.0
70°	266.8	322.6	358.0	351.8	339.6	322.6	313.7	309.0	303.5	298.1	287.2
72.5°	214.5	252.9	286.1	289.2	279.2	275.8	268.0	266.0	262.7	256.2	250.2
75°	142.2	168.8	191.9	200.8	204.8	208.2	204.8	204.2	203.5	198.0	194.6
77.5°	93.2	107.5	122.1	137.2	143.6	148.2	149.3	151.8	150.0	147.1	145.5
80°	71.5	74.9	85.1	98.0	108.2	112.3	115.0	116.4	115.7	115.0	112.3
82.5°	51.9	54.7	59.5	68.6	77.2	84.0	85.6	85.3	86.8	87.2	85.1
85°	27.9	28.6	29.9	31.3	36.1	43.6	45.6	47.0	48.3	48.3	44.2
87.5°	11.6	10.6	11.2	10.8	12.1	12.3	15.2	17.6	18.5	16.6	17.0
90°	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8	2.5	4.3	6.0
92.5°	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9	20.1	21.3	22.5
95°	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1	47.3	48.6	49.8
97.5°	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9	82.8	83.7	84.6
100°	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3	107.4	108.4	109.5
102.5°	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5	135.1	135.7	136.4
105°	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9	176.3	176.6	177.0
107.5°	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7
110°	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1	254.4	254.8	255.1



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4	285.6	285.8	286.0
115°	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3	332.8	333.3	333.8
117.5°	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5	379.9	380.2	380.5
120°	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9	409.9	411.0	412.0
122.5°	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6	440.3	441.1	441.8
125°	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3	486.8	487.3	487.9
127.5°	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5	530.6	531.7	532.8
130°	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2	559.6	561.0	562.4
132.5°	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0	588.4	589.8	591.2
135°	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9	632.0	633.0	634.1
137.5°	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6	672.5	673.3	674.2
140°	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7	700.6	701.5	702.4
142.5°	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4	726.3	727.1	728.0
145°	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4	765.8	766.1	766.5
147.5°	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5	801.1	801.7	802.3
150°	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8	825.2	825.5	825.9
152.5°	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9	845.3	845.8	846.3
155°	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4
157.5°	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3	903.1	902.9	902.7
160°	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2	919.9	919.5	919.2
162.5°	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2	934.8	934.3	933.8
165°	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6	954.1	953.6	953.1
167.5°	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1	969.4	968.7	968.0
170°	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9	978.2	977.5	976.8
172.5°	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7	985.1	984.4	983.7
175°	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9	992.2	991.6	990.9
177.5°	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9	995.4	994.8	994.2
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1562.5	1555.4	1550.5	1539.6	1532.6	1524.9	1517.3	1522.2	1521.7	1521.1	1521.1
5°	1510.1	1494.4	1480.2	1461.8	1450.2	1435.9	1425.0	1423.7	1426.4	1416.9	1411.4
7.5°	1458.1	1436.7	1416.5	1396.2	1374.7	1357.5	1346.8	1341.7	1334.8	1328.9	1322.8
10°	1421.6	1396.5	1376.7	1351.5	1328.4	1308.0	1295.1	1286.2	1281.4	1276.7	1267.8
12.5°	1384.1	1359.4	1334.3	1305.8	1283.8	1260.1	1250.4	1240.5	1231.4	1226.0	1213.9
15°	1329.1	1297.1	1270.6	1240.6	1216.1	1193.0	1179.4	1159.6	1156.9	1150.1	1137.9
17.5°	1274.0	1239.2	1202.6	1180.5	1152.8	1128.7	1108.0	1101.4	1081.9	1074.6	1063.9
20°	1230.4	1198.4	1170.5	1141.3	1101.1	1078.6	1062.3	1053.5	1037.8	1028.3	1021.5
22.5°	1192.8	1160.3	1128.1	1093.9	1060.8	1035.6	1023.7	1009.9	1001.3	988.0	980.6
25°	1139.2	1103.8	1065.0	1028.3	1004.5	985.4	966.4	954.1	941.9	935.7	922.1
27.5°	1076.9	1039.9	1003.6	975.7	946.5	927.7	910.4	899.5	884.8	874.5	867.0
30°	1042.6	999.0	967.7	942.5	905.1	887.4	874.5	860.9	850.0	839.1	831.6
32.5°	1002.8	963.1	933.4	902.3	873.5	854.2	837.5	825.5	816.2	805.9	798.4
35°	940.5	907.2	876.5	845.2	824.1	804.4	784.7	774.4	765.6	756.1	749.3
37.5°	884.1	853.0	823.9	794.2	768.0	752.0	736.1	728.3	716.3	709.9	703.0
40°	849.3	818.7	787.4	758.8	731.6	719.3	705.0	693.5	682.6	677.8	670.3
42.5°	811.2	780.6	754.2	723.4	701.1	684.5	671.3	658.6	650.5	643.5	639.3
45°	754.7	727.5	701.6	671.0	649.9	635.6	620.6	609.1	601.6	596.8	589.3
47.5°	699.9	672.6	646.4	619.7	599.3	582.9	568.0	559.9	550.0	544.2	539.1
50°	660.1	635.6	607.7	583.2	562.8	546.5	534.2	524.0	515.2	507.7	504.3
52.5°	623.6	597.5	573.4	550.6	529.0	510.5	499.4	488.6	482.0	473.4	469.4
55°	563.5	538.3	517.9	495.4	474.3	458.7	445.1	435.5	428.7	419.2	413.8
57.5°	507.0	484.4	460.0	440.6	418.8	405.6	394.3	381.4	373.1	365.6	360.3
60°	468.9	443.0	421.9	403.6	384.5	367.5	357.3	347.1	338.2	330.7	326.0
62.5°	429.1	406.6	386.5	366.5	349.1	334.3	322.4	313.9	306.1	301.3	296.6
65°	368.2	350.5	330.1	313.7	297.4	286.5	277.0	269.5	264.0	260.6	256.6
67.5°	312.1	294.9	277.1	261.1	250.2	241.9	235.6	229.2	226.5	222.1	219.4
70°	275.6	257.9	242.3	230.0	219.1	213.0	208.9	204.2	201.4	196.0	193.3
72.5°	235.9	223.1	211.8	201.7	193.0	187.4	182.2	176.4	172.0	166.0	163.3
75°	185.8	174.2	165.4	158.6	153.1	145.6	138.1	132.0	130.0	127.9	127.3
77.5°	137.6	130.3	123.9	118.1	111.3	105.9	104.3	102.9	102.5	101.4	101.4
80°	108.2	101.4	96.6	89.8	85.7	85.7	85.7	84.4	85.1	85.1	85.1
82.5°	80.4	74.2	71.6	69.1	68.3	68.9	68.9	69.1	68.7	69.8	69.3
85°	41.5	42.2	43.6	42.9	43.6	43.6	44.9	44.2	44.9	43.6	44.9
87.5°	16.8	18.8	19.8	20.8	21.8	21.7	22.4	22.5	23.2	23.4	23.5
90°	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2	20.8	21.5	22.1
92.5°	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1	31.7	32.2	32.4
95°	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2	59.9	60.6	61.0
97.5°	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1	92.9	93.7	94.1
100°	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0	116.5	117.0	117.5
102.5°	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5	144.0	144.5	144.8
105°	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5	184.5	184.5	184.7
107.5°	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9	229.5	230.1	230.2
110°	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6	259.3	260.0	260.2



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3	289.1	290.0	290.3
115°	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4	333.6	333.8	333.8
117.5°	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0	378.9	378.9	378.6
120°	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3	409.2	409.0	408.7
122.5°	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1	439.6	439.2	438.7
125°	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7	485.0	484.3	483.6
127.5°	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8	529.8	528.9	528.0
130°	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8	560.1	559.4	558.4
132.5°	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9	589.0	588.2	587.3
135°	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5	632.8	632.1	631.6
137.5°	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1	675.4	674.6	673.9
140°	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1	703.9	703.7	703.1
142.5°	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4	730.2	730.0	729.5
145°	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0	768.8	768.6	768.2
147.5°	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5	805.5	805.5	804.9
150°	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0	828.0	828.0	827.5
152.5°	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5	848.8	849.1	848.8
155°	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6	879.3	880.0	879.7
157.5°	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5	905.2	905.9	905.8
160°	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4	921.3	922.1	922.2
162.5°	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4	936.3	937.2	937.0
165°	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4	955.4	956.5	956.4
167.5°	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8	970.8	971.9	971.9
170°	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2	979.4	980.6	980.6
172.5°	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8	985.9	986.9	986.9
175°	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9	992.9	994.0	993.9
177.5°	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1	995.9	996.7	996.7
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1514.6	1514.0	1514.6	1512.4	1514.6	1514.0	1514.6	1521.1	1521.1	1521.7	1522.2
5°	1409.4	1408.7	1406.7	1400.5	1406.7	1408.7	1409.4	1411.4	1416.9	1426.4	1423.7
7.5°	1317.5	1316.6	1310.6	1310.7	1310.6	1316.6	1317.5	1322.8	1328.9	1334.8	1341.7
10°	1263.1	1263.7	1255.6	1250.8	1255.6	1263.7	1263.1	1267.8	1276.7	1281.4	1286.2
12.5°	1210.3	1207.1	1200.6	1195.3	1200.6	1207.1	1210.3	1213.9	1226.0	1231.4	1240.5
15°	1140.6	1133.8	1117.4	1118.8	1117.4	1133.8	1140.6	1137.9	1150.1	1156.9	1159.6
17.5°	1058.5	1053.5	1053.2	1043.7	1053.2	1053.5	1058.5	1063.9	1074.6	1081.9	1101.4
20°	1010.6	1007.2	1008.5	999.0	1008.5	1007.2	1010.6	1021.5	1028.3	1037.8	1053.5
22.5°	973.0	969.6	963.9	960.9	963.9	969.6	973.0	980.6	988.0	1001.3	1009.9
25°	918.0	912.6	907.2	910.6	907.2	912.6	918.0	922.1	935.7	941.9	954.1
27.5°	863.1	859.0	853.5	852.8	853.5	859.0	863.1	867.0	874.5	884.8	899.5
30°	828.2	824.1	821.4	818.0	821.4	824.1	828.2	831.6	839.1	850.0	860.9
32.5°	792.8	792.0	787.1	786.4	787.1	792.0	792.8	798.4	805.9	816.2	825.5
35°	746.5	742.5	741.1	741.8	741.1	742.5	746.5	749.3	756.1	765.6	774.4
37.5°	702.6	697.1	694.7	692.2	694.7	697.1	702.6	703.0	709.9	716.3	728.3
40°	671.0	665.6	664.2	662.8	664.2	665.6	671.0	670.3	677.8	682.6	693.5
42.5°	635.6	633.4	632.6	630.2	632.6	633.4	635.6	639.3	643.5	650.5	658.6
45°	587.3	586.6	582.5	583.9	582.5	586.6	587.3	589.3	596.8	601.6	609.1
47.5°	536.4	533.4	530.5	532.4	530.5	533.4	536.4	539.1	544.2	550.0	559.9
50°	501.6	500.2	494.1	495.4	494.1	500.2	501.6	504.3	507.7	515.2	524.0
52.5°	466.7	461.5	459.2	458.4	459.2	461.5	466.7	469.4	473.4	482.0	488.6
55°	409.0	402.9	400.2	398.8	400.2	402.9	409.0	413.8	419.2	428.7	435.5
57.5°	352.4	350.7	348.6	350.1	348.6	350.7	352.4	360.3	365.6	373.1	381.4
60°	319.2	319.2	319.2	318.5	319.2	319.2	319.2	326.0	330.7	338.2	347.1
62.5°	293.6	291.9	291.4	292.4	291.4	291.9	293.6	296.6	301.3	306.1	313.9
65°	254.5	253.8	251.1	250.4	251.1	253.8	254.5	256.6	260.6	264.0	269.5
67.5°	217.6	215.2	214.4	213.4	214.4	215.2	217.6	219.4	222.1	226.5	229.2
70°	189.9	188.5	184.4	185.1	184.4	188.5	189.9	193.3	196.0	201.4	204.2
72.5°	159.9	158.6	157.7	156.8	157.7	158.6	159.9	163.3	166.0	172.0	176.4
75°	126.6	125.9	125.2	127.9	125.2	125.9	126.6	127.3	127.9	130.0	132.0
77.5°	101.4	101.4	101.8	100.7	101.8	101.4	101.4	101.4	101.4	102.5	102.9
80°	85.1	85.1	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	84.4
82.5°	68.2	68.7	69.1	68.1	69.1	68.7	68.2	69.3	69.8	68.7	69.1
85°	44.9	44.2	45.6	44.9	45.6	44.2	44.9	44.9	43.6	44.9	44.2
87.5°	24.6	23.6	23.7	24.3	23.7	23.6	24.6	23.5	23.4	23.2	22.5
90°	22.4	22.8	23.1	23.5	23.1	22.8	22.4	22.1	21.5	20.8	20.2
92.5°	32.2	32.0	31.8	31.6	31.8	32.0	32.2	32.4	32.2	31.7	31.1
95°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	60.6	59.9	59.2
97.5°	94.0	94.0	93.9	93.8	93.9	94.0	94.0	94.1	93.7	92.9	92.1
100°	117.8	118.1	118.5	118.8	118.5	118.1	117.8	117.5	117.0	116.5	116.0
102.5°	144.7	144.6	144.6	144.5	144.6	144.6	144.7	144.8	144.5	144.0	143.5
105°	185.0	185.4	185.7	186.1	185.7	185.4	185.0	184.7	184.5	184.5	184.5
107.5°	230.0	229.8	229.6	229.4	229.6	229.8	230.0	230.2	230.1	229.5	228.9
110°	259.8	259.5	259.1	258.8	259.1	259.5	259.8	260.2	260.0	259.3	258.6



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	290.3	290.2	290.1	290.1	290.1	290.2	290.3	290.3	290.0	289.1	288.3
115°	333.6	333.4	333.2	333.1	333.2	333.4	333.6	333.8	333.8	333.6	333.4
117.5°	378.2	377.7	377.2	376.7	377.2	377.7	378.2	378.6	378.9	378.9	379.0
120°	408.4	408.0	407.7	407.3	407.7	408.0	408.4	408.7	409.0	409.2	409.3
122.5°	438.2	437.7	437.2	436.7	437.2	437.7	438.2	438.7	439.2	439.6	440.1
125°	482.9	482.2	481.5	480.8	481.5	482.2	482.9	483.6	484.3	485.0	485.7
127.5°	527.2	526.4	525.6	524.8	525.6	526.4	527.2	528.0	528.9	529.8	530.8
130°	557.2	556.0	554.8	553.5	554.8	556.0	557.2	558.4	559.4	560.1	560.8
132.5°	586.4	585.4	584.5	583.6	584.5	585.4	586.4	587.3	588.2	589.0	589.9
135°	631.2	630.9	630.5	630.2	630.5	630.9	631.2	631.6	632.1	632.8	633.5
137.5°	673.3	672.6	672.0	671.3	672.0	672.6	673.3	673.9	674.6	675.4	676.1
140°	701.8	700.6	699.4	698.2	699.4	700.6	701.8	703.1	703.7	703.9	704.1
142.5°	728.5	727.6	726.6	725.7	726.6	727.6	728.5	729.5	730.0	730.2	730.4
145°	767.5	766.8	766.1	765.4	766.1	766.8	767.5	768.2	768.6	768.8	769.0
147.5°	803.9	802.8	801.8	800.8	801.8	802.8	803.9	804.9	805.5	805.5	805.5
150°	826.4	825.4	824.3	823.3	824.3	825.4	826.4	827.5	828.0	828.0	828.0
152.5°	847.9	847.0	846.1	845.2	846.1	847.0	847.9	848.8	849.1	848.8	848.5
155°	878.5	877.3	876.1	874.9	876.1	877.3	878.5	879.7	880.0	879.3	878.6
157.5°	904.9	903.9	902.9	901.9	902.9	903.9	904.9	905.8	905.9	905.2	904.5
160°	921.5	920.8	920.1	919.4	920.1	920.8	921.5	922.2	922.1	921.3	920.4
162.5°	935.9	934.8	933.7	932.6	933.7	934.8	935.9	937.0	937.2	936.3	935.4
165°	955.2	953.9	952.7	951.5	952.7	953.9	955.2	956.4	956.5	955.4	954.4
167.5°	970.8	969.8	968.7	967.6	968.7	969.8	970.8	971.9	971.9	970.8	969.8
170°	979.4	978.2	977.0	975.7	977.0	978.2	979.4	980.6	980.6	979.4	978.2
172.5°	985.6	984.4	983.2	982.0	983.2	984.4	985.6	986.9	986.9	985.9	984.8
175°	992.7	991.5	990.2	989.0	990.2	991.5	992.7	993.9	994.0	992.9	991.9
177.5°	995.7	994.7	993.8	992.8	993.8	994.7	995.7	996.7	996.7	995.9	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1517.3	1524.9	1532.6	1539.6	1550.5	1555.4	1562.5	1565.2	1573.4	1585.4	1595.2
5°	1425.0	1435.9	1450.2	1461.8	1480.2	1494.4	1510.1	1525.1	1542.8	1567.9	1590.4
7.5°	1346.8	1357.5	1374.7	1396.2	1416.5	1436.7	1458.1	1478.5	1503.8	1539.9	1575.7
10°	1295.1	1308.0	1328.4	1351.5	1376.7	1396.5	1421.6	1447.5	1478.8	1520.3	1563.2
12.5°	1250.4	1260.1	1283.8	1305.8	1334.3	1359.4	1384.1	1414.3	1449.9	1494.2	1545.8
15°	1179.4	1193.0	1216.1	1240.6	1270.6	1297.1	1329.1	1365.8	1400.5	1455.0	1517.6
17.5°	1108.0	1128.7	1152.8	1180.5	1202.6	1239.2	1274.0	1311.7	1354.4	1412.1	1480.8
20°	1062.3	1078.6	1101.1	1141.3	1170.5	1198.4	1230.4	1277.4	1316.8	1382.2	1453.6
22.5°	1023.7	1035.6	1060.8	1093.9	1128.1	1160.3	1192.8	1237.6	1286.3	1348.4	1425.9
25°	966.4	985.4	1004.5	1028.3	1065.0	1103.8	1139.2	1177.3	1229.0	1295.1	1378.8
27.5°	910.4	927.7	946.5	975.7	1003.6	1039.9	1076.9	1120.6	1176.1	1245.9	1330.8
30°	874.5	887.4	905.1	942.5	967.7	999.0	1042.6	1081.4	1133.1	1207.3	1297.1
32.5°	837.5	854.2	873.5	902.3	933.4	963.1	1002.8	1044.9	1097.7	1170.8	1262.8
35°	784.7	804.4	824.1	845.2	876.5	907.2	940.5	986.8	1040.5	1111.3	1201.8
37.5°	736.1	752.0	768.0	794.2	823.9	853.0	884.1	929.7	980.4	1056.7	1139.8
40°	705.0	719.3	731.6	758.8	787.4	818.7	849.3	889.5	943.9	1015.4	1095.7
42.5°	671.3	684.5	701.1	723.4	754.2	780.6	811.2	849.2	900.3	972.9	1043.4
45°	620.6	635.6	649.9	671.0	701.6	727.5	754.7	790.8	843.2	903.1	965.7
47.5°	568.0	582.9	599.3	619.7	646.4	672.6	699.9	731.8	779.6	838.4	880.6
50°	534.2	546.5	562.8	583.2	607.7	635.6	660.1	694.8	740.4	786.7	823.4
52.5°	499.4	510.5	529.0	550.6	573.4	597.5	623.6	653.4	694.7	738.2	767.4
55°	445.1	458.7	474.3	495.4	517.9	538.3	563.5	594.1	626.8	659.4	679.2
57.5°	394.3	405.6	418.8	440.6	460.0	484.4	507.0	530.8	561.0	585.7	598.6
60°	357.3	367.5	384.5	403.6	421.9	443.0	468.9	492.7	515.8	535.6	545.8
62.5°	322.4	334.3	349.1	366.5	386.5	406.6	429.1	449.2	469.6	486.6	493.5
65°	277.0	286.5	297.4	313.7	330.1	350.5	368.2	388.6	403.6	413.1	419.2
67.5°	235.6	241.9	250.2	261.1	277.1	294.9	312.1	328.0	340.5	347.1	352.5
70°	208.9	213.0	219.1	230.0	242.3	257.9	275.6	287.2	298.1	303.5	309.0
72.5°	182.2	187.4	193.0	201.7	211.8	223.1	235.9	250.2	256.2	262.7	266.0
75°	138.1	145.6	153.1	158.6	165.4	174.2	185.8	194.6	198.0	203.5	204.2
77.5°	104.3	105.9	111.3	118.1	123.9	130.3	137.6	145.5	147.1	150.0	151.8
80°	85.7	85.7	85.7	89.8	96.6	101.4	108.2	112.3	115.0	115.7	116.4
82.5°	68.9	68.9	68.3	69.1	71.6	74.2	80.4	85.1	87.2	86.8	85.3
85°	44.9	43.6	43.6	42.9	43.6	42.2	41.5	44.2	48.3	48.3	47.0
87.5°	22.4	21.7	21.8	20.8	19.8	18.8	16.8	17.0	16.6	18.5	17.6
90°	19.5	18.8	16.5	14.2	12.0	9.7	7.7	6.0	4.3	2.5	0.8
92.5°	30.6	30.0	28.7	27.5	26.2	24.9	23.6	22.5	21.3	20.1	18.9
95°	58.6	57.9	56.5	55.1	53.7	52.3	51.0	49.8	48.6	47.3	46.1
97.5°	91.3	90.5	89.5	88.5	87.5	86.5	85.6	84.6	83.7	82.8	81.9
100°	115.5	114.9	114.1	113.2	112.3	111.5	110.5	109.5	108.4	107.4	106.3
102.5°	143.0	142.5	141.3	140.2	139.0	137.9	137.0	136.4	135.7	135.1	134.5
105°	184.5	184.5	183.0	181.4	179.8	178.3	177.3	177.0	176.6	176.3	175.9
107.5°	228.4	227.8	227.2	226.6	226.0	225.3	224.9	224.7	224.5	224.3	224.1
110°	257.9	257.2	256.9	256.5	256.2	255.8	255.5	255.1	254.8	254.4	254.1



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	287.5	286.6	286.6	286.5	286.4	286.3	286.2	286.0	285.8	285.6	285.4
115°	333.2	333.1	333.4	333.8	334.1	334.5	334.4	333.8	333.3	332.8	332.3
117.5°	379.0	379.0	379.5	379.9	380.4	380.8	380.9	380.5	380.2	379.9	379.5
120°	409.5	409.7	410.6	411.4	412.3	413.2	413.1	412.0	411.0	409.9	408.9
122.5°	440.5	441.0	441.4	441.9	442.3	442.8	442.6	441.8	441.1	440.3	439.6
125°	486.4	487.1	487.4	487.8	488.1	488.5	488.4	487.9	487.3	486.8	486.3
127.5°	531.8	532.7	533.1	533.5	533.9	534.3	533.9	532.8	531.7	530.6	529.5
130°	561.4	562.1	562.7	563.2	563.7	564.2	563.8	562.4	561.0	559.6	558.2
132.5°	590.7	591.5	591.9	592.3	592.7	593.1	592.6	591.2	589.8	588.4	587.0
135°	634.2	634.9	635.0	635.2	635.4	635.6	635.1	634.1	633.0	632.0	630.9
137.5°	676.8	677.5	677.1	676.6	676.2	675.7	675.1	674.2	673.3	672.5	671.6
140°	704.3	704.4	704.3	704.1	703.9	703.7	703.2	702.4	701.5	700.6	699.7
142.5°	730.5	730.7	730.4	730.1	729.8	729.5	728.9	728.0	727.1	726.3	725.4
145°	769.2	769.3	768.8	768.3	767.8	767.2	766.8	766.5	766.1	765.8	765.4
147.5°	805.5	805.5	805.0	804.5	804.0	803.5	803.0	802.3	801.7	801.1	800.5
150°	828.0	828.0	827.6	827.3	826.9	826.6	826.2	825.9	825.5	825.2	824.8
152.5°	848.3	848.0	847.8	847.6	847.4	847.2	846.8	846.3	845.8	845.3	844.9
155°	877.9	877.2	877.1	876.9	876.7	876.5	876.4	876.4	876.4	876.4	876.4
157.5°	903.8	903.0	902.9	902.8	902.6	902.5	902.5	902.7	902.9	903.1	903.3
160°	919.5	918.7	918.7	918.7	918.7	918.7	918.8	919.2	919.5	919.9	920.2
162.5°	934.5	933.7	933.5	933.4	933.3	933.1	933.3	933.8	934.3	934.8	935.2
165°	953.3	952.3	952.3	952.3	952.3	952.3	952.5	953.1	953.6	954.1	954.6
167.5°	968.7	967.6	967.5	967.3	967.2	967.1	967.3	968.0	968.7	969.4	970.1
170°	977.0	975.7	975.7	975.7	975.7	975.7	976.1	976.8	977.5	978.2	978.9
172.5°	983.7	982.6	982.6	982.6	982.6	982.6	983.0	983.7	984.4	985.1	985.7
175°	990.9	989.8	989.8	989.8	989.8	989.8	990.2	990.9	991.6	992.2	992.9
177.5°	994.2	993.4	993.4	993.4	993.4	993.4	993.7	994.2	994.8	995.4	995.9
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



TEST NUMBER: P332343

CATALOG NUMBER: S123RDIP-S1000D805U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1598.4	1604.4	1612.0	1623.5	1632.2	1639.8	1641.4	1643.6	1649.1	1658.3	1665.4
5°	1608.8	1624.4	1649.6	1674.1	1700.7	1722.4	1742.8	1757.1	1770.7	1799.3	1822.5
7.5°	1605.5	1640.4	1679.8	1723.8	1768.3	1811.4	1851.5	1887.3	1922.9	1964.6	2012.1
10°	1603.3	1644.2	1697.2	1753.7	1815.7	1876.2	1934.8	1980.4	2033.4	2081.1	2141.6
12.5°	1593.0	1651.8	1715.2	1787.5	1863.6	1933.4	2010.4	2073.4	2134.2	2203.0	2273.4
15°	1579.5	1651.0	1731.3	1827.2	1942.9	2027.3	2106.2	2215.8	2290.7	2365.5	2466.3
17.5°	1554.9	1642.1	1742.4	1867.1	1963.6	2077.0	2195.8	2282.4	2383.2	2488.7	2579.9
20°	1535.3	1636.7	1749.0	1871.5	1994.6	2117.8	2232.8	2336.3	2440.4	2562.2	2637.1
22.5°	1515.7	1616.0	1732.6	1862.8	1995.2	2124.9	2255.1	2376.6	2493.7	2616.6	2712.2
25°	1474.0	1593.1	1719.7	1852.4	1983.1	2126.0	2281.1	2416.6	2561.5	2688.1	2778.6
27.5°	1431.8	1541.0	1667.0	1801.6	1946.9	2115.8	2298.3	2452.2	2597.5	2688.1	2716.6
30°	1393.7	1509.4	1625.1	1761.9	1919.1	2107.6	2301.6	2477.8	2596.9	2636.4	2607.1
32.5°	1355.1	1459.9	1574.5	1714.5	1881.5	2087.5	2305.9	2462.6	2534.3	2504.1	2385.0
35°	1286.9	1381.5	1492.4	1632.6	1824.5	2076.3	2288.0	2394.1	2376.4	2206.3	1981.7
37.5°	1213.9	1291.0	1393.7	1540.3	1765.4	2032.1	2210.6	2226.3	2073.2	1812.0	1552.6
40°	1156.2	1225.6	1331.1	1484.2	1719.7	1988.5	2132.8	2069.5	1832.0	1541.4	1325.0
42.5°	1100.1	1158.7	1260.3	1425.4	1676.2	1929.2	2016.8	1879.0	1605.0	1330.2	1133.4
45°	1005.1	1060.3	1162.3	1331.8	1587.0	1815.7	1804.1	1564.5	1290.3	1069.1	905.8
47.5°	915.0	963.2	1059.0	1232.0	1482.3	1645.5	1537.3	1282.4	1049.8	872.3	755.8
50°	851.3	899.0	994.3	1165.1	1398.5	1517.6	1363.1	1117.4	904.4	757.4	664.9
52.5°	790.4	836.9	924.0	1090.5	1297.2	1368.4	1202.5	974.8	797.2	670.3	590.8
55°	705.0	740.4	818.7	977.9	1132.4	1148.7	980.6	790.1	643.8	555.3	500.9
57.5°	618.1	648.5	725.9	852.7	961.0	952.6	793.2	628.4	529.9	464.1	424.7
60°	561.4	591.4	659.4	768.3	850.0	821.4	675.1	542.4	458.0	409.7	378.4
62.5°	508.6	532.0	595.7	675.2	734.0	701.6	577.1	467.3	400.3	359.6	334.8
65°	432.1	451.2	502.2	543.7	576.4	545.1	441.7	365.4	317.1	288.5	271.5
67.5°	359.5	371.6	403.8	418.8	441.8	407.5	332.1	281.1	253.6	229.5	217.6
70°	313.7	322.6	339.6	351.8	358.0	322.6	266.8	229.3	206.2	189.2	181.7
72.5°	268.0	275.8	279.2	289.2	286.1	252.9	214.5	184.7	168.1	156.5	146.9
75°	204.8	208.2	204.8	200.8	191.9	168.8	142.2	127.3	115.0	109.6	106.2
77.5°	149.3	148.2	143.6	137.2	122.1	107.5	93.2	88.2	82.9	80.0	78.8
80°	115.0	112.3	108.2	98.0	85.1	74.9	71.5	68.1	66.0	62.6	61.9
82.5°	85.6	84.0	77.2	68.6	59.5	54.7	51.9	50.6	48.6	46.8	46.7
85°	45.6	43.6	36.1	31.3	29.9	28.6	27.9	27.9	25.2	24.5	24.5
87.5°	15.2	12.3	12.1	10.8	11.2	10.6	11.6	10.9	10.8	11.5	10.6
90°	2.5	4.3	6.0	7.7	9.7	12.0	14.2	16.5	18.8	19.5	20.2
92.5°	20.1	21.3	22.5	23.6	24.9	26.2	27.5	28.7	30.0	30.6	31.1
95°	47.3	48.6	49.8	51.0	52.3	53.7	55.1	56.5	57.9	58.6	59.2
97.5°	82.8	83.7	84.6	85.6	86.5	87.5	88.5	89.5	90.5	91.3	92.1
100°	107.4	108.4	109.5	110.5	111.5	112.3	113.2	114.1	114.9	115.5	116.0
102.5°	135.1	135.7	136.4	137.0	137.9	139.0	140.2	141.3	142.5	143.0	143.5
105°	176.3	176.6	177.0	177.3	178.3	179.8	181.4	183.0	184.5	184.5	184.5
107.5°	224.3	224.5	224.7	224.9	225.3	226.0	226.6	227.2	227.8	228.4	228.9
110°	254.4	254.8	255.1	255.5	255.8	256.2	256.5	256.9	257.2	257.9	258.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	285.6	285.8	286.0	286.2	286.3	286.4	286.5	286.6	286.6	287.5	288.3
115°	332.8	333.3	333.8	334.4	334.5	334.1	333.8	333.4	333.1	333.2	333.4
117.5°	379.9	380.2	380.5	380.9	380.8	380.4	379.9	379.5	379.0	379.0	379.0
120°	409.9	411.0	412.0	413.1	413.2	412.3	411.4	410.6	409.7	409.5	409.3
122.5°	440.3	441.1	441.8	442.6	442.8	442.3	441.9	441.4	441.0	440.5	440.1
125°	486.8	487.3	487.9	488.4	488.5	488.1	487.8	487.4	487.1	486.4	485.7
127.5°	530.6	531.7	532.8	533.9	534.3	533.9	533.5	533.1	532.7	531.8	530.8
130°	559.6	561.0	562.4	563.8	564.2	563.7	563.2	562.7	562.1	561.4	560.8
132.5°	588.4	589.8	591.2	592.6	593.1	592.7	592.3	591.9	591.5	590.7	589.9
135°	632.0	633.0	634.1	635.1	635.6	635.4	635.2	635.0	634.9	634.2	633.5
137.5°	672.5	673.3	674.2	675.1	675.7	676.2	676.6	677.1	677.5	676.8	676.1
140°	700.6	701.5	702.4	703.2	703.7	703.9	704.1	704.3	704.4	704.3	704.1
142.5°	726.3	727.1	728.0	728.9	729.5	729.8	730.1	730.4	730.7	730.5	730.4
145°	765.8	766.1	766.5	766.8	767.2	767.8	768.3	768.8	769.3	769.2	769.0
147.5°	801.1	801.7	802.3	803.0	803.5	804.0	804.5	805.0	805.5	805.5	805.5
150°	825.2	825.5	825.9	826.2	826.6	826.9	827.3	827.6	828.0	828.0	828.0
152.5°	845.3	845.8	846.3	846.8	847.2	847.4	847.6	847.8	848.0	848.3	848.5
155°	876.4	876.4	876.4	876.4	876.5	876.7	876.9	877.1	877.2	877.9	878.6
157.5°	903.1	902.9	902.7	902.5	902.5	902.6	902.8	902.9	903.0	903.8	904.5
160°	919.9	919.5	919.2	918.8	918.7	918.7	918.7	918.7	918.7	919.5	920.4
162.5°	934.8	934.3	933.8	933.3	933.1	933.3	933.4	933.5	933.7	934.5	935.4
165°	954.1	953.6	953.1	952.5	952.3	952.3	952.3	952.3	952.3	953.3	954.4
167.5°	969.4	968.7	968.0	967.3	967.1	967.2	967.3	967.5	967.6	968.7	969.8
170°	978.2	977.5	976.8	976.1	975.7	975.7	975.7	975.7	975.7	977.0	978.2
172.5°	985.1	984.4	983.7	983.0	982.6	982.6	982.6	982.6	982.6	983.7	984.8
175°	992.2	991.6	990.9	990.2	989.8	989.8	989.8	989.8	989.8	990.9	991.9
177.5°	995.4	994.8	994.2	993.7	993.4	993.4	993.4	993.4	993.4	994.2	995.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1676.8	1676.8	1679.0	1687.2	1688.3	1695.3	1693.2
5°	1842.9	1855.8	1860.6	1881.0	1893.2	1898.7	1887.8
7.5°	2046.0	2082.4	2099.7	2121.1	2140.0	2145.7	2130.9
10°	2194.0	2232.1	2264.1	2283.9	2302.2	2314.5	2330.1
12.5°	2337.2	2384.0	2414.4	2442.3	2461.2	2476.7	2479.3
15°	2492.8	2563.6	2617.3	2656.8	2676.5	2686.7	2682.7
17.5°	2649.7	2715.3	2753.6	2793.9	2821.2	2822.6	2823.4
20°	2738.5	2802.4	2846.7	2876.6	2907.2	2905.9	2912.7
22.5°	2797.8	2848.2	2882.1	2903.8	2914.3	2909.1	2910.5
25°	2825.6	2840.5	2834.4	2799.7	2790.9	2758.9	2764.3
27.5°	2682.4	2611.6	2538.4	2444.2	2369.9	2310.5	2313.5
30°	2488.0	2362.8	2219.9	2100.1	1992.6	1962.7	1898.7
32.5°	2216.4	2028.5	1861.1	1749.5	1657.2	1632.2	1576.4
35°	1755.8	1573.4	1401.2	1297.8	1256.9	1199.8	1199.1
37.5°	1364.7	1204.1	1113.1	1035.5	994.8	960.2	956.8
40°	1148.1	1022.8	954.1	898.3	858.2	832.3	826.2
42.5°	996.7	895.4	831.1	796.5	765.6	752.3	742.3
45°	813.9	745.9	700.9	669.6	655.4	645.1	639.7
47.5°	680.8	635.2	604.6	583.8	572.2	561.4	564.3
50°	608.4	571.0	548.5	528.8	519.9	512.4	513.1
52.5°	550.1	516.5	498.4	484.1	473.1	467.8	465.2
55°	466.8	445.7	427.4	417.2	411.0	403.6	401.5
57.5°	398.2	381.9	366.9	355.4	353.9	346.7	347.6
60°	352.5	338.9	326.7	320.5	315.8	309.6	311.7
62.5°	315.0	303.5	292.4	287.3	282.6	278.1	279.0
65°	257.9	247.0	240.2	237.5	235.5	233.4	231.4
67.5°	205.5	198.9	194.6	188.8	184.6	183.9	181.8
70°	172.9	164.0	156.5	149.0	147.0	146.3	147.0
72.5°	138.6	133.0	130.9	127.3	126.9	125.1	126.3
75°	104.1	102.1	100.7	98.0	98.0	98.0	98.0
77.5°	76.8	75.5	74.7	74.2	73.5	72.5	72.4
80°	59.9	59.2	57.8	57.8	57.2	57.8	57.2
82.5°	45.2	45.1	43.7	43.7	43.0	42.6	43.0
85°	23.1	22.5	23.8	22.5	23.1	21.8	23.1
87.5°	10.7	10.8	10.4	10.5	10.0	11.2	10.1
90°	20.8	21.5	22.1	22.4	22.8	23.1	23.5
92.5°	31.7	32.2	32.4	32.2	32.0	31.8	31.6
95°	59.9	60.6	61.0	61.0	61.0	61.0	61.0
97.5°	92.9	93.7	94.1	94.0	94.0	93.9	93.8
100°	116.5	117.0	117.5	117.8	118.1	118.5	118.8
102.5°	144.0	144.5	144.8	144.7	144.6	144.6	144.5
105°	184.5	184.5	184.7	185.0	185.4	185.7	186.1
107.5°	229.5	230.1	230.2	230.0	229.8	229.6	229.4
110°	259.3	260.0	260.2	259.8	259.5	259.1	258.8



TEST NUMBER: P332343

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	289.1	290.0	290.3	290.3	290.2	290.1	290.1
115°	333.6	333.8	333.8	333.6	333.4	333.2	333.1
117.5°	378.9	378.9	378.6	378.2	377.7	377.2	376.7
120°	409.2	409.0	408.7	408.4	408.0	407.7	407.3
122.5°	439.6	439.2	438.7	438.2	437.7	437.2	436.7
125°	485.0	484.3	483.6	482.9	482.2	481.5	480.8
127.5°	529.8	528.9	528.0	527.2	526.4	525.6	524.8
130°	560.1	559.4	558.4	557.2	556.0	554.8	553.5
132.5°	589.0	588.2	587.3	586.4	585.4	584.5	583.6
135°	632.8	632.1	631.6	631.2	630.9	630.5	630.2
137.5°	675.4	674.6	673.9	673.3	672.6	672.0	671.3
140°	703.9	703.7	703.1	701.8	700.6	699.4	698.2
142.5°	730.2	730.0	729.5	728.5	727.6	726.6	725.7
145°	768.8	768.6	768.2	767.5	766.8	766.1	765.4
147.5°	805.5	805.5	804.9	803.9	802.8	801.8	800.8
150°	828.0	828.0	827.5	826.4	825.4	824.3	823.3
152.5°	848.8	849.1	848.8	847.9	847.0	846.1	845.2
155°	879.3	880.0	879.7	878.5	877.3	876.1	874.9
157.5°	905.2	905.9	905.8	904.9	903.9	902.9	901.9
160°	921.3	922.1	922.2	921.5	920.8	920.1	919.4
162.5°	936.3	937.2	937.0	935.9	934.8	933.7	932.6
165°	955.4	956.5	956.4	955.2	953.9	952.7	951.5
167.5°	970.8	971.9	971.9	970.8	969.8	968.7	967.6
170°	979.4	980.6	980.6	979.4	978.2	977.0	975.7
172.5°	985.9	986.9	986.9	985.6	984.4	983.2	982.0
175°	992.9	994.0	993.9	992.7	991.5	990.2	989.0
177.5°	995.9	996.7	996.7	995.7	994.7	993.8	992.8
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3

(END OF REPORT)