

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: P332336

Luminaire Tested: **S123RDIP-S1000D585U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332336
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D585U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6301.4 lumens
Efficiency: N/A
Efficacy: 129.1 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: Semi-Direct

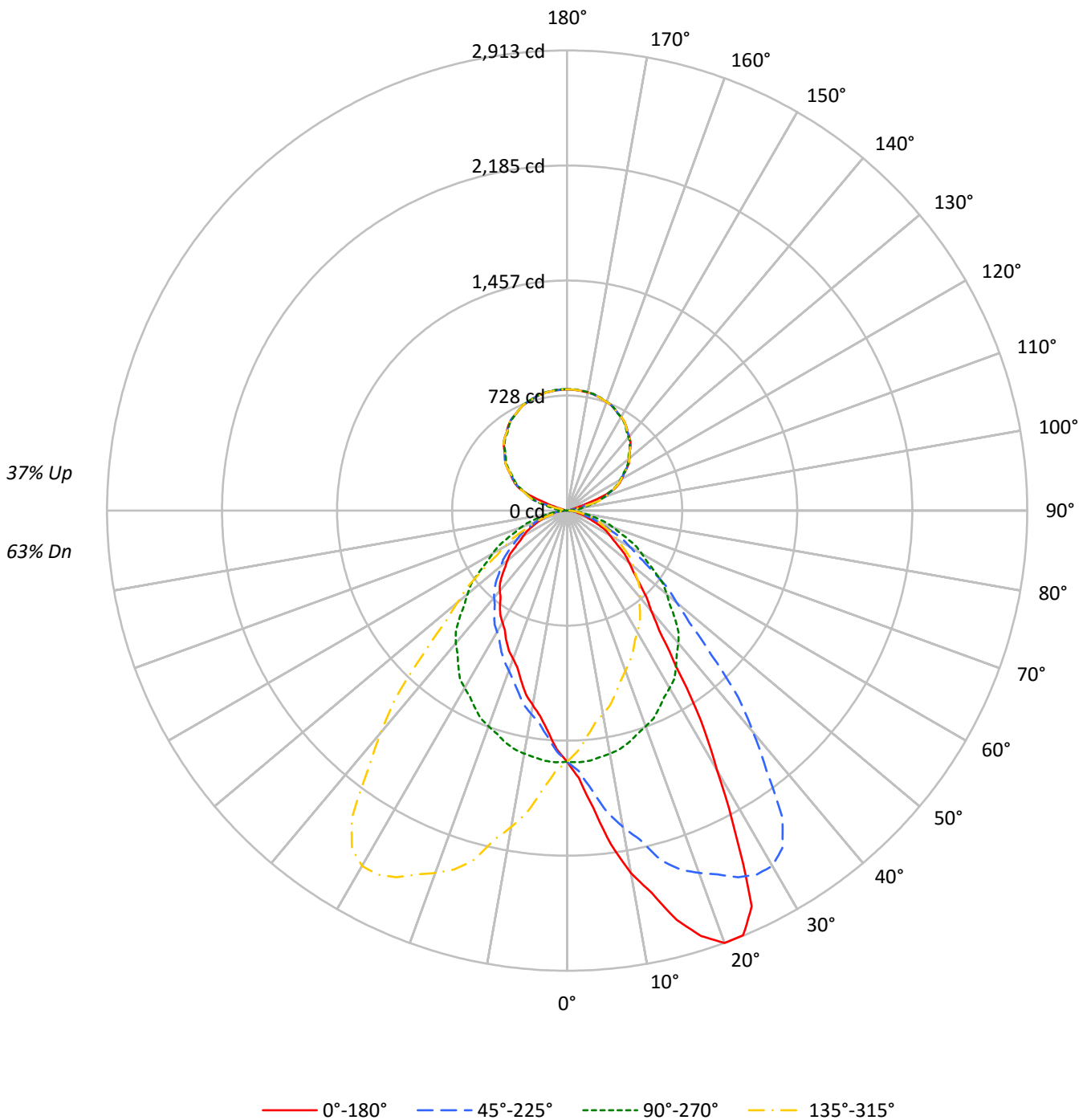
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	94	90	95	91	88	85	81	78	76	70	69	67	61	60	59	54
2	93	86	80	75	87	81	76	71	71	67	64	63	60	57	55	53	51	47
3	85	76	69	63	80	72	66	60	64	59	55	56	52	49	49	46	44	40
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	44	41	39	35
5	72	61	53	47	68	58	51	45	51	46	41	46	41	38	40	37	34	31
6	67	55	47	41	63	52	45	40	47	41	36	42	37	33	37	33	30	28
7	62	50	42	37	58	47	40	35	43	37	32	38	33	30	34	30	27	25
8	58	46	38	33	54	43	36	31	39	33	29	35	30	27	31	27	25	22
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20
10	50	38	31	26	47	37	30	26	33	28	24	30	25	22	27	23	20	18

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	2.5
10°-20°	488.4	7.8
20°-30°	767.3	12.2
30°-40°	800.5	12.7
40°-50°	685.1	10.9
50°-60°	522.2	8.3
60°-70°	334.7	5.3
70°-80°	161.0	2.6
80°-90°	44.8	0.7
90°-100°	27.9	0.4
100°-110°	133.0	2.1
110°-120°	319.5	5.1
120°-130°	406.9	6.5
130°-140°	434.7	6.9
140°-150°	406.5	6.5
150°-160°	327.9	5.2
160°-170°	211.6	3.4
170°-180°	72.9	1.2
0°-30°	1412.0	22.4
0°-40°	2212.6	35.1
0°-60°	3419.8	54.3
0°-90°	3960.3	62.8
90°-120°	480.5	7.6
90°-150°	1728.6	27.4
90°-180°	2341.0	37.2
0°-180°	6301.4	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°	17	1	17	1	17	8
95°	22	35	22	35	22	18
105°	25	170	25	170	25	57
115°	335	319	335	319	335	310
125°	459	449	459	449	459	410
135°	565	560	565	560	565	436
145°	652	646	652	646	652	407
155°	710	711	710	711	710	327
165°	748	750	748	750	748	211
175°	765	768	765	768	765	73
180°	768	768	768	768	768	



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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°	8.9	9.9	8.8	9.3	9.2	9.7	9.6	9.5	10.5	9.8	10.0
90°	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7	14.2	13.7	12.0
92.5°	18.9	18.8	18.6	18.5	18.3	17.8	17.0	16.2	15.4	14.6	13.4
95°	21.7	21.7	21.7	21.7	21.7	21.2	20.3	19.5	18.6	17.7	16.3
97.5°	23.5	23.4	23.2	23.1	23.0	22.4	21.4	20.4	19.4	18.4	27.5
100°	24.0	23.8	23.7	23.6	23.4	22.9	21.9	20.8	19.8	18.8	38.6
102.5°	24.4	24.2	24.0	23.7	23.5	25.0	28.1	31.2	34.4	37.5	59.1
105°	25.1	24.8	24.6	24.3	24.1	35.2	57.6	80.0	102.5	124.9	136.3
107.5°	78.8	95.7	112.6	129.5	146.5	163.1	179.6	196.0	212.5	228.9	227.1
110°	156.8	175.0	193.1	211.2	229.3	240.5	244.7	248.9	253.0	257.2	255.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	269.1	272.9	276.7	280.6	284.4	286.3	286.2	286.1	286.1	286.0	284.6
115°	335.4	334.9	334.4	333.8	333.3	332.5	331.2	329.9	328.7	327.4	326.2
117.5°	372.6	372.5	372.4	372.3	372.2	371.6	370.6	369.6	368.6	367.5	367.0
120°	398.1	398.1	398.1	398.1	398.1	397.6	396.6	395.6	394.6	393.5	393.2
122.5°	423.2	423.1	423.0	422.9	422.8	422.4	421.7	421.0	420.3	419.6	419.1
125°	458.6	458.3	458.1	457.8	457.6	457.3	457.0	456.8	456.5	456.3	455.8
127.5°	492.6	492.8	493.1	493.3	493.6	493.5	493.1	492.7	492.3	491.9	491.3
130°	514.5	514.7	515.0	515.2	515.5	515.3	514.8	514.3	513.8	513.3	512.8
132.5°	534.5	534.9	535.2	535.6	536.0	535.9	535.4	534.9	534.4	533.9	533.4
135°	565.2	565.6	566.0	566.4	566.7	566.7	566.4	566.0	565.6	565.2	564.7
137.5°	594.1	594.3	594.6	594.8	595.1	594.9	594.3	593.7	593.1	592.5	592.2
140°	611.4	611.7	611.9	612.2	612.4	612.3	611.8	611.3	610.8	610.3	609.9
142.5°	627.4	627.7	628.1	628.5	628.8	628.8	628.4	628.0	627.6	627.2	626.8
145°	651.9	651.9	651.9	651.9	651.9	651.8	651.5	651.3	651.0	650.8	650.5
147.5°	670.2	670.8	671.3	671.9	672.5	672.7	672.4	672.2	671.9	671.7	671.4
150°	683.9	684.2	684.6	685.0	685.4	685.4	685.2	684.9	684.7	684.4	684.2
152.5°	694.8	695.4	696.0	696.6	697.1	697.2	696.7	696.3	695.8	695.4	695.2
155°	710.1	710.9	711.6	712.4	713.1	713.2	712.6	711.9	711.3	710.7	710.5
157.5°	723.0	724.0	725.0	725.9	726.9	727.1	726.3	725.5	724.8	724.0	724.1
160°	731.2	732.1	733.0	733.9	734.7	734.8	734.0	733.3	732.5	731.8	731.9
162.5°	739.0	739.7	740.5	741.3	742.1	742.1	741.2	740.3	739.5	738.6	738.7
165°	748.3	749.2	750.1	751.0	751.9	751.8	750.8	749.8	748.8	747.7	747.9
167.5°	755.0	756.1	757.1	758.1	759.1	759.1	758.1	757.1	756.1	755.0	755.0
170°	759.1	760.2	761.2	762.2	763.2	763.2	762.2	761.2	760.2	759.1	759.1
172.5°	761.4	762.5	763.7	764.8	765.9	765.9	764.9	763.9	762.9	761.9	761.8
175°	764.8	765.9	766.9	767.9	768.9	769.0	768.1	767.2	766.3	765.4	765.3
177.5°	765.9	766.9	767.9	768.9	769.9	770.0	769.2	768.4	767.6	766.8	766.7
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



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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°	10.8	9.9	10.7	10.4	11.8	12.1	15.1	17.5	18.3	16.4	16.7
90°	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	12.1	10.9	9.6	9.2	9.5	9.9	10.3	10.6	10.3	9.9	9.5
95°	14.9	13.5	12.1	14.0	19.2	24.4	29.6	34.8	29.6	24.4	19.2
97.5°	36.6	45.7	54.9	60.6	62.9	65.3	67.6	69.9	67.6	65.3	62.9
100°	58.4	78.1	97.9	106.5	104.0	101.5	98.9	96.4	98.9	101.5	104.0
102.5°	80.7	102.3	123.9	133.8	132.0	130.2	128.3	126.5	128.3	130.2	132.0
105°	147.7	159.1	170.5	175.5	174.1	172.8	171.4	170.0	171.4	172.8	174.1
107.5°	225.3	223.5	221.7	220.3	219.2	218.1	216.9	215.8	216.9	218.1	219.2
110°	254.4	253.0	251.7	250.4	249.4	248.4	247.4	246.4	247.4	248.4	249.4



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.2	281.8	280.4	279.2	278.3	277.4	276.5	275.6	276.5	277.4	278.3
115°	325.1	324.0	322.8	321.9	321.1	320.3	319.6	318.8	319.6	320.3	321.1
117.5°	366.4	365.8	365.2	364.4	363.5	362.6	361.6	360.7	361.6	362.6	363.5
120°	392.8	392.4	392.0	391.3	390.1	389.0	387.8	386.7	387.8	389.0	390.1
122.5°	418.6	418.1	417.6	416.9	416.0	415.0	414.1	413.2	414.1	415.0	416.0
125°	455.3	454.8	454.3	453.5	452.5	451.5	450.5	449.4	450.5	451.5	452.5
127.5°	490.7	490.0	489.4	488.6	487.6	486.6	485.6	484.6	485.6	486.6	487.6
130°	512.3	511.8	511.3	510.5	509.5	508.5	507.5	506.5	507.5	508.5	509.5
132.5°	533.0	532.6	532.2	531.5	530.5	529.5	528.5	527.5	528.5	529.5	530.5
135°	564.2	563.7	563.2	562.6	561.8	561.0	560.3	559.5	560.3	561.0	561.8
137.5°	591.9	591.6	591.4	590.7	589.8	588.8	587.9	586.9	587.9	588.8	589.8
140°	609.5	609.1	608.8	608.2	607.4	606.7	605.9	605.1	605.9	606.7	607.4
142.5°	626.4	626.0	625.6	625.1	624.3	623.6	622.8	622.0	622.8	623.6	624.3
145°	650.3	650.0	649.8	649.2	648.3	647.4	646.5	645.6	646.5	647.4	648.3
147.5°	671.1	670.9	670.6	670.2	669.6	669.1	668.5	667.9	668.5	669.1	669.6
150°	683.9	683.7	683.4	683.1	682.7	682.3	682.0	681.6	682.0	682.3	682.7
152.5°	695.1	694.9	694.8	694.6	694.4	694.2	694.1	693.9	694.1	694.2	694.4
155°	710.4	710.3	710.2	710.2	710.5	710.7	711.0	711.2	711.0	710.7	710.5
157.5°	724.3	724.4	724.5	724.6	724.6	724.6	724.7	724.7	724.7	724.6	724.6
160°	732.0	732.1	732.3	732.4	732.5	732.7	732.8	732.9	732.8	732.7	732.5
162.5°	738.9	739.0	739.1	739.3	739.7	740.0	740.3	740.7	740.3	740.0	739.7
165°	748.0	748.1	748.2	748.5	748.9	749.3	749.6	750.0	749.6	749.3	748.9
167.5°	755.0	755.0	755.0	755.3	755.8	756.3	756.8	757.3	756.8	756.3	755.8
170°	759.1	759.1	759.1	759.4	759.9	760.4	760.9	761.4	760.9	760.4	759.9
172.5°	761.7	761.6	761.5	761.7	762.3	762.9	763.6	764.2	763.6	762.9	762.3
175°	765.2	765.0	764.9	765.2	765.8	766.4	767.1	767.7	767.1	766.4	765.8
177.5°	766.6	766.5	766.4	766.6	767.1	767.6	768.1	768.6	768.1	767.6	767.1
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

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°	16.4	18.3	19.2	20.0	20.9	20.7	21.3	21.5	22.1	22.2	22.3
90°	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7	15.2	15.7	16.1
92.5°	9.2	9.6	10.9	12.1	13.4	14.6	15.4	16.2	17.0	17.8	18.3
95°	14.0	12.1	13.5	14.9	16.3	17.7	18.6	19.5	20.3	21.2	21.7
97.5°	60.6	54.9	45.7	36.6	27.5	18.4	19.4	20.4	21.4	22.4	23.0
100°	106.5	97.9	78.1	58.4	38.6	18.8	19.8	20.8	21.9	22.9	23.4
102.5°	133.8	123.9	102.3	80.7	59.1	37.5	34.4	31.2	28.1	25.0	23.5
105°	175.5	170.5	159.1	147.7	136.3	124.9	102.5	80.0	57.6	35.2	24.1
107.5°	220.3	221.7	223.5	225.3	227.1	228.9	212.5	196.0	179.6	163.1	146.5
110°	250.4	251.7	253.0	254.4	255.8	257.2	253.0	248.9	244.7	240.5	229.3



TEST NUMBER: P332336

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	279.2	280.4	281.8	283.2	284.6	286.0	286.1	286.1	286.2	286.3	284.4
115°	321.9	322.8	324.0	325.1	326.2	327.4	328.7	329.9	331.2	332.5	333.3
117.5°	364.4	365.2	365.8	366.4	367.0	367.5	368.6	369.6	370.6	371.6	372.2
120°	391.3	392.0	392.4	392.8	393.2	393.5	394.6	395.6	396.6	397.6	398.1
122.5°	416.9	417.6	418.1	418.6	419.1	419.6	420.3	421.0	421.7	422.4	422.8
125°	453.5	454.3	454.8	455.3	455.8	456.3	456.5	456.8	457.0	457.3	457.6
127.5°	488.6	489.4	490.0	490.7	491.3	491.9	492.3	492.7	493.1	493.5	493.6
130°	510.5	511.3	511.8	512.3	512.8	513.3	513.8	514.3	514.8	515.3	515.5
132.5°	531.5	532.2	532.6	533.0	533.4	533.9	534.4	534.9	535.4	535.9	536.0
135°	562.6	563.2	563.7	564.2	564.7	565.2	565.6	566.0	566.4	566.7	566.7
137.5°	590.7	591.4	591.6	591.9	592.2	592.5	593.1	593.7	594.3	594.9	595.1
140°	608.2	608.8	609.1	609.5	609.9	610.3	610.8	611.3	611.8	612.3	612.4
142.5°	625.1	625.6	626.0	626.4	626.8	627.2	627.6	628.0	628.4	628.8	628.8
145°	649.2	649.8	650.0	650.3	650.5	650.8	651.0	651.3	651.5	651.8	651.9
147.5°	670.2	670.6	670.9	671.1	671.4	671.7	671.9	672.2	672.4	672.7	672.5
150°	683.1	683.4	683.7	683.9	684.2	684.4	684.7	684.9	685.2	685.4	685.4
152.5°	694.6	694.8	694.9	695.1	695.2	695.4	695.8	696.3	696.7	697.2	697.1
155°	710.2	710.2	710.3	710.4	710.5	710.7	711.3	711.9	712.6	713.2	713.1
157.5°	724.6	724.5	724.4	724.3	724.1	724.0	724.8	725.5	726.3	727.1	726.9
160°	732.4	732.3	732.1	732.0	731.9	731.8	732.5	733.3	734.0	734.8	734.7
162.5°	739.3	739.1	739.0	738.9	738.7	738.6	739.5	740.3	741.2	742.1	742.1
165°	748.5	748.2	748.1	748.0	747.9	747.7	748.8	749.8	750.8	751.8	751.9
167.5°	755.3	755.0	755.0	755.0	755.0	755.0	756.1	757.1	758.1	759.1	759.1
170°	759.4	759.1	759.1	759.1	759.1	759.1	760.2	761.2	762.2	763.2	763.2
172.5°	761.7	761.5	761.6	761.7	761.8	761.9	762.9	763.9	764.9	765.9	765.9
175°	765.2	764.9	765.0	765.2	765.3	765.4	766.3	767.2	768.1	769.0	768.9
177.5°	766.6	766.4	766.5	766.6	766.7	766.8	767.6	768.4	769.2	770.0	769.9
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

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°	23.4	22.4	22.4	23.0	22.4	22.4	23.4	22.3	22.2	22.1	21.5
90°	16.4	16.6	16.9	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7
92.5°	18.5	18.6	18.8	18.9	18.8	18.6	18.5	18.3	17.8	17.0	16.2
95°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.2	20.3	19.5
97.5°	23.1	23.2	23.4	23.5	23.4	23.2	23.1	23.0	22.4	21.4	20.4
100°	23.6	23.7	23.8	24.0	23.8	23.7	23.6	23.4	22.9	21.9	20.8
102.5°	23.7	24.0	24.2	24.4	24.2	24.0	23.7	23.5	25.0	28.1	31.2
105°	24.3	24.6	24.8	25.1	24.8	24.6	24.3	24.1	35.2	57.6	80.0
107.5°	129.5	112.6	95.7	78.8	95.7	112.6	129.5	146.5	163.1	179.6	196.0
110°	211.2	193.1	175.0	156.8	175.0	193.1	211.2	229.3	240.5	244.7	248.9



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	280.6	276.7	272.9	269.1	272.9	276.7	280.6	284.4	286.3	286.2	286.1
115°	333.8	334.4	334.9	335.4	334.9	334.4	333.8	333.3	332.5	331.2	329.9
117.5°	372.3	372.4	372.5	372.6	372.5	372.4	372.3	372.2	371.6	370.6	369.6
120°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	397.6	396.6	395.6
122.5°	422.9	423.0	423.1	423.2	423.1	423.0	422.9	422.8	422.4	421.7	421.0
125°	457.8	458.1	458.3	458.6	458.3	458.1	457.8	457.6	457.3	457.0	456.8
127.5°	493.3	493.1	492.8	492.6	492.8	493.1	493.3	493.6	493.5	493.1	492.7
130°	515.2	515.0	514.7	514.5	514.7	515.0	515.2	515.5	515.3	514.8	514.3
132.5°	535.6	535.2	534.9	534.5	534.9	535.2	535.6	536.0	535.9	535.4	534.9
135°	566.4	566.0	565.6	565.2	565.6	566.0	566.4	566.7	566.7	566.4	566.0
137.5°	594.8	594.6	594.3	594.1	594.3	594.6	594.8	595.1	594.9	594.3	593.7
140°	612.2	611.9	611.7	611.4	611.7	611.9	612.2	612.4	612.3	611.8	611.3
142.5°	628.5	628.1	627.7	627.4	627.7	628.1	628.5	628.8	628.8	628.4	628.0
145°	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.8	651.5	651.3
147.5°	671.9	671.3	670.8	670.2	670.8	671.3	671.9	672.5	672.7	672.4	672.2
150°	685.0	684.6	684.2	683.9	684.2	684.6	685.0	685.4	685.4	685.2	684.9
152.5°	696.6	696.0	695.4	694.8	695.4	696.0	696.6	697.1	697.2	696.7	696.3
155°	712.4	711.6	710.9	710.1	710.9	711.6	712.4	713.1	713.2	712.6	711.9
157.5°	725.9	725.0	724.0	723.0	724.0	725.0	725.9	726.9	727.1	726.3	725.5
160°	733.9	733.0	732.1	731.2	732.1	733.0	733.9	734.7	734.8	734.0	733.3
162.5°	741.3	740.5	739.7	739.0	739.7	740.5	741.3	742.1	742.1	741.2	740.3
165°	751.0	750.1	749.2	748.3	749.2	750.1	751.0	751.9	751.8	750.8	749.8
167.5°	758.1	757.1	756.1	755.0	756.1	757.1	758.1	759.1	759.1	758.1	757.1
170°	762.2	761.2	760.2	759.1	760.2	761.2	762.2	763.2	763.2	762.2	761.2
172.5°	764.8	763.7	762.5	761.4	762.5	763.7	764.8	765.9	765.9	764.9	763.9
175°	767.9	766.9	765.9	764.8	765.9	766.9	767.9	768.9	769.0	768.1	767.2
177.5°	768.9	767.9	766.9	765.9	766.9	767.9	768.9	769.9	770.0	769.2	768.4
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

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°	21.3	20.7	20.9	20.0	19.2	18.3	16.4	16.7	16.4	18.3	17.5
90°	14.2	13.7	12.0	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6
92.5°	15.4	14.6	13.4	12.1	10.9	9.6	9.2	9.5	9.9	10.3	10.6
95°	18.6	17.7	16.3	14.9	13.5	12.1	14.0	19.2	24.4	29.6	34.8
97.5°	19.4	18.4	27.5	36.6	45.7	54.9	60.6	62.9	65.3	67.6	69.9
100°	19.8	18.8	38.6	58.4	78.1	97.9	106.5	104.0	101.5	98.9	96.4
102.5°	34.4	37.5	59.1	80.7	102.3	123.9	133.8	132.0	130.2	128.3	126.5
105°	102.5	124.9	136.3	147.7	159.1	170.5	175.5	174.1	172.8	171.4	170.0
107.5°	212.5	228.9	227.1	225.3	223.5	221.7	220.3	219.2	218.1	216.9	215.8
110°	253.0	257.2	255.8	254.4	253.0	251.7	250.4	249.4	248.4	247.4	246.4



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	286.1	286.0	284.6	283.2	281.8	280.4	279.2	278.3	277.4	276.5	275.6
115°	328.7	327.4	326.2	325.1	324.0	322.8	321.9	321.1	320.3	319.6	318.8
117.5°	368.6	367.5	367.0	366.4	365.8	365.2	364.4	363.5	362.6	361.6	360.7
120°	394.6	393.5	393.2	392.8	392.4	392.0	391.3	390.1	389.0	387.8	386.7
122.5°	420.3	419.6	419.1	418.6	418.1	417.6	416.9	416.0	415.0	414.1	413.2
125°	456.5	456.3	455.8	455.3	454.8	454.3	453.5	452.5	451.5	450.5	449.4
127.5°	492.3	491.9	491.3	490.7	490.0	489.4	488.6	487.6	486.6	485.6	484.6
130°	513.8	513.3	512.8	512.3	511.8	511.3	510.5	509.5	508.5	507.5	506.5
132.5°	534.4	533.9	533.4	533.0	532.6	532.2	531.5	530.5	529.5	528.5	527.5
135°	565.6	565.2	564.7	564.2	563.7	563.2	562.6	561.8	561.0	560.3	559.5
137.5°	593.1	592.5	592.2	591.9	591.6	591.4	590.7	589.8	588.8	587.9	586.9
140°	610.8	610.3	609.9	609.5	609.1	608.8	608.2	607.4	606.7	605.9	605.1
142.5°	627.6	627.2	626.8	626.4	626.0	625.6	625.1	624.3	623.6	622.8	622.0
145°	651.0	650.8	650.5	650.3	650.0	649.8	649.2	648.3	647.4	646.5	645.6
147.5°	671.9	671.7	671.4	671.1	670.9	670.6	670.2	669.6	669.1	668.5	667.9
150°	684.7	684.4	684.2	683.9	683.7	683.4	683.1	682.7	682.3	682.0	681.6
152.5°	695.8	695.4	695.2	695.1	694.9	694.8	694.6	694.4	694.2	694.1	693.9
155°	711.3	710.7	710.5	710.4	710.3	710.2	710.2	710.5	710.7	711.0	711.2
157.5°	724.8	724.0	724.1	724.3	724.4	724.5	724.6	724.6	724.6	724.7	724.7
160°	732.5	731.8	731.9	732.0	732.1	732.3	732.4	732.5	732.7	732.8	732.9
162.5°	739.5	738.6	738.7	738.9	739.0	739.1	739.3	739.7	740.0	740.3	740.7
165°	748.8	747.7	747.9	748.0	748.1	748.2	748.5	748.9	749.3	749.6	750.0
167.5°	756.1	755.0	755.0	755.0	755.0	755.0	755.3	755.8	756.3	756.8	757.3
170°	760.2	759.1	759.1	759.1	759.1	759.1	759.4	759.9	760.4	760.9	761.4
172.5°	762.9	761.9	761.8	761.7	761.6	761.5	761.7	762.3	762.9	763.6	764.2
175°	766.3	765.4	765.3	765.2	765.0	764.9	765.2	765.8	766.4	767.1	767.7
177.5°	767.6	766.8	766.7	766.6	766.5	766.4	766.6	767.1	767.6	768.1	768.6
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



TEST NUMBER: P332336

CATALOG NUMBER: S123RDIP-S1000D585U835-4F0-1E-UDD-A

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°	15.1	12.1	11.8	10.4	10.7	9.9	10.8	10.0	9.8	10.5	9.5
90°	1.8	3.1	4.4	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7
92.5°	10.3	9.9	9.5	9.2	9.6	10.9	12.1	13.4	14.6	15.4	16.2
95°	29.6	24.4	19.2	14.0	12.1	13.5	14.9	16.3	17.7	18.6	19.5
97.5°	67.6	65.3	62.9	60.6	54.9	45.7	36.6	27.5	18.4	19.4	20.4
100°	98.9	101.5	104.0	106.5	97.9	78.1	58.4	38.6	18.8	19.8	20.8
102.5°	128.3	130.2	132.0	133.8	123.9	102.3	80.7	59.1	37.5	34.4	31.2
105°	171.4	172.8	174.1	175.5	170.5	159.1	147.7	136.3	124.9	102.5	80.0
107.5°	216.9	218.1	219.2	220.3	221.7	223.5	225.3	227.1	228.9	212.5	196.0
110°	247.4	248.4	249.4	250.4	251.7	253.0	254.4	255.8	257.2	253.0	248.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.5	277.4	278.3	279.2	280.4	281.8	283.2	284.6	286.0	286.1	286.1
115°	319.6	320.3	321.1	321.9	322.8	324.0	325.1	326.2	327.4	328.7	329.9
117.5°	361.6	362.6	363.5	364.4	365.2	365.8	366.4	367.0	367.5	368.6	369.6
120°	387.8	389.0	390.1	391.3	392.0	392.4	392.8	393.2	393.5	394.6	395.6
122.5°	414.1	415.0	416.0	416.9	417.6	418.1	418.6	419.1	419.6	420.3	421.0
125°	450.5	451.5	452.5	453.5	454.3	454.8	455.3	455.8	456.3	456.5	456.8
127.5°	485.6	486.6	487.6	488.6	489.4	490.0	490.7	491.3	491.9	492.3	492.7
130°	507.5	508.5	509.5	510.5	511.3	511.8	512.3	512.8	513.3	513.8	514.3
132.5°	528.5	529.5	530.5	531.5	532.2	532.6	533.0	533.4	533.9	534.4	534.9
135°	560.3	561.0	561.8	562.6	563.2	563.7	564.2	564.7	565.2	565.6	566.0
137.5°	587.9	588.8	589.8	590.7	591.4	591.6	591.9	592.2	592.5	593.1	593.7
140°	605.9	606.7	607.4	608.2	608.8	609.1	609.5	609.9	610.3	610.8	611.3
142.5°	622.8	623.6	624.3	625.1	625.6	626.0	626.4	626.8	627.2	627.6	628.0
145°	646.5	647.4	648.3	649.2	649.8	650.0	650.3	650.5	650.8	651.0	651.3
147.5°	668.5	669.1	669.6	670.2	670.6	670.9	671.1	671.4	671.7	671.9	672.2
150°	682.0	682.3	682.7	683.1	683.4	683.7	683.9	684.2	684.4	684.7	684.9
152.5°	694.1	694.2	694.4	694.6	694.8	694.9	695.1	695.2	695.4	695.8	696.3
155°	711.0	710.7	710.5	710.2	710.2	710.3	710.4	710.5	710.7	711.3	711.9
157.5°	724.7	724.6	724.6	724.6	724.5	724.4	724.3	724.1	724.0	724.8	725.5
160°	732.8	732.7	732.5	732.4	732.3	732.1	732.0	731.9	731.8	732.5	733.3
162.5°	740.3	740.0	739.7	739.3	739.1	739.0	738.9	738.7	738.6	739.5	740.3
165°	749.6	749.3	748.9	748.5	748.2	748.1	748.0	747.9	747.7	748.8	749.8
167.5°	756.8	756.3	755.8	755.3	755.0	755.0	755.0	755.0	755.0	756.1	757.1
170°	760.9	760.4	759.9	759.4	759.1	759.1	759.1	759.1	759.1	760.2	761.2
172.5°	763.6	762.9	762.3	761.7	761.5	761.6	761.7	761.8	761.9	762.9	763.9
175°	767.1	766.4	765.8	765.2	764.9	765.0	765.2	765.3	765.4	766.3	767.2
177.5°	768.1	767.6	767.1	766.6	766.4	766.5	766.6	766.7	766.8	767.6	768.4
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7



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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°	9.6	9.7	9.2	9.3	8.8	9.9	8.9
90°	15.2	15.7	16.1	16.4	16.6	16.9	17.1
92.5°	17.0	17.8	18.3	18.5	18.6	18.8	18.9
95°	20.3	21.2	21.7	21.7	21.7	21.7	21.7
97.5°	21.4	22.4	23.0	23.1	23.2	23.4	23.5
100°	21.9	22.9	23.4	23.6	23.7	23.8	24.0
102.5°	28.1	25.0	23.5	23.7	24.0	24.2	24.4
105°	57.6	35.2	24.1	24.3	24.6	24.8	25.1
107.5°	179.6	163.1	146.5	129.5	112.6	95.7	78.8
110°	244.7	240.5	229.3	211.2	193.1	175.0	156.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	286.2	286.3	284.4	280.6	276.7	272.9	269.1
115°	331.2	332.5	333.3	333.8	334.4	334.9	335.4
117.5°	370.6	371.6	372.2	372.3	372.4	372.5	372.6
120°	396.6	397.6	398.1	398.1	398.1	398.1	398.1
122.5°	421.7	422.4	422.8	422.9	423.0	423.1	423.2
125°	457.0	457.3	457.6	457.8	458.1	458.3	458.6
127.5°	493.1	493.5	493.6	493.3	493.1	492.8	492.6
130°	514.8	515.3	515.5	515.2	515.0	514.7	514.5
132.5°	535.4	535.9	536.0	535.6	535.2	534.9	534.5
135°	566.4	566.7	566.7	566.4	566.0	565.6	565.2
137.5°	594.3	594.9	595.1	594.8	594.6	594.3	594.1
140°	611.8	612.3	612.4	612.2	611.9	611.7	611.4
142.5°	628.4	628.8	628.8	628.5	628.1	627.7	627.4
145°	651.5	651.8	651.9	651.9	651.9	651.9	651.9
147.5°	672.4	672.7	672.5	671.9	671.3	670.8	670.2
150°	685.2	685.4	685.4	685.0	684.6	684.2	683.9
152.5°	696.7	697.2	697.1	696.6	696.0	695.4	694.8
155°	712.6	713.2	713.1	712.4	711.6	710.9	710.1
157.5°	726.3	727.1	726.9	725.9	725.0	724.0	723.0
160°	734.0	734.8	734.7	733.9	733.0	732.1	731.2
162.5°	741.2	742.1	742.1	741.3	740.5	739.7	739.0
165°	750.8	751.8	751.9	751.0	750.1	749.2	748.3
167.5°	758.1	759.1	759.1	758.1	757.1	756.1	755.0
170°	762.2	763.2	763.2	762.2	761.2	760.2	759.1
172.5°	764.9	765.9	765.9	764.8	763.7	762.5	761.4
175°	768.1	769.0	768.9	767.9	766.9	765.9	764.8
177.5°	769.2	770.0	769.9	768.9	767.9	766.9	765.9
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7

(END OF REPORT)