

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: P332342-830

Luminaire Tested: **S123RDIP-S1000D805U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332342-830  
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-S1000D805U830-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6758.1 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

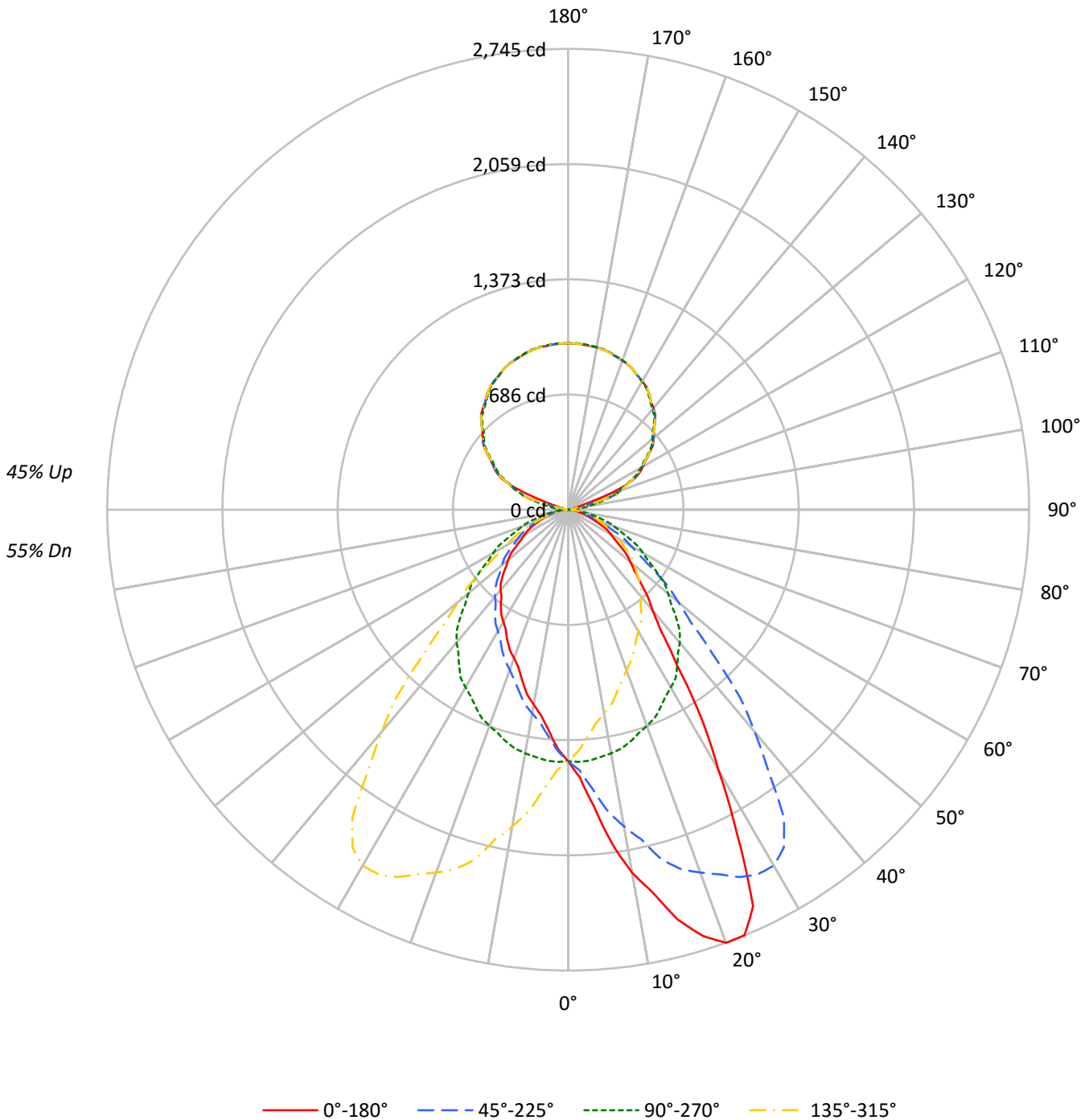
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	100	95	92	88	92	89	86	83	77	74	72	65	64	62	55	54	53	48
2	91	84	78	73	85	78	73	69	68	64	61	58	55	53	49	47	45	41
3	84	75	67	62	78	70	63	58	60	56	52	52	48	46	44	42	39	36
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	34	31
5	71	59	52	46	66	56	49	44	49	43	39	42	38	35	36	33	30	27
6	65	54	46	40	61	50	43	38	44	39	34	38	34	31	33	30	27	24
7	61	49	41	35	56	46	39	34	40	35	31	35	31	27	30	27	24	22
8	56	44	37	31	52	42	35	30	37	31	27	32	28	25	28	24	22	20
9	53	41	33	28	49	38	32	27	34	28	25	30	25	22	26	22	20	18
10	49	37	30	25	46	35	29	24	31	26	22	28	23	20	24	21	18	16

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

	0°	90°	180°	270°
0°	16129	16129	16129	16129
5°	19225	16197	14263	16197
10°	24004	16104	12885	16104
15°	28178	15940	11751	15940
20°	31447	15694	10786	15694
25°	30945	15435	10194	15435
30°	22243	15196	9583	15196
35°	14851	14884	9188	14884
40°	10942	14511	8778	14511
45°	9178	13855	8378	13855
50°	8098	12996	7819	12996
55°	7101	12014	7054	12014
60°	6325	11074	6463	11074
65°	5555	10063	6011	10063
70°	4362	9165	5492	9165
75°	3843	8006	5016	8006
80°	3341	6800	4934	6800
85°	2692	5471	5224	5471



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	2.2
10°-20°	460.3	6.8
20°-30°	723.2	10.7
30°-40°	754.5	11.2
40°-50°	645.7	9.6
50°-60°	492.2	7.3
60°-70°	315.5	4.7
70°-80°	151.8	2.2
80°-90°	42.9	0.6
90°-100°	36.1	0.5
100°-110°	171.9	2.5
110°-120°	412.8	6.1
120°-130°	525.7	7.8
130°-140°	561.7	8.3
140°-150°	525.2	7.8
150°-160°	423.7	6.3
160°-170°	273.4	4.0
170°-180°	94.2	1.4
0°-30°	1330.9	19.7
0°-40°	2085.5	30.9
0°-60°	3223.3	47.7
0°-90°	3733.5	55.2
90°-120°	620.7	9.2
90°-150°	2233.3	33.0
90°-180°	3025.0	44.8
0°-180°	6758.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1498	1498	1498	1498	1498	
5°	1779	1499	1320	1499	1779	184
15°	2529	1430	1054	1430	2529	717
25°	2606	1300	858	1300	2606	1120
35°	1130	1133	699	1133	1130	741
45°	603	910	550	910	603	474
55°	378	640	376	640	378	342
65°	218	395	236	395	218	215
75°	92	192	121	192	92	99
85°	22	44	42	44	22	26
90°	22	1	22	1	22	11
95°	28	45	28	45	28	23
105°	32	220	32	220	32	74
115°	433	412	433	412	433	400
125°	592	581	592	581	592	529
135°	730	723	730	723	730	563
145°	842	834	842	834	842	526
155°	917	919	917	919	917	423
165°	967	969	967	969	967	273
175°	988	992	988	992	988	94
180°	992	992	992	992	992	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1595.9	1597.9	1591.3	1590.3	1582.5	1580.5	1580.5	1569.7	1563.0	1554.3	1549.2
5°	1779.3	1789.6	1784.4	1772.9	1753.7	1749.2	1737.0	1717.8	1695.9	1669.0	1656.1
7.5°	2008.5	2022.4	2017.0	1999.2	1979.1	1962.8	1928.4	1896.5	1851.7	1812.4	1778.9
10°	2196.2	2181.5	2169.9	2152.7	2134.0	2103.8	2067.9	2018.5	1961.5	1916.6	1866.6
12.5°	2336.8	2334.4	2319.8	2302.0	2275.7	2247.0	2202.9	2142.8	2076.4	2011.6	1954.3
15°	2528.6	2532.3	2522.7	2504.1	2466.9	2416.3	2349.6	2324.6	2229.6	2159.1	2088.5
17.5°	2661.2	2660.4	2659.1	2633.4	2595.4	2559.3	2497.5	2431.7	2345.7	2246.3	2151.3
20°	2745.3	2738.9	2740.2	2711.3	2683.1	2641.4	2581.2	2485.6	2415.0	2300.2	2202.1
22.5°	2743.3	2742.0	2746.9	2737.0	2716.5	2684.5	2637.0	2556.4	2466.3	2350.4	2240.0
25°	2605.5	2600.4	2630.5	2638.8	2671.5	2677.3	2663.2	2618.9	2533.6	2414.3	2277.7
27.5°	2180.6	2177.7	2233.7	2303.8	2392.6	2461.5	2528.3	2560.5	2533.6	2448.3	2311.3
30°	1789.6	1849.9	1878.1	1979.4	2092.4	2227.0	2345.0	2457.3	2484.9	2447.7	2335.4
32.5°	1485.8	1538.4	1562.0	1649.0	1754.2	1911.9	2089.1	2248.0	2360.2	2388.7	2321.1
35°	1130.2	1130.9	1184.7	1223.2	1320.7	1483.0	1654.9	1867.8	2079.5	2239.9	2256.5
37.5°	901.8	905.0	937.6	976.0	1049.1	1134.9	1286.3	1463.4	1707.9	1954.1	2098.4
40°	778.7	784.5	808.9	846.7	899.3	964.0	1082.1	1248.9	1452.8	1726.7	1950.6
42.5°	699.6	709.1	721.6	750.7	783.3	844.0	939.4	1068.3	1253.8	1512.8	1771.0
45°	602.9	608.0	617.7	631.1	660.6	703.0	767.1	853.8	1007.7	1216.2	1474.6
47.5°	531.9	529.1	539.3	550.3	569.9	598.7	641.7	712.4	822.2	989.5	1208.7
50°	483.6	483.0	490.0	498.4	517.0	538.2	573.4	626.7	713.9	852.4	1053.2
52.5°	438.5	440.9	445.9	456.3	469.8	486.8	518.5	556.9	631.8	751.4	918.8
55°	378.4	380.4	387.4	393.2	402.8	420.1	440.0	472.1	523.4	606.8	744.7
57.5°	327.6	326.8	333.6	335.0	345.8	360.0	375.3	400.3	437.4	499.5	592.3
60°	293.8	291.8	297.7	302.1	307.9	319.4	332.2	356.7	386.2	431.7	511.2
62.5°	263.0	262.1	266.4	270.8	275.6	286.1	296.9	315.6	338.9	377.3	440.5
65°	218.1	220.0	222.0	223.9	226.4	232.8	243.1	255.9	271.9	298.9	344.4
67.5°	171.4	173.3	174.0	178.0	183.4	187.5	193.7	205.1	216.3	239.0	264.9
70°	138.6	137.9	138.6	140.4	147.5	154.6	163.0	171.3	178.3	194.4	216.1
72.5°	119.0	117.9	119.6	120.0	123.4	125.4	130.6	138.5	147.5	158.4	174.1
75°	92.4	92.4	92.4	92.4	94.9	96.2	98.1	100.1	103.3	108.4	120.0
77.5°	68.2	68.3	69.3	69.9	70.4	71.2	72.4	74.3	75.4	78.1	83.1
80°	53.9	54.5	53.9	54.5	54.5	55.8	56.5	58.3	59.0	62.2	64.2
82.5°	40.5	40.2	40.5	41.2	41.2	42.5	42.6	44.0	44.1	45.8	47.7
85°	21.8	20.5	21.8	21.2	22.4	21.2	21.8	23.1	23.1	23.8	26.3
87.5°	9.5	10.6	9.4	9.9	9.8	10.2	10.1	10.0	10.8	10.2	10.3
90°	22.1	21.8	21.5	21.1	20.8	20.3	19.6	19.0	18.4	17.7	15.6
92.5°	24.5	24.2	24.0	23.8	23.7	23.1	22.0	20.9	19.9	18.9	17.2
95°	28.0	28.0	28.0	28.0	28.0	27.4	26.3	25.2	24.0	22.8	21.0
97.5°	30.3	30.2	30.1	29.9	29.7	28.9	27.6	26.4	25.1	23.8	35.5
100°	30.9	30.8	30.6	30.4	30.3	29.6	28.3	27.0	25.6	24.3	49.9
102.5°	31.6	31.2	30.9	30.6	30.3	32.2	36.3	40.3	44.4	48.4	76.3
105°	32.4	32.1	31.8	31.5	31.1	45.4	74.5	103.4	132.4	161.4	176.1
107.5°	101.8	123.7	145.5	167.4	189.2	210.8	232.1	253.3	274.6	295.8	293.4
110°	202.6	226.0	249.5	272.9	296.3	310.8	316.1	321.5	327.0	332.3	330.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	347.7	352.6	357.5	362.5	367.4	369.9	369.8	369.7	369.6	369.5	367.7
115°	433.3	432.6	432.0	431.3	430.6	429.5	427.9	426.2	424.6	423.0	421.5
117.5°	481.4	481.2	481.1	481.0	480.8	480.0	478.8	477.5	476.2	474.9	474.1
120°	514.3	514.3	514.3	514.3	514.3	513.7	512.4	511.0	509.7	508.4	507.9
122.5°	546.8	546.7	546.5	546.4	546.2	545.7	544.8	543.8	543.0	542.1	541.4
125°	592.5	592.1	591.8	591.4	591.2	590.8	590.5	590.1	589.8	589.5	588.8
127.5°	636.4	636.7	637.1	637.3	637.6	637.5	637.1	636.5	636.0	635.5	634.7
130°	664.7	665.0	665.3	665.6	666.0	665.8	665.2	664.5	663.8	663.2	662.5
132.5°	690.6	691.1	691.5	692.0	692.4	692.3	691.6	691.0	690.4	689.8	689.2
135°	730.3	730.8	731.2	731.7	732.2	732.2	731.7	731.2	730.8	730.3	729.6
137.5°	767.5	767.9	768.2	768.5	768.8	768.6	767.8	767.0	766.3	765.4	765.1
140°	789.9	790.2	790.6	790.9	791.3	791.1	790.4	789.8	789.1	788.4	788.0
142.5°	810.6	811.1	811.4	811.9	812.4	812.4	811.8	811.3	810.8	810.3	809.7
145°	842.3	842.3	842.3	842.3	842.3	842.1	841.8	841.4	841.1	840.7	840.5
147.5°	865.8	866.6	867.3	868.1	868.8	869.0	868.7	868.4	868.1	867.7	867.4
150°	883.5	884.0	884.5	885.0	885.5	885.5	885.2	884.9	884.6	884.3	883.9
152.5°	897.7	898.4	899.2	899.9	900.7	900.8	900.1	899.6	899.0	898.4	898.2
155°	917.4	918.4	919.4	920.4	921.3	921.4	920.6	919.8	919.0	918.1	917.9
157.5°	934.1	935.4	936.6	937.9	939.1	939.3	938.3	937.4	936.4	935.4	935.6
160°	944.7	945.8	947.0	948.1	949.2	949.3	948.4	947.3	946.4	945.4	945.6
162.5°	954.7	955.7	956.7	957.7	958.8	958.7	957.6	956.5	955.4	954.2	954.4
165°	966.8	967.9	969.0	970.3	971.4	971.3	970.0	968.7	967.3	966.0	966.2
167.5°	975.4	976.8	978.1	979.4	980.7	980.7	979.4	978.1	976.8	975.4	975.4
170°	980.8	982.1	983.4	984.7	986.0	986.0	984.7	983.4	982.1	980.8	980.8
172.5°	983.7	985.1	986.7	988.1	989.5	989.6	988.3	986.9	985.6	984.3	984.2
175°	988.2	989.5	990.8	992.1	993.3	993.4	992.3	991.2	990.0	988.9	988.7
177.5°	989.5	990.8	992.1	993.4	994.8	994.9	993.8	992.8	991.7	990.6	990.5
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1547.1	1545.6	1538.4	1530.2	1519.4	1512.2	1506.6	1503.5	1494.3	1483.0	1475.3
5°	1642.7	1623.4	1603.0	1577.9	1554.8	1531.1	1516.4	1499.0	1477.8	1454.2	1437.5
7.5°	1745.1	1707.3	1666.7	1624.8	1583.3	1546.1	1513.3	1485.2	1451.4	1417.4	1393.5
10°	1823.6	1768.4	1711.4	1652.9	1599.7	1549.7	1511.2	1473.4	1432.9	1393.8	1364.3
12.5°	1894.9	1822.3	1756.5	1684.8	1616.6	1556.9	1501.5	1457.0	1408.3	1366.6	1333.0
15°	1985.2	1910.8	1831.3	1722.2	1631.8	1556.1	1488.7	1430.4	1371.4	1320.0	1287.3
17.5°	2069.6	1957.7	1850.8	1759.8	1642.3	1547.7	1465.6	1395.7	1331.0	1276.6	1236.3
20°	2104.5	1996.1	1880.0	1764.0	1648.5	1542.7	1447.1	1370.1	1302.8	1241.1	1204.0
22.5°	2125.5	2002.8	1880.6	1755.8	1633.0	1523.1	1428.6	1344.0	1270.9	1212.4	1166.5
25°	2150.0	2003.8	1869.2	1746.0	1620.9	1501.6	1389.3	1299.6	1220.7	1158.4	1109.7
27.5°	2166.2	1994.2	1835.0	1698.1	1571.2	1452.5	1349.5	1254.3	1174.3	1108.5	1056.2
30°	2169.4	1986.5	1808.8	1660.7	1531.7	1422.7	1313.6	1222.6	1137.9	1068.0	1019.3
32.5°	2173.4	1967.6	1773.4	1616.0	1484.0	1376.0	1277.2	1190.2	1103.5	1034.6	984.9
35°	2156.5	1957.0	1719.7	1538.8	1406.7	1302.1	1213.0	1132.7	1047.4	980.7	930.1
37.5°	2083.6	1915.3	1664.0	1451.8	1313.6	1216.8	1144.2	1074.3	996.0	924.1	876.3
40°	2010.3	1874.2	1620.9	1398.9	1254.6	1155.2	1089.8	1032.7	957.1	889.7	838.4
42.5°	1900.9	1818.4	1579.9	1343.5	1187.9	1092.1	1036.9	983.4	917.0	848.6	800.4
45°	1700.4	1711.4	1495.8	1255.3	1095.5	999.4	947.3	910.2	851.2	794.8	745.4
47.5°	1449.0	1551.0	1397.1	1161.2	998.2	907.9	862.4	830.0	790.2	734.8	689.8
50°	1284.8	1430.4	1318.1	1098.2	937.2	847.3	802.4	776.1	741.5	697.9	654.9
52.5°	1133.4	1289.8	1222.7	1027.8	870.9	788.8	745.0	723.3	695.8	654.8	615.9
55°	924.3	1082.7	1067.3	921.7	771.7	697.9	664.5	640.2	621.5	590.8	560.0
57.5°	747.6	897.9	905.8	803.7	684.2	611.2	582.6	564.2	552.0	528.8	500.3
60°	636.3	774.2	801.2	724.2	621.5	557.4	529.1	514.4	504.8	486.2	464.4
62.5°	543.9	661.3	691.8	636.4	561.5	501.4	479.4	465.1	458.6	442.6	423.4
65°	416.3	513.8	543.3	512.5	473.3	425.3	407.3	395.1	389.4	380.4	366.3
67.5°	313.0	384.1	416.4	394.7	380.6	350.2	338.8	332.2	327.2	320.9	309.2
70°	251.5	304.1	337.4	331.6	320.1	304.1	295.7	291.2	286.1	281.0	270.7
72.5°	202.2	238.4	269.7	272.6	263.2	260.0	252.6	250.7	247.6	241.5	235.8
75°	134.0	159.1	180.9	189.3	193.0	196.2	193.0	192.5	191.8	186.6	183.4
77.5°	87.8	101.3	115.1	129.3	135.3	139.7	140.7	143.1	141.4	138.6	137.1
80°	67.4	70.6	80.2	92.4	102.0	105.8	108.4	109.7	109.1	108.4	105.8
82.5°	48.9	51.6	56.1	64.7	72.8	79.2	80.7	80.4	81.8	82.2	80.2
85°	26.3	27.0	28.2	29.5	34.0	41.1	43.0	44.3	45.5	45.5	41.7
87.5°	10.9	10.0	10.6	10.2	11.4	11.6	14.3	16.6	17.4	15.6	16.0
90°	13.4	11.3	9.1	7.3	5.7	4.1	2.4	0.8	2.4	4.1	5.7
92.5°	15.6	14.0	12.4	11.9	12.3	12.8	13.3	13.7	13.3	12.8	12.3
95°	19.2	17.4	15.6	18.1	24.8	31.5	38.3	45.0	38.3	31.5	24.8
97.5°	47.3	59.1	70.9	78.3	81.3	84.4	87.4	90.3	87.4	84.4	81.3
100°	75.4	100.9	126.5	137.6	134.3	131.1	127.8	124.5	127.8	131.1	134.3
102.5°	104.2	132.2	160.1	172.9	170.5	168.1	165.8	163.4	165.8	168.1	170.5
105°	190.9	205.6	220.4	226.8	225.0	223.2	221.4	219.6	221.4	223.2	225.0
107.5°	291.2	288.8	286.4	284.6	283.1	281.7	280.3	278.8	280.3	281.7	283.1
110°	328.8	327.0	325.1	323.6	322.3	320.9	319.6	318.3	319.6	320.9	322.3





TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.9	364.1	362.2	360.8	359.6	358.4	357.2	356.1	357.2	358.4	359.6
115°	420.0	418.6	417.1	415.8	414.9	413.9	412.9	411.9	412.9	413.9	414.9
117.5°	473.3	472.6	471.8	470.8	469.7	468.4	467.2	466.0	467.2	468.4	469.7
120°	507.5	507.0	506.5	505.5	504.0	502.6	501.1	499.6	501.1	502.6	504.0
122.5°	540.8	540.2	539.5	538.7	537.4	536.2	535.0	533.8	535.0	536.2	537.4
125°	588.1	587.6	586.9	585.9	584.6	583.2	581.9	580.7	581.9	583.2	584.6
127.5°	634.0	633.1	632.4	631.3	630.0	628.7	627.4	626.0	627.4	628.7	630.0
130°	661.9	661.2	660.5	659.6	658.3	657.0	655.6	654.3	655.6	657.0	658.3
132.5°	688.6	688.2	687.6	686.7	685.4	684.1	682.8	681.5	682.8	684.1	685.4
135°	729.0	728.3	727.6	726.8	725.9	724.8	723.9	722.8	723.9	724.8	725.9
137.5°	764.8	764.4	764.0	763.2	762.0	760.7	759.5	758.3	759.5	760.7	762.0
140°	787.5	787.0	786.5	785.8	784.8	783.8	782.8	781.8	782.8	783.8	784.8
142.5°	809.3	808.8	808.3	807.6	806.6	805.6	804.6	803.6	804.6	805.6	806.6
145°	840.1	839.8	839.4	838.8	837.5	836.4	835.3	834.2	835.3	836.4	837.5
147.5°	867.0	866.8	866.5	865.9	865.2	864.4	863.7	862.9	863.7	864.4	865.2
150°	883.6	883.3	883.0	882.5	882.0	881.6	881.1	880.5	881.1	881.6	882.0
152.5°	898.0	897.8	897.6	897.4	897.2	896.9	896.7	896.5	896.7	896.9	897.2
155°	917.8	917.7	917.5	917.6	917.9	918.2	918.6	918.9	918.6	918.2	917.9
157.5°	935.8	935.9	936.0	936.1	936.1	936.2	936.2	936.2	936.2	936.2	936.1
160°	945.7	945.9	946.0	946.2	946.4	946.6	946.7	946.9	946.7	946.6	946.4
162.5°	954.6	954.7	954.9	955.2	955.6	956.0	956.5	956.9	956.5	956.0	955.6
165°	966.4	966.6	966.7	967.0	967.5	968.0	968.5	969.0	968.5	968.0	967.5
167.5°	975.4	975.4	975.4	975.8	976.5	977.1	977.8	978.5	977.8	977.1	976.5
170°	980.8	980.8	980.8	981.1	981.8	982.4	983.1	983.7	983.1	982.4	981.8
172.5°	984.0	983.9	983.8	984.1	984.9	985.7	986.5	987.2	986.5	985.7	984.9
175°	988.5	988.4	988.3	988.5	989.4	990.2	991.0	991.8	991.0	990.2	989.4
177.5°	990.4	990.2	990.1	990.4	991.1	991.7	992.4	993.0	992.4	991.7	991.1
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1472.7	1466.0	1461.4	1451.1	1444.5	1437.3	1430.1	1434.7	1434.3	1433.7	1433.7
5°	1423.3	1408.5	1395.2	1377.8	1366.9	1353.4	1343.1	1341.9	1344.4	1335.5	1330.3
7.5°	1374.3	1354.2	1335.1	1316.0	1295.7	1279.5	1269.4	1264.6	1258.1	1252.5	1246.8
10°	1339.9	1316.3	1297.6	1273.8	1252.1	1232.8	1220.7	1212.3	1207.8	1203.3	1195.0
12.5°	1304.6	1281.3	1257.6	1230.8	1210.0	1187.7	1178.6	1169.2	1160.6	1155.6	1144.2
15°	1252.7	1222.6	1197.6	1169.3	1146.2	1124.5	1111.6	1093.0	1090.4	1084.0	1072.5
17.5°	1200.8	1168.0	1133.5	1112.7	1086.6	1063.8	1044.3	1038.1	1019.7	1012.9	1002.8
20°	1159.7	1129.5	1103.2	1075.7	1037.8	1016.6	1001.3	993.0	978.2	969.2	962.8
22.5°	1124.3	1093.6	1063.3	1031.0	999.8	976.1	964.9	951.9	943.8	931.2	924.3
25°	1073.7	1040.4	1003.8	969.2	946.8	928.8	910.9	899.3	887.8	881.9	869.1
27.5°	1015.0	980.1	945.9	919.6	892.1	874.4	858.1	847.8	834.0	824.3	817.2
30°	982.7	941.6	912.1	888.3	853.1	836.4	824.3	811.4	801.2	790.9	783.8
32.5°	945.2	907.8	879.8	850.5	823.3	805.1	789.4	778.1	769.3	759.6	752.5
35°	886.5	855.1	826.1	796.6	776.7	758.2	739.6	729.9	721.6	712.7	706.2
37.5°	833.3	804.0	776.6	748.6	723.9	708.8	693.8	686.5	675.1	669.1	662.6
40°	800.5	771.7	742.2	715.2	689.6	678.0	664.5	653.7	643.4	638.9	631.8
42.5°	764.6	735.7	710.9	681.8	660.8	645.2	632.7	620.8	613.1	606.5	602.6
45°	711.3	685.7	661.3	632.4	612.6	599.1	584.9	574.1	567.0	562.5	555.4
47.5°	659.7	634.0	609.3	584.1	564.9	549.4	535.4	527.7	518.4	512.9	508.1
50°	622.2	599.1	572.8	549.7	530.5	515.1	503.5	493.9	485.6	478.5	475.3
52.5°	587.8	563.2	540.5	519.0	498.6	481.2	470.7	460.5	454.3	446.2	442.4
55°	531.1	507.4	488.1	466.9	447.0	432.3	419.5	410.5	404.1	395.1	390.0
57.5°	477.9	456.6	433.6	415.3	394.7	382.3	371.6	359.5	351.7	344.6	339.6
60°	442.0	417.5	397.7	380.4	362.4	346.4	336.8	327.2	318.8	311.7	307.3
62.5°	404.4	383.2	364.3	345.4	329.0	315.1	303.9	295.9	288.5	284.0	279.6
65°	347.0	330.4	311.1	295.7	280.3	270.0	261.1	254.0	248.8	245.6	241.9
67.5°	294.2	278.0	261.2	246.1	235.8	228.0	222.1	216.0	213.5	209.3	206.8
70°	259.8	243.1	228.4	216.8	206.5	200.8	196.9	192.5	189.8	184.7	182.2
72.5°	222.3	210.3	199.6	190.1	181.9	176.6	171.7	166.3	162.1	156.5	153.9
75°	175.1	164.2	155.9	149.5	144.3	137.2	130.2	124.4	122.5	120.6	120.0
77.5°	129.7	122.8	116.8	111.3	104.9	99.8	98.3	97.0	96.6	95.6	95.6
80°	102.0	95.6	91.0	84.6	80.8	80.8	80.8	79.6	80.2	80.2	80.2
82.5°	75.8	69.9	67.5	65.1	64.4	64.9	64.9	65.1	64.8	65.8	65.3
85°	39.1	39.8	41.1	40.4	41.1	41.1	42.3	41.7	42.3	41.1	42.3
87.5°	15.8	17.7	18.7	19.6	20.5	20.5	21.1	21.2	21.9	22.1	22.1
90°	7.3	9.1	11.3	13.4	15.6	17.7	18.4	19.0	19.6	20.3	20.8
92.5°	11.9	12.4	14.0	15.6	17.2	18.9	19.9	20.9	22.0	23.1	23.7
95°	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.2	26.3	27.4	28.0
97.5°	78.3	70.9	59.1	47.3	35.5	23.8	25.1	26.4	27.6	28.9	29.7
100°	137.6	126.5	100.9	75.4	49.9	24.3	25.6	27.0	28.3	29.6	30.3
102.5°	172.9	160.1	132.2	104.2	76.3	48.4	44.4	40.3	36.3	32.2	30.3
105°	226.8	220.4	205.6	190.9	176.1	161.4	132.4	103.4	74.5	45.4	31.1
107.5°	284.6	286.4	288.8	291.2	293.4	295.8	274.6	253.3	232.1	210.8	189.2
110°	323.6	325.1	327.0	328.8	330.5	332.3	327.0	321.5	316.1	310.8	296.3



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	360.8	362.2	364.1	365.9	367.7	369.5	369.6	369.7	369.8	369.9	367.4
115°	415.8	417.1	418.6	420.0	421.5	423.0	424.6	426.2	427.9	429.5	430.6
117.5°	470.8	471.8	472.6	473.3	474.1	474.9	476.2	477.5	478.8	480.0	480.8
120°	505.5	506.5	507.0	507.5	507.9	508.4	509.7	511.0	512.4	513.7	514.3
122.5°	538.7	539.5	540.2	540.8	541.4	542.1	543.0	543.8	544.8	545.7	546.2
125°	585.9	586.9	587.6	588.1	588.8	589.5	589.8	590.1	590.5	590.8	591.2
127.5°	631.3	632.4	633.1	634.0	634.7	635.5	636.0	636.5	637.1	637.5	637.6
130°	659.6	660.5	661.2	661.9	662.5	663.2	663.8	664.5	665.2	665.8	666.0
132.5°	686.7	687.6	688.2	688.6	689.2	689.8	690.4	691.0	691.6	692.3	692.4
135°	726.8	727.6	728.3	729.0	729.6	730.3	730.8	731.2	731.7	732.2	732.2
137.5°	763.2	764.0	764.4	764.8	765.1	765.4	766.3	767.0	767.8	768.6	768.8
140°	785.8	786.5	787.0	787.5	788.0	788.4	789.1	789.8	790.4	791.1	791.3
142.5°	807.6	808.3	808.8	809.3	809.7	810.3	810.8	811.3	811.8	812.4	812.4
145°	838.8	839.4	839.8	840.1	840.5	840.7	841.1	841.4	841.8	842.1	842.3
147.5°	865.9	866.5	866.8	867.0	867.4	867.7	868.1	868.4	868.7	869.0	868.8
150°	882.5	883.0	883.3	883.6	883.9	884.3	884.6	884.9	885.2	885.5	885.5
152.5°	897.4	897.6	897.8	898.0	898.2	898.4	899.0	899.6	900.1	900.8	900.7
155°	917.6	917.5	917.7	917.8	917.9	918.1	919.0	919.8	920.6	921.4	921.3
157.5°	936.1	936.0	935.9	935.8	935.6	935.4	936.4	937.4	938.3	939.3	939.1
160°	946.2	946.0	945.9	945.7	945.6	945.4	946.4	947.3	948.4	949.3	949.2
162.5°	955.2	954.9	954.7	954.6	954.4	954.2	955.4	956.5	957.6	958.7	958.8
165°	967.0	966.7	966.6	966.4	966.2	966.0	967.3	968.7	970.0	971.3	971.4
167.5°	975.8	975.4	975.4	975.4	975.4	975.4	976.8	978.1	979.4	980.7	980.7
170°	981.1	980.8	980.8	980.8	980.8	980.8	982.1	983.4	984.7	986.0	986.0
172.5°	984.1	983.8	983.9	984.0	984.2	984.3	985.6	986.9	988.3	989.6	989.5
175°	988.5	988.3	988.4	988.5	988.7	988.9	990.0	991.2	992.3	993.4	993.3
177.5°	990.4	990.1	990.2	990.4	990.5	990.6	991.7	992.8	993.8	994.9	994.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1427.6	1427.0	1427.6	1425.5	1427.6	1427.0	1427.6	1433.7	1433.7	1434.3	1434.7
5°	1328.4	1327.8	1325.9	1320.0	1325.9	1327.8	1328.4	1330.3	1335.5	1344.4	1341.9
7.5°	1241.8	1241.0	1235.3	1235.4	1235.3	1241.0	1241.8	1246.8	1252.5	1258.1	1264.6
10°	1190.5	1191.1	1183.5	1178.9	1183.5	1191.1	1190.5	1195.0	1203.3	1207.8	1212.3
12.5°	1140.8	1137.7	1131.6	1126.6	1131.6	1137.7	1140.8	1144.2	1155.6	1160.6	1169.2
15°	1075.1	1068.7	1053.2	1054.5	1053.2	1068.7	1075.1	1072.5	1084.0	1090.4	1093.0
17.5°	997.7	993.0	992.7	983.7	992.7	993.0	997.7	1002.8	1012.9	1019.7	1038.1
20°	952.5	949.3	950.6	941.6	950.6	949.3	952.5	962.8	969.2	978.2	993.0
22.5°	917.1	913.9	908.5	905.7	908.5	913.9	917.1	924.3	931.2	943.8	951.9
25°	865.3	860.2	855.1	858.3	855.1	860.2	865.3	869.1	881.9	887.8	899.3
27.5°	813.5	809.6	804.5	803.8	804.5	809.6	813.5	817.2	824.3	834.0	847.8
30°	780.6	776.7	774.2	771.0	774.2	776.7	780.6	783.8	790.9	801.2	811.4
32.5°	747.2	746.5	741.9	741.2	741.9	746.5	747.2	752.5	759.6	769.3	778.1
35°	703.6	699.8	698.5	699.2	698.5	699.8	703.6	706.2	712.7	721.6	729.9
37.5°	662.2	657.0	654.8	652.4	654.8	657.0	662.2	662.6	669.1	675.1	686.5
40°	632.4	627.4	626.0	624.7	626.0	627.4	632.4	631.8	638.9	643.4	653.7
42.5°	599.1	597.0	596.3	594.0	596.3	597.0	599.1	602.6	606.5	613.1	620.8
45°	553.6	552.9	549.0	550.4	549.0	552.9	553.6	555.4	562.5	567.0	574.1
47.5°	505.6	502.8	500.0	501.8	500.0	502.8	505.6	508.1	512.9	518.4	527.7
50°	472.8	471.5	465.7	466.9	465.7	471.5	472.8	475.3	478.5	485.6	493.9
52.5°	439.9	435.0	432.8	432.1	432.8	435.0	439.9	442.4	446.2	454.3	460.5
55°	385.5	379.8	377.2	375.9	377.2	379.8	385.5	390.0	395.1	404.1	410.5
57.5°	332.2	330.5	328.6	330.0	328.6	330.5	332.2	339.6	344.6	351.7	359.5
60°	300.9	300.9	300.9	300.2	300.9	300.9	300.9	307.3	311.7	318.8	327.2
62.5°	276.7	275.1	274.7	275.6	274.7	275.1	276.7	279.6	284.0	288.5	295.9
65°	239.9	239.2	236.7	236.0	236.7	239.2	239.9	241.9	245.6	248.8	254.0
67.5°	205.1	202.8	202.1	201.1	202.1	202.8	205.1	206.8	209.3	213.5	216.0
70°	179.0	177.7	173.8	174.5	173.8	177.7	179.0	182.2	184.7	189.8	192.5
72.5°	150.7	149.5	148.6	147.8	148.6	149.5	150.7	153.9	156.5	162.1	166.3
75°	119.3	118.7	118.0	120.6	118.0	118.7	119.3	120.0	120.6	122.5	124.4
77.5°	95.6	95.6	96.0	94.9	96.0	95.6	95.6	95.6	95.6	96.6	97.0
80°	80.2	80.2	79.6	79.6	79.6	80.2	80.2	80.2	80.2	80.2	79.6
82.5°	64.3	64.8	65.1	64.2	65.1	64.8	64.3	65.3	65.8	64.8	65.1
85°	42.3	41.7	43.0	42.3	43.0	41.7	42.3	42.3	41.1	42.3	41.7
87.5°	23.2	22.2	22.3	22.9	22.3	22.2	23.2	22.1	22.1	21.9	21.2
90°	21.1	21.5	21.8	22.1	21.8	21.5	21.1	20.8	20.3	19.6	19.0
92.5°	23.8	24.0	24.2	24.5	24.2	24.0	23.8	23.7	23.1	22.0	20.9
95°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	26.3	25.2
97.5°	29.9	30.1	30.2	30.3	30.2	30.1	29.9	29.7	28.9	27.6	26.4
100°	30.4	30.6	30.8	30.9	30.8	30.6	30.4	30.3	29.6	28.3	27.0
102.5°	30.6	30.9	31.2	31.6	31.2	30.9	30.6	30.3	32.2	36.3	40.3
105°	31.5	31.8	32.1	32.4	32.1	31.8	31.5	31.1	45.4	74.5	103.4
107.5°	167.4	145.5	123.7	101.8	123.7	145.5	167.4	189.2	210.8	232.1	253.3
110°	272.9	249.5	226.0	202.6	226.0	249.5	272.9	296.3	310.8	316.1	321.5



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	362.5	357.5	352.6	347.7	352.6	357.5	362.5	367.4	369.9	369.8	369.7
115°	431.3	432.0	432.6	433.3	432.6	432.0	431.3	430.6	429.5	427.9	426.2
117.5°	481.0	481.1	481.2	481.4	481.2	481.1	481.0	480.8	480.0	478.8	477.5
120°	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	513.7	512.4	511.0
122.5°	546.4	546.5	546.7	546.8	546.7	546.5	546.4	546.2	545.7	544.8	543.8
125°	591.4	591.8	592.1	592.5	592.1	591.8	591.4	591.2	590.8	590.5	590.1
127.5°	637.3	637.1	636.7	636.4	636.7	637.1	637.3	637.6	637.5	637.1	636.5
130°	665.6	665.3	665.0	664.7	665.0	665.3	665.6	666.0	665.8	665.2	664.5
132.5°	692.0	691.5	691.1	690.6	691.1	691.5	692.0	692.4	692.3	691.6	691.0
135°	731.7	731.2	730.8	730.3	730.8	731.2	731.7	732.2	732.2	731.7	731.2
137.5°	768.5	768.2	767.9	767.5	767.9	768.2	768.5	768.8	768.6	767.8	767.0
140°	790.9	790.6	790.2	789.9	790.2	790.6	790.9	791.3	791.1	790.4	789.8
142.5°	811.9	811.4	811.1	810.6	811.1	811.4	811.9	812.4	812.4	811.8	811.3
145°	842.3	842.3	842.3	842.3	842.3	842.3	842.3	842.3	842.1	841.8	841.4
147.5°	868.1	867.3	866.6	865.8	866.6	867.3	868.1	868.8	869.0	868.7	868.4
150°	885.0	884.5	884.0	883.5	884.0	884.5	885.0	885.5	885.5	885.2	884.9
152.5°	899.9	899.2	898.4	897.7	898.4	899.2	899.9	900.7	900.8	900.1	899.6
155°	920.4	919.4	918.4	917.4	918.4	919.4	920.4	921.3	921.4	920.6	919.8
157.5°	937.9	936.6	935.4	934.1	935.4	936.6	937.9	939.1	939.3	938.3	937.4
160°	948.1	947.0	945.8	944.7	945.8	947.0	948.1	949.2	949.3	948.4	947.3
162.5°	957.7	956.7	955.7	954.7	955.7	956.7	957.7	958.8	958.7	957.6	956.5
165°	970.3	969.0	967.9	966.8	967.9	969.0	970.3	971.4	971.3	970.0	968.7
167.5°	979.4	978.1	976.8	975.4	976.8	978.1	979.4	980.7	980.7	979.4	978.1
170°	984.7	983.4	982.1	980.8	982.1	983.4	984.7	986.0	986.0	984.7	983.4
172.5°	988.1	986.7	985.1	983.7	985.1	986.7	988.1	989.5	989.6	988.3	986.9
175°	992.1	990.8	989.5	988.2	989.5	990.8	992.1	993.3	993.4	992.3	991.2
177.5°	993.4	992.1	990.8	989.5	990.8	992.1	993.4	994.8	994.9	993.8	992.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1430.1	1437.3	1444.5	1451.1	1461.4	1466.0	1472.7	1475.3	1483.0	1494.3	1503.5
5°	1343.1	1353.4	1366.9	1377.8	1395.2	1408.5	1423.3	1437.5	1454.2	1477.8	1499.0
7.5°	1269.4	1279.5	1295.7	1316.0	1335.1	1354.2	1374.3	1393.5	1417.4	1451.4	1485.2
10°	1220.7	1232.8	1252.1	1273.8	1297.6	1316.3	1339.9	1364.3	1393.8	1432.9	1473.4
12.5°	1178.6	1187.7	1210.0	1230.8	1257.6	1281.3	1304.6	1333.0	1366.6	1408.3	1457.0
15°	1111.6	1124.5	1146.2	1169.3	1197.6	1222.6	1252.7	1287.3	1320.0	1371.4	1430.4
17.5°	1044.3	1063.8	1086.6	1112.7	1133.5	1168.0	1200.8	1236.3	1276.6	1331.0	1395.7
20°	1001.3	1016.6	1037.8	1075.7	1103.2	1129.5	1159.7	1204.0	1241.1	1302.8	1370.1
22.5°	964.9	976.1	999.8	1031.0	1063.3	1093.6	1124.3	1166.5	1212.4	1270.9	1344.0
25°	910.9	928.8	946.8	969.2	1003.8	1040.4	1073.7	1109.7	1158.4	1220.7	1299.6
27.5°	858.1	874.4	892.1	919.6	945.9	980.1	1015.0	1056.2	1108.5	1174.3	1254.3
30°	824.3	836.4	853.1	888.3	912.1	941.6	982.7	1019.3	1068.0	1137.9	1222.6
32.5°	789.4	805.1	823.3	850.5	879.8	907.8	945.2	984.9	1034.6	1103.5	1190.2
35°	739.6	758.2	776.7	796.6	826.1	855.1	886.5	930.1	980.7	1047.4	1132.7
37.5°	693.8	708.8	723.9	748.6	776.6	804.0	833.3	876.3	924.1	996.0	1074.3
40°	664.5	678.0	689.6	715.2	742.2	771.7	800.5	838.4	889.7	957.1	1032.7
42.5°	632.7	645.2	660.8	681.8	710.9	735.7	764.6	800.4	848.6	917.0	983.4
45°	584.9	599.1	612.6	632.4	661.3	685.7	711.3	745.4	794.8	851.2	910.2
47.5°	535.4	549.4	564.9	584.1	609.3	634.0	659.7	689.8	734.8	790.2	830.0
50°	503.5	515.1	530.5	549.7	572.8	599.1	622.2	654.9	697.9	741.5	776.1
52.5°	470.7	481.2	498.6	519.0	540.5	563.2	587.8	615.9	654.8	695.8	723.3
55°	419.5	432.3	447.0	466.9	488.1	507.4	531.1	560.0	590.8	621.5	640.2
57.5°	371.6	382.3	394.7	415.3	433.6	456.6	477.9	500.3	528.8	552.0	564.2
60°	336.8	346.4	362.4	380.4	397.7	417.5	442.0	464.4	486.2	504.8	514.4
62.5°	303.9	315.1	329.0	345.4	364.3	383.2	404.4	423.4	442.6	458.6	465.1
65°	261.1	270.0	280.3	295.7	311.1	330.4	347.0	366.3	380.4	389.4	395.1
67.5°	222.1	228.0	235.8	246.1	261.2	278.0	294.2	309.2	320.9	327.2	332.2
70°	196.9	200.8	206.5	216.8	228.4	243.1	259.8	270.7	281.0	286.1	291.2
72.5°	171.7	176.6	181.9	190.1	199.6	210.3	222.3	235.8	241.5	247.6	250.7
75°	130.2	137.2	144.3	149.5	155.9	164.2	175.1	183.4	186.6	191.8	192.5
77.5°	98.3	99.8	104.9	111.3	116.8	122.8	129.7	137.1	138.6	141.4	143.1
80°	80.8	80.8	80.8	84.6	91.0	95.6	102.0	105.8	108.4	109.1	109.7
82.5°	64.9	64.9	64.4	65.1	67.5	69.9	75.8	80.2	82.2	81.8	80.4
85°	42.3	41.1	41.1	40.4	41.1	39.8	39.1	41.7	45.5	45.5	44.3
87.5°	21.1	20.5	20.5	19.6	18.7	17.7	15.8	16.0	15.6	17.4	16.6
90°	18.4	17.7	15.6	13.4	11.3	9.1	7.3	5.7	4.1	2.4	0.8
92.5°	19.9	18.9	17.2	15.6	14.0	12.4	11.9	12.3	12.8	13.3	13.7
95°	24.0	22.8	21.0	19.2	17.4	15.6	18.1	24.8	31.5	38.3	45.0
97.5°	25.1	23.8	35.5	47.3	59.1	70.9	78.3	81.3	84.4	87.4	90.3
100°	25.6	24.3	49.9	75.4	100.9	126.5	137.6	134.3	131.1	127.8	124.5
102.5°	44.4	48.4	76.3	104.2	132.2	160.1	172.9	170.5	168.1	165.8	163.4
105°	132.4	161.4	176.1	190.9	205.6	220.4	226.8	225.0	223.2	221.4	219.6
107.5°	274.6	295.8	293.4	291.2	288.8	286.4	284.6	283.1	281.7	280.3	278.8
110°	327.0	332.3	330.5	328.8	327.0	325.1	323.6	322.3	320.9	319.6	318.3



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.6	369.5	367.7	365.9	364.1	362.2	360.8	359.6	358.4	357.2	356.1
115°	424.6	423.0	421.5	420.0	418.6	417.1	415.8	414.9	413.9	412.9	411.9
117.5°	476.2	474.9	474.1	473.3	472.6	471.8	470.8	469.7	468.4	467.2	466.0
120°	509.7	508.4	507.9	507.5	507.0	506.5	505.5	504.0	502.6	501.1	499.6
122.5°	543.0	542.1	541.4	540.8	540.2	539.5	538.7	537.4	536.2	535.0	533.8
125°	589.8	589.5	588.8	588.1	587.6	586.9	585.9	584.6	583.2	581.9	580.7
127.5°	636.0	635.5	634.7	634.0	633.1	632.4	631.3	630.0	628.7	627.4	626.0
130°	663.8	663.2	662.5	661.9	661.2	660.5	659.6	658.3	657.0	655.6	654.3
132.5°	690.4	689.8	689.2	688.6	688.2	687.6	686.7	685.4	684.1	682.8	681.5
135°	730.8	730.3	729.6	729.0	728.3	727.6	726.8	725.9	724.8	723.9	722.8
137.5°	766.3	765.4	765.1	764.8	764.4	764.0	763.2	762.0	760.7	759.5	758.3
140°	789.1	788.4	788.0	787.5	787.0	786.5	785.8	784.8	783.8	782.8	781.8
142.5°	810.8	810.3	809.7	809.3	808.8	808.3	807.6	806.6	805.6	804.6	803.6
145°	841.1	840.7	840.5	840.1	839.8	839.4	838.8	837.5	836.4	835.3	834.2
147.5°	868.1	867.7	867.4	867.0	866.8	866.5	865.9	865.2	864.4	863.7	862.9
150°	884.6	884.3	883.9	883.6	883.3	883.0	882.5	882.0	881.6	881.1	880.5
152.5°	899.0	898.4	898.2	898.0	897.8	897.6	897.4	897.2	896.9	896.7	896.5
155°	919.0	918.1	917.9	917.8	917.7	917.5	917.6	917.9	918.2	918.6	918.9
157.5°	936.4	935.4	935.6	935.8	935.9	936.0	936.1	936.1	936.2	936.2	936.2
160°	946.4	945.4	945.6	945.7	945.9	946.0	946.2	946.4	946.6	946.7	946.9
162.5°	955.4	954.2	954.4	954.6	954.7	954.9	955.2	955.6	956.0	956.5	956.9
165°	967.3	966.0	966.2	966.4	966.6	966.7	967.0	967.5	968.0	968.5	969.0
167.5°	976.8	975.4	975.4	975.4	975.4	975.4	975.8	976.5	977.1	977.8	978.5
170°	982.1	980.8	980.8	980.8	980.8	980.8	981.1	981.8	982.4	983.1	983.7
172.5°	985.6	984.3	984.2	984.0	983.9	983.8	984.1	984.9	985.7	986.5	987.2
175°	990.0	988.9	988.7	988.5	988.4	988.3	988.5	989.4	990.2	991.0	991.8
177.5°	991.7	990.6	990.5	990.4	990.2	990.1	990.4	991.1	991.7	992.4	993.0
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P332342-830

CATALOG NUMBER: S123RDIP-S1000D805U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1506.6	1512.2	1519.4	1530.2	1538.4	1545.6	1547.1	1549.2	1554.3	1563.0	1569.7
5°	1516.4	1531.1	1554.8	1577.9	1603.0	1623.4	1642.7	1656.1	1669.0	1695.9	1717.8
7.5°	1513.3	1546.1	1583.3	1624.8	1666.7	1707.3	1745.1	1778.9	1812.4	1851.7	1896.5
10°	1511.2	1549.7	1599.7	1652.9	1711.4	1768.4	1823.6	1866.6	1916.6	1961.5	2018.5
12.5°	1501.5	1556.9	1616.6	1684.8	1756.5	1822.3	1894.9	1954.3	2011.6	2076.4	2142.8
15°	1488.7	1556.1	1631.8	1722.2	1831.3	1910.8	1985.2	2088.5	2159.1	2229.6	2324.6
17.5°	1465.6	1547.7	1642.3	1759.8	1850.8	1957.7	2069.6	2151.3	2246.3	2345.7	2431.7
20°	1447.1	1542.7	1648.5	1764.0	1880.0	1996.1	2104.5	2202.1	2300.2	2415.0	2485.6
22.5°	1428.6	1523.1	1633.0	1755.8	1880.6	2002.8	2125.5	2240.0	2350.4	2466.3	2556.4
25°	1389.3	1501.6	1620.9	1746.0	1869.2	2003.8	2150.0	2277.7	2414.3	2533.6	2618.9
27.5°	1349.5	1452.5	1571.2	1698.1	1835.0	1994.2	2166.2	2311.3	2448.3	2533.6	2560.5
30°	1313.6	1422.7	1531.7	1660.7	1808.8	1986.5	2169.4	2335.4	2447.7	2484.9	2457.3
32.5°	1277.2	1376.0	1484.0	1616.0	1773.4	1967.6	2173.4	2321.1	2388.7	2360.2	2248.0
35°	1213.0	1302.1	1406.7	1538.8	1719.7	1957.0	2156.5	2256.5	2239.9	2079.5	1867.8
37.5°	1144.2	1216.8	1313.6	1451.8	1664.0	1915.3	2083.6	2098.4	1954.1	1707.9	1463.4
40°	1089.8	1155.2	1254.6	1398.9	1620.9	1874.2	2010.3	1950.6	1726.7	1452.8	1248.9
42.5°	1036.9	1092.1	1187.9	1343.5	1579.9	1818.4	1900.9	1771.0	1512.8	1253.8	1068.3
45°	947.3	999.4	1095.5	1255.3	1495.8	1711.4	1700.4	1474.6	1216.2	1007.7	853.8
47.5°	862.4	907.9	998.2	1161.2	1397.1	1551.0	1449.0	1208.7	989.5	822.2	712.4
50°	802.4	847.3	937.2	1098.2	1318.1	1430.4	1284.8	1053.2	852.4	713.9	626.7
52.5°	745.0	788.8	870.9	1027.8	1222.7	1289.8	1133.4	918.8	751.4	631.8	556.9
55°	664.5	697.9	771.7	921.7	1067.3	1082.7	924.3	744.7	606.8	523.4	472.1
57.5°	582.6	611.2	684.2	803.7	905.8	897.9	747.6	592.3	499.5	437.4	400.3
60°	529.1	557.4	621.5	724.2	801.2	774.2	636.3	511.2	431.7	386.2	356.7
62.5°	479.4	501.4	561.5	636.4	691.8	661.3	543.9	440.5	377.3	338.9	315.6
65°	407.3	425.3	473.3	512.5	543.3	513.8	416.3	344.4	298.9	271.9	255.9
67.5°	338.8	350.2	380.6	394.7	416.4	384.1	313.0	264.9	239.0	216.3	205.1
70°	295.7	304.1	320.1	331.6	337.4	304.1	251.5	216.1	194.4	178.3	171.3
72.5°	252.6	260.0	263.2	272.6	269.7	238.4	202.2	174.1	158.4	147.5	138.5
75°	193.0	196.2	193.0	189.3	180.9	159.1	134.0	120.0	108.4	103.3	100.1
77.5°	140.7	139.7	135.3	129.3	115.1	101.3	87.8	83.1	78.1	75.4	74.3
80°	108.4	105.8	102.0	92.4	80.2	70.6	67.4	64.2	62.2	59.0	58.3
82.5°	80.7	79.2	72.8	64.7	56.1	51.6	48.9	47.7	45.8	44.1	44.0
85°	43.0	41.1	34.0	29.5	28.2	27.0	26.3	26.3	23.8	23.1	23.1
87.5°	14.3	11.6	11.4	10.2	10.6	10.0	10.9	10.3	10.2	10.8	10.0
90°	2.4	4.1	5.7	7.3	9.1	11.3	13.4	15.6	17.7	18.4	19.0
92.5°	13.3	12.8	12.3	11.9	12.4	14.0	15.6	17.2	18.9	19.9	20.9
95°	38.3	31.5	24.8	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.2
97.5°	87.4	84.4	81.3	78.3	70.9	59.1	47.3	35.5	23.8	25.1	26.4
100°	127.8	131.1	134.3	137.6	126.5	100.9	75.4	49.9	24.3	25.6	27.0
102.5°	165.8	168.1	170.5	172.9	160.1	132.2	104.2	76.3	48.4	44.4	40.3
105°	221.4	223.2	225.0	226.8	220.4	205.6	190.9	176.1	161.4	132.4	103.4
107.5°	280.3	281.7	283.1	284.6	286.4	288.8	291.2	293.4	295.8	274.6	253.3
110°	319.6	320.9	322.3	323.6	325.1	327.0	328.8	330.5	332.3	327.0	321.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	357.2	358.4	359.6	360.8	362.2	364.1	365.9	367.7	369.5	369.6	369.7
115°	412.9	413.9	414.9	415.8	417.1	418.6	420.0	421.5	423.0	424.6	426.2
117.5°	467.2	468.4	469.7	470.8	471.8	472.6	473.3	474.1	474.9	476.2	477.5
120°	501.1	502.6	504.0	505.5	506.5	507.0	507.5	507.9	508.4	509.7	511.0
122.5°	535.0	536.2	537.4	538.7	539.5	540.2	540.8	541.4	542.1	543.0	543.8
125°	581.9	583.2	584.6	585.9	586.9	587.6	588.1	588.8	589.5	589.8	590.1
127.5°	627.4	628.7	630.0	631.3	632.4	633.1	634.0	634.7	635.5	636.0	636.5
130°	655.6	657.0	658.3	659.6	660.5	661.2	661.9	662.5	663.2	663.8	664.5
132.5°	682.8	684.1	685.4	686.7	687.6	688.2	688.6	689.2	689.8	690.4	691.0
135°	723.9	724.8	725.9	726.8	727.6	728.3	729.0	729.6	730.3	730.8	731.2
137.5°	759.5	760.7	762.0	763.2	764.0	764.4	764.8	765.1	765.4	766.3	767.0
140°	782.8	783.8	784.8	785.8	786.5	787.0	787.5	788.0	788.4	789.1	789.8
142.5°	804.6	805.6	806.6	807.6	808.3	808.8	809.3	809.7	810.3	810.8	811.3
145°	835.3	836.4	837.5	838.8	839.4	839.8	840.1	840.5	840.7	841.1	841.4
147.5°	863.7	864.4	865.2	865.9	866.5	866.8	867.0	867.4	867.7	868.1	868.4
150°	881.1	881.6	882.0	882.5	883.0	883.3	883.6	883.9	884.3	884.6	884.9
152.5°	896.7	896.9	897.2	897.4	897.6	897.8	898.0	898.2	898.4	899.0	899.6
155°	918.6	918.2	917.9	917.6	917.5	917.7	917.8	917.9	918.1	919.0	919.8
157.5°	936.2	936.2	936.1	936.1	936.0	935.9	935.8	935.6	935.4	936.4	937.4
160°	946.7	946.6	946.4	946.2	946.0	945.9	945.7	945.6	945.4	946.4	947.3
162.5°	956.5	956.0	955.6	955.2	954.9	954.7	954.6	954.4	954.2	955.4	956.5
165°	968.5	968.0	967.5	967.0	966.7	966.6	966.4	966.2	966.0	967.3	968.7
167.5°	977.8	977.1	976.5	975.8	975.4	975.4	975.4	975.4	975.4	976.8	978.1
170°	983.1	982.4	981.8	981.1	980.8	980.8	980.8	980.8	980.8	982.1	983.4
172.5°	986.5	985.7	984.9	984.1	983.8	983.9	984.0	984.2	984.3	985.6	986.9
175°	991.0	990.2	989.4	988.5	988.3	988.4	988.5	988.7	988.9	990.0	991.2
177.5°	992.4	991.7	991.1	990.4	990.1	990.2	990.4	990.5	990.6	991.7	992.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4	1498.4
2.5°	1580.5	1580.5	1582.5	1590.3	1591.3	1597.9	1595.9
5°	1737.0	1749.2	1753.7	1772.9	1784.4	1789.6	1779.3
7.5°	1928.4	1962.8	1979.1	1999.2	2017.0	2022.4	2008.5
10°	2067.9	2103.8	2134.0	2152.7	2169.9	2181.5	2196.2
12.5°	2202.9	2247.0	2275.7	2302.0	2319.8	2334.4	2336.8
15°	2349.6	2416.3	2466.9	2504.1	2522.7	2532.3	2528.6
17.5°	2497.5	2559.3	2595.4	2633.4	2659.1	2660.4	2661.2
20°	2581.2	2641.4	2683.1	2711.3	2740.2	2738.9	2745.3
22.5°	2637.0	2684.5	2716.5	2737.0	2746.9	2742.0	2743.3
25°	2663.2	2677.3	2671.5	2638.8	2630.5	2600.4	2605.5
27.5°	2528.3	2461.5	2392.6	2303.8	2233.7	2177.7	2180.6
30°	2345.0	2227.0	2092.4	1979.4	1878.1	1849.9	1789.6
32.5°	2089.1	1911.9	1754.2	1649.0	1562.0	1538.4	1485.8
35°	1654.9	1483.0	1320.7	1223.2	1184.7	1130.9	1130.2
37.5°	1286.3	1134.9	1049.1	976.0	937.6	905.0	901.8
40°	1082.1	964.0	899.3	846.7	808.9	784.5	778.7
42.5°	939.4	844.0	783.3	750.7	721.6	709.1	699.6
45°	767.1	703.0	660.6	631.1	617.7	608.0	602.9
47.5°	641.7	598.7	569.9	550.3	539.3	529.1	531.9
50°	573.4	538.2	517.0	498.4	490.0	483.0	483.6
52.5°	518.5	486.8	469.8	456.3	445.9	440.9	438.5
55°	440.0	420.1	402.8	393.2	387.4	380.4	378.4
57.5°	375.3	360.0	345.8	335.0	333.6	326.8	327.6
60°	332.2	319.4	307.9	302.1	297.7	291.8	293.8
62.5°	296.9	286.1	275.6	270.8	266.4	262.1	263.0
65°	243.1	232.8	226.4	223.9	222.0	220.0	218.1
67.5°	193.7	187.5	183.4	178.0	174.0	173.3	171.4
70°	163.0	154.6	147.5	140.4	138.6	137.9	138.6
72.5°	130.6	125.4	123.4	120.0	119.6	117.9	119.0
75°	98.1	96.2	94.9	92.4	92.4	92.4	92.4
77.5°	72.4	71.2	70.4	69.9	69.3	68.3	68.2
80°	56.5	55.8	54.5	54.5	53.9	54.5	53.9
82.5°	42.6	42.5	41.2	41.2	40.5	40.2	40.5
85°	21.8	21.2	22.4	21.2	21.8	20.5	21.8
87.5°	10.1	10.2	9.8	9.9	9.4	10.6	9.5
90°	19.6	20.3	20.8	21.1	21.5	21.8	22.1
92.5°	22.0	23.1	23.7	23.8	24.0	24.2	24.5
95°	26.3	27.4	28.0	28.0	28.0	28.0	28.0
97.5°	27.6	28.9	29.7	29.9	30.1	30.2	30.3
100°	28.3	29.6	30.3	30.4	30.6	30.8	30.9
102.5°	36.3	32.2	30.3	30.6	30.9	31.2	31.6
105°	74.5	45.4	31.1	31.5	31.8	32.1	32.4
107.5°	232.1	210.8	189.2	167.4	145.5	123.7	101.8
110°	316.1	310.8	296.3	272.9	249.5	226.0	202.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.8	369.9	367.4	362.5	357.5	352.6	347.7
115°	427.9	429.5	430.6	431.3	432.0	432.6	433.3
117.5°	478.8	480.0	480.8	481.0	481.1	481.2	481.4
120°	512.4	513.7	514.3	514.3	514.3	514.3	514.3
122.5°	544.8	545.7	546.2	546.4	546.5	546.7	546.8
125°	590.5	590.8	591.2	591.4	591.8	592.1	592.5
127.5°	637.1	637.5	637.6	637.3	637.1	636.7	636.4
130°	665.2	665.8	666.0	665.6	665.3	665.0	664.7
132.5°	691.6	692.3	692.4	692.0	691.5	691.1	690.6
135°	731.7	732.2	732.2	731.7	731.2	730.8	730.3
137.5°	767.8	768.6	768.8	768.5	768.2	767.9	767.5
140°	790.4	791.1	791.3	790.9	790.6	790.2	789.9
142.5°	811.8	812.4	812.4	811.9	811.4	811.1	810.6
145°	841.8	842.1	842.3	842.3	842.3	842.3	842.3
147.5°	868.7	869.0	868.8	868.1	867.3	866.6	865.8
150°	885.2	885.5	885.5	885.0	884.5	884.0	883.5
152.5°	900.1	900.8	900.7	899.9	899.2	898.4	897.7
155°	920.6	921.4	921.3	920.4	919.4	918.4	917.4
157.5°	938.3	939.3	939.1	937.9	936.6	935.4	934.1
160°	948.4	949.3	949.2	948.1	947.0	945.8	944.7
162.5°	957.6	958.7	958.8	957.7	956.7	955.7	954.7
165°	970.0	971.3	971.4	970.3	969.0	967.9	966.8
167.5°	979.4	980.7	980.7	979.4	978.1	976.8	975.4
170°	984.7	986.0	986.0	984.7	983.4	982.1	980.8
172.5°	988.3	989.6	989.5	988.1	986.7	985.1	983.7
175°	992.3	993.4	993.3	992.1	990.8	989.5	988.2
177.5°	993.8	994.9	994.8	993.4	992.1	990.8	989.5
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8

(END OF REPORT)