

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: P332313-840

Luminaire Tested: **S123RDIP-S775D805U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332313-840  
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-S775D805U840-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

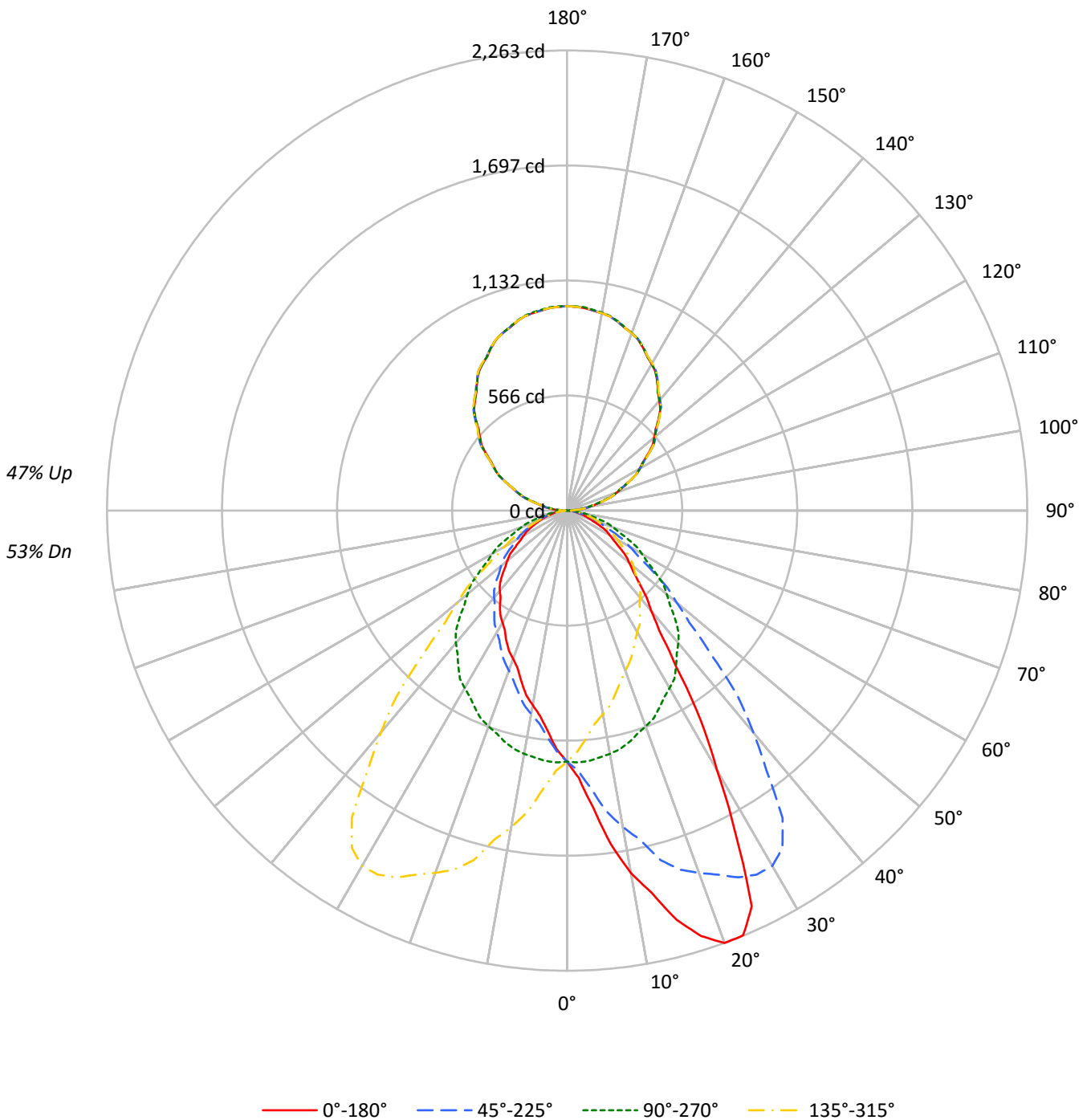
Lumens per Lamp: N/A  
Luminaire Lumens: 5862.9 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (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	100	100	100	100	85	85	85	71	71	71	58	58	58	53
1	99	95	91	88	92	88	85	82	75	73	71	63	62	60	53	52	51	45
2	91	84	78	73	84	78	73	68	67	63	60	56	54	51	47	45	43	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	38	34
4	76	66	58	52	70	61	55	50	53	48	44	45	41	38	38	35	33	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	40	60	50	43	38	43	38	34	37	33	30	32	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	27	29	26	23	21
8	56	44	36	31	52	41	34	30	36	31	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	27	33	28	24	29	25	22	25	21	19	17
10	49	37	30	25	45	35	28	24	31	25	22	27	22	20	23	20	17	15

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

	0°	90°	180°	270°
0°	13295	13295	13295	13295
5°	15847	13351	11757	13351
10°	19787	13274	10622	13274
15°	23226	13138	9686	13138
20°	25921	12936	8891	12936
25°	25508	12722	8402	12722
30°	18334	12525	7899	12525
35°	12242	12269	7573	12269
40°	9020	11960	7235	11960
45°	7566	11420	6905	11420
50°	6677	10712	6445	10712
55°	5853	9903	5814	9903
60°	5214	9128	5326	9128
65°	4579	8295	4956	8295
70°	3594	7553	4526	7553
75°	3165	6596	4134	6596
80°	2752	5604	4060	5604
85°	2223	4508	4310	4508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	2.1
10°-20°	379.5	6.5
20°-30°	596.1	10.2
30°-40°	621.9	10.6
40°-50°	532.3	9.1
50°-60°	405.7	6.9
60°-70°	260.0	4.4
70°-80°	125.1	2.1
80°-90°	36.1	0.6
90°-100°	65.5	1.1
100°-110°	196.0	3.3
110°-120°	333.3	5.7
120°-130°	438.5	7.5
130°-140°	492.8	8.4
140°-150°	484.4	8.3
150°-160°	407.8	7.0
160°-170°	271.5	4.6
170°-180°	95.1	1.6
0°-30°	1097.0	18.7
0°-40°	1719.0	29.3
0°-60°	2656.9	45.3
0°-90°	3078.1	52.5
90°-120°	594.8	10.1
90°-150°	2010.5	34.3
90°-180°	2785.0	47.5
0°-180°	5862.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1467	1236	1088	1236	1467	151
15°	2084	1179	869	1179	2084	591
25°	2148	1071	707	1071	2148	923
35°	932	934	576	934	932	611
45°	497	750	454	750	497	391
55°	312	528	310	528	312	282
65°	180	326	195	326	180	177
75°	76	159	99	159	76	82
85°	18	36	35	36	18	21
90°	24	1	24	1	24	12
95°	62	47	62	47	62	63
105°	188	178	188	178	188	199
115°	336	336	336	336	336	333
125°	486	491	486	491	486	434
135°	636	637	636	637	636	489
145°	773	773	773	773	773	482
155°	884	885	884	885	884	407
165°	961	964	961	964	961	271
175°	999	1003	999	1003	999	95
180°	1005	1005	1005	1005	1005	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1315.5	1317.2	1311.6	1310.8	1304.4	1302.7	1302.7	1293.8	1288.4	1281.2	1277.0
5°	1466.6	1475.1	1470.9	1461.4	1445.5	1441.8	1431.8	1415.9	1398.0	1375.7	1365.1
7.5°	1655.5	1667.1	1662.6	1647.9	1631.3	1617.9	1589.5	1563.2	1526.3	1493.9	1466.2
10°	1810.3	1798.2	1788.7	1774.3	1759.1	1734.1	1704.6	1663.9	1616.8	1579.8	1538.5
12.5°	1926.2	1924.2	1912.2	1897.4	1875.8	1852.2	1815.8	1766.3	1711.5	1658.1	1610.9
15°	2084.2	2087.4	2079.4	2064.1	2033.5	1991.7	1936.7	1916.0	1837.9	1779.7	1721.5
17.5°	2193.5	2192.9	2191.8	2170.6	2139.3	2109.6	2058.6	2004.4	1933.5	1851.6	1773.2
20°	2262.9	2257.7	2258.7	2234.8	2211.6	2177.3	2127.6	2048.8	1990.6	1896.0	1815.0
22.5°	2261.2	2260.2	2264.2	2256.0	2239.1	2212.8	2173.6	2107.2	2033.0	1937.4	1846.3
25°	2147.7	2143.4	2168.3	2175.1	2202.1	2206.9	2195.2	2158.8	2088.4	1990.0	1877.4
27.5°	1797.5	1795.1	1841.2	1899.0	1972.1	2029.0	2084.0	2110.5	2088.4	2018.0	1905.2
30°	1475.1	1524.8	1548.1	1631.6	1724.6	1835.7	1933.0	2025.5	2048.2	2017.6	1925.0
32.5°	1224.8	1268.1	1287.5	1359.2	1445.9	1576.0	1721.9	1852.9	1945.5	1968.9	1913.2
35°	931.6	932.1	976.5	1008.2	1088.6	1222.3	1364.1	1539.6	1714.0	1846.2	1860.0
37.5°	743.4	746.0	772.8	804.5	864.7	935.5	1060.3	1206.2	1407.8	1610.6	1729.6
40°	641.9	646.6	666.7	697.9	741.2	794.7	891.9	1029.5	1197.5	1423.3	1607.8
42.5°	576.7	584.4	594.8	618.8	645.7	695.7	774.4	880.5	1033.4	1246.9	1459.8
45°	497.0	501.2	509.2	520.3	544.6	579.5	632.4	703.7	830.6	1002.5	1215.5
47.5°	438.4	436.2	444.5	453.5	469.7	493.5	529.0	587.2	677.7	815.6	996.3
50°	398.7	398.1	403.9	410.8	426.2	443.6	472.7	516.5	588.4	702.7	868.2
52.5°	361.4	363.5	367.6	376.2	387.2	401.3	427.4	459.0	520.8	619.4	757.3
55°	311.9	313.6	319.3	324.1	332.0	346.3	362.7	389.1	431.4	500.2	613.8
57.5°	270.0	269.3	274.9	276.1	285.1	296.7	309.4	329.9	360.6	411.6	488.2
60°	242.2	240.5	245.3	249.0	253.8	263.3	273.9	294.0	318.3	355.8	421.4
62.5°	216.8	216.0	219.5	223.2	227.1	235.8	244.7	260.1	279.3	311.0	363.0
65°	179.8	181.4	182.9	184.5	186.6	191.9	200.4	211.0	224.2	246.4	283.9
67.5°	141.3	142.9	143.4	146.6	151.2	154.5	159.7	169.1	178.2	197.0	218.3
70°	114.2	113.7	114.2	115.8	121.6	127.4	134.3	141.2	146.9	160.2	178.1
72.5°	98.2	97.1	98.6	98.9	101.7	103.3	107.7	114.1	121.6	130.6	143.5
75°	76.1	76.1	76.1	76.1	78.3	79.3	80.9	82.5	85.1	89.4	98.9
77.5°	56.2	56.4	57.1	57.7	58.1	58.7	59.7	61.2	62.2	64.4	68.6
80°	44.4	44.9	44.4	44.9	44.9	45.9	46.6	48.1	48.7	51.3	52.9
82.5°	33.4	33.1	33.4	33.9	33.9	35.0	35.1	36.3	36.4	37.8	39.4
85°	18.0	17.0	18.0	17.5	18.5	17.5	18.0	19.0	19.0	19.6	21.7
87.5°	9.0	9.7	8.8	9.2	9.1	9.4	9.3	9.2	9.9	9.3	9.3
90°	23.7	23.3	23.0	22.6	22.3	21.7	21.0	20.4	19.7	19.0	16.7
92.5°	31.9	32.1	32.3	32.5	32.7	32.5	32.0	31.4	30.9	30.3	29.0
95°	61.6	61.6	61.6	61.6	61.6	61.2	60.5	59.8	59.2	58.5	57.1
97.5°	94.7	94.8	94.9	94.9	95.0	94.6	93.8	93.0	92.2	91.4	90.4
100°	120.0	119.7	119.3	119.0	118.7	118.2	117.6	117.1	116.6	116.0	115.2
102.5°	145.9	146.0	146.0	146.1	146.2	145.9	145.4	144.9	144.4	143.9	142.7
105°	187.9	187.5	187.2	186.8	186.5	186.3	186.3	186.3	186.3	186.3	184.8
107.5°	231.7	231.9	232.1	232.3	232.5	232.4	231.8	231.2	230.7	230.0	229.4
110°	261.4	261.7	262.1	262.4	262.8	262.6	261.9	261.2	260.4	259.7	259.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	293.0	293.0	293.1	293.2	293.2	292.9	292.0	291.1	290.3	289.4	289.4
115°	336.4	336.5	336.7	336.9	337.1	337.1	336.9	336.7	336.5	336.4	336.7
117.5°	380.4	380.9	381.4	381.9	382.3	382.6	382.6	382.7	382.7	382.7	383.2
120°	411.3	411.7	412.0	412.4	412.7	413.0	413.2	413.3	413.5	413.7	414.7
122.5°	441.0	441.5	442.0	442.5	443.0	443.5	443.9	444.4	444.8	445.4	445.8
125°	485.5	486.3	487.0	487.7	488.4	489.1	489.8	490.5	491.2	491.9	492.2
127.5°	530.0	530.8	531.6	532.4	533.2	534.1	535.0	536.0	537.0	538.0	538.4
130°	559.0	560.3	561.5	562.7	563.9	564.9	565.6	566.3	566.9	567.6	568.3
132.5°	589.4	590.3	591.2	592.2	593.1	594.0	594.8	595.7	596.5	597.3	597.7
135°	636.4	636.7	637.1	637.4	637.8	638.3	639.0	639.7	640.5	641.2	641.3
137.5°	677.9	678.6	679.2	679.9	680.5	681.3	682.1	682.8	683.5	684.2	683.8
140°	705.1	706.3	707.5	708.7	710.0	710.6	710.8	711.0	711.2	711.3	711.2
142.5°	732.9	733.8	734.8	735.7	736.7	737.2	737.4	737.6	737.7	737.9	737.6
145°	773.0	773.7	774.4	775.1	775.8	776.2	776.4	776.6	776.8	776.9	776.4
147.5°	808.7	809.7	810.7	811.8	812.8	813.4	813.4	813.4	813.4	813.4	812.9
150°	831.4	832.4	833.5	834.6	835.7	836.2	836.2	836.2	836.2	836.2	835.8
152.5°	853.5	854.4	855.4	856.3	857.2	857.5	857.2	856.9	856.7	856.4	856.2
155°	883.5	884.7	886.0	887.2	888.4	888.7	888.0	887.3	886.6	885.9	885.8
157.5°	910.8	911.8	912.8	913.8	914.7	914.8	914.1	913.4	912.7	911.9	911.8
160°	928.5	929.2	929.9	930.6	931.3	931.2	930.4	929.5	928.6	927.8	927.8
162.5°	941.8	942.9	944.0	945.1	946.2	946.4	945.5	944.6	943.7	942.9	942.7
165°	960.9	962.1	963.3	964.6	965.8	965.9	964.8	963.8	962.7	961.7	961.7
167.5°	977.1	978.3	979.4	980.4	981.5	981.5	980.4	979.4	978.3	977.1	977.0
170°	985.3	986.6	987.8	989.1	990.3	990.3	989.1	987.8	986.6	985.3	985.3
172.5°	991.7	992.9	994.1	995.3	996.6	996.6	995.6	994.5	993.4	992.3	992.3
175°	998.8	1000.0	1001.3	1002.5	1003.7	1003.8	1002.7	1001.7	1000.7	999.6	999.6
177.5°	1002.6	1003.6	1004.5	1005.5	1006.5	1006.5	1005.7	1004.9	1004.0	1003.2	1003.2
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1275.3	1273.9	1268.1	1261.3	1252.4	1246.5	1241.8	1239.3	1231.7	1222.3	1216.1
5°	1354.0	1338.2	1321.3	1300.6	1281.6	1262.0	1249.9	1235.6	1218.2	1198.6	1184.9
7.5°	1438.5	1407.3	1373.8	1339.3	1305.0	1274.4	1247.4	1224.2	1196.4	1168.3	1148.7
10°	1503.2	1457.6	1410.6	1362.5	1318.6	1277.4	1245.7	1214.5	1181.1	1148.9	1124.6
12.5°	1562.0	1502.1	1447.8	1388.8	1332.6	1283.3	1237.6	1200.9	1160.8	1126.5	1098.7
15°	1636.4	1575.1	1509.4	1419.6	1345.0	1282.6	1227.2	1179.0	1130.4	1088.1	1061.2
17.5°	1706.0	1613.7	1525.6	1450.6	1353.7	1275.8	1208.0	1150.4	1097.1	1052.3	1019.1
20°	1734.7	1645.4	1549.6	1454.0	1358.8	1271.5	1192.8	1129.3	1073.8	1023.1	992.4
22.5°	1752.0	1650.8	1550.0	1447.2	1346.2	1255.5	1177.6	1107.7	1047.6	999.4	961.5
25°	1772.2	1651.7	1540.7	1439.2	1336.1	1237.7	1145.2	1071.2	1006.1	954.8	914.6
27.5°	1785.5	1643.8	1512.6	1399.7	1295.2	1197.2	1112.4	1034.0	968.0	913.7	870.6
30°	1788.1	1637.4	1491.0	1368.9	1262.5	1172.7	1082.8	1007.7	938.0	880.3	840.1
32.5°	1791.5	1621.7	1461.8	1332.0	1223.2	1134.2	1052.8	981.1	909.6	852.8	811.8
35°	1777.6	1613.2	1417.4	1268.4	1159.4	1073.3	999.8	933.7	863.4	808.4	766.6
37.5°	1717.5	1578.7	1371.6	1196.7	1082.8	1003.0	943.1	885.4	821.0	761.6	722.4
40°	1657.0	1544.9	1336.1	1153.2	1034.2	952.2	898.3	851.2	788.8	733.4	691.1
42.5°	1566.9	1498.8	1302.2	1107.4	979.2	900.2	854.7	810.6	755.9	699.5	659.7
45°	1401.6	1410.6	1232.9	1034.7	903.0	823.7	780.9	750.2	701.7	655.1	614.4
47.5°	1194.4	1278.4	1151.7	957.2	822.7	748.3	710.9	684.2	651.4	605.7	568.6
50°	1059.0	1179.0	1086.5	905.1	772.4	698.4	661.5	639.7	611.2	575.2	539.8
52.5°	934.2	1063.2	1007.8	847.2	717.9	650.3	614.1	596.2	573.5	539.7	507.7
55°	761.8	892.5	879.8	759.7	636.0	575.2	547.8	527.7	512.3	487.0	461.6
57.5°	616.3	740.1	746.7	662.5	563.9	503.8	480.2	465.0	455.0	435.9	412.4
60°	524.5	638.1	660.4	596.9	512.3	459.5	436.2	424.0	416.1	400.8	382.8
62.5°	448.4	545.1	570.3	524.6	462.8	413.3	395.2	383.4	378.0	364.8	348.9
65°	343.2	423.5	447.8	422.4	390.2	350.5	335.8	325.7	320.9	313.6	301.8
67.5°	258.0	316.6	343.3	325.4	313.8	288.7	279.2	273.9	269.6	264.6	254.9
70°	207.2	250.6	278.1	273.4	263.9	250.6	243.8	240.0	235.8	231.6	223.1
72.5°	166.6	196.5	222.3	224.7	216.9	214.2	208.2	206.6	204.1	199.0	194.4
75°	110.5	131.1	149.1	155.9	159.2	161.8	159.2	158.6	158.0	153.9	151.2
77.5°	72.4	83.5	94.8	106.5	111.6	115.1	116.0	118.0	116.5	114.3	113.0
80°	55.5	58.2	66.0	76.1	84.0	87.3	89.4	90.4	89.9	89.4	87.3
82.5°	40.3	42.5	46.3	53.3	60.0	65.2	66.6	66.3	67.5	67.8	66.0
85°	21.7	22.2	23.2	24.3	28.0	33.8	35.4	36.5	37.6	37.6	34.3
87.5°	9.7	8.8	9.2	8.8	9.7	9.7	11.9	13.7	14.4	13.1	13.4
90°	14.3	12.1	9.8	7.8	6.1	4.3	2.5	0.8	2.5	4.3	6.1
92.5°	27.8	26.5	25.1	23.8	22.7	21.5	20.3	19.1	20.3	21.5	22.7
95°	55.6	54.2	52.8	51.5	50.3	49.1	47.8	46.6	47.8	49.1	50.3
97.5°	89.4	88.4	87.4	86.4	85.4	84.5	83.6	82.7	83.6	84.5	85.4
100°	114.3	113.4	112.6	111.6	110.6	109.5	108.5	107.3	108.5	109.5	110.6
102.5°	141.6	140.4	139.3	138.4	137.7	137.0	136.4	135.8	136.4	137.0	137.7
105°	183.2	181.6	180.1	179.0	178.7	178.3	178.0	177.6	178.0	178.3	178.7
107.5°	228.8	228.2	227.5	227.1	226.9	226.7	226.5	226.3	226.5	226.7	226.9
110°	259.0	258.7	258.3	258.0	257.6	257.3	256.9	256.6	256.9	257.3	257.6





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.3	289.2	289.1	289.0	288.8	288.6	288.4	288.2	288.4	288.6	288.8
115°	337.1	337.4	337.8	337.7	337.1	336.6	336.1	335.6	336.1	336.6	337.1
117.5°	383.6	384.2	384.6	384.7	384.3	384.0	383.6	383.2	383.6	384.0	384.3
120°	415.5	416.4	417.3	417.2	416.1	415.1	413.9	412.9	413.9	415.1	416.1
122.5°	446.3	446.7	447.2	447.0	446.2	445.5	444.6	443.9	444.6	445.5	446.2
125°	492.6	492.9	493.3	493.2	492.7	492.1	491.6	491.1	491.6	492.1	492.7
127.5°	538.8	539.2	539.6	539.2	538.1	536.9	535.8	534.7	535.8	536.9	538.1
130°	568.8	569.3	569.8	569.4	567.9	566.5	565.1	563.7	565.1	566.5	567.9
132.5°	598.1	598.5	599.0	598.4	597.0	595.6	594.2	592.8	594.2	595.6	597.0
135°	641.5	641.7	641.9	641.4	640.4	639.2	638.2	637.1	638.2	639.2	640.4
137.5°	683.3	682.9	682.4	681.8	680.9	679.9	679.1	678.2	679.1	679.9	680.9
140°	711.0	710.8	710.6	710.1	709.3	708.4	707.5	706.6	707.5	708.4	709.3
142.5°	737.3	737.0	736.7	736.1	735.2	734.3	733.5	732.6	733.5	734.3	735.2
145°	775.9	775.4	774.8	774.4	774.1	773.7	773.4	773.0	773.4	773.7	774.1
147.5°	812.4	811.9	811.4	810.9	810.2	809.6	809.0	808.4	809.0	809.6	810.2
150°	835.5	835.1	834.8	834.4	834.0	833.6	833.3	832.9	833.3	833.6	834.0
152.5°	856.0	855.8	855.6	855.2	854.6	854.1	853.6	853.2	853.6	854.1	854.6
155°	885.6	885.3	885.1	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0
157.5°	911.7	911.5	911.4	911.4	911.6	911.8	912.0	912.2	912.0	911.8	911.6
160°	927.8	927.8	927.8	927.9	928.3	928.6	929.0	929.3	929.0	928.6	928.3
162.5°	942.6	942.5	942.3	942.5	943.0	943.5	944.0	944.4	944.0	943.5	943.0
165°	961.7	961.7	961.7	961.9	962.5	963.0	963.5	964.0	963.5	963.0	962.5
167.5°	976.8	976.7	976.6	976.8	977.5	978.3	979.0	979.7	979.0	978.3	977.5
170°	985.3	985.3	985.3	985.7	986.4	987.1	987.8	988.6	987.8	987.1	986.4
172.5°	992.3	992.3	992.3	992.7	993.4	994.1	994.8	995.4	994.8	994.1	993.4
175°	999.6	999.6	999.6	1000.0	1000.7	1001.4	1002.0	1002.7	1002.0	1001.4	1000.7
177.5°	1003.2	1003.2	1003.2	1003.5	1004.0	1004.6	1005.2	1005.7	1005.2	1004.6	1004.0
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1214.0	1208.4	1204.7	1196.2	1190.6	1184.8	1178.8	1182.7	1182.2	1181.7	1181.7
5°	1173.3	1161.0	1149.9	1135.7	1126.7	1115.6	1107.1	1106.1	1108.2	1100.8	1096.5
7.5°	1132.9	1116.2	1100.4	1084.7	1068.0	1054.7	1046.3	1042.4	1037.0	1032.5	1027.7
10°	1104.5	1084.9	1069.5	1050.1	1032.1	1016.2	1006.1	999.3	995.5	991.9	985.0
12.5°	1075.3	1056.1	1036.6	1014.5	997.3	979.0	971.5	963.7	956.6	952.5	943.1
15°	1032.6	1007.7	987.1	963.8	944.8	926.9	916.3	900.9	898.8	893.5	884.0
17.5°	989.8	962.8	934.3	917.2	895.6	877.0	860.8	855.7	840.5	834.9	826.6
20°	955.9	931.1	909.4	886.7	855.5	838.0	825.4	818.5	806.3	798.9	793.6
22.5°	926.8	901.5	876.4	849.9	824.2	804.6	795.3	784.6	778.0	767.6	761.8
25°	885.0	857.6	827.5	798.9	780.4	765.6	750.7	741.2	731.7	727.0	716.4
27.5°	836.7	807.9	779.7	758.1	735.4	720.7	707.3	698.8	687.4	679.4	673.6
30°	810.0	776.2	751.8	732.3	703.2	689.4	679.4	668.8	660.4	651.9	646.1
32.5°	779.1	748.2	725.2	700.9	678.6	663.7	650.7	641.4	634.1	626.1	620.3
35°	730.6	704.8	681.0	656.6	640.3	624.9	609.7	601.7	594.8	587.4	582.1
37.5°	686.9	662.7	640.1	617.0	596.7	584.2	571.9	565.8	556.5	551.6	546.1
40°	659.8	636.0	611.7	589.6	568.4	558.9	547.8	538.8	530.3	526.6	520.8
42.5°	630.3	606.4	585.9	562.0	544.7	531.8	521.5	511.7	505.3	500.0	496.7
45°	586.3	565.2	545.1	521.3	504.9	493.8	482.2	473.2	467.4	463.7	457.9
47.5°	543.7	522.6	502.2	481.4	465.5	452.9	441.3	435.0	427.3	422.7	418.9
50°	512.8	493.8	472.1	453.1	437.3	424.5	415.1	407.1	400.2	394.5	391.8
52.5°	484.5	464.2	445.5	427.8	411.0	396.7	388.0	379.6	374.5	367.8	364.7
55°	437.8	418.2	402.3	384.9	368.5	356.4	345.8	338.4	333.1	325.7	321.4
57.5°	393.8	376.4	357.4	342.2	325.4	315.1	306.3	296.3	289.8	284.1	279.9
60°	364.3	344.2	327.8	313.6	298.7	285.5	277.6	269.6	262.8	256.9	253.3
62.5°	333.5	315.9	300.3	284.8	271.2	259.7	250.5	243.9	237.8	234.1	230.5
65°	286.0	272.3	256.4	243.8	231.1	222.6	215.2	209.3	205.1	202.5	199.3
67.5°	242.5	229.1	215.3	202.8	194.4	187.9	183.1	178.0	175.9	172.6	170.5
70°	214.1	200.4	188.2	178.7	170.3	165.5	162.3	158.6	156.5	152.3	150.2
72.5°	183.3	173.3	164.5	156.7	150.0	145.6	141.6	137.0	133.7	129.0	126.9
75°	144.3	135.3	128.5	123.2	119.0	113.1	107.3	102.6	101.0	99.4	98.9
77.5°	106.9	101.2	96.2	91.8	86.5	82.3	81.0	80.0	79.6	78.8	78.8
80°	84.0	78.8	75.0	69.8	66.7	66.7	66.7	65.5	66.0	66.0	66.0
82.5°	62.5	57.7	55.6	53.7	53.1	53.5	53.5	53.7	53.4	54.2	53.8
85°	32.2	32.8	33.8	33.3	33.8	33.8	34.9	34.3	34.9	33.8	34.9
87.5°	13.4	15.0	16.0	16.9	17.7	17.8	18.3	18.5	19.0	19.2	19.3
90°	7.8	9.8	12.1	14.3	16.7	19.0	19.7	20.4	21.0	21.7	22.3
92.5°	23.8	25.1	26.5	27.8	29.0	30.3	30.9	31.4	32.0	32.5	32.7
95°	51.5	52.8	54.2	55.6	57.1	58.5	59.2	59.8	60.5	61.2	61.6
97.5°	86.4	87.4	88.4	89.4	90.4	91.4	92.2	93.0	93.8	94.6	95.0
100°	111.6	112.6	113.4	114.3	115.2	116.0	116.6	117.1	117.6	118.2	118.7
102.5°	138.4	139.3	140.4	141.6	142.7	143.9	144.4	144.9	145.4	145.9	146.2
105°	179.0	180.1	181.6	183.2	184.8	186.3	186.3	186.3	186.3	186.3	186.5
107.5°	227.1	227.5	228.2	228.8	229.4	230.0	230.7	231.2	231.8	232.4	232.5
110°	258.0	258.3	258.7	259.0	259.4	259.7	260.4	261.2	261.9	262.6	262.8



TEST NUMBER: P332313-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.0	289.1	289.2	289.3	289.4	289.4	290.3	291.1	292.0	292.9	293.2
115°	337.7	337.8	337.4	337.1	336.7	336.4	336.5	336.7	336.9	337.1	337.1
117.5°	384.7	384.6	384.2	383.6	383.2	382.7	382.7	382.7	382.6	382.6	382.3
120°	417.2	417.3	416.4	415.5	414.7	413.7	413.5	413.3	413.2	413.0	412.7
122.5°	447.0	447.2	446.7	446.3	445.8	445.4	444.8	444.4	443.9	443.5	443.0
125°	493.2	493.3	492.9	492.6	492.2	491.9	491.2	490.5	489.8	489.1	488.4
127.5°	539.2	539.6	539.2	538.8	538.4	538.0	537.0	536.0	535.0	534.1	533.2
130°	569.4	569.8	569.3	568.8	568.3	567.6	566.9	566.3	565.6	564.9	563.9
132.5°	598.4	599.0	598.5	598.1	597.7	597.3	596.5	595.7	594.8	594.0	593.1
135°	641.4	641.9	641.7	641.5	641.3	641.2	640.5	639.7	639.0	638.3	637.8
137.5°	681.8	682.4	682.9	683.3	683.8	684.2	683.5	682.8	682.1	681.3	680.5
140°	710.1	710.6	710.8	711.0	711.2	711.3	711.2	711.0	710.8	710.6	710.0
142.5°	736.1	736.7	737.0	737.3	737.6	737.9	737.7	737.6	737.4	737.2	736.7
145°	774.4	774.8	775.4	775.9	776.4	776.9	776.8	776.6	776.4	776.2	775.8
147.5°	810.9	811.4	811.9	812.4	812.9	813.4	813.4	813.4	813.4	813.4	812.8
150°	834.4	834.8	835.1	835.5	835.8	836.2	836.2	836.2	836.2	836.2	835.7
152.5°	855.2	855.6	855.8	856.0	856.2	856.4	856.7	856.9	857.2	857.5	857.2
155°	885.0	885.1	885.3	885.6	885.8	885.9	886.6	887.3	888.0	888.7	888.4
157.5°	911.4	911.4	911.5	911.7	911.8	911.9	912.7	913.4	914.1	914.8	914.7
160°	927.9	927.8	927.8	927.8	927.8	927.8	928.6	929.5	930.4	931.2	931.3
162.5°	942.5	942.3	942.5	942.6	942.7	942.9	943.7	944.6	945.5	946.4	946.2
165°	961.9	961.7	961.7	961.7	961.7	961.7	962.7	963.8	964.8	965.9	965.8
167.5°	976.8	976.6	976.7	976.8	977.0	977.1	978.3	979.4	980.4	981.5	981.5
170°	985.7	985.3	985.3	985.3	985.3	985.3	986.6	987.8	989.1	990.3	990.3
172.5°	992.7	992.3	992.3	992.3	992.3	992.3	993.4	994.5	995.6	996.6	996.6
175°	1000.0	999.6	999.6	999.6	999.6	999.6	1000.7	1001.7	1002.7	1003.8	1003.7
177.5°	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.0	1004.9	1005.7	1006.5	1006.5
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



TEST NUMBER: P332313-840

CATALOG NUMBER: S123RDIP-S775D805U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1176.7	1176.3	1176.7	1175.0	1176.7	1176.3	1176.7	1181.7	1181.7	1182.2	1182.7
5°	1095.0	1094.4	1092.9	1088.1	1092.9	1094.4	1095.0	1096.5	1100.8	1108.2	1106.1
7.5°	1023.6	1022.9	1018.2	1018.3	1018.2	1022.9	1023.6	1027.7	1032.5	1037.0	1042.4
10°	981.3	981.8	975.5	971.8	975.5	981.8	981.3	985.0	991.9	995.5	999.3
12.5°	940.3	937.9	932.7	928.7	932.7	937.9	940.3	943.1	952.5	956.6	963.7
15°	886.2	880.8	868.2	869.2	868.2	880.8	886.2	884.0	893.5	898.8	900.9
17.5°	822.3	818.5	818.2	810.8	818.2	818.5	822.3	826.6	834.9	840.5	855.7
20°	785.2	782.5	783.6	776.2	783.6	782.5	785.2	793.6	798.9	806.3	818.5
22.5°	756.0	753.4	748.9	746.6	748.9	753.4	756.0	761.8	767.6	778.0	784.6
25°	713.3	709.0	704.8	707.4	704.8	709.0	713.3	716.4	727.0	731.7	741.2
27.5°	670.6	667.3	663.1	662.6	663.1	667.3	670.6	673.6	679.4	687.4	698.8
30°	643.5	640.3	638.1	635.5	638.1	640.3	643.5	646.1	651.9	660.4	668.8
32.5°	615.9	615.3	611.5	611.0	611.5	615.3	615.9	620.3	626.1	634.1	641.4
35°	580.0	576.8	575.7	576.3	575.7	576.8	580.0	582.1	587.4	594.8	601.7
37.5°	545.8	541.6	539.7	537.9	539.7	541.6	545.8	546.1	551.6	556.5	565.8
40°	521.3	517.1	516.0	514.9	516.0	517.1	521.3	520.8	526.6	530.3	538.8
42.5°	493.8	492.1	491.5	489.6	491.5	492.1	493.8	496.7	500.0	505.3	511.7
45°	456.3	455.8	452.6	453.6	452.6	455.8	456.3	457.9	463.7	467.4	473.2
47.5°	416.8	414.4	412.2	413.6	412.2	414.4	416.8	418.9	422.7	427.3	435.0
50°	389.7	388.6	383.8	384.9	383.8	388.6	389.7	391.8	394.5	400.2	407.1
52.5°	362.6	358.6	356.8	356.2	356.8	358.6	362.6	364.7	367.8	374.5	379.6
55°	317.8	313.0	310.8	309.8	310.8	313.0	317.8	321.4	325.7	333.1	338.4
57.5°	273.8	272.5	270.8	272.0	270.8	272.5	273.8	279.9	284.1	289.8	296.3
60°	247.9	247.9	247.9	247.4	247.9	247.9	247.9	253.3	256.9	262.8	269.6
62.5°	228.1	226.8	226.4	227.1	226.4	226.8	228.1	230.5	234.1	237.8	243.9
65°	197.7	197.2	195.1	194.6	195.1	197.2	197.7	199.3	202.5	205.1	209.3
67.5°	169.1	167.1	166.5	165.8	166.5	167.1	169.1	170.5	172.6	175.9	178.0
70°	147.5	146.4	143.3	143.8	143.3	146.4	147.5	150.2	152.3	156.5	158.6
72.5°	124.2	123.2	122.6	121.8	122.6	123.2	124.2	126.9	129.0	133.7	137.0
75°	98.4	97.9	97.3	99.4	97.3	97.9	98.4	98.9	99.4	101.0	102.6
77.5°	78.8	78.8	79.1	78.3	79.1	78.8	78.8	78.8	78.8	79.6	80.0
80°	66.0	66.0	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	65.5
82.5°	53.0	53.4	53.7	52.9	53.7	53.4	53.0	53.8	54.2	53.4	53.7
85°	34.9	34.3	35.4	34.9	35.4	34.3	34.9	34.9	33.8	34.9	34.3
87.5°	20.2	19.4	19.5	20.0	19.5	19.4	20.2	19.3	19.2	19.0	18.5
90°	22.6	23.0	23.3	23.7	23.3	23.0	22.6	22.3	21.7	21.0	20.4
92.5°	32.5	32.3	32.1	31.9	32.1	32.3	32.5	32.7	32.5	32.0	31.4
95°	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.2	60.5	59.8
97.5°	94.9	94.9	94.8	94.7	94.8	94.9	94.9	95.0	94.6	93.8	93.0
100°	119.0	119.3	119.7	120.0	119.7	119.3	119.0	118.7	118.2	117.6	117.1
102.5°	146.1	146.0	146.0	145.9	146.0	146.0	146.1	146.2	145.9	145.4	144.9
105°	186.8	187.2	187.5	187.9	187.5	187.2	186.8	186.5	186.3	186.3	186.3
107.5°	232.3	232.1	231.9	231.7	231.9	232.1	232.3	232.5	232.4	231.8	231.2
110°	262.4	262.1	261.7	261.4	261.7	262.1	262.4	262.8	262.6	261.9	261.2



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	293.2	293.1	293.0	293.0	293.0	293.1	293.2	293.2	292.9	292.0	291.1
115°	336.9	336.7	336.5	336.4	336.5	336.7	336.9	337.1	337.1	336.9	336.7
117.5°	381.9	381.4	380.9	380.4	380.9	381.4	381.9	382.3	382.6	382.6	382.7
120°	412.4	412.0	411.7	411.3	411.7	412.0	412.4	412.7	413.0	413.2	413.3
122.5°	442.5	442.0	441.5	441.0	441.5	442.0	442.5	443.0	443.5	443.9	444.4
125°	487.7	487.0	486.3	485.5	486.3	487.0	487.7	488.4	489.1	489.8	490.5
127.5°	532.4	531.6	530.8	530.0	530.8	531.6	532.4	533.2	534.1	535.0	536.0
130°	562.7	561.5	560.3	559.0	560.3	561.5	562.7	563.9	564.9	565.6	566.3
132.5°	592.2	591.2	590.3	589.4	590.3	591.2	592.2	593.1	594.0	594.8	595.7
135°	637.4	637.1	636.7	636.4	636.7	637.1	637.4	637.8	638.3	639.0	639.7
137.5°	679.9	679.2	678.6	677.9	678.6	679.2	679.9	680.5	681.3	682.1	682.8
140°	708.7	707.5	706.3	705.1	706.3	707.5	708.7	710.0	710.6	710.8	711.0
142.5°	735.7	734.8	733.8	732.9	733.8	734.8	735.7	736.7	737.2	737.4	737.6
145°	775.1	774.4	773.7	773.0	773.7	774.4	775.1	775.8	776.2	776.4	776.6
147.5°	811.8	810.7	809.7	808.7	809.7	810.7	811.8	812.8	813.4	813.4	813.4
150°	834.6	833.5	832.4	831.4	832.4	833.5	834.6	835.7	836.2	836.2	836.2
152.5°	856.3	855.4	854.4	853.5	854.4	855.4	856.3	857.2	857.5	857.2	856.9
155°	887.2	886.0	884.7	883.5	884.7	886.0	887.2	888.4	888.7	888.0	887.3
157.5°	913.8	912.8	911.8	910.8	911.8	912.8	913.8	914.7	914.8	914.1	913.4
160°	930.6	929.9	929.2	928.5	929.2	929.9	930.6	931.3	931.2	930.4	929.5
162.5°	945.1	944.0	942.9	941.8	942.9	944.0	945.1	946.2	946.4	945.5	944.6
165°	964.6	963.3	962.1	960.9	962.1	963.3	964.6	965.8	965.9	964.8	963.8
167.5°	980.4	979.4	978.3	977.1	978.3	979.4	980.4	981.5	981.5	980.4	979.4
170°	989.1	987.8	986.6	985.3	986.6	987.8	989.1	990.3	990.3	989.1	987.8
172.5°	995.3	994.1	992.9	991.7	992.9	994.1	995.3	996.6	996.6	995.6	994.5
175°	1002.5	1001.3	1000.0	998.8	1000.0	1001.3	1002.5	1003.7	1003.8	1002.7	1001.7
177.5°	1005.5	1004.5	1003.6	1002.6	1003.6	1004.5	1005.5	1006.5	1006.5	1005.7	1004.9
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



TEST NUMBER: P332313-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1178.8	1184.8	1190.6	1196.2	1204.7	1208.4	1214.0	1216.1	1222.3	1231.7	1239.3
5°	1107.1	1115.6	1126.7	1135.7	1149.9	1161.0	1173.3	1184.9	1198.6	1218.2	1235.6
7.5°	1046.3	1054.7	1068.0	1084.7	1100.4	1116.2	1132.9	1148.7	1168.3	1196.4	1224.2
10°	1006.1	1016.2	1032.1	1050.1	1069.5	1084.9	1104.5	1124.6	1148.9	1181.1	1214.5
12.5°	971.5	979.0	997.3	1014.5	1036.6	1056.1	1075.3	1098.7	1126.5	1160.8	1200.9
15°	916.3	926.9	944.8	963.8	987.1	1007.7	1032.6	1061.2	1088.1	1130.4	1179.0
17.5°	860.8	877.0	895.6	917.2	934.3	962.8	989.8	1019.1	1052.3	1097.1	1150.4
20°	825.4	838.0	855.5	886.7	909.4	931.1	955.9	992.4	1023.1	1073.8	1129.3
22.5°	795.3	804.6	824.2	849.9	876.4	901.5	926.8	961.5	999.4	1047.6	1107.7
25°	750.7	765.6	780.4	798.9	827.5	857.6	885.0	914.6	954.8	1006.1	1071.2
27.5°	707.3	720.7	735.4	758.1	779.7	807.9	836.7	870.6	913.7	968.0	1034.0
30°	679.4	689.4	703.2	732.3	751.8	776.2	810.0	840.1	880.3	938.0	1007.7
32.5°	650.7	663.7	678.6	700.9	725.2	748.2	779.1	811.8	852.8	909.6	981.1
35°	609.7	624.9	640.3	656.6	681.0	704.8	730.6	766.6	808.4	863.4	933.7
37.5°	571.9	584.2	596.7	617.0	640.1	662.7	686.9	722.4	761.6	821.0	885.4
40°	547.8	558.9	568.4	589.6	611.7	636.0	659.8	691.1	733.4	788.8	851.2
42.5°	521.5	531.8	544.7	562.0	585.9	606.4	630.3	659.7	699.5	755.9	810.6
45°	482.2	493.8	504.9	521.3	545.1	565.2	586.3	614.4	655.1	701.7	750.2
47.5°	441.3	452.9	465.5	481.4	502.2	522.6	543.7	568.6	605.7	651.4	684.2
50°	415.1	424.5	437.3	453.1	472.1	493.8	512.8	539.8	575.2	611.2	639.7
52.5°	388.0	396.7	411.0	427.8	445.5	464.2	484.5	507.7	539.7	573.5	596.2
55°	345.8	356.4	368.5	384.9	402.3	418.2	437.8	461.6	487.0	512.3	527.7
57.5°	306.3	315.1	325.4	342.2	357.4	376.4	393.8	412.4	435.9	455.0	465.0
60°	277.6	285.5	298.7	313.6	327.8	344.2	364.3	382.8	400.8	416.1	424.0
62.5°	250.5	259.7	271.2	284.8	300.3	315.9	333.5	348.9	364.8	378.0	383.4
65°	215.2	222.6	231.1	243.8	256.4	272.3	286.0	301.8	313.6	320.9	325.7
67.5°	183.1	187.9	194.4	202.8	215.3	229.1	242.5	254.9	264.6	269.6	273.9
70°	162.3	165.5	170.3	178.7	188.2	200.4	214.1	223.1	231.6	235.8	240.0
72.5°	141.6	145.6	150.0	156.7	164.5	173.3	183.3	194.4	199.0	204.1	206.6
75°	107.3	113.1	119.0	123.2	128.5	135.3	144.3	151.2	153.9	158.0	158.6
77.5°	81.0	82.3	86.5	91.8	96.2	101.2	106.9	113.0	114.3	116.5	118.0
80°	66.7	66.7	66.7	69.8	75.0	78.8	84.0	87.3	89.4	89.9	90.4
82.5°	53.5	53.5	53.1	53.7	55.6	57.7	62.5	66.0	67.8	67.5	66.3
85°	34.9	33.8	33.8	33.3	33.8	32.8	32.2	34.3	37.6	37.6	36.5
87.5°	18.3	17.8	17.7	16.9	16.0	15.0	13.4	13.4	13.1	14.4	13.7
90°	19.7	19.0	16.7	14.3	12.1	9.8	7.8	6.1	4.3	2.5	0.8
92.5°	30.9	30.3	29.0	27.8	26.5	25.1	23.8	22.7	21.5	20.3	19.1
95°	59.2	58.5	57.1	55.6	54.2	52.8	51.5	50.3	49.1	47.8	46.6
97.5°	92.2	91.4	90.4	89.4	88.4	87.4	86.4	85.4	84.5	83.6	82.7
100°	116.6	116.0	115.2	114.3	113.4	112.6	111.6	110.6	109.5	108.5	107.3
102.5°	144.4	143.9	142.7	141.6	140.4	139.3	138.4	137.7	137.0	136.4	135.8
105°	186.3	186.3	184.8	183.2	181.6	180.1	179.0	178.7	178.3	178.0	177.6
107.5°	230.7	230.0	229.4	228.8	228.2	227.5	227.1	226.9	226.7	226.5	226.3
110°	260.4	259.7	259.4	259.0	258.7	258.3	258.0	257.6	257.3	256.9	256.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	290.3	289.4	289.4	289.3	289.2	289.1	289.0	288.8	288.6	288.4	288.2
115°	336.5	336.4	336.7	337.1	337.4	337.8	337.7	337.1	336.6	336.1	335.6
117.5°	382.7	382.7	383.2	383.6	384.2	384.6	384.7	384.3	384.0	383.6	383.2
120°	413.5	413.7	414.7	415.5	416.4	417.3	417.2	416.1	415.1	413.9	412.9
122.5°	444.8	445.4	445.8	446.3	446.7	447.2	447.0	446.2	445.5	444.6	443.9
125°	491.2	491.9	492.2	492.6	492.9	493.3	493.2	492.7	492.1	491.6	491.1
127.5°	537.0	538.0	538.4	538.8	539.2	539.6	539.2	538.1	536.9	535.8	534.7
130°	566.9	567.6	568.3	568.8	569.3	569.8	569.4	567.9	566.5	565.1	563.7
132.5°	596.5	597.3	597.7	598.1	598.5	599.0	598.4	597.0	595.6	594.2	592.8
135°	640.5	641.2	641.3	641.5	641.7	641.9	641.4	640.4	639.2	638.2	637.1
137.5°	683.5	684.2	683.8	683.3	682.9	682.4	681.8	680.9	679.9	679.1	678.2
140°	711.2	711.3	711.2	711.0	710.8	710.6	710.1	709.3	708.4	707.5	706.6
142.5°	737.7	737.9	737.6	737.3	737.0	736.7	736.1	735.2	734.3	733.5	732.6
145°	776.8	776.9	776.4	775.9	775.4	774.8	774.4	774.1	773.7	773.4	773.0
147.5°	813.4	813.4	812.9	812.4	811.9	811.4	810.9	810.2	809.6	809.0	808.4
150°	836.2	836.2	835.8	835.5	835.1	834.8	834.4	834.0	833.6	833.3	832.9
152.5°	856.7	856.4	856.2	856.0	855.8	855.6	855.2	854.6	854.1	853.6	853.2
155°	886.6	885.9	885.8	885.6	885.3	885.1	885.0	885.0	885.0	885.0	885.0
157.5°	912.7	911.9	911.8	911.7	911.5	911.4	911.4	911.6	911.8	912.0	912.2
160°	928.6	927.8	927.8	927.8	927.8	927.8	927.9	928.3	928.6	929.0	929.3
162.5°	943.7	942.9	942.7	942.6	942.5	942.3	942.5	943.0	943.5	944.0	944.4
165°	962.7	961.7	961.7	961.7	961.7	961.7	961.9	962.5	963.0	963.5	964.0
167.5°	978.3	977.1	977.0	976.8	976.7	976.6	976.8	977.5	978.3	979.0	979.7
170°	986.6	985.3	985.3	985.3	985.3	985.3	985.7	986.4	987.1	987.8	988.6
172.5°	993.4	992.3	992.3	992.3	992.3	992.3	992.7	993.4	994.1	994.8	995.4
175°	1000.7	999.6	999.6	999.6	999.6	999.6	1000.0	1000.7	1001.4	1002.0	1002.7
177.5°	1004.0	1003.2	1003.2	1003.2	1003.2	1003.2	1003.5	1004.0	1004.6	1005.2	1005.7
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



TEST NUMBER: P332313-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1241.8	1246.5	1252.4	1261.3	1268.1	1273.9	1275.3	1277.0	1281.2	1288.4	1293.8
5°	1249.9	1262.0	1281.6	1300.6	1321.3	1338.2	1354.0	1365.1	1375.7	1398.0	1415.9
7.5°	1247.4	1274.4	1305.0	1339.3	1373.8	1407.3	1438.5	1466.2	1493.9	1526.3	1563.2
10°	1245.7	1277.4	1318.6	1362.5	1410.6	1457.6	1503.2	1538.5	1579.8	1616.8	1663.9
12.5°	1237.6	1283.3	1332.6	1388.8	1447.8	1502.1	1562.0	1610.9	1658.1	1711.5	1766.3
15°	1227.2	1282.6	1345.0	1419.6	1509.4	1575.1	1636.4	1721.5	1779.7	1837.9	1916.0
17.5°	1208.0	1275.8	1353.7	1450.6	1525.6	1613.7	1706.0	1773.2	1851.6	1933.5	2004.4
20°	1192.8	1271.5	1358.8	1454.0	1549.6	1645.4	1734.7	1815.0	1896.0	1990.6	2048.8
22.5°	1177.6	1255.5	1346.2	1447.2	1550.0	1650.8	1752.0	1846.3	1937.4	2033.0	2107.2
25°	1145.2	1237.7	1336.1	1439.2	1540.7	1651.7	1772.2	1877.4	1990.0	2088.4	2158.8
27.5°	1112.4	1197.2	1295.2	1399.7	1512.6	1643.8	1785.5	1905.2	2018.0	2088.4	2110.5
30°	1082.8	1172.7	1262.5	1368.9	1491.0	1637.4	1788.1	1925.0	2017.6	2048.2	2025.5
32.5°	1052.8	1134.2	1223.2	1332.0	1461.8	1621.7	1791.5	1913.2	1968.9	1945.5	1852.9
35°	999.8	1073.3	1159.4	1268.4	1417.4	1613.2	1777.6	1860.0	1846.2	1714.0	1539.6
37.5°	943.1	1003.0	1082.8	1196.7	1371.6	1578.7	1717.5	1729.6	1610.6	1407.8	1206.2
40°	898.3	952.2	1034.2	1153.2	1336.1	1544.9	1657.0	1607.8	1423.3	1197.5	1029.5
42.5°	854.7	900.2	979.2	1107.4	1302.2	1498.8	1566.9	1459.8	1246.9	1033.4	880.5
45°	780.9	823.7	903.0	1034.7	1232.9	1410.6	1401.6	1215.5	1002.5	830.6	703.7
47.5°	710.9	748.3	822.7	957.2	1151.7	1278.4	1194.4	996.3	815.6	677.7	587.2
50°	661.5	698.4	772.4	905.1	1086.5	1179.0	1059.0	868.2	702.7	588.4	516.5
52.5°	614.1	650.3	717.9	847.2	1007.8	1063.2	934.2	757.3	619.4	520.8	459.0
55°	547.8	575.2	636.0	759.7	879.8	892.5	761.8	613.8	500.2	431.4	389.1
57.5°	480.2	503.8	563.9	662.5	746.7	740.1	616.3	488.2	411.6	360.6	329.9
60°	436.2	459.5	512.3	596.9	660.4	638.1	524.5	421.4	355.8	318.3	294.0
62.5°	395.2	413.3	462.8	524.6	570.3	545.1	448.4	363.0	311.0	279.3	260.1
65°	335.8	350.5	390.2	422.4	447.8	423.5	343.2	283.9	246.4	224.2	211.0
67.5°	279.2	288.7	313.8	325.4	343.3	316.6	258.0	218.3	197.0	178.2	169.1
70°	243.8	250.6	263.9	273.4	278.1	250.6	207.2	178.1	160.2	146.9	141.2
72.5°	208.2	214.2	216.9	224.7	222.3	196.5	166.6	143.5	130.6	121.6	114.1
75°	159.2	161.8	159.2	155.9	149.1	131.1	110.5	98.9	89.4	85.1	82.5
77.5°	116.0	115.1	111.6	106.5	94.8	83.5	72.4	68.6	64.4	62.2	61.2
80°	89.4	87.3	84.0	76.1	66.0	58.2	55.5	52.9	51.3	48.7	48.1
82.5°	66.6	65.2	60.0	53.3	46.3	42.5	40.3	39.4	37.8	36.4	36.3
85°	35.4	33.8	28.0	24.3	23.2	22.2	21.7	21.7	19.6	19.0	19.0
87.5°	11.9	9.7	9.7	8.8	9.2	8.8	9.7	9.3	9.3	9.9	9.2
90°	2.5	4.3	6.1	7.8	9.8	12.1	14.3	16.7	19.0	19.7	20.4
92.5°	20.3	21.5	22.7	23.8	25.1	26.5	27.8	29.0	30.3	30.9	31.4
95°	47.8	49.1	50.3	51.5	52.8	54.2	55.6	57.1	58.5	59.2	59.8
97.5°	83.6	84.5	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.2	93.0
100°	108.5	109.5	110.6	111.6	112.6	113.4	114.3	115.2	116.0	116.6	117.1
102.5°	136.4	137.0	137.7	138.4	139.3	140.4	141.6	142.7	143.9	144.4	144.9
105°	178.0	178.3	178.7	179.0	180.1	181.6	183.2	184.8	186.3	186.3	186.3
107.5°	226.5	226.7	226.9	227.1	227.5	228.2	228.8	229.4	230.0	230.7	231.2
110°	256.9	257.3	257.6	258.0	258.3	258.7	259.0	259.4	259.7	260.4	261.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	288.4	288.6	288.8	289.0	289.1	289.2	289.3	289.4	289.4	290.3	291.1
115°	336.1	336.6	337.1	337.7	337.8	337.4	337.1	336.7	336.4	336.5	336.7
117.5°	383.6	384.0	384.3	384.7	384.6	384.2	383.6	383.2	382.7	382.7	382.7
120°	413.9	415.1	416.1	417.2	417.3	416.4	415.5	414.7	413.7	413.5	413.3
122.5°	444.6	445.5	446.2	447.0	447.2	446.7	446.3	445.8	445.4	444.8	444.4
125°	491.6	492.1	492.7	493.2	493.3	492.9	492.6	492.2	491.9	491.2	490.5
127.5°	535.8	536.9	538.1	539.2	539.6	539.2	538.8	538.4	538.0	537.0	536.0
130°	565.1	566.5	567.9	569.4	569.8	569.3	568.8	568.3	567.6	566.9	566.3
132.5°	594.2	595.6	597.0	598.4	599.0	598.5	598.1	597.7	597.3	596.5	595.7
135°	638.2	639.2	640.4	641.4	641.9	641.7	641.5	641.3	641.2	640.5	639.7
137.5°	679.1	679.9	680.9	681.8	682.4	682.9	683.3	683.8	684.2	683.5	682.8
140°	707.5	708.4	709.3	710.1	710.6	710.8	711.0	711.2	711.3	711.2	711.0
142.5°	733.5	734.3	735.2	736.1	736.7	737.0	737.3	737.6	737.9	737.7	737.6
145°	773.4	773.7	774.1	774.4	774.8	775.4	775.9	776.4	776.9	776.8	776.6
147.5°	809.0	809.6	810.2	810.9	811.4	811.9	812.4	812.9	813.4	813.4	813.4
150°	833.3	833.6	834.0	834.4	834.8	835.1	835.5	835.8	836.2	836.2	836.2
152.5°	853.6	854.1	854.6	855.2	855.6	855.8	856.0	856.2	856.4	856.7	856.9
155°	885.0	885.0	885.0	885.0	885.1	885.3	885.6	885.8	885.9	886.6	887.3
157.5°	912.0	911.8	911.6	911.4	911.4	911.5	911.7	911.8	911.9	912.7	913.4
160°	929.0	928.6	928.3	927.9	927.8	927.8	927.8	927.8	927.8	928.6	929.5
162.5°	944.0	943.5	943.0	942.5	942.3	942.5	942.6	942.7	942.9	943.7	944.6
165°	963.5	963.0	962.5	961.9	961.7	961.7	961.7	961.7	961.7	962.7	963.8
167.5°	979.0	978.3	977.5	976.8	976.6	976.7	976.8	977.0	977.1	978.3	979.4
170°	987.8	987.1	986.4	985.7	985.3	985.3	985.3	985.3	985.3	986.6	987.8
172.5°	994.8	994.1	993.4	992.7	992.3	992.3	992.3	992.3	992.3	993.4	994.5
175°	1002.0	1001.4	1000.7	1000.0	999.6	999.6	999.6	999.6	999.6	1000.7	1001.7
177.5°	1005.2	1004.6	1004.0	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.0	1004.9
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1302.7	1302.7	1304.4	1310.8	1311.6	1317.2	1315.5
5°	1431.8	1441.8	1445.5	1461.4	1470.9	1475.1	1466.6
7.5°	1589.5	1617.9	1631.3	1647.9	1662.6	1667.1	1655.5
10°	1704.6	1734.1	1759.1	1774.3	1788.7	1798.2	1810.3
12.5°	1815.8	1852.2	1875.8	1897.4	1912.2	1924.2	1926.2
15°	1936.7	1991.7	2033.5	2064.1	2079.4	2087.4	2084.2
17.5°	2058.6	2109.6	2139.3	2170.6	2191.8	2192.9	2193.5
20°	2127.6	2177.3	2211.6	2234.8	2258.7	2257.7	2262.9
22.5°	2173.6	2212.8	2239.1	2256.0	2264.2	2260.2	2261.2
25°	2195.2	2206.9	2202.1	2175.1	2168.3	2143.4	2147.7
27.5°	2084.0	2029.0	1972.1	1899.0	1841.2	1795.1	1797.5
30°	1933.0	1835.7	1724.6	1631.6	1548.1	1524.8	1475.1
32.5°	1721.9	1576.0	1445.9	1359.2	1287.5	1268.1	1224.8
35°	1364.1	1222.3	1088.6	1008.2	976.5	932.1	931.6
37.5°	1060.3	935.5	864.7	804.5	772.8	746.0	743.4
40°	891.9	794.7	741.2	697.9	666.7	646.6	641.9
42.5°	774.4	695.7	645.7	618.8	594.8	584.4	576.7
45°	632.4	579.5	544.6	520.3	509.2	501.2	497.0
47.5°	529.0	493.5	469.7	453.5	444.5	436.2	438.4
50°	472.7	443.6	426.2	410.8	403.9	398.1	398.7
52.5°	427.4	401.3	387.2	376.2	367.6	363.5	361.4
55°	362.7	346.3	332.0	324.1	319.3	313.6	311.9
57.5°	309.4	296.7	285.1	276.1	274.9	269.3	270.0
60°	273.9	263.3	253.8	249.0	245.3	240.5	242.2
62.5°	244.7	235.8	227.1	223.2	219.5	216.0	216.8
65°	200.4	191.9	186.6	184.5	182.9	181.4	179.8
67.5°	159.7	154.5	151.2	146.6	143.4	142.9	141.3
70°	134.3	127.4	121.6	115.8	114.2	113.7	114.2
72.5°	107.7	103.3	101.7	98.9	98.6	97.1	98.2
75°	80.9	79.3	78.3	76.1	76.1	76.1	76.1
77.5°	59.7	58.7	58.1	57.7	57.1	56.4	56.2
80°	46.6	45.9	44.9	44.9	44.4	44.9	44.4
82.5°	35.1	35.0	33.9	33.9	33.4	33.1	33.4
85°	18.0	17.5	18.5	17.5	18.0	17.0	18.0
87.5°	9.3	9.4	9.1	9.2	8.8	9.7	9.0
90°	21.0	21.7	22.3	22.6	23.0	23.3	23.7
92.5°	32.0	32.5	32.7	32.5	32.3	32.1	31.9
95°	60.5	61.2	61.6	61.6	61.6	61.6	61.6
97.5°	93.8	94.6	95.0	94.9	94.9	94.8	94.7
100°	117.6	118.2	118.7	119.0	119.3	119.7	120.0
102.5°	145.4	145.9	146.2	146.1	146.0	146.0	145.9
105°	186.3	186.3	186.5	186.8	187.2	187.5	187.9
107.5°	231.8	232.4	232.5	232.3	232.1	231.9	231.7
110°	261.9	262.6	262.8	262.4	262.1	261.7	261.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.0	292.9	293.2	293.2	293.1	293.0	293.0
115°	336.9	337.1	337.1	336.9	336.7	336.5	336.4
117.5°	382.6	382.6	382.3	381.9	381.4	380.9	380.4
120°	413.2	413.0	412.7	412.4	412.0	411.7	411.3
122.5°	443.9	443.5	443.0	442.5	442.0	441.5	441.0
125°	489.8	489.1	488.4	487.7	487.0	486.3	485.5
127.5°	535.0	534.1	533.2	532.4	531.6	530.8	530.0
130°	565.6	564.9	563.9	562.7	561.5	560.3	559.0
132.5°	594.8	594.0	593.1	592.2	591.2	590.3	589.4
135°	639.0	638.3	637.8	637.4	637.1	636.7	636.4
137.5°	682.1	681.3	680.5	679.9	679.2	678.6	677.9
140°	710.8	710.6	710.0	708.7	707.5	706.3	705.1
142.5°	737.4	737.2	736.7	735.7	734.8	733.8	732.9
145°	776.4	776.2	775.8	775.1	774.4	773.7	773.0
147.5°	813.4	813.4	812.8	811.8	810.7	809.7	808.7
150°	836.2	836.2	835.7	834.6	833.5	832.4	831.4
152.5°	857.2	857.5	857.2	856.3	855.4	854.4	853.5
155°	888.0	888.7	888.4	887.2	886.0	884.7	883.5
157.5°	914.1	914.8	914.7	913.8	912.8	911.8	910.8
160°	930.4	931.2	931.3	930.6	929.9	929.2	928.5
162.5°	945.5	946.4	946.2	945.1	944.0	942.9	941.8
165°	964.8	965.9	965.8	964.6	963.3	962.1	960.9
167.5°	980.4	981.5	981.5	980.4	979.4	978.3	977.1
170°	989.1	990.3	990.3	989.1	987.8	986.6	985.3
172.5°	995.6	996.6	996.6	995.3	994.1	992.9	991.7
175°	1002.7	1003.8	1003.7	1002.5	1001.3	1000.0	998.8
177.5°	1005.7	1006.5	1006.5	1005.5	1004.5	1003.6	1002.6
180°	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1	1005.1

(END OF REPORT)