

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: P332326-940

Luminaire Tested: **S123RDIP-S775D1195U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332326-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1195U940-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6569.9 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

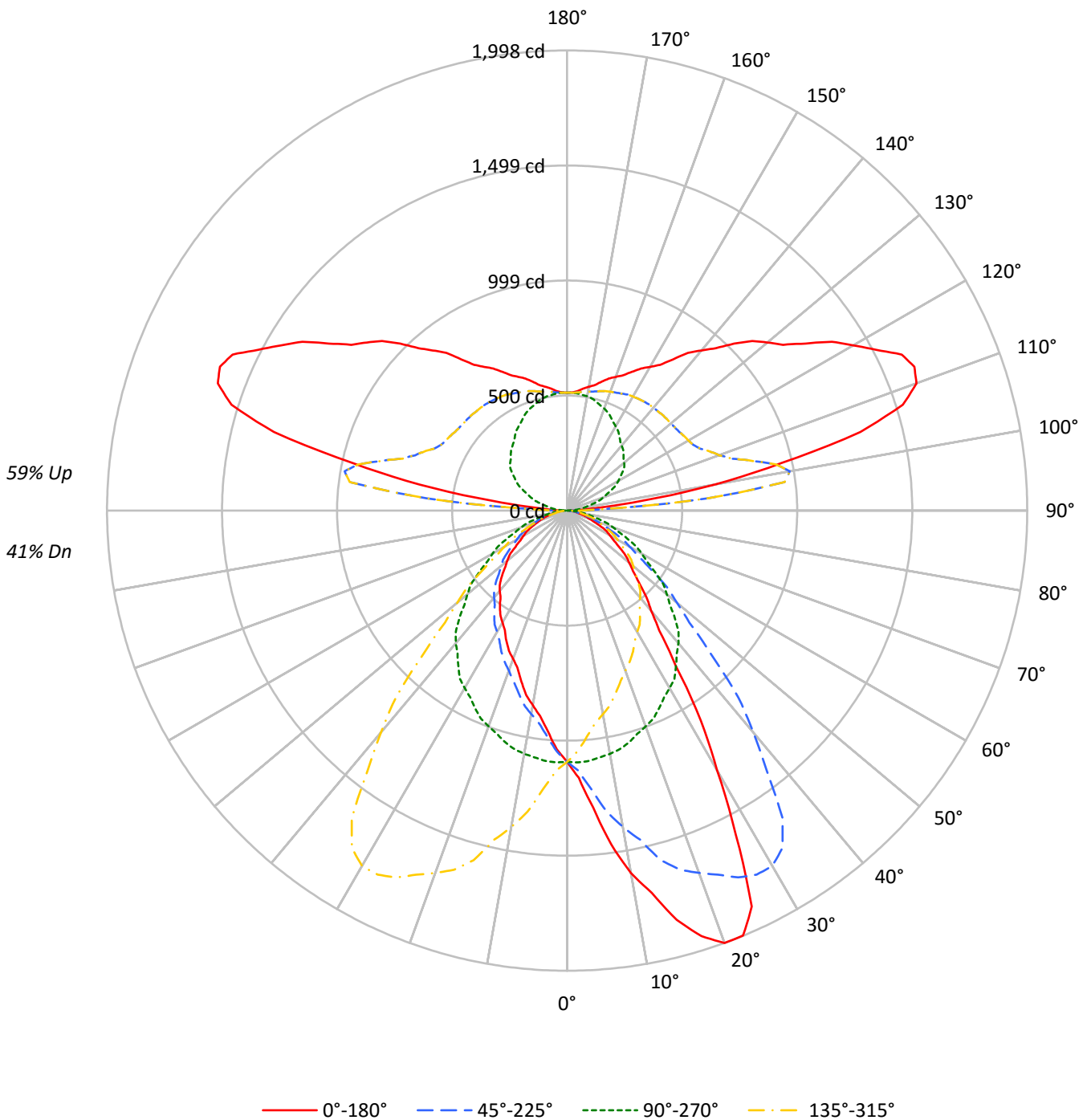
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	89	85	88	84	81	78	70	67	65	56	54	53	43	42	42	36
2	88	81	75	70	80	74	69	65	61	58	55	50	47	45	39	37	36	31
3	81	72	65	59	73	66	60	55	55	50	47	44	41	39	35	33	31	27
4	74	64	56	50	67	59	52	47	49	44	40	40	36	34	31	29	27	23
5	68	57	49	43	62	52	46	41	44	39	35	36	32	29	28	26	24	20
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	35	29	49	39	32	28	33	28	24	27	23	21	22	19	17	15
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13
10	47	35	28	24	43	33	26	22	28	23	19	23	19	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11739	11739	11739	11739
5°	13993	11788	10381	11788
10°	17472	11721	9379	11721
15°	20508	11602	8553	11602
20°	22888	11423	7851	11423
25°	22523	11233	7418	11233
30°	16189	11059	6975	11059
35°	10809	10834	6687	10834
40°	7964	10561	6389	10561
45°	6680	10085	6098	10085
50°	5894	9460	5690	9460
55°	5168	8743	5134	8743
60°	4603	8060	4704	8060
65°	4042	7325	4376	7325
70°	3175	6672	3997	6672
75°	2795	5827	3647	5827
80°	2430	4947	3589	4947
85°	1964	3977	3816	3977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.6
10°-20°	335.1	5.1
20°-30°	526.4	8.0
30°-40°	549.2	8.4
40°-50°	470.0	7.2
50°-60°	358.2	5.5
60°-70°	229.6	3.5
70°-80°	110.5	1.7
80°-90°	33.2	0.5
90°-100°	284.8	4.3
100°-110°	806.5	12.3
110°-120°	793.4	12.1
120°-130°	632.8	9.6
130°-140°	498.9	7.6
140°-150°	372.4	5.7
150°-160°	259.6	4.0
160°-170°	152.5	2.3
170°-180°	49.6	0.8
0°-30°	968.7	14.7
0°-40°	1517.9	23.1
0°-60°	2346.1	35.7
0°-90°	2719.3	41.4
90°-120°	1884.7	28.7
90°-150°	3388.9	51.6
90°-180°	3851.0	58.6
0°-180°	6569.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1295	1091	961	1091	1295	134
15°	1840	1041	768	1041	1840	522
25°	1896	946	625	946	1896	815
35°	823	824	509	824	823	539
45°	439	662	401	662	439	345
55°	275	466	274	466	275	249
65°	159	288	172	288	159	156
75°	67	140	88	140	67	72
85°	16	32	31	32	16	19
90°	30	2	30	2	30	16
95°	120	35	120	35	120	217
105°	1318	120	1318	120	1318	1300
115°	1603	212	1603	212	1603	1557
125°	1264	295	1264	295	1264	1145
135°	1025	346	1025	346	1025	795
145°	801	395	801	395	801	509
155°	664	449	664	449	664	310
165°	579	490	579	490	579	166
175°	521	511	521	511	521	51
180°	512	512	512	512	512	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1161.5	1163.1	1158.2	1157.4	1151.8	1150.3	1150.3	1142.5	1137.6	1131.3	1127.6
5°	1295.0	1302.5	1298.8	1290.4	1276.4	1273.1	1264.3	1250.3	1234.4	1214.8	1205.4
7.5°	1461.8	1472.0	1468.1	1455.1	1440.5	1428.6	1403.6	1380.3	1347.7	1319.1	1294.7
10°	1598.5	1587.8	1579.4	1566.7	1553.3	1531.2	1505.1	1469.2	1427.6	1395.0	1358.5
12.5°	1700.8	1699.1	1688.5	1675.4	1656.4	1635.5	1603.4	1559.6	1511.3	1464.1	1422.5
15°	1840.3	1843.2	1836.1	1822.6	1795.5	1758.6	1710.1	1691.8	1622.8	1571.5	1520.1
17.5°	1936.9	1936.4	1935.4	1916.6	1889.0	1862.8	1817.8	1769.9	1707.3	1635.0	1565.8
20°	1998.1	1993.5	1994.4	1973.4	1952.8	1922.5	1878.7	1809.1	1757.7	1674.2	1602.7
22.5°	1996.6	1995.7	1999.3	1992.1	1977.1	1953.9	1919.3	1860.6	1795.1	1710.7	1630.3
25°	1896.4	1892.7	1914.6	1920.7	1944.5	1948.7	1938.4	1906.2	1844.1	1757.2	1657.8
27.5°	1587.2	1585.1	1625.8	1676.8	1741.3	1791.6	1840.1	1863.6	1844.1	1781.9	1682.3
30°	1302.5	1346.4	1367.0	1440.7	1522.9	1621.0	1706.8	1788.5	1808.6	1781.5	1699.8
32.5°	1081.5	1119.7	1136.8	1200.2	1276.8	1391.6	1520.5	1636.1	1717.9	1738.6	1689.3
35°	822.6	823.0	862.3	890.3	961.3	1079.3	1204.5	1359.5	1513.5	1630.2	1642.4
37.5°	656.4	658.7	682.4	710.3	763.6	826.1	936.2	1065.1	1243.0	1422.2	1527.2
40°	566.8	571.0	588.7	616.3	654.5	701.7	787.6	909.0	1057.4	1256.8	1419.7
42.5°	509.3	516.0	525.2	546.4	570.2	614.3	683.8	777.5	912.5	1101.0	1289.0
45°	438.8	442.6	449.6	459.4	480.9	511.7	558.4	621.3	733.4	885.2	1073.3
47.5°	387.1	385.1	392.5	400.5	414.7	435.8	467.1	518.5	598.4	720.1	879.8
50°	352.0	351.5	356.7	362.7	376.3	391.7	417.4	456.1	519.6	620.5	766.6
52.5°	319.1	320.9	324.6	332.2	341.9	354.4	377.4	405.3	459.9	546.9	668.7
55°	275.4	276.9	282.0	286.1	293.2	305.8	320.3	343.6	380.9	441.7	542.0
57.5°	238.4	237.8	242.7	243.8	251.7	262.0	273.2	291.3	318.4	363.5	431.1
60°	213.8	212.4	216.6	219.9	224.1	232.5	241.8	259.6	281.1	314.1	372.1
62.5°	191.5	190.7	193.9	197.1	200.5	208.2	216.1	229.7	246.6	274.6	320.6
65°	158.7	160.2	161.5	162.9	164.8	169.4	176.9	186.3	198.0	217.6	250.7
67.5°	124.8	126.2	126.6	129.5	133.5	136.4	141.0	149.3	157.4	174.0	192.8
70°	100.9	100.4	100.9	102.3	107.4	112.5	118.6	124.7	129.7	141.4	157.3
72.5°	86.7	85.8	87.0	87.3	89.8	91.2	95.1	100.8	107.4	115.3	126.7
75°	67.2	67.2	67.2	67.2	69.1	70.0	71.4	72.9	75.2	78.9	87.3
77.5°	49.7	49.8	50.4	50.9	51.3	51.8	52.7	54.0	54.9	56.9	60.5
80°	39.2	39.7	39.2	39.7	39.7	40.6	41.1	42.4	43.0	45.3	46.7
82.5°	29.5	29.2	29.5	30.0	30.0	30.9	31.0	32.0	32.1	33.3	34.8
85°	15.9	15.0	15.9	15.4	16.3	15.4	15.9	16.8	16.8	17.3	19.2
87.5°	9.7	10.7	9.7	9.9	10.1	10.1	9.9	9.6	10.2	10.1	9.8
90°	30.1	31.1	30.1	29.0	30.1	28.0	26.9	25.9	24.9	25.9	22.8
92.5°	49.9	51.8	50.7	53.9	55.7	61.1	69.2	87.2	120.2	159.3	175.3
95°	120.2	124.3	131.6	140.9	160.6	197.9	252.8	373.0	498.3	614.4	547.1
97.5°	327.2	336.1	364.1	410.7	487.1	611.1	744.7	929.7	1018.6	952.1	697.1
100°	649.6	648.5	688.9	764.6	869.2	1016.4	1137.6	1221.5	1185.3	981.1	663.1
102.5°	953.0	976.8	1010.6	1070.4	1151.8	1245.1	1315.7	1318.5	1193.5	927.3	613.3
105°	1317.9	1323.0	1356.2	1395.5	1443.2	1470.2	1450.5	1346.8	1130.3	832.9	552.2
107.5°	1527.9	1537.5	1548.6	1561.9	1561.1	1524.2	1433.4	1265.2	1019.7	749.7	513.3
110°	1614.2	1616.2	1618.3	1610.0	1581.0	1508.5	1378.0	1187.3	950.0	702.4	498.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1631.6	1631.1	1623.3	1597.6	1544.5	1451.3	1305.0	1110.2	889.6	670.9	490.1
115°	1602.8	1597.6	1576.8	1531.2	1453.6	1340.6	1188.3	1008.1	816.4	637.1	487.0
117.5°	1511.2	1504.1	1474.3	1422.1	1341.0	1226.5	1089.7	934.1	772.2	617.2	488.8
120°	1434.9	1428.7	1403.8	1345.8	1264.0	1159.3	1035.0	895.1	749.0	608.1	492.1
122.5°	1363.6	1355.8	1328.4	1276.2	1203.5	1106.3	991.0	864.4	730.0	602.4	497.9
125°	1264.0	1256.7	1230.8	1185.3	1118.9	1036.0	936.6	823.7	705.5	594.7	506.6
127.5°	1181.9	1175.3	1151.8	1112.9	1053.8	978.4	888.7	788.0	684.0	590.9	516.6
130°	1135.5	1127.2	1105.5	1068.2	1013.3	942.8	858.9	765.6	672.3	588.4	523.2
132.5°	1089.9	1084.1	1064.8	1027.5	976.0	908.8	830.7	744.9	661.6	587.6	528.2
135°	1024.7	1017.4	998.7	967.7	916.9	857.8	790.5	716.9	647.6	586.4	535.7
137.5°	955.6	950.8	935.1	903.7	860.9	809.8	751.7	691.4	635.3	584.1	540.6
140°	907.6	908.6	892.1	863.0	823.7	779.1	729.3	676.5	627.9	583.3	543.9
142.5°	862.8	863.8	848.9	823.2	789.7	750.9	707.8	662.5	621.2	581.7	546.4
145°	800.8	798.8	790.5	768.7	742.8	712.8	679.7	645.4	612.3	579.2	548.0
147.5°	749.8	749.0	741.2	726.5	706.8	685.5	658.7	631.6	603.6	575.2	548.0
150°	720.1	720.1	713.8	702.4	686.9	667.2	645.4	621.6	597.8	571.9	548.0
152.5°	695.2	695.2	691.4	680.9	668.7	652.3	633.0	612.5	591.2	567.8	545.5
155°	664.1	663.1	661.0	652.7	643.4	631.0	615.4	598.8	581.2	560.5	542.9
157.5°	635.7	635.9	634.3	628.0	619.9	610.2	598.2	584.3	570.0	554.1	539.4
160°	617.5	618.5	618.5	612.3	605.0	597.8	587.5	576.0	562.6	549.1	537.7
162.5°	600.9	601.9	601.9	596.6	591.7	585.3	575.9	566.1	555.1	544.1	534.4
165°	579.2	579.2	580.1	576.0	571.9	566.7	559.5	553.2	544.9	536.6	529.4
167.5°	558.4	558.4	559.5	556.5	554.7	551.0	546.8	542.1	535.2	529.2	524.4
170°	546.0	546.0	547.1	544.9	543.9	541.8	537.7	534.6	529.4	524.2	521.1
172.5°	534.4	535.2	537.1	535.0	534.8	533.6	530.2	528.0	523.6	520.0	518.6
175°	521.1	522.2	523.2	522.2	522.2	522.2	520.0	519.1	517.0	514.9	514.9
177.5°	513.4	513.4	515.1	514.2	515.1	515.1	514.2	513.4	512.6	511.8	512.6
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1126.1	1124.9	1119.7	1113.7	1105.9	1100.6	1096.5	1094.3	1087.6	1079.3	1073.8
5°	1195.6	1181.6	1166.7	1148.4	1131.7	1114.4	1103.7	1091.0	1075.7	1058.4	1046.2
7.5°	1270.2	1242.7	1213.1	1182.6	1152.4	1125.3	1101.4	1080.9	1056.4	1031.6	1014.3
10°	1327.3	1287.1	1245.5	1203.1	1164.3	1127.9	1099.9	1072.4	1042.9	1014.5	993.0
12.5°	1379.2	1326.3	1278.4	1226.3	1176.7	1133.2	1092.8	1060.4	1025.0	994.7	970.2
15°	1444.9	1390.8	1332.8	1253.5	1187.7	1132.6	1083.6	1041.1	998.2	960.8	937.0
17.5°	1506.4	1424.9	1347.1	1280.9	1195.3	1126.5	1066.7	1015.8	968.8	929.2	899.8
20°	1531.8	1452.9	1368.3	1283.9	1199.8	1122.8	1053.2	997.2	948.2	903.4	876.3
22.5°	1547.0	1457.7	1368.7	1277.9	1188.7	1108.6	1039.8	978.1	925.1	882.4	849.0
25°	1564.9	1458.5	1360.4	1270.8	1179.7	1092.9	1011.2	945.8	888.4	843.1	807.6
27.5°	1576.6	1451.4	1335.6	1235.9	1143.6	1057.1	982.2	913.0	854.7	806.8	768.7
30°	1578.9	1445.8	1316.5	1208.7	1114.8	1035.5	956.1	889.8	828.2	777.3	741.8
32.5°	1581.9	1432.0	1290.8	1176.2	1080.1	1001.5	929.6	866.3	803.2	753.0	716.8
35°	1569.6	1424.4	1251.6	1120.0	1023.8	947.7	882.8	824.5	762.4	713.8	676.9
37.5°	1516.5	1394.0	1211.1	1056.7	956.1	885.6	832.8	781.9	725.0	672.5	637.8
40°	1463.1	1364.1	1179.7	1018.2	913.2	840.8	793.2	751.6	696.5	647.6	610.2
42.5°	1383.6	1323.5	1149.9	977.9	864.6	794.9	754.7	715.8	667.4	617.7	582.6
45°	1237.6	1245.5	1088.7	913.6	797.4	727.4	689.6	662.5	619.6	578.5	542.5
47.5°	1054.6	1128.8	1016.9	845.2	726.5	660.8	627.8	604.1	575.2	534.8	502.0
50°	935.1	1041.1	959.4	799.2	682.1	616.7	584.1	564.9	539.7	507.9	476.6
52.5°	824.9	938.8	889.9	748.1	633.9	574.2	542.2	526.5	506.4	476.5	448.3
55°	672.7	788.1	776.9	670.8	561.6	507.9	483.7	465.9	452.4	430.0	407.6
57.5°	544.2	653.5	659.3	585.0	497.9	444.9	424.0	410.6	401.8	384.9	364.2
60°	463.2	563.5	583.1	527.1	452.4	405.7	385.1	374.4	367.4	353.9	338.0
62.5°	395.9	481.3	503.5	463.2	408.7	365.0	348.9	338.6	333.8	322.1	308.1
65°	303.0	374.0	395.4	373.0	344.6	309.5	296.5	287.6	283.4	276.9	266.5
67.5°	227.8	279.6	303.1	287.3	277.1	254.9	246.6	241.8	238.1	233.6	225.1
70°	183.0	221.3	245.6	241.4	233.0	221.3	215.3	212.0	208.2	204.5	197.0
72.5°	147.1	173.5	196.3	198.4	191.5	189.1	183.9	182.4	180.2	175.8	171.7
75°	97.6	115.7	131.6	137.7	140.5	142.9	140.5	140.1	139.6	135.9	133.5
77.5°	63.9	73.7	83.7	94.1	98.5	101.7	102.5	104.2	102.9	100.9	99.8
80°	49.0	51.4	58.3	67.2	74.2	77.0	78.9	79.8	79.4	78.9	77.0
82.5°	35.6	37.5	40.8	47.1	53.0	57.6	58.8	58.6	59.6	59.8	58.3
85°	19.2	19.6	20.5	21.5	24.7	29.9	31.3	32.2	33.2	33.2	30.3
87.5°	9.9	8.9	9.0	8.6	9.4	9.1	10.9	12.4	13.2	12.0	12.7
90°	19.7	16.6	13.5	11.4	9.4	6.2	4.1	2.1	4.1	6.2	9.4
92.5°	131.6	87.0	59.9	44.6	35.8	27.7	19.1	12.8	19.1	27.7	35.8
95°	377.1	222.7	134.6	94.3	67.3	49.8	38.3	35.2	38.3	49.8	67.3
97.5°	413.8	239.8	155.6	111.9	85.3	70.0	61.1	60.1	61.1	70.0	85.3
100°	390.6	237.3	164.7	124.3	99.4	85.0	77.7	76.7	77.7	85.0	99.4
102.5°	370.7	240.6	175.5	138.4	116.0	102.4	95.9	94.1	95.9	102.4	116.0
105°	356.4	249.7	193.8	161.6	142.0	129.5	123.3	120.2	123.3	129.5	142.0
107.5°	355.3	266.7	217.6	187.7	169.2	157.0	151.1	147.9	151.1	157.0	169.2
110°	359.5	280.8	234.2	205.1	187.5	176.1	170.9	167.8	170.9	176.1	187.5



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	367.8	294.9	251.6	223.4	205.7	194.4	189.2	186.1	189.2	194.4	205.7
115°	381.3	318.1	278.7	250.7	233.1	222.7	216.5	212.4	216.5	222.7	233.1
117.5°	399.0	342.7	303.8	277.9	258.2	248.6	243.4	238.7	243.4	248.6	258.2
120°	412.3	358.5	321.2	295.2	275.6	265.2	260.0	256.9	260.0	265.2	275.6
122.5°	424.8	375.1	338.6	311.0	292.1	281.0	275.8	272.7	275.8	281.0	292.1
125°	444.4	398.9	362.6	334.7	315.0	303.5	297.4	295.2	297.4	303.5	315.0
127.5°	460.7	419.5	384.6	356.6	334.8	323.2	315.6	312.5	315.6	323.2	334.8
130°	471.4	432.0	397.8	369.9	348.1	335.6	326.4	323.2	326.4	335.6	348.1
132.5°	481.3	442.8	409.5	382.3	360.5	345.6	335.5	331.5	335.5	345.6	360.5
135°	494.2	459.0	426.9	398.9	377.1	361.6	350.2	346.1	350.2	361.6	377.1
137.5°	503.7	470.1	439.3	413.4	391.8	375.2	364.1	359.7	364.1	375.2	391.8
140°	508.7	477.6	447.5	421.7	400.9	384.3	374.0	368.8	374.0	384.3	400.9
142.5°	513.6	483.4	454.2	430.0	409.2	394.3	383.2	378.8	383.2	394.3	409.2
145°	519.1	491.1	464.1	440.3	422.7	407.2	397.8	394.8	397.8	407.2	422.7
147.5°	522.4	497.3	472.6	452.4	435.3	421.9	412.8	410.9	412.8	421.9	435.3
150°	523.2	501.4	477.6	459.0	444.4	431.0	422.7	421.7	422.7	431.0	444.4
152.5°	524.9	503.9	483.4	465.6	452.7	441.0	432.7	432.5	432.7	441.0	452.7
155°	525.3	508.7	491.1	476.5	465.2	454.9	448.6	448.6	448.6	454.9	465.2
157.5°	526.3	511.4	497.3	486.1	476.4	467.3	462.3	461.5	462.3	467.3	476.4
160°	526.3	513.9	501.4	491.1	483.8	475.5	471.4	471.4	471.4	475.5	483.8
162.5°	525.5	514.7	503.9	495.3	488.8	482.1	478.8	478.8	478.8	482.1	488.8
165°	523.2	515.9	507.7	500.4	496.2	491.1	489.0	490.1	489.0	491.1	496.2
167.5°	521.6	515.8	509.7	505.2	502.3	498.3	497.3	498.6	497.3	498.3	502.3
170°	519.1	514.9	509.7	507.7	505.6	502.5	501.4	503.5	501.4	502.5	505.6
172.5°	518.3	514.9	510.6	509.3	508.1	505.8	505.6	506.8	505.6	505.8	508.1
175°	515.9	513.9	511.8	510.8	510.8	508.7	509.7	510.8	509.7	508.7	510.8
177.5°	514.2	512.6	511.8	511.8	511.8	511.0	511.8	512.6	511.8	511.0	511.8
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1071.9	1067.0	1063.7	1056.2	1051.3	1046.2	1040.9	1044.3	1043.9	1043.5	1043.5
5°	1036.0	1025.2	1015.4	1002.8	994.9	985.1	977.6	976.7	978.6	972.0	968.2
7.5°	1000.3	985.6	971.7	957.8	943.1	931.3	923.9	920.4	915.7	911.7	907.5
10°	975.3	958.0	944.4	927.2	911.3	897.3	888.4	882.3	879.0	875.8	869.8
12.5°	949.5	932.6	915.3	895.8	880.7	864.4	857.8	851.0	844.7	841.1	832.8
15°	911.8	889.8	871.6	851.0	834.3	818.4	809.0	795.5	793.6	789.0	780.6
17.5°	874.0	850.2	825.0	809.9	790.9	774.4	760.1	755.5	742.2	737.2	729.9
20°	844.1	822.2	803.0	782.9	755.4	739.9	728.8	722.7	711.9	705.4	700.7
22.5°	818.3	796.0	773.8	750.5	727.7	710.4	702.2	692.8	687.0	677.8	672.7
25°	781.5	757.2	730.7	705.4	689.1	676.0	662.9	654.5	646.1	641.9	632.6
27.5°	738.8	713.4	688.5	669.4	649.3	636.4	624.6	617.1	607.0	599.9	594.8
30°	715.2	685.4	663.9	646.6	620.9	608.8	599.9	590.6	583.1	575.6	570.5
32.5°	688.0	660.7	640.3	618.9	599.2	586.0	574.5	566.3	559.9	552.9	547.7
35°	645.2	622.3	601.3	579.8	565.3	551.8	538.3	531.3	525.2	518.7	514.0
37.5°	606.5	585.1	565.2	544.8	526.9	515.9	505.0	499.6	491.4	487.1	482.2
40°	582.6	561.6	540.1	520.6	501.9	493.5	483.7	475.7	468.2	465.0	459.9
42.5°	556.5	535.5	517.4	496.2	481.0	469.6	460.5	451.8	446.2	441.5	438.5
45°	517.7	499.1	481.3	460.3	445.9	436.0	425.8	417.9	412.7	409.5	404.3
47.5°	480.1	461.5	443.4	425.1	411.1	399.9	389.7	384.1	377.3	373.3	369.9
50°	452.8	436.0	416.9	400.1	386.1	374.9	366.5	359.4	353.4	348.3	346.0
52.5°	427.8	409.9	393.3	377.7	362.9	350.3	342.6	335.2	330.6	324.8	322.0
55°	386.6	369.3	355.3	339.8	325.4	314.7	305.3	298.8	294.1	287.6	283.8
57.5°	347.8	332.3	315.6	302.2	287.3	278.2	270.5	261.6	255.9	250.8	247.2
60°	321.6	303.9	289.4	276.9	263.8	252.1	245.1	238.1	232.0	226.9	223.6
62.5°	294.4	278.9	265.2	251.5	239.5	229.3	221.2	215.3	210.0	206.7	203.5
65°	252.5	240.4	226.4	215.3	204.0	196.5	190.0	184.9	181.1	178.8	176.0
67.5°	214.1	202.3	190.1	179.1	171.7	165.9	161.7	157.2	155.3	152.4	150.5
70°	189.0	176.9	166.2	157.8	150.3	146.2	143.3	140.1	138.2	134.5	132.6
72.5°	161.8	153.0	145.3	138.4	132.4	128.6	125.0	121.0	118.1	113.9	112.1
75°	127.4	119.5	113.4	108.8	105.0	99.9	94.8	90.6	89.2	87.7	87.3
77.5°	94.4	89.3	85.0	81.1	76.4	72.7	71.5	70.6	70.3	69.6	69.6
80°	74.2	69.6	66.3	61.6	58.9	58.9	58.9	57.9	58.3	58.3	58.3
82.5°	55.2	50.9	49.1	47.4	46.9	47.3	47.3	47.4	47.2	47.9	47.5
85°	28.4	29.0	29.9	29.4	29.9	29.9	30.9	30.3	30.9	29.9	30.9
87.5°	12.8	14.3	15.2	16.2	17.3	17.5	17.7	17.8	18.5	18.6	19.1
90°	11.4	13.5	16.6	19.7	22.8	25.9	24.9	25.9	26.9	28.0	30.1
92.5°	44.6	59.9	87.0	131.6	175.3	159.3	120.2	87.2	69.2	61.1	55.7
95°	94.3	134.6	222.7	377.1	547.1	614.4	498.3	373.0	252.8	197.9	160.6
97.5°	111.9	155.6	239.8	413.8	697.1	952.1	1018.6	929.7	744.7	611.1	487.1
100°	124.3	164.7	237.3	390.6	663.1	981.1	1185.3	1221.5	1137.6	1016.4	869.2
102.5°	138.4	175.5	240.6	370.7	613.3	927.3	1193.5	1318.5	1315.7	1245.1	1151.8
105°	161.6	193.8	249.7	356.4	552.2	832.9	1130.3	1346.8	1450.5	1470.2	1443.2
107.5°	187.7	217.6	266.7	355.3	513.3	749.7	1019.7	1265.2	1433.4	1524.2	1561.1
110°	205.1	234.2	280.8	359.5	498.3	702.4	950.0	1187.3	1378.0	1508.5	1581.0



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	223.4	251.6	294.9	367.8	490.1	670.9	889.6	1110.2	1305.0	1451.3	1544.5
115°	250.7	278.7	318.1	381.3	487.0	637.1	816.4	1008.1	1188.3	1340.6	1453.6
117.5°	277.9	303.8	342.7	399.0	488.8	617.2	772.2	934.1	1089.7	1226.5	1341.0
120°	295.2	321.2	358.5	412.3	492.1	608.1	749.0	895.1	1035.0	1159.3	1264.0
122.5°	311.0	338.6	375.1	424.8	497.9	602.4	730.0	864.4	991.0	1106.3	1203.5
125°	334.7	362.6	398.9	444.4	506.6	594.7	705.5	823.7	936.6	1036.0	1118.9
127.5°	356.6	384.6	419.5	460.7	516.6	590.9	684.0	788.0	888.7	978.4	1053.8
130°	369.9	397.8	432.0	471.4	523.2	588.4	672.3	765.6	858.9	942.8	1013.3
132.5°	382.3	409.5	442.8	481.3	528.2	587.6	661.6	744.9	830.7	908.8	976.0
135°	398.9	426.9	459.0	494.2	535.7	586.4	647.6	716.9	790.5	857.8	916.9
137.5°	413.4	439.3	470.1	503.7	540.6	584.1	635.3	691.4	751.7	809.8	860.9
140°	421.7	447.5	477.6	508.7	543.9	583.3	627.9	676.5	729.3	779.1	823.7
142.5°	430.0	454.2	483.4	513.6	546.4	581.7	621.2	662.5	707.8	750.9	789.7
145°	440.3	464.1	491.1	519.1	548.0	579.2	612.3	645.4	679.7	712.8	742.8
147.5°	452.4	472.6	497.3	522.4	548.0	575.2	603.6	631.6	658.7	685.5	706.8
150°	459.0	477.6	501.4	523.2	548.0	571.9	597.8	621.6	645.4	667.2	686.9
152.5°	465.6	483.4	503.9	524.9	545.5	567.8	591.2	612.5	633.0	652.3	668.7
155°	476.5	491.1	508.7	525.3	542.9	560.5	581.2	598.8	615.4	631.0	643.4
157.5°	486.1	497.3	511.4	526.3	539.4	554.1	570.0	584.3	598.2	610.2	619.9
160°	491.1	501.4	513.9	526.3	537.7	549.1	562.6	576.0	587.5	597.8	605.0
162.5°	495.3	503.9	514.7	525.5	534.4	544.1	555.1	566.1	575.9	585.3	591.7
165°	500.4	507.7	515.9	523.2	529.4	536.6	544.9	553.2	559.5	566.7	571.9
167.5°	505.2	509.7	515.8	521.6	524.4	529.2	535.2	542.1	546.8	551.0	554.7
170°	507.7	509.7	514.9	519.1	521.1	524.2	529.4	534.6	537.7	541.8	543.9
172.5°	509.3	510.6	514.9	518.3	518.6	520.0	523.6	528.0	530.2	533.6	534.8
175°	510.8	511.8	513.9	515.9	514.9	514.9	517.0	519.1	520.0	522.2	522.2
177.5°	511.8	511.8	512.6	514.2	512.6	511.8	512.6	513.4	514.2	515.1	515.1
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1039.0	1038.7	1039.0	1037.5	1039.0	1038.7	1039.0	1043.5	1043.5	1043.9	1044.3
5°	966.9	966.3	965.0	960.8	965.0	966.3	966.9	968.2	972.0	978.6	976.7
7.5°	903.8	903.2	899.1	899.2	899.1	903.2	903.8	907.5	911.7	915.7	920.4
10°	866.5	866.9	861.4	858.1	861.4	866.9	866.5	869.8	875.8	879.0	882.3
12.5°	830.3	828.1	823.6	820.0	823.6	828.1	830.3	832.8	841.1	844.7	851.0
15°	782.5	777.8	766.6	767.5	766.6	777.8	782.5	780.6	789.0	793.6	795.5
17.5°	726.1	722.7	722.5	716.0	722.5	722.7	726.1	729.9	737.2	742.2	755.5
20°	693.3	691.0	691.9	685.4	691.9	691.0	693.3	700.7	705.4	711.9	722.7
22.5°	667.5	665.2	661.3	659.2	661.3	665.2	667.5	672.7	677.8	687.0	692.8
25°	629.8	626.1	622.3	624.6	622.3	626.1	629.8	632.6	641.9	646.1	654.5
27.5°	592.1	589.2	585.5	585.1	585.5	589.2	592.1	594.8	599.9	607.0	617.1
30°	568.2	565.3	563.5	561.2	563.5	565.3	568.2	570.5	575.6	583.1	590.6
32.5°	543.9	543.3	539.9	539.5	539.9	543.3	543.9	547.7	552.9	559.9	566.3
35°	512.1	509.3	508.4	508.9	508.4	509.3	512.1	514.0	518.7	525.2	531.3
37.5°	482.0	478.2	476.5	474.9	476.5	478.2	482.0	482.2	487.1	491.4	499.6
40°	460.3	456.6	455.7	454.7	455.7	456.6	460.3	459.9	465.0	468.2	475.7
42.5°	436.0	434.5	434.0	432.3	434.0	434.5	436.0	438.5	441.5	446.2	451.8
45°	402.9	402.4	399.7	400.6	399.7	402.4	402.9	404.3	409.5	412.7	417.9
47.5°	368.0	366.0	364.0	365.2	364.0	366.0	368.0	369.9	373.3	377.3	384.1
50°	344.1	343.1	338.9	339.8	338.9	343.1	344.1	346.0	348.3	353.4	359.4
52.5°	320.2	316.6	315.0	314.5	315.0	316.6	320.2	322.0	324.8	330.6	335.2
55°	280.6	276.3	274.5	273.6	274.5	276.3	280.6	283.8	287.6	294.1	298.8
57.5°	241.7	240.6	239.2	240.1	239.2	240.6	241.7	247.2	250.8	255.9	261.6
60°	218.9	218.9	218.9	218.5	218.9	218.9	218.9	223.6	226.9	232.0	238.1
62.5°	201.4	200.3	199.9	200.5	199.9	200.3	201.4	203.5	206.7	210.0	215.3
65°	174.6	174.2	172.3	171.8	172.3	174.2	174.6	176.0	178.8	181.1	184.9
67.5°	149.3	147.6	147.0	146.4	147.0	147.6	149.3	150.5	152.4	155.3	157.2
70°	130.3	129.3	126.5	127.0	126.5	129.3	130.3	132.6	134.5	138.2	140.1
72.5°	109.7	108.8	108.3	107.5	108.3	108.8	109.7	112.1	113.9	118.1	121.0
75°	86.9	86.4	85.9	87.7	85.9	86.4	86.9	87.3	87.7	89.2	90.6
77.5°	69.6	69.6	69.8	69.1	69.8	69.6	69.6	69.6	69.6	70.3	70.6
80°	58.3	58.3	57.9	57.9	57.9	58.3	58.3	58.3	58.3	58.3	57.9
82.5°	46.8	47.2	47.4	46.7	47.4	47.2	46.8	47.5	47.9	47.2	47.4
85°	30.9	30.3	31.3	30.9	31.3	30.3	30.9	30.9	29.9	30.9	30.3
87.5°	19.6	19.1	19.3	19.4	19.3	19.1	19.6	19.1	18.6	18.5	17.8
90°	29.0	30.1	31.1	30.1	31.1	30.1	29.0	30.1	28.0	26.9	25.9
92.5°	53.9	50.7	51.8	49.9	51.8	50.7	53.9	55.7	61.1	69.2	87.2
95°	140.9	131.6	124.3	120.2	124.3	131.6	140.9	160.6	197.9	252.8	373.0
97.5°	410.7	364.1	336.1	327.2	336.1	364.1	410.7	487.1	611.1	744.7	929.7
100°	764.6	688.9	648.5	649.6	648.5	688.9	764.6	869.2	1016.4	1137.6	1221.5
102.5°	1070.4	1010.6	976.8	953.0	976.8	1010.6	1070.4	1151.8	1245.1	1315.7	1318.5
105°	1395.5	1356.2	1323.0	1317.9	1323.0	1356.2	1395.5	1443.2	1470.2	1450.5	1346.8
107.5°	1561.9	1548.6	1537.5	1527.9	1537.5	1548.6	1561.9	1561.1	1524.2	1433.4	1265.2
110°	1610.0	1618.3	1616.2	1614.2	1616.2	1618.3	1610.0	1581.0	1508.5	1378.0	1187.3



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1597.6	1623.3	1631.1	1631.6	1631.1	1623.3	1597.6	1544.5	1451.3	1305.0	1110.2
115°	1531.2	1576.8	1597.6	1602.8	1597.6	1576.8	1531.2	1453.6	1340.6	1188.3	1008.1
117.5°	1422.1	1474.3	1504.1	1511.2	1504.1	1474.3	1422.1	1341.0	1226.5	1089.7	934.1
120°	1345.8	1403.8	1428.7	1434.9	1428.7	1403.8	1345.8	1264.0	1159.3	1035.0	895.1
122.5°	1276.2	1328.4	1355.8	1363.6	1355.8	1328.4	1276.2	1203.5	1106.3	991.0	864.4
125°	1185.3	1230.8	1256.7	1264.0	1256.7	1230.8	1185.3	1118.9	1036.0	936.6	823.7
127.5°	1112.9	1151.8	1175.3	1181.9	1175.3	1151.8	1112.9	1053.8	978.4	888.7	788.0
130°	1068.2	1105.5	1127.2	1135.5	1127.2	1105.5	1068.2	1013.3	942.8	858.9	765.6
132.5°	1027.5	1064.8	1084.1	1089.9	1084.1	1064.8	1027.5	976.0	908.8	830.7	744.9
135°	967.7	998.7	1017.4	1024.7	1017.4	998.7	967.7	916.9	857.8	790.5	716.9
137.5°	903.7	935.1	950.8	955.6	950.8	935.1	903.7	860.9	809.8	751.7	691.4
140°	863.0	892.1	908.6	907.6	908.6	892.1	863.0	823.7	779.1	729.3	676.5
142.5°	823.2	848.9	863.8	862.8	863.8	848.9	823.2	789.7	750.9	707.8	662.5
145°	768.7	790.5	798.8	800.8	798.8	790.5	768.7	742.8	712.8	679.7	645.4
147.5°	726.5	741.2	749.0	749.8	749.0	741.2	726.5	706.8	685.5	658.7	631.6
150°	702.4	713.8	720.1	720.1	720.1	713.8	702.4	686.9	667.2	645.4	621.6
152.5°	680.9	691.4	695.2	695.2	695.2	691.4	680.9	668.7	652.3	633.0	612.5
155°	652.7	661.0	663.1	664.1	663.1	661.0	652.7	643.4	631.0	615.4	598.8
157.5°	628.0	634.3	635.9	635.7	635.9	634.3	628.0	619.9	610.2	598.2	584.3
160°	612.3	618.5	618.5	617.5	618.5	618.5	612.3	605.0	597.8	587.5	576.0
162.5°	596.6	601.9	601.9	600.9	601.9	601.9	596.6	591.7	585.3	575.9	566.1
165°	576.0	580.1	579.2	579.2	579.2	580.1	576.0	571.9	566.7	559.5	553.2
167.5°	556.5	559.5	558.4	558.4	558.4	559.5	556.5	554.7	551.0	546.8	542.1
170°	544.9	547.1	546.0	546.0	546.0	547.1	544.9	543.9	541.8	537.7	534.6
172.5°	535.0	537.1	535.2	534.4	535.2	537.1	535.0	534.8	533.6	530.2	528.0
175°	522.2	523.2	522.2	521.1	522.2	523.2	522.2	522.2	522.2	520.0	519.1
177.5°	514.2	515.1	513.4	513.4	513.4	515.1	514.2	515.1	515.1	514.2	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1040.9	1046.2	1051.3	1056.2	1063.7	1067.0	1071.9	1073.8	1079.3	1087.6	1094.3
5°	977.6	985.1	994.9	1002.8	1015.4	1025.2	1036.0	1046.2	1058.4	1075.7	1091.0
7.5°	923.9	931.3	943.1	957.8	971.7	985.6	1000.3	1014.3	1031.6	1056.4	1080.9
10°	888.4	897.3	911.3	927.2	944.4	958.0	975.3	993.0	1014.5	1042.9	1072.4
12.5°	857.8	864.4	880.7	895.8	915.3	932.6	949.5	970.2	994.7	1025.0	1060.4
15°	809.0	818.4	834.3	851.0	871.6	889.8	911.8	937.0	960.8	998.2	1041.1
17.5°	760.1	774.4	790.9	809.9	825.0	850.2	874.0	899.8	929.2	968.8	1015.8
20°	728.8	739.9	755.4	782.9	803.0	822.2	844.1	876.3	903.4	948.2	997.2
22.5°	702.2	710.4	727.7	750.5	773.8	796.0	818.3	849.0	882.4	925.1	978.1
25°	662.9	676.0	689.1	705.4	730.7	757.2	781.5	807.6	843.1	888.4	945.8
27.5°	624.6	636.4	649.3	669.4	688.5	713.4	738.8	768.7	806.8	854.7	913.0
30°	599.9	608.8	620.9	646.6	663.9	685.4	715.2	741.8	777.3	828.2	889.8
32.5°	574.5	586.0	599.2	618.9	640.3	660.7	688.0	716.8	753.0	803.2	866.3
35°	538.3	551.8	565.3	579.8	601.3	622.3	645.2	676.9	713.8	762.4	824.5
37.5°	505.0	515.9	526.9	544.8	565.2	585.1	606.5	637.8	672.5	725.0	781.9
40°	483.7	493.5	501.9	520.6	540.1	561.6	582.6	610.2	647.6	696.5	751.6
42.5°	460.5	469.6	481.0	496.2	517.4	535.5	556.5	582.6	617.7	667.4	715.8
45°	425.8	436.0	445.9	460.3	481.3	499.1	517.7	542.5	578.5	619.6	662.5
47.5°	389.7	399.9	411.1	425.1	443.4	461.5	480.1	502.0	534.8	575.2	604.1
50°	366.5	374.9	386.1	400.1	416.9	436.0	452.8	476.6	507.9	539.7	564.9
52.5°	342.6	350.3	362.9	377.7	393.3	409.9	427.8	448.3	476.5	506.4	526.5
55°	305.3	314.7	325.4	339.8	355.3	369.3	386.6	407.6	430.0	452.4	465.9
57.5°	270.5	278.2	287.3	302.2	315.6	332.3	347.8	364.2	384.9	401.8	410.6
60°	245.1	252.1	263.8	276.9	289.4	303.9	321.6	338.0	353.9	367.4	374.4
62.5°	221.2	229.3	239.5	251.5	265.2	278.9	294.4	308.1	322.1	333.8	338.6
65°	190.0	196.5	204.0	215.3	226.4	240.4	252.5	266.5	276.9	283.4	287.6
67.5°	161.7	165.9	171.7	179.1	190.1	202.3	214.1	225.1	233.6	238.1	241.8
70°	143.3	146.2	150.3	157.8	166.2	176.9	189.0	197.0	204.5	208.2	212.0
72.5°	125.0	128.6	132.4	138.4	145.3	153.0	161.8	171.7	175.8	180.2	182.4
75°	94.8	99.9	105.0	108.8	113.4	119.5	127.4	133.5	135.9	139.6	140.1
77.5°	71.5	72.7	76.4	81.1	85.0	89.3	94.4	99.8	100.9	102.9	104.2
80°	58.9	58.9	58.9	61.6	66.3	69.6	74.2	77.0	78.9	79.4	79.8
82.5°	47.3	47.3	46.9	47.4	49.1	50.9	55.2	58.3	59.8	59.6	58.6
85°	30.9	29.9	29.9	29.4	29.9	29.0	28.4	30.3	33.2	33.2	32.2
87.5°	17.7	17.5	17.3	16.2	15.2	14.3	12.8	12.7	12.0	13.2	12.4
90°	24.9	25.9	22.8	19.7	16.6	13.5	11.4	9.4	6.2	4.1	2.1
92.5°	120.2	159.3	175.3	131.6	87.0	59.9	44.6	35.8	27.7	19.1	12.8
95°	498.3	614.4	547.1	377.1	222.7	134.6	94.3	67.3	49.8	38.3	35.2
97.5°	1018.6	952.1	697.1	413.8	239.8	155.6	111.9	85.3	70.0	61.1	60.1
100°	1185.3	981.1	663.1	390.6	237.3	164.7	124.3	99.4	85.0	77.7	76.7
102.5°	1193.5	927.3	613.3	370.7	240.6	175.5	138.4	116.0	102.4	95.9	94.1
105°	1130.3	832.9	552.2	356.4	249.7	193.8	161.6	142.0	129.5	123.3	120.2
107.5°	1019.7	749.7	513.3	355.3	266.7	217.6	187.7	169.2	157.0	151.1	147.9
110°	950.0	702.4	498.3	359.5	280.8	234.2	205.1	187.5	176.1	170.9	167.8



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	889.6	670.9	490.1	367.8	294.9	251.6	223.4	205.7	194.4	189.2	186.1
115°	816.4	637.1	487.0	381.3	318.1	278.7	250.7	233.1	222.7	216.5	212.4
117.5°	772.2	617.2	488.8	399.0	342.7	303.8	277.9	258.2	248.6	243.4	238.7
120°	749.0	608.1	492.1	412.3	358.5	321.2	295.2	275.6	265.2	260.0	256.9
122.5°	730.0	602.4	497.9	424.8	375.1	338.6	311.0	292.1	281.0	275.8	272.7
125°	705.5	594.7	506.6	444.4	398.9	362.6	334.7	315.0	303.5	297.4	295.2
127.5°	684.0	590.9	516.6	460.7	419.5	384.6	356.6	334.8	323.2	315.6	312.5
130°	672.3	588.4	523.2	471.4	432.0	397.8	369.9	348.1	335.6	326.4	323.2
132.5°	661.6	587.6	528.2	481.3	442.8	409.5	382.3	360.5	345.6	335.5	331.5
135°	647.6	586.4	535.7	494.2	459.0	426.9	398.9	377.1	361.6	350.2	346.1
137.5°	635.3	584.1	540.6	503.7	470.1	439.3	413.4	391.8	375.2	364.1	359.7
140°	627.9	583.3	543.9	508.7	477.6	447.5	421.7	400.9	384.3	374.0	368.8
142.5°	621.2	581.7	546.4	513.6	483.4	454.2	430.0	409.2	394.3	383.2	378.8
145°	612.3	579.2	548.0	519.1	491.1	464.1	440.3	422.7	407.2	397.8	394.8
147.5°	603.6	575.2	548.0	522.4	497.3	472.6	452.4	435.3	421.9	412.8	410.9
150°	597.8	571.9	548.0	523.2	501.4	477.6	459.0	444.4	431.0	422.7	421.7
152.5°	591.2	567.8	545.5	524.9	503.9	483.4	465.6	452.7	441.0	432.7	432.5
155°	581.2	560.5	542.9	525.3	508.7	491.1	476.5	465.2	454.9	448.6	448.6
157.5°	570.0	554.1	539.4	526.3	511.4	497.3	486.1	476.4	467.3	462.3	461.5
160°	562.6	549.1	537.7	526.3	513.9	501.4	491.1	483.8	475.5	471.4	471.4
162.5°	555.1	544.1	534.4	525.5	514.7	503.9	495.3	488.8	482.1	478.8	478.8
165°	544.9	536.6	529.4	523.2	515.9	507.7	500.4	496.2	491.1	489.0	490.1
167.5°	535.2	529.2	524.4	521.6	515.8	509.7	505.2	502.3	498.3	497.3	498.6
170°	529.4	524.2	521.1	519.1	514.9	509.7	507.7	505.6	502.5	501.4	503.5
172.5°	523.6	520.0	518.6	518.3	514.9	510.6	509.3	508.1	505.8	505.6	506.8
175°	517.0	514.9	514.9	515.9	513.9	511.8	510.8	510.8	508.7	509.7	510.8
177.5°	512.6	511.8	512.6	514.2	512.6	511.8	511.8	511.8	511.0	511.8	512.6
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P332326-940

CATALOG NUMBER: S123RDIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1096.5	1100.6	1105.9	1113.7	1119.7	1124.9	1126.1	1127.6	1131.3	1137.6	1142.5
5°	1103.7	1114.4	1131.7	1148.4	1166.7	1181.6	1195.6	1205.4	1214.8	1234.4	1250.3
7.5°	1101.4	1125.3	1152.4	1182.6	1213.1	1242.7	1270.2	1294.7	1319.1	1347.7	1380.3
10°	1099.9	1127.9	1164.3	1203.1	1245.5	1287.1	1327.3	1358.5	1395.0	1427.6	1469.2
12.5°	1092.8	1133.2	1176.7	1226.3	1278.4	1326.3	1379.2	1422.5	1464.1	1511.3	1559.6
15°	1083.6	1132.6	1187.7	1253.5	1332.8	1390.8	1444.9	1520.1	1571.5	1622.8	1691.8
17.5°	1066.7	1126.5	1195.3	1280.9	1347.1	1424.9	1506.4	1565.8	1635.0	1707.3	1769.9
20°	1053.2	1122.8	1199.8	1283.9	1368.3	1452.9	1531.8	1602.7	1674.2	1757.7	1809.1
22.5°	1039.8	1108.6	1188.7	1277.9	1368.7	1457.7	1547.0	1630.3	1710.7	1795.1	1860.6
25°	1011.2	1092.9	1179.7	1270.8	1360.4	1458.5	1564.9	1657.8	1757.2	1844.1	1906.2
27.5°	982.2	1057.1	1143.6	1235.9	1335.6	1451.4	1576.6	1682.3	1781.9	1844.1	1863.6
30°	956.1	1035.5	1114.8	1208.7	1316.5	1445.8	1578.9	1699.8	1781.5	1808.6	1788.5
32.5°	929.6	1001.5	1080.1	1176.2	1290.8	1432.0	1581.9	1689.3	1738.6	1717.9	1636.1
35°	882.8	947.7	1023.8	1120.0	1251.6	1424.4	1569.6	1642.4	1630.2	1513.5	1359.5
37.5°	832.8	885.6	956.1	1056.7	1211.1	1394.0	1516.5	1527.2	1422.2	1243.0	1065.1
40°	793.2	840.8	913.2	1018.2	1179.7	1364.1	1463.1	1419.7	1256.8	1057.4	909.0
42.5°	754.7	794.9	864.6	977.9	1149.9	1323.5	1383.6	1289.0	1101.0	912.5	777.5
45°	689.6	727.4	797.4	913.6	1088.7	1245.5	1237.6	1073.3	885.2	733.4	621.3
47.5°	627.8	660.8	726.5	845.2	1016.9	1128.8	1054.6	879.8	720.1	598.4	518.5
50°	584.1	616.7	682.1	799.2	959.4	1041.1	935.1	766.6	620.5	519.6	456.1
52.5°	542.2	574.2	633.9	748.1	889.9	938.8	824.9	668.7	546.9	459.9	405.3
55°	483.7	507.9	561.6	670.8	776.9	788.1	672.7	542.0	441.7	380.9	343.6
57.5°	424.0	444.9	497.9	585.0	659.3	653.5	544.2	431.1	363.5	318.4	291.3
60°	385.1	405.7	452.4	527.1	583.1	563.5	463.2	372.1	314.1	281.1	259.6
62.5°	348.9	365.0	408.7	463.2	503.5	481.3	395.9	320.6	274.6	246.6	229.7
65°	296.5	309.5	344.6	373.0	395.4	374.0	303.0	250.7	217.6	198.0	186.3
67.5°	246.6	254.9	277.1	287.3	303.1	279.6	227.8	192.8	174.0	157.4	149.3
70°	215.3	221.3	233.0	241.4	245.6	221.3	183.0	157.3	141.4	129.7	124.7
72.5°	183.9	189.1	191.5	198.4	196.3	173.5	147.1	126.7	115.3	107.4	100.8
75°	140.5	142.9	140.5	137.7	131.6	115.7	97.6	87.3	78.9	75.2	72.9
77.5°	102.5	101.7	98.5	94.1	83.7	73.7	63.9	60.5	56.9	54.9	54.0
80°	78.9	77.0	74.2	67.2	58.3	51.4	49.0	46.7	45.3	43.0	42.4
82.5°	58.8	57.6	53.0	47.1	40.8	37.5	35.6	34.8	33.3	32.1	32.0
85°	31.3	29.9	24.7	21.5	20.5	19.6	19.2	19.2	17.3	16.8	16.8
87.5°	10.9	9.1	9.4	8.6	9.0	8.9	9.9	9.8	10.1	10.2	9.6
90°	4.1	6.2	9.4	11.4	13.5	16.6	19.7	22.8	25.9	24.9	25.9
92.5°	19.1	27.7	35.8	44.6	59.9	87.0	131.6	175.3	159.3	120.2	87.2
95°	38.3	49.8	67.3	94.3	134.6	222.7	377.1	547.1	614.4	498.3	373.0
97.5°	61.1	70.0	85.3	111.9	155.6	239.8	413.8	697.1	952.1	1018.6	929.7
100°	77.7	85.0	99.4	124.3	164.7	237.3	390.6	663.1	981.1	1185.3	1221.5
102.5°	95.9	102.4	116.0	138.4	175.5	240.6	370.7	613.3	927.3	1193.5	1318.5
105°	123.3	129.5	142.0	161.6	193.8	249.7	356.4	552.2	832.9	1130.3	1346.8
107.5°	151.1	157.0	169.2	187.7	217.6	266.7	355.3	513.3	749.7	1019.7	1265.2
110°	170.9	176.1	187.5	205.1	234.2	280.8	359.5	498.3	702.4	950.0	1187.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.2	194.4	205.7	223.4	251.6	294.9	367.8	490.1	670.9	889.6	1110.2
115°	216.5	222.7	233.1	250.7	278.7	318.1	381.3	487.0	637.1	816.4	1008.1
117.5°	243.4	248.6	258.2	277.9	303.8	342.7	399.0	488.8	617.2	772.2	934.1
120°	260.0	265.2	275.6	295.2	321.2	358.5	412.3	492.1	608.1	749.0	895.1
122.5°	275.8	281.0	292.1	311.0	338.6	375.1	424.8	497.9	602.4	730.0	864.4
125°	297.4	303.5	315.0	334.7	362.6	398.9	444.4	506.6	594.7	705.5	823.7
127.5°	315.6	323.2	334.8	356.6	384.6	419.5	460.7	516.6	590.9	684.0	788.0
130°	326.4	335.6	348.1	369.9	397.8	432.0	471.4	523.2	588.4	672.3	765.6
132.5°	335.5	345.6	360.5	382.3	409.5	442.8	481.3	528.2	587.6	661.6	744.9
135°	350.2	361.6	377.1	398.9	426.9	459.0	494.2	535.7	586.4	647.6	716.9
137.5°	364.1	375.2	391.8	413.4	439.3	470.1	503.7	540.6	584.1	635.3	691.4
140°	374.0	384.3	400.9	421.7	447.5	477.6	508.7	543.9	583.3	627.9	676.5
142.5°	383.2	394.3	409.2	430.0	454.2	483.4	513.6	546.4	581.7	621.2	662.5
145°	397.8	407.2	422.7	440.3	464.1	491.1	519.1	548.0	579.2	612.3	645.4
147.5°	412.8	421.9	435.3	452.4	472.6	497.3	522.4	548.0	575.2	603.6	631.6
150°	422.7	431.0	444.4	459.0	477.6	501.4	523.2	548.0	571.9	597.8	621.6
152.5°	432.7	441.0	452.7	465.6	483.4	503.9	524.9	545.5	567.8	591.2	612.5
155°	448.6	454.9	465.2	476.5	491.1	508.7	525.3	542.9	560.5	581.2	598.8
157.5°	462.3	467.3	476.4	486.1	497.3	511.4	526.3	539.4	554.1	570.0	584.3
160°	471.4	475.5	483.8	491.1	501.4	513.9	526.3	537.7	549.1	562.6	576.0
162.5°	478.8	482.1	488.8	495.3	503.9	514.7	525.5	534.4	544.1	555.1	566.1
165°	489.0	491.1	496.2	500.4	507.7	515.9	523.2	529.4	536.6	544.9	553.2
167.5°	497.3	498.3	502.3	505.2	509.7	515.8	521.6	524.4	529.2	535.2	542.1
170°	501.4	502.5	505.6	507.7	509.7	514.9	519.1	521.1	524.2	529.4	534.6
172.5°	505.6	505.8	508.1	509.3	510.6	514.9	518.3	518.6	520.0	523.6	528.0
175°	509.7	508.7	510.8	510.8	511.8	513.9	515.9	514.9	514.9	517.0	519.1
177.5°	511.8	511.0	511.8	511.8	511.8	512.6	514.2	512.6	511.8	512.6	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1150.3	1150.3	1151.8	1157.4	1158.2	1163.1	1161.5
5°	1264.3	1273.1	1276.4	1290.4	1298.8	1302.5	1295.0
7.5°	1403.6	1428.6	1440.5	1455.1	1468.1	1472.0	1461.8
10°	1505.1	1531.2	1553.3	1566.7	1579.4	1587.8	1598.5
12.5°	1603.4	1635.5	1656.4	1675.4	1688.5	1699.1	1700.8
15°	1710.1	1758.6	1795.5	1822.6	1836.1	1843.2	1840.3
17.5°	1817.8	1862.8	1889.0	1916.6	1935.4	1936.4	1936.9
20°	1878.7	1922.5	1952.8	1973.4	1994.4	1993.5	1998.1
22.5°	1919.3	1953.9	1977.1	1992.1	1999.3	1995.7	1996.6
25°	1938.4	1948.7	1944.5	1920.7	1914.6	1892.7	1896.4
27.5°	1840.1	1791.6	1741.3	1676.8	1625.8	1585.1	1587.2
30°	1706.8	1621.0	1522.9	1440.7	1367.0	1346.4	1302.5
32.5°	1520.5	1391.6	1276.8	1200.2	1136.8	1119.7	1081.5
35°	1204.5	1079.3	961.3	890.3	862.3	823.0	822.6
37.5°	936.2	826.1	763.6	710.3	682.4	658.7	656.4
40°	787.6	701.7	654.5	616.3	588.7	571.0	566.8
42.5°	683.8	614.3	570.2	546.4	525.2	516.0	509.3
45°	558.4	511.7	480.9	459.4	449.6	442.6	438.8
47.5°	467.1	435.8	414.7	400.5	392.5	385.1	387.1
50°	417.4	391.7	376.3	362.7	356.7	351.5	352.0
52.5°	377.4	354.4	341.9	332.2	324.6	320.9	319.1
55°	320.3	305.8	293.2	286.1	282.0	276.9	275.4
57.5°	273.2	262.0	251.7	243.8	242.7	237.8	238.4
60°	241.8	232.5	224.1	219.9	216.6	212.4	213.8
62.5°	216.1	208.2	200.5	197.1	193.9	190.7	191.5
65°	176.9	169.4	164.8	162.9	161.5	160.2	158.7
67.5°	141.0	136.4	133.5	129.5	126.6	126.2	124.8
70°	118.6	112.5	107.4	102.3	100.9	100.4	100.9
72.5°	95.1	91.2	89.8	87.3	87.0	85.8	86.7
75°	71.4	70.0	69.1	67.2	67.2	67.2	67.2
77.5°	52.7	51.8	51.3	50.9	50.4	49.8	49.7
80°	41.1	40.6	39.7	39.7	39.2	39.7	39.2
82.5°	31.0	30.9	30.0	30.0	29.5	29.2	29.5
85°	15.9	15.4	16.3	15.4	15.9	15.0	15.9
87.5°	9.9	10.1	10.1	9.9	9.7	10.7	9.7
90°	26.9	28.0	30.1	29.0	30.1	31.1	30.1
92.5°	69.2	61.1	55.7	53.9	50.7	51.8	49.9
95°	252.8	197.9	160.6	140.9	131.6	124.3	120.2
97.5°	744.7	611.1	487.1	410.7	364.1	336.1	327.2
100°	1137.6	1016.4	869.2	764.6	688.9	648.5	649.6
102.5°	1315.7	1245.1	1151.8	1070.4	1010.6	976.8	953.0
105°	1450.5	1470.2	1443.2	1395.5	1356.2	1323.0	1317.9
107.5°	1433.4	1524.2	1561.1	1561.9	1548.6	1537.5	1527.9
110°	1378.0	1508.5	1581.0	1610.0	1618.3	1616.2	1614.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1305.0	1451.3	1544.5	1597.6	1623.3	1631.1	1631.6
115°	1188.3	1340.6	1453.6	1531.2	1576.8	1597.6	1602.8
117.5°	1089.7	1226.5	1341.0	1422.1	1474.3	1504.1	1511.2
120°	1035.0	1159.3	1264.0	1345.8	1403.8	1428.7	1434.9
122.5°	991.0	1106.3	1203.5	1276.2	1328.4	1355.8	1363.6
125°	936.6	1036.0	1118.9	1185.3	1230.8	1256.7	1264.0
127.5°	888.7	978.4	1053.8	1112.9	1151.8	1175.3	1181.9
130°	858.9	942.8	1013.3	1068.2	1105.5	1127.2	1135.5
132.5°	830.7	908.8	976.0	1027.5	1064.8	1084.1	1089.9
135°	790.5	857.8	916.9	967.7	998.7	1017.4	1024.7
137.5°	751.7	809.8	860.9	903.7	935.1	950.8	955.6
140°	729.3	779.1	823.7	863.0	892.1	908.6	907.6
142.5°	707.8	750.9	789.7	823.2	848.9	863.8	862.8
145°	679.7	712.8	742.8	768.7	790.5	798.8	800.8
147.5°	658.7	685.5	706.8	726.5	741.2	749.0	749.8
150°	645.4	667.2	686.9	702.4	713.8	720.1	720.1
152.5°	633.0	652.3	668.7	680.9	691.4	695.2	695.2
155°	615.4	631.0	643.4	652.7	661.0	663.1	664.1
157.5°	598.2	610.2	619.9	628.0	634.3	635.9	635.7
160°	587.5	597.8	605.0	612.3	618.5	618.5	617.5
162.5°	575.9	585.3	591.7	596.6	601.9	601.9	600.9
165°	559.5	566.7	571.9	576.0	580.1	579.2	579.2
167.5°	546.8	551.0	554.7	556.5	559.5	558.4	558.4
170°	537.7	541.8	543.9	544.9	547.1	546.0	546.0
172.5°	530.2	533.6	534.8	535.0	537.1	535.2	534.4
175°	520.0	522.2	522.2	522.2	523.2	522.2	521.1
177.5°	514.2	515.1	515.1	514.2	515.1	513.4	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8

(END OF REPORT)