

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: P333234-935

Luminaire Tested: **S125DIP-S850D1035U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333234-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D1035U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6171.7 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

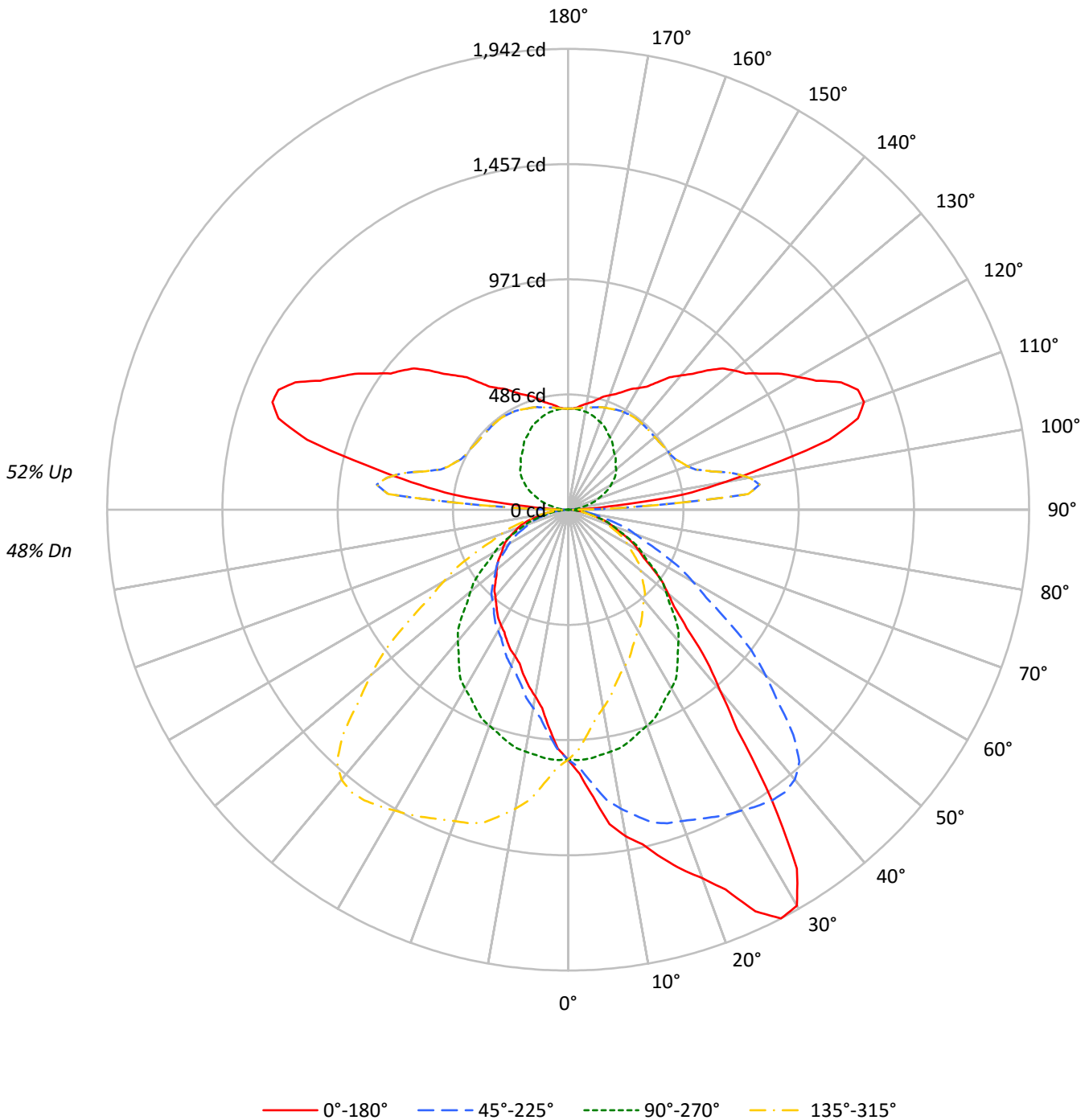
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P33234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	48	48	48														
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41	41	41	41														
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35	35	35	35	35	35	35														
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30	30	30	30	30	30	30														
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25	25	25	25	25	25	25														
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	25	22	22	22	22	22	22	22														
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20	20	20	20	20	20	20														
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17	17	17	17	17	17	17														
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16	16	16	16	16	16	16														
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16	14	14	14	14	14	14	14														
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13	13	13	13	13	13	13														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6803	6803	6803	6803
5°	7878	6825	5977	6825
10°	9165	6790	5237	6790
15°	10146	6740	4831	6740
20°	11357	6661	4504	6661
25°	13304	6572	4345	6572
30°	14370	6485	4207	6485
35°	11815	6320	4117	6320
40°	8398	6091	4018	6091
45°	6452	5782	3961	5782
50°	5507	5399	3953	5399
55°	4904	5024	3987	5024
60°	4423	4614	4088	4614
65°	4085	4201	4195	4201
70°	3714	3773	4254	3773
75°	3281	3324	4217	3324
80°	2760	2708	3861	2708
85°	2186	1949	3112	1949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	1.6
10°-20°	301.9	4.9
20°-30°	490.2	7.9
30°-40°	598.0	9.7
40°-50°	544.0	8.8
50°-60°	433.3	7.0
60°-70°	301.8	4.9
70°-80°	160.9	2.6
80°-90°	43.0	0.7
90°-100°	309.0	5.0
100°-110°	664.3	10.8
110°-120°	623.4	10.1
120°-130°	505.2	8.2
130°-140°	405.5	6.6
140°-150°	306.0	5.0
150°-160°	215.4	3.5
160°-170°	126.9	2.1
170°-180°	41.3	0.7
0°-30°	893.6	14.5
0°-40°	1491.6	24.2
0°-60°	2468.9	40.0
0°-90°	2974.6	48.2
90°-120°	1596.7	25.9
90°-150°	2813.4	45.6
90°-180°	3197.0	51.8
0°-180°	6171.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1215	1053	922	1053	1215	122
15°	1517	1008	722	1008	1517	434
25°	1867	922	610	922	1867	853
35°	1499	802	522	802	1499	917
45°	706	633	434	633	706	565
55°	436	446	354	446	436	392
65°	267	275	274	275	267	265
75°	132	133	169	133	132	142
85°	30	26	42	26	30	35
90°	20	1	20	1	20	15
95°	202	28	202	28	202	286
105°	1139	97	1139	97	1139	1132
115°	1269	174	1269	174	1269	1240
125°	1000	241	1000	241	1000	904
135°	830	282	830	282	830	643
145°	655	328	655	328	655	416
155°	549	375	549	375	549	256
165°	481	409	481	409	481	138
175°	432	425	432	425	432	42
180°	426	426	426	426	426	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1114.1	1112.7	1111.3	1108.4	1110.5	1104.5	1101.6	1096.6	1090.5	1088.4	1085.9
5°	1215.1	1217.4	1219.6	1210.2	1211.2	1204.9	1190.6	1179.0	1169.6	1157.5	1149.0
7.5°	1336.8	1331.5	1331.0	1325.0	1314.5	1306.1	1291.1	1272.0	1253.4	1232.3	1214.9
10°	1397.6	1398.0	1394.0	1386.8	1375.7	1367.6	1348.0	1329.1	1306.4	1279.5	1260.3
12.5°	1443.4	1445.2	1440.1	1430.5	1425.0	1407.0	1391.5	1369.2	1342.1	1320.7	1291.4
15°	1517.4	1512.4	1508.9	1496.8	1487.5	1468.7	1444.1	1420.8	1391.3	1364.0	1336.8
17.5°	1588.7	1592.7	1586.0	1574.9	1545.8	1523.9	1490.9	1459.1	1422.4	1385.8	1353.2
20°	1652.4	1656.0	1645.7	1626.5	1591.6	1569.7	1526.3	1485.2	1442.7	1395.8	1360.0
22.5°	1731.8	1729.0	1715.1	1685.8	1655.6	1615.1	1568.1	1518.1	1464.9	1411.9	1364.3
25°	1867.0	1848.2	1839.7	1803.5	1763.8	1704.3	1639.9	1566.6	1500.4	1430.2	1369.4
27.5°	1941.9	1936.0	1926.6	1901.3	1859.5	1796.0	1720.0	1630.6	1537.3	1448.7	1369.2
30°	1926.9	1927.8	1928.7	1920.6	1893.9	1846.0	1770.5	1674.3	1563.4	1463.7	1371.7
32.5°	1793.9	1810.2	1825.7	1844.1	1851.6	1842.5	1795.1	1708.3	1594.2	1480.9	1370.2
35°	1498.6	1503.6	1554.0	1604.1	1672.1	1724.8	1760.1	1721.7	1625.6	1495.5	1368.5
37.5°	1168.5	1192.7	1227.6	1284.2	1382.2	1470.1	1583.0	1635.0	1604.0	1500.2	1365.4
40°	996.1	1018.5	1041.2	1098.9	1181.6	1288.1	1416.3	1525.9	1551.3	1485.2	1354.6
42.5°	863.1	880.7	906.0	949.4	1018.6	1112.8	1235.4	1378.5	1466.6	1441.6	1332.1
45°	706.4	717.6	737.3	771.6	821.7	895.5	1003.7	1160.2	1296.5	1341.7	1278.7
47.5°	604.6	604.5	619.8	643.6	679.8	742.4	822.4	945.0	1090.7	1198.4	1193.4
50°	548.1	545.9	557.9	578.5	607.1	648.7	725.1	823.0	963.0	1085.0	1119.0
52.5°	499.5	499.7	507.1	522.4	546.3	581.9	638.9	727.2	846.8	972.1	1036.0
55°	435.5	433.7	442.1	452.5	469.8	493.1	534.3	601.8	698.8	822.2	905.3
57.5°	376.8	381.7	385.1	392.3	406.7	422.3	457.0	506.5	583.5	689.4	777.3
60°	342.4	347.4	350.1	357.2	368.9	382.3	409.1	449.4	514.1	605.4	692.5
62.5°	311.7	315.6	316.4	322.9	332.3	345.4	366.5	400.3	451.5	531.3	616.7
65°	267.3	267.3	269.1	275.9	280.3	292.0	308.1	332.6	373.8	435.9	508.8
67.5°	224.6	226.8	226.3	229.3	233.4	242.4	253.9	274.2	304.7	350.1	408.4
70°	196.7	198.5	198.0	200.3	204.7	210.6	220.0	239.2	261.1	300.0	350.1
72.5°	171.7	172.4	171.3	174.2	176.8	181.9	192.4	202.7	223.2	256.0	297.1
75°	131.5	132.3	133.2	135.0	137.7	140.3	145.8	156.0	169.4	194.1	220.4
77.5°	98.5	96.9	99.0	98.8	100.2	102.3	107.0	112.4	123.5	139.1	159.5
80°	74.2	74.6	74.6	75.1	77.3	78.7	82.7	86.7	95.2	106.9	121.1
82.5°	54.2	55.4	54.7	55.4	57.3	58.3	60.5	63.8	68.8	77.9	88.3
85°	29.5	27.3	28.2	29.1	29.1	29.5	31.3	32.6	35.3	38.9	42.9
87.5°	12.6	13.3	13.4	13.4	13.8	13.4	14.7	14.6	15.4	16.4	17.4
90°	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5	14.6	13.8	12.1
92.5°	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3	224.3	277.1	281.5
95°	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0	745.2	761.6	621.5
97.5°	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4	942.9	813.3	554.9
100°	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2	991.0	776.1	495.1
102.5°	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3	962.2	710.8	449.7
105°	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1	869.9	623.1	405.7
107.5°	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1	775.6	562.8	387.1
110°	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7	721.9	534.6	381.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3	682.1	518.1	381.6
115°	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4	638.6	500.2	384.2
117.5°	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7	612.7	491.5	389.9
120°	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0	598.2	487.3	395.4
122.5°	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4	585.8	483.9	400.2
125°	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4	569.0	479.6	408.3
127.5°	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9	553.5	477.5	417.4
130°	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7	543.2	476.1	422.9
132.5°	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5	534.9	476.1	429.0
135°	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1	525.1	476.1	437.5
137.5°	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3	516.4	477.2	445.2
140°	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0	512.3	477.9	448.7
142.5°	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0	508.9	478.5	450.7
145°	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3	503.7	477.9	453.0
147.5°	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4	498.3	475.6	453.8
150°	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2	494.2	473.6	453.8
152.5°	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3	489.4	470.9	453.1
155°	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9	481.3	465.9	451.3
157.5°	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6	473.7	460.7	449.0
160°	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7	467.6	457.3	446.9
162.5°	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2	462.1	453.1	444.9
165°	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7	453.8	446.9	441.8
167.5°	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7	445.7	440.9	437.0
170°	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2	440.9	437.5	434.9
172.5°	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0	436.1	433.3	432.1
175°	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3	429.7	428.9	428.9
177.5°	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7	427.0	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1083.7	1081.2	1078.3	1073.3	1067.3	1064.0	1059.0	1055.8	1049.4	1044.0	1038.3
5°	1138.7	1127.0	1116.4	1102.5	1087.3	1077.5	1065.8	1052.8	1039.5	1025.6	1010.4
7.5°	1195.7	1175.1	1152.7	1128.7	1105.2	1083.6	1062.9	1042.6	1023.6	1000.7	981.4
10°	1233.9	1208.0	1180.3	1147.6	1115.9	1088.2	1060.1	1035.4	1010.4	983.6	959.8
12.5°	1272.2	1237.7	1198.5	1162.7	1124.5	1091.1	1057.9	1026.5	995.1	965.4	937.7
15°	1299.2	1268.8	1232.6	1181.6	1138.7	1092.7	1048.9	1008.1	970.2	937.1	902.2
17.5°	1317.0	1277.8	1239.0	1190.1	1133.8	1082.3	1032.7	986.1	943.2	901.3	867.7
20°	1320.3	1280.0	1239.3	1191.5	1133.8	1074.8	1025.2	969.2	923.3	879.9	838.7
22.5°	1319.1	1273.6	1229.2	1180.0	1123.8	1069.4	1009.4	952.4	902.5	859.8	816.9
25°	1309.1	1260.3	1204.9	1155.3	1099.8	1042.2	981.4	922.3	871.3	822.6	780.2
27.5°	1300.6	1237.4	1174.7	1116.8	1063.2	1010.4	952.2	891.7	835.3	785.8	745.8
30°	1290.3	1221.0	1150.3	1089.9	1035.0	983.6	928.6	869.6	810.5	762.2	719.4
32.5°	1281.0	1200.2	1125.7	1060.0	1001.7	951.7	901.0	844.9	787.0	738.0	695.0
35°	1263.0	1169.6	1084.2	1010.0	947.8	896.4	853.9	801.6	748.4	701.0	659.9
37.5°	1240.2	1129.3	1037.7	959.8	891.7	837.6	798.1	757.9	706.8	661.2	624.0
40°	1222.3	1100.7	1003.7	924.1	853.5	797.1	760.5	722.5	680.0	637.6	598.2
42.5°	1199.8	1075.0	969.4	883.7	813.7	758.9	720.4	688.1	650.7	611.1	574.5
45°	1158.4	1028.3	913.9	821.7	751.1	697.0	657.2	633.1	604.9	567.3	536.5
47.5°	1097.5	972.2	853.9	758.8	685.9	635.8	598.5	575.3	555.4	527.5	499.6
50°	1043.4	930.4	810.5	716.2	643.3	592.8	558.4	537.4	520.4	498.9	475.3
52.5°	983.0	877.8	768.0	674.8	602.6	552.8	519.1	500.6	486.5	471.1	447.7
55°	887.0	797.6	695.7	607.1	540.5	491.8	462.3	446.2	434.5	422.9	408.6
57.5°	781.2	711.3	621.0	540.1	478.7	434.4	406.8	391.2	382.2	376.2	367.7
60°	706.8	647.0	569.1	495.3	435.5	396.1	369.3	357.2	349.7	344.7	338.5
62.5°	637.8	588.7	516.5	449.2	396.8	359.6	335.7	324.0	316.7	314.3	309.1
65°	536.1	498.1	438.6	382.7	338.0	306.3	286.1	274.9	270.4	267.8	268.3
67.5°	435.8	412.7	364.9	317.3	281.5	254.9	238.8	230.2	228.0	224.5	224.4
70°	374.6	357.2	317.0	275.4	243.7	223.1	208.8	199.8	197.6	195.8	195.4
72.5°	320.6	305.4	270.4	237.1	208.6	190.5	178.7	173.4	169.7	168.7	168.6
75°	241.0	232.5	204.7	178.4	158.7	146.2	138.2	133.2	130.5	130.1	130.5
77.5°	171.3	163.9	146.3	127.6	115.2	105.7	98.9	97.2	94.2	94.3	93.8
80°	128.7	123.8	112.7	97.9	87.6	79.6	76.0	72.8	72.0	70.6	72.0
82.5°	93.3	88.1	80.5	71.1	62.6	57.8	54.2	53.2	52.7	52.0	52.3
85°	46.1	46.5	42.0	34.9	31.3	28.6	26.3	26.3	25.9	25.5	25.9
87.5°	18.0	16.9	15.3	13.9	11.8	10.3	9.6	9.8	9.0	9.0	9.6
90°	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9	1.7	3.4	5.2
92.5°	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5	12.7	20.0	30.6
95°	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3	29.2	36.1	45.5
97.5°	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1	48.1	53.0	62.4
100°	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2	61.9	65.3	74.7
102.5°	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6	75.6	78.4	88.5
105°	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1	97.1	101.4	110.0
107.5°	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2	120.9	124.9	132.0
110°	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9	136.6	140.1	147.8



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8	152.5	155.2	163.0
115°	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7	175.3	177.9	185.6
117.5°	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2	196.8	199.6	207.3
120°	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0	210.6	214.0	221.8
122.5°	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5	224.3	227.0	234.8
125°	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6	242.4	246.7	254.4
127.5°	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9	257.5	263.0	272.9
130°	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9	266.5	273.4	284.5
132.5°	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8	274.0	282.2	294.8
135°	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9	285.3	295.7	309.4
137.5°	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0	298.6	308.2	322.0
140°	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3	306.9	317.2	330.9
142.5°	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9	315.8	325.4	339.1
145°	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3	330.0	338.6	350.7
147.5°	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5	344.5	351.9	363.1
150°	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4	354.1	360.2	371.3
152.5°	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1	363.1	368.4	378.2
155°	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7	374.7	379.9	388.5
157.5°	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1	385.9	390.0	397.4
160°	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6	392.8	396.2	402.3
162.5°	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8	399.0	402.4	407.8
165°	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1	407.4	410.0	414.3
167.5°	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3	414.5	416.0	418.4
170°	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5	418.6	419.5	421.2
172.5°	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2	420.7	421.5	423.2
175°	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4	423.7	424.6	425.4
177.5°	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0	425.6	425.6	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1035.1	1031.1	1027.9	1020.8	1016.8	1011.5	1007.2	1011.8	1006.9	1009.0	1005.7
5°	1002.8	990.3	981.4	968.4	957.2	946.9	939.4	938.0	934.4	932.6	927.2
7.5°	964.0	948.3	933.0	916.0	901.6	887.1	877.8	870.1	865.0	858.3	853.8
10°	941.1	920.1	902.2	881.7	863.8	848.1	835.6	829.3	823.5	815.0	811.9
12.5°	912.8	891.1	869.3	847.3	830.2	812.7	801.9	792.5	788.5	778.9	777.9
15°	879.0	846.4	824.8	802.5	778.8	764.5	755.5	745.3	740.8	734.1	729.2
17.5°	838.5	809.4	782.6	759.4	739.1	727.0	715.9	708.9	701.2	696.8	688.8
20°	809.3	781.5	754.7	730.0	714.5	700.6	691.6	684.9	676.9	674.7	666.6
22.5°	784.5	754.0	728.2	707.6	690.4	674.9	665.1	660.6	655.0	648.2	646.5
25°	744.4	712.6	690.8	670.2	655.0	640.7	634.0	628.2	622.8	617.9	616.0
27.5°	709.7	681.3	655.3	636.7	623.5	610.4	604.5	597.4	593.6	589.6	584.8
30°	685.4	656.3	633.5	615.6	601.3	589.7	583.4	578.5	575.0	571.4	568.7
32.5°	660.3	633.4	611.3	593.8	579.5	570.8	565.2	561.7	557.8	553.5	550.1
35°	627.2	597.7	576.3	561.1	549.9	543.2	536.9	533.8	529.3	529.3	525.7
37.5°	590.0	564.5	545.5	531.7	521.7	515.7	508.9	506.7	503.9	502.0	500.8
40°	567.8	544.1	526.2	512.4	501.6	496.7	491.4	487.8	485.9	483.7	482.8
42.5°	544.9	522.3	505.1	492.3	483.0	478.8	473.8	471.3	467.7	464.8	464.3
45°	510.1	488.2	472.6	462.3	454.3	449.4	446.2	440.8	439.0	435.5	435.0
47.5°	477.1	456.1	440.7	432.3	425.2	421.2	416.3	411.0	408.9	407.1	406.9
50°	452.5	433.3	418.9	410.9	404.2	398.4	393.4	389.9	388.5	388.5	389.4
52.5°	427.4	411.0	398.9	389.1	382.7	376.5	372.0	369.8	367.7	369.9	371.5
55°	390.7	374.2	365.2	355.9	349.7	342.4	340.3	339.3	338.0	341.6	343.4
57.5°	352.0	340.4	329.8	320.6	315.0	310.8	307.8	307.2	309.7	311.4	317.3
60°	327.3	313.8	304.4	297.3	290.6	287.9	287.1	286.1	287.9	292.8	300.4
62.5°	300.1	289.2	279.1	273.7	268.8	264.3	264.2	264.7	268.3	273.9	281.5
65°	260.2	250.8	244.1	237.8	233.8	231.2	232.0	233.8	237.8	245.5	253.9
67.5°	219.7	213.3	207.2	202.2	198.3	198.3	199.2	201.9	206.6	215.4	223.2
70°	193.6	186.4	181.5	179.3	176.2	174.4	177.0	181.5	185.5	193.6	200.3
72.5°	167.5	161.4	157.6	156.0	154.7	153.3	154.1	158.9	164.5	172.5	180.3
75°	128.7	126.5	123.8	122.1	120.7	121.6	122.5	127.0	131.5	139.9	148.9
77.5°	93.9	91.6	90.1	89.6	88.9	89.3	91.9	95.1	99.5	105.7	112.4
80°	71.1	70.2	69.3	68.9	68.9	69.3	72.8	75.1	79.1	85.0	90.3
82.5°	51.7	51.2	51.1	51.0	51.3	51.4	53.6	56.5	59.8	64.2	68.9
85°	27.3	26.3	27.7	28.2	27.3	28.6	29.5	31.3	32.6	34.9	37.1
87.5°	10.3	11.4	11.2	11.9	12.1	13.1	12.9	14.6	15.4	16.3	16.3
90°	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5	16.4	17.2	18.9
92.5°	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3	110.6	83.2	70.5
95°	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0	487.3	381.6	309.4
97.5°	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4	828.7	725.7	625.3
100°	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2	1015.1	926.5	837.2
102.5°	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3	1129.2	1086.8	1026.2
105°	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1	1193.9	1231.7	1222.2
107.5°	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1	1136.3	1233.4	1278.2
110°	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7	1070.9	1192.1	1265.2



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3	1006.3	1128.9	1215.0
115°	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4	913.7	1031.4	1125.1
117.5°	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7	849.5	951.0	1036.9
120°	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0	813.1	907.7	983.3
122.5°	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4	787.0	871.2	942.0
125°	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4	752.1	826.8	888.7
127.5°	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9	718.8	788.5	846.4
130°	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7	695.3	762.4	818.3
132.5°	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5	673.3	734.2	788.0
135°	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1	639.5	694.5	743.5
137.5°	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3	609.2	655.0	696.5
140°	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0	591.3	630.9	667.0
142.5°	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0	576.2	610.3	641.5
145°	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3	557.0	583.6	606.8
147.5°	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4	541.0	561.5	578.9
150°	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2	532.0	548.4	563.9
152.5°	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3	523.1	538.0	550.1
155°	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9	509.7	521.8	531.2
157.5°	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6	497.0	506.3	513.7
160°	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7	487.3	495.9	502.0
162.5°	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2	479.1	486.3	491.6
165°	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7	466.7	471.9	476.1
167.5°	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7	454.7	458.7	461.8
170°	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2	447.8	450.4	452.1
172.5°	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0	441.6	443.5	444.5
175°	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3	432.3	434.0	434.0
177.5°	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7	428.3	428.3	428.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1003.6	1006.1	1003.9	1006.9	1003.9	1006.1	1003.6	1005.7	1009.0	1006.9	1011.8
5°	925.0	921.0	923.7	921.9	923.7	921.0	925.0	927.2	932.6	934.4	938.0
7.5°	852.4	848.5	844.2	842.1	844.2	848.5	852.4	853.8	858.3	865.0	870.1
10°	807.0	802.0	801.6	798.5	801.6	802.0	807.0	811.9	815.0	823.5	829.3
12.5°	773.7	769.1	764.1	762.8	764.1	769.1	773.7	777.9	778.9	788.5	792.5
15°	726.5	722.9	719.8	722.5	719.8	722.9	726.5	729.2	734.1	740.8	745.3
17.5°	687.3	684.3	683.7	680.4	683.7	684.3	687.3	688.8	696.8	701.2	708.9
20°	662.5	660.3	661.2	655.4	661.2	660.3	662.5	666.6	674.7	676.9	684.9
22.5°	642.9	638.5	638.0	636.8	638.0	638.5	642.9	646.5	648.2	655.0	660.6
25°	612.1	609.8	607.6	609.8	607.6	609.8	612.1	616.0	617.9	622.8	628.2
27.5°	585.1	582.5	581.9	582.1	581.9	582.5	585.1	584.8	589.6	593.6	597.4
30°	568.7	564.2	564.6	564.2	564.6	564.2	568.7	568.7	571.4	575.0	578.5
32.5°	550.8	547.8	547.2	546.3	547.2	547.8	550.8	550.1	553.5	557.8	561.7
35°	524.4	524.4	522.2	522.2	522.2	524.4	524.4	525.7	529.3	529.3	533.8
37.5°	499.6	499.2	497.8	498.1	497.8	499.2	499.6	500.8	502.0	503.9	506.7
40°	481.0	480.6	479.2	476.6	479.2	480.6	481.0	482.8	483.7	485.9	487.8
42.5°	463.1	461.7	461.1	460.1	461.1	461.7	463.1	464.3	464.8	467.7	471.3
45°	435.0	435.0	434.1	433.7	434.1	435.0	435.0	435.0	435.5	439.0	440.8
47.5°	407.7	408.5	410.2	409.9	410.2	408.5	407.7	406.9	407.1	408.9	411.0
50°	391.2	391.7	393.0	393.4	393.0	391.7	391.2	389.4	388.5	388.5	389.9
52.5°	373.0	375.6	377.2	376.9	377.2	375.6	373.0	371.5	369.9	367.7	369.8
55°	347.4	350.5	353.6	354.1	353.6	350.5	347.4	343.4	341.6	338.0	339.3
57.5°	322.1	326.5	329.8	330.8	329.8	326.5	322.1	317.3	311.4	309.7	307.2
60°	304.9	310.7	314.8	316.5	314.8	310.7	304.9	300.4	292.8	287.9	286.1
62.5°	288.4	295.0	299.0	299.4	299.0	295.0	288.4	281.5	273.9	268.3	264.7
65°	261.6	268.3	271.8	274.5	271.8	268.3	261.6	253.9	245.5	237.8	233.8
67.5°	232.6	239.3	243.2	245.4	243.2	239.3	232.6	223.2	215.4	206.6	201.9
70°	211.5	218.2	223.5	225.3	223.5	218.2	211.5	200.3	193.6	185.5	181.5
72.5°	190.7	196.7	201.0	203.1	201.0	196.7	190.7	180.3	172.5	164.5	158.9
75°	154.7	162.7	166.8	169.0	166.8	162.7	154.7	148.9	139.9	131.5	127.0
77.5°	119.2	126.7	129.1	130.2	129.1	126.7	119.2	112.4	105.7	99.5	95.1
80°	95.7	100.1	103.2	103.8	103.2	100.1	95.7	90.3	85.0	79.1	75.1
82.5°	73.5	77.2	78.3	79.4	78.3	77.2	73.5	68.9	64.2	59.8	56.5
85°	40.2	42.0	42.4	42.0	42.4	42.0	40.2	37.1	34.9	32.6	31.3
87.5°	17.0	16.6	16.8	17.6	16.8	16.6	17.0	16.3	16.3	15.4	14.6
90°	18.9	18.9	19.8	19.8	19.8	18.9	18.9	18.9	17.2	16.4	15.5
92.5°	59.5	57.4	56.2	54.8	56.2	57.4	59.5	70.5	83.2	110.6	152.3
95°	248.4	222.7	215.8	202.0	215.8	222.7	248.4	309.4	381.6	487.3	618.0
97.5°	572.3	524.1	499.2	488.2	499.2	524.1	572.3	625.3	725.7	828.7	920.4
100°	777.8	716.0	684.2	670.5	684.2	716.0	777.8	837.2	926.5	1015.1	1057.2
102.5°	962.9	918.9	884.2	873.9	884.2	918.9	962.9	1026.2	1086.8	1129.2	1103.3
105°	1194.7	1166.4	1149.2	1138.8	1149.2	1166.4	1194.7	1222.2	1231.7	1193.9	1076.1
107.5°	1292.2	1292.0	1286.3	1279.4	1286.3	1292.0	1292.2	1278.2	1233.4	1136.3	979.1
110°	1303.9	1320.2	1326.2	1326.2	1326.2	1320.2	1303.9	1265.2	1192.1	1070.9	907.7



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1271.5	1299.6	1314.6	1320.7	1314.6	1299.6	1271.5	1215.0	1128.9	1006.3	851.3
115°	1192.1	1233.4	1257.5	1268.7	1257.5	1233.4	1192.1	1125.1	1031.4	913.7	780.4
117.5°	1104.0	1146.6	1170.4	1177.3	1170.4	1146.6	1104.0	1036.9	951.0	849.5	734.7
120°	1046.9	1088.1	1111.4	1118.3	1111.4	1088.1	1046.9	983.3	907.7	813.1	710.0
122.5°	998.8	1036.6	1059.8	1066.0	1059.8	1036.6	998.8	942.0	871.2	787.0	691.4
125°	936.9	972.1	991.0	999.6	991.0	972.1	936.9	888.7	826.8	752.1	664.4
127.5°	890.1	921.2	939.1	942.9	939.1	921.2	890.1	846.4	788.5	718.8	636.9
130°	861.3	889.6	906.8	912.0	906.8	889.6	861.3	818.3	762.4	695.3	619.7
132.5°	831.0	859.4	875.1	881.0	875.1	859.4	831.0	788.0	734.2	673.3	602.5
135°	781.3	809.7	825.1	830.3	825.1	809.7	781.3	743.5	694.5	639.5	580.1
137.5°	730.4	756.2	770.5	776.1	770.5	756.2	730.4	696.5	655.0	609.2	561.3
140°	698.8	721.2	734.0	738.3	734.0	721.2	698.8	667.0	630.9	591.3	551.0
142.5°	668.6	687.4	699.6	703.3	699.6	687.4	668.6	641.5	610.3	576.2	542.0
145°	627.4	642.0	651.5	655.0	651.5	642.0	627.4	606.8	583.6	557.0	530.3
147.5°	595.3	607.0	612.5	614.1	612.5	607.0	595.3	578.9	561.5	541.0	519.4
150°	576.7	587.0	590.5	591.3	590.5	587.0	576.7	563.9	548.4	532.0	513.2
152.5°	560.9	569.2	572.6	573.4	572.6	569.2	560.9	550.1	538.0	523.1	506.3
155°	539.8	545.8	548.4	549.2	548.4	545.8	539.8	531.2	521.8	509.7	495.9
157.5°	520.4	525.3	527.7	527.5	527.7	525.3	520.4	513.7	506.3	497.0	485.6
160°	508.0	512.3	514.0	513.2	514.0	512.3	508.0	502.0	495.9	487.3	478.7
162.5°	496.3	499.9	500.2	500.1	500.2	499.9	496.3	491.6	486.3	479.1	471.2
165°	479.6	481.3	481.3	481.3	481.3	481.3	479.6	476.1	471.9	466.7	460.7
167.5°	463.5	465.0	464.3	464.2	464.3	465.0	463.5	461.8	458.7	454.7	450.7
170°	453.8	454.7	454.7	453.8	454.7	454.7	453.8	452.1	450.4	447.8	445.2
172.5°	444.9	446.4	445.1	444.2	445.1	446.4	444.9	444.5	443.5	441.6	439.0
175°	434.0	434.9	433.2	432.3	433.2	434.9	434.0	434.0	434.0	432.3	432.3
177.5°	427.7	428.3	426.3	426.3	426.3	428.3	427.7	428.3	428.3	428.3	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1007.2	1011.5	1016.8	1020.8	1027.9	1031.1	1035.1	1038.3	1044.0	1049.4	1055.8
5°	939.4	946.9	957.2	968.4	981.4	990.3	1002.8	1010.4	1025.6	1039.5	1052.8
7.5°	877.8	887.1	901.6	916.0	933.0	948.3	964.0	981.4	1000.7	1023.6	1042.6
10°	835.6	848.1	863.8	881.7	902.2	920.1	941.1	959.8	983.6	1010.4	1035.4
12.5°	801.9	812.7	830.2	847.3	869.3	891.1	912.8	937.7	965.4	995.1	1026.5
15°	755.5	764.5	778.8	802.5	824.8	846.4	879.0	902.2	937.1	970.2	1008.1
17.5°	715.9	727.0	739.1	759.4	782.6	809.4	838.5	867.7	901.3	943.2	986.1
20°	691.6	700.6	714.5	730.0	754.7	781.5	809.3	838.7	879.9	923.3	969.2
22.5°	665.1	674.9	690.4	707.6	728.2	754.0	784.5	816.9	859.8	902.5	952.4
25°	634.0	640.7	655.0	670.2	690.8	712.6	744.4	780.2	822.6	871.3	922.3
27.5°	604.5	610.4	623.5	636.7	655.3	681.3	709.7	745.8	785.8	835.3	891.7
30°	583.4	589.7	601.3	615.6	633.5	656.3	685.4	719.4	762.2	810.5	869.6
32.5°	565.2	570.8	579.5	593.8	611.3	633.4	660.3	695.0	738.0	787.0	844.9
35°	536.9	543.2	549.9	561.1	576.3	597.7	627.2	659.9	701.0	748.4	801.6
37.5°	508.9	515.7	521.7	531.7	545.5	564.5	590.0	624.0	661.2	706.8	757.9
40°	491.4	496.7	501.6	512.4	526.2	544.1	567.8	598.2	637.6	680.0	722.5
42.5°	473.8	478.8	483.0	492.3	505.1	522.3	544.9	574.5	611.1	650.7	688.1
45°	446.2	449.4	454.3	462.3	472.6	488.2	510.1	536.5	567.3	604.9	633.1
47.5°	416.3	421.2	425.2	432.3	440.7	456.1	477.1	499.6	527.5	555.4	575.3
50°	393.4	398.4	404.2	410.9	418.9	433.3	452.5	475.3	498.9	520.4	537.4
52.5°	372.0	376.5	382.7	389.1	398.9	411.0	427.4	447.7	471.1	486.5	500.6
55°	340.3	342.4	349.7	355.9	365.2	374.2	390.7	408.6	422.9	434.5	446.2
57.5°	307.8	310.8	315.0	320.6	329.8	340.4	352.0	367.7	376.2	382.2	391.2
60°	287.1	287.9	290.6	297.3	304.4	313.8	327.3	338.5	344.7	349.7	357.2
62.5°	264.2	264.3	268.8	273.7	279.1	289.2	300.1	309.1	314.3	316.7	324.0
65°	232.0	231.2	233.8	237.8	244.1	250.8	260.2	268.3	267.8	270.4	274.9
67.5°	199.2	198.3	198.3	202.2	207.2	213.3	219.7	224.4	224.5	228.0	230.2
70°	177.0	174.4	176.2	179.3	181.5	186.4	193.6	195.4	195.8	197.6	199.8
72.5°	154.1	153.3	154.7	156.0	157.6	161.4	167.5	168.6	168.7	169.7	173.4
75°	122.5	121.6	120.7	122.1	123.8	126.5	128.7	130.5	130.1	130.5	133.2
77.5°	91.9	89.3	88.9	89.6	90.1	91.6	93.9	93.8	94.3	94.2	97.2
80°	72.8	69.3	68.9	68.9	69.3	70.2	71.1	72.0	70.6	72.0	72.8
82.5°	53.6	51.4	51.3	51.0	51.1	51.2	51.7	52.3	52.0	52.7	53.2
85°	29.5	28.6	27.3	28.2	27.7	26.3	27.3	25.9	25.5	25.9	26.3
87.5°	12.9	13.1	12.1	11.9	11.2	11.4	10.3	9.6	9.0	9.0	9.8
90°	14.6	13.8	12.1	11.2	9.5	8.6	6.9	5.2	3.4	1.7	0.9
92.5°	224.3	277.1	281.5	196.1	117.4	70.5	45.4	30.6	20.0	12.7	10.5
95°	745.2	761.6	621.5	384.2	195.1	103.1	64.5	45.5	36.1	29.2	28.3
97.5°	942.9	813.3	554.9	306.7	168.2	107.3	79.4	62.4	53.0	48.1	47.1
100°	991.0	776.1	495.1	278.4	166.8	116.9	91.1	74.7	65.3	61.9	60.2
102.5°	962.2	710.8	449.7	266.8	173.0	128.5	103.5	88.5	78.4	75.6	74.6
105°	869.9	623.1	405.7	262.2	185.6	147.8	123.8	110.0	101.4	97.1	97.1
107.5°	775.6	562.8	387.1	270.1	204.6	168.0	146.3	132.0	124.9	120.9	119.2
110°	721.9	534.6	381.6	277.6	218.3	183.0	160.7	147.8	140.1	136.6	134.9



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	682.1	518.1	381.6	287.2	231.4	197.5	175.8	163.0	155.2	152.5	150.8
115°	638.6	500.2	384.2	301.7	251.8	220.1	198.5	185.6	177.9	175.3	173.7
117.5°	612.7	491.5	389.9	318.2	272.9	242.7	222.0	207.3	199.6	196.8	194.2
120°	598.2	487.3	395.4	329.2	287.9	257.9	236.3	221.8	214.0	210.6	208.0
122.5°	585.8	483.9	400.2	341.6	302.4	272.3	250.8	234.8	227.0	224.3	222.5
125°	569.0	479.6	408.3	358.4	321.5	293.1	270.8	254.4	246.7	242.4	240.6
127.5°	553.5	477.5	417.4	373.8	339.8	312.5	290.2	272.9	263.0	257.5	254.9
130°	543.2	476.1	422.9	384.2	351.5	324.9	302.6	284.5	273.4	266.5	263.9
132.5°	534.9	476.1	429.0	393.1	362.6	335.9	313.6	294.8	282.2	274.0	270.8
135°	525.1	476.1	437.5	405.7	377.3	350.7	327.4	309.4	295.7	285.3	281.9
137.5°	516.4	477.2	445.2	415.0	387.8	363.6	339.7	322.0	308.2	298.6	296.0
140°	512.3	477.9	448.7	421.2	395.4	370.5	347.2	330.9	317.2	306.9	304.3
142.5°	508.9	478.5	450.7	424.6	400.2	376.6	354.8	339.1	325.4	315.8	313.9
145°	503.7	477.9	453.0	429.7	408.3	385.9	366.2	350.7	338.6	330.0	328.3
147.5°	498.3	475.6	453.8	432.8	413.5	393.8	376.4	363.1	351.9	344.5	343.5
150°	494.2	473.6	453.8	434.9	416.9	398.0	383.3	371.3	360.2	354.1	352.4
152.5°	489.4	470.9	453.1	436.3	420.3	402.8	389.5	378.2	368.4	363.1	362.1
155°	481.3	465.9	451.3	437.5	423.7	409.1	397.1	388.5	379.9	374.7	374.7
157.5°	473.7	460.7	449.0	438.3	426.6	414.1	405.0	397.4	390.0	385.9	386.1
160°	467.6	457.3	446.9	438.3	428.0	416.9	409.1	402.3	396.2	392.8	393.6
162.5°	462.1	453.1	444.9	437.6	429.4	419.7	413.3	407.8	402.4	399.0	399.8
165°	453.8	446.9	441.8	436.6	429.7	422.9	417.8	414.3	410.0	407.4	409.1
167.5°	445.7	440.9	437.0	434.5	429.7	424.0	420.9	418.4	416.0	414.5	415.3
170°	440.9	437.5	434.9	433.2	429.7	425.4	422.9	421.2	419.5	418.6	419.5
172.5°	436.1	433.3	432.1	431.8	429.0	425.4	424.2	423.2	421.5	420.7	422.2
175°	429.7	428.9	428.9	429.7	428.0	425.4	425.4	425.4	424.6	423.7	425.4
177.5°	427.0	426.3	426.3	427.7	427.0	425.6	425.6	426.3	425.6	425.6	427.0
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



TEST NUMBER: P333234-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1059.0	1064.0	1067.3	1073.3	1078.3	1081.2	1083.7	1085.9	1088.4	1090.5	1096.6
5°	1065.8	1077.5	1087.3	1102.5	1116.4	1127.0	1138.7	1149.0	1157.5	1169.6	1179.0
7.5°	1062.9	1083.6	1105.2	1128.7	1152.7	1175.1	1195.7	1214.9	1232.3	1253.4	1272.0
10°	1060.1	1088.2	1115.9	1147.6	1180.3	1208.0	1233.9	1260.3	1279.5	1306.4	1329.1
12.5°	1057.9	1091.1	1124.5	1162.7	1198.5	1237.7	1272.2	1291.4	1320.7	1342.1	1369.2
15°	1048.9	1092.7	1138.7	1181.6	1232.6	1268.8	1299.2	1336.8	1364.0	1391.3	1420.8
17.5°	1032.7	1082.3	1133.8	1190.1	1239.0	1277.8	1317.0	1353.2	1385.8	1422.4	1459.1
20°	1025.2	1074.8	1133.8	1191.5	1239.3	1280.0	1320.3	1360.0	1395.8	1442.7	1485.2
22.5°	1009.4	1069.4	1123.8	1180.0	1229.2	1273.6	1319.1	1364.3	1411.9	1464.9	1518.1
25°	981.4	1042.2	1099.8	1155.3	1204.9	1260.3	1309.1	1369.4	1430.2	1500.4	1566.6
27.5°	952.2	1010.4	1063.2	1116.8	1174.7	1237.4	1300.6	1369.2	1448.7	1537.3	1630.6
30°	928.6	983.6	1035.0	1089.9	1150.3	1221.0	1290.3	1371.7	1463.7	1563.4	1674.3
32.5°	901.0	951.7	1001.7	1060.0	1125.7	1200.2	1281.0	1370.2	1480.9	1594.2	1708.3
35°	853.9	896.4	947.8	1010.0	1084.2	1169.6	1263.0	1368.5	1495.5	1625.6	1721.7
37.5°	798.1	837.6	891.7	959.8	1037.7	1129.3	1240.2	1365.4	1500.2	1604.0	1635.0
40°	760.5	797.1	853.5	924.1	1003.7	1100.7	1222.3	1354.6	1485.2	1551.3	1525.9
42.5°	720.4	758.9	813.7	883.7	969.4	1075.0	1199.8	1332.1	1441.6	1466.6	1378.5
45°	657.2	697.0	751.1	821.7	913.9	1028.3	1158.4	1278.7	1341.7	1296.5	1160.2
47.5°	598.5	635.8	685.9	758.8	853.9	972.2	1097.5	1193.4	1198.4	1090.7	945.0
50°	558.4	592.8	643.3	716.2	810.5	930.4	1043.4	1119.0	1085.0	963.0	823.0
52.5°	519.1	552.8	602.6	674.8	768.0	877.8	983.0	1036.0	972.1	846.8	727.2
55°	462.3	491.8	540.5	607.1	695.7	797.6	887.0	905.3	822.2	698.8	601.8
57.5°	406.8	434.4	478.7	540.1	621.0	711.3	781.2	777.3	689.4	583.5	506.5
60°	369.3	396.1	435.5	495.3	569.1	647.0	706.8	692.5	605.4	514.1	449.4
62.5°	335.7	359.6	396.8	449.2	516.5	588.7	637.8	616.7	531.3	451.5	400.3
65°	286.1	306.3	338.0	382.7	438.6	498.1	536.1	508.8	435.9	373.8	332.6
67.5°	238.8	254.9	281.5	317.3	364.9	412.7	435.8	408.4	350.1	304.7	274.2
70°	208.8	223.1	243.7	275.4	317.0	357.2	374.6	350.1	300.0	261.1	239.2
72.5°	178.7	190.5	208.6	237.1	270.4	305.4	320.6	297.1	256.0	223.2	202.7
75°	138.2	146.2	158.7	178.4	204.7	232.5	241.0	220.4	194.1	169.4	156.0
77.5°	98.9	105.7	115.2	127.6	146.3	163.9	171.3	159.5	139.1	123.5	112.4
80°	76.0	79.6	87.6	97.9	112.7	123.8	128.7	121.1	106.9	95.2	86.7
82.5°	54.2	57.8	62.6	71.1	80.5	88.1	93.3	88.3	77.9	68.8	63.8
85°	26.3	28.6	31.3	34.9	42.0	46.5	46.1	42.9	38.9	35.3	32.6
87.5°	9.6	10.3	11.8	13.9	15.3	16.9	18.0	17.4	16.4	15.4	14.6
90°	1.7	3.4	5.2	6.9	8.6	9.5	11.2	12.1	13.8	14.6	15.5
92.5°	12.7	20.0	30.6	45.4	70.5	117.4	196.1	281.5	277.1	224.3	152.3
95°	29.2	36.1	45.5	64.5	103.1	195.1	384.2	621.5	761.6	745.2	618.0
97.5°	48.1	53.0	62.4	79.4	107.3	168.2	306.7	554.9	813.3	942.9	920.4
100°	61.9	65.3	74.7	91.1	116.9	166.8	278.4	495.1	776.1	991.0	1057.2
102.5°	75.6	78.4	88.5	103.5	128.5	173.0	266.8	449.7	710.8	962.2	1103.3
105°	97.1	101.4	110.0	123.8	147.8	185.6	262.2	405.7	623.1	869.9	1076.1
107.5°	120.9	124.9	132.0	146.3	168.0	204.6	270.1	387.1	562.8	775.6	979.1
110°	136.6	140.1	147.8	160.7	183.0	218.3	277.6	381.6	534.6	721.9	907.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	152.5	155.2	163.0	175.8	197.5	231.4	287.2	381.6	518.1	682.1	851.3
115°	175.3	177.9	185.6	198.5	220.1	251.8	301.7	384.2	500.2	638.6	780.4
117.5°	196.8	199.6	207.3	222.0	242.7	272.9	318.2	389.9	491.5	612.7	734.7
120°	210.6	214.0	221.8	236.3	257.9	287.9	329.2	395.4	487.3	598.2	710.0
122.5°	224.3	227.0	234.8	250.8	272.3	302.4	341.6	400.2	483.9	585.8	691.4
125°	242.4	246.7	254.4	270.8	293.1	321.5	358.4	408.3	479.6	569.0	664.4
127.5°	257.5	263.0	272.9	290.2	312.5	339.8	373.8	417.4	477.5	553.5	636.9
130°	266.5	273.4	284.5	302.6	324.9	351.5	384.2	422.9	476.1	543.2	619.7
132.5°	274.0	282.2	294.8	313.6	335.9	362.6	393.1	429.0	476.1	534.9	602.5
135°	285.3	295.7	309.4	327.4	350.7	377.3	405.7	437.5	476.1	525.1	580.1
137.5°	298.6	308.2	322.0	339.7	363.6	387.8	415.0	445.2	477.2	516.4	561.3
140°	306.9	317.2	330.9	347.2	370.5	395.4	421.2	448.7	477.9	512.3	551.0
142.5°	315.8	325.4	339.1	354.8	376.6	400.2	424.6	450.7	478.5	508.9	542.0
145°	330.0	338.6	350.7	366.2	385.9	408.3	429.7	453.0	477.9	503.7	530.3
147.5°	344.5	351.9	363.1	376.4	393.8	413.5	432.8	453.8	475.6	498.3	519.4
150°	354.1	360.2	371.3	383.3	398.0	416.9	434.9	453.8	473.6	494.2	513.2
152.5°	363.1	368.4	378.2	389.5	402.8	420.3	436.3	453.1	470.9	489.4	506.3
155°	374.7	379.9	388.5	397.1	409.1	423.7	437.5	451.3	465.9	481.3	495.9
157.5°	385.9	390.0	397.4	405.0	414.1	426.6	438.3	449.0	460.7	473.7	485.6
160°	392.8	396.2	402.3	409.1	416.9	428.0	438.3	446.9	457.3	467.6	478.7
162.5°	399.0	402.4	407.8	413.3	419.7	429.4	437.6	444.9	453.1	462.1	471.2
165°	407.4	410.0	414.3	417.8	422.9	429.7	436.6	441.8	446.9	453.8	460.7
167.5°	414.5	416.0	418.4	420.9	424.0	429.7	434.5	437.0	440.9	445.7	450.7
170°	418.6	419.5	421.2	422.9	425.4	429.7	433.2	434.9	437.5	440.9	445.2
172.5°	420.7	421.5	423.2	424.2	425.4	429.0	431.8	432.1	433.3	436.1	439.0
175°	423.7	424.6	425.4	425.4	425.4	428.0	429.7	428.9	428.9	429.7	432.3
177.5°	425.6	425.6	426.3	425.6	425.6	427.0	427.7	426.3	426.3	427.0	427.7
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3	426.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1101.6	1104.5	1110.5	1108.4	1111.3	1112.7	1114.1
5°	1190.6	1204.9	1211.2	1210.2	1219.6	1217.4	1215.1
7.5°	1291.1	1306.1	1314.5	1325.0	1331.0	1331.5	1336.8
10°	1348.0	1367.6	1375.7	1386.8	1394.0	1398.0	1397.6
12.5°	1391.5	1407.0	1425.0	1430.5	1440.1	1445.2	1443.4
15°	1444.1	1468.7	1487.5	1496.8	1508.9	1512.4	1517.4
17.5°	1490.9	1523.9	1545.8	1574.9	1586.0	1592.7	1588.7
20°	1526.3	1569.7	1591.6	1626.5	1645.7	1656.0	1652.4
22.5°	1568.1	1615.1	1655.6	1685.8	1715.1	1729.0	1731.8
25°	1639.9	1704.3	1763.8	1803.5	1839.7	1848.2	1867.0
27.5°	1720.0	1796.0	1859.5	1901.3	1926.6	1936.0	1941.9
30°	1770.5	1846.0	1893.9	1920.6	1928.7	1927.8	1926.9
32.5°	1795.1	1842.5	1851.6	1844.1	1825.7	1810.2	1793.9
35°	1760.1	1724.8	1672.1	1604.1	1554.0	1503.6	1498.6
37.5°	1583.0	1470.1	1382.2	1284.2	1227.6	1192.7	1168.5
40°	1416.3	1288.1	1181.6	1098.9	1041.2	1018.5	996.1
42.5°	1235.4	1112.8	1018.6	949.4	906.0	880.7	863.1
45°	1003.7	895.5	821.7	771.6	737.3	717.6	706.4
47.5°	822.4	742.4	679.8	643.6	619.8	604.5	604.6
50°	725.1	648.7	607.1	578.5	557.9	545.9	548.1
52.5°	638.9	581.9	546.3	522.4	507.1	499.7	499.5
55°	534.3	493.1	469.8	452.5	442.1	433.7	435.5
57.5°	457.0	422.3	406.7	392.3	385.1	381.7	376.8
60°	409.1	382.3	368.9	357.2	350.1	347.4	342.4
62.5°	366.5	345.4	332.3	322.9	316.4	315.6	311.7
65°	308.1	292.0	280.3	275.9	269.1	267.3	267.3
67.5°	253.9	242.4	233.4	229.3	226.3	226.8	224.6
70°	220.0	210.6	204.7	200.3	198.0	198.5	196.7
72.5°	192.4	181.9	176.8	174.2	171.3	172.4	171.7
75°	145.8	140.3	137.7	135.0	133.2	132.3	131.5
77.5°	107.0	102.3	100.2	98.8	99.0	96.9	98.5
80°	82.7	78.7	77.3	75.1	74.6	74.6	74.2
82.5°	60.5	58.3	57.3	55.4	54.7	55.4	54.2
85°	31.3	29.5	29.1	29.1	28.2	27.3	29.5
87.5°	14.7	13.4	13.8	13.4	13.4	13.3	12.6
90°	16.4	17.2	18.9	18.9	18.9	19.8	19.8
92.5°	110.6	83.2	70.5	59.5	57.4	56.2	54.8
95°	487.3	381.6	309.4	248.4	222.7	215.8	202.0
97.5°	828.7	725.7	625.3	572.3	524.1	499.2	488.2
100°	1015.1	926.5	837.2	777.8	716.0	684.2	670.5
102.5°	1129.2	1086.8	1026.2	962.9	918.9	884.2	873.9
105°	1193.9	1231.7	1222.2	1194.7	1166.4	1149.2	1138.8
107.5°	1136.3	1233.4	1278.2	1292.2	1292.0	1286.3	1279.4
110°	1070.9	1192.1	1265.2	1303.9	1320.2	1326.2	1326.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1006.3	1128.9	1215.0	1271.5	1299.6	1314.6	1320.7
115°	913.7	1031.4	1125.1	1192.1	1233.4	1257.5	1268.7
117.5°	849.5	951.0	1036.9	1104.0	1146.6	1170.4	1177.3
120°	813.1	907.7	983.3	1046.9	1088.1	1111.4	1118.3
122.5°	787.0	871.2	942.0	998.8	1036.6	1059.8	1066.0
125°	752.1	826.8	888.7	936.9	972.1	991.0	999.6
127.5°	718.8	788.5	846.4	890.1	921.2	939.1	942.9
130°	695.3	762.4	818.3	861.3	889.6	906.8	912.0
132.5°	673.3	734.2	788.0	831.0	859.4	875.1	881.0
135°	639.5	694.5	743.5	781.3	809.7	825.1	830.3
137.5°	609.2	655.0	696.5	730.4	756.2	770.5	776.1
140°	591.3	630.9	667.0	698.8	721.2	734.0	738.3
142.5°	576.2	610.3	641.5	668.6	687.4	699.6	703.3
145°	557.0	583.6	606.8	627.4	642.0	651.5	655.0
147.5°	541.0	561.5	578.9	595.3	607.0	612.5	614.1
150°	532.0	548.4	563.9	576.7	587.0	590.5	591.3
152.5°	523.1	538.0	550.1	560.9	569.2	572.6	573.4
155°	509.7	521.8	531.2	539.8	545.8	548.4	549.2
157.5°	497.0	506.3	513.7	520.4	525.3	527.7	527.5
160°	487.3	495.9	502.0	508.0	512.3	514.0	513.2
162.5°	479.1	486.3	491.6	496.3	499.9	500.2	500.1
165°	466.7	471.9	476.1	479.6	481.3	481.3	481.3
167.5°	454.7	458.7	461.8	463.5	465.0	464.3	464.2
170°	447.8	450.4	452.1	453.8	454.7	454.7	453.8
172.5°	441.6	443.5	444.5	444.9	446.4	445.1	444.2
175°	432.3	434.0	434.0	434.0	434.9	433.2	432.3
177.5°	428.3	428.3	428.3	427.7	428.3	426.3	426.3
180°	426.3	426.3	426.3	426.3	426.3	426.3	426.3

(END OF REPORT)