

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: P333243-935

Luminaire Tested: **S125DIP-S850D1205U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333243-935
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-S850D1205U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6696.3 lumens
Efficiency: N/A
Efficacy: 117.7 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

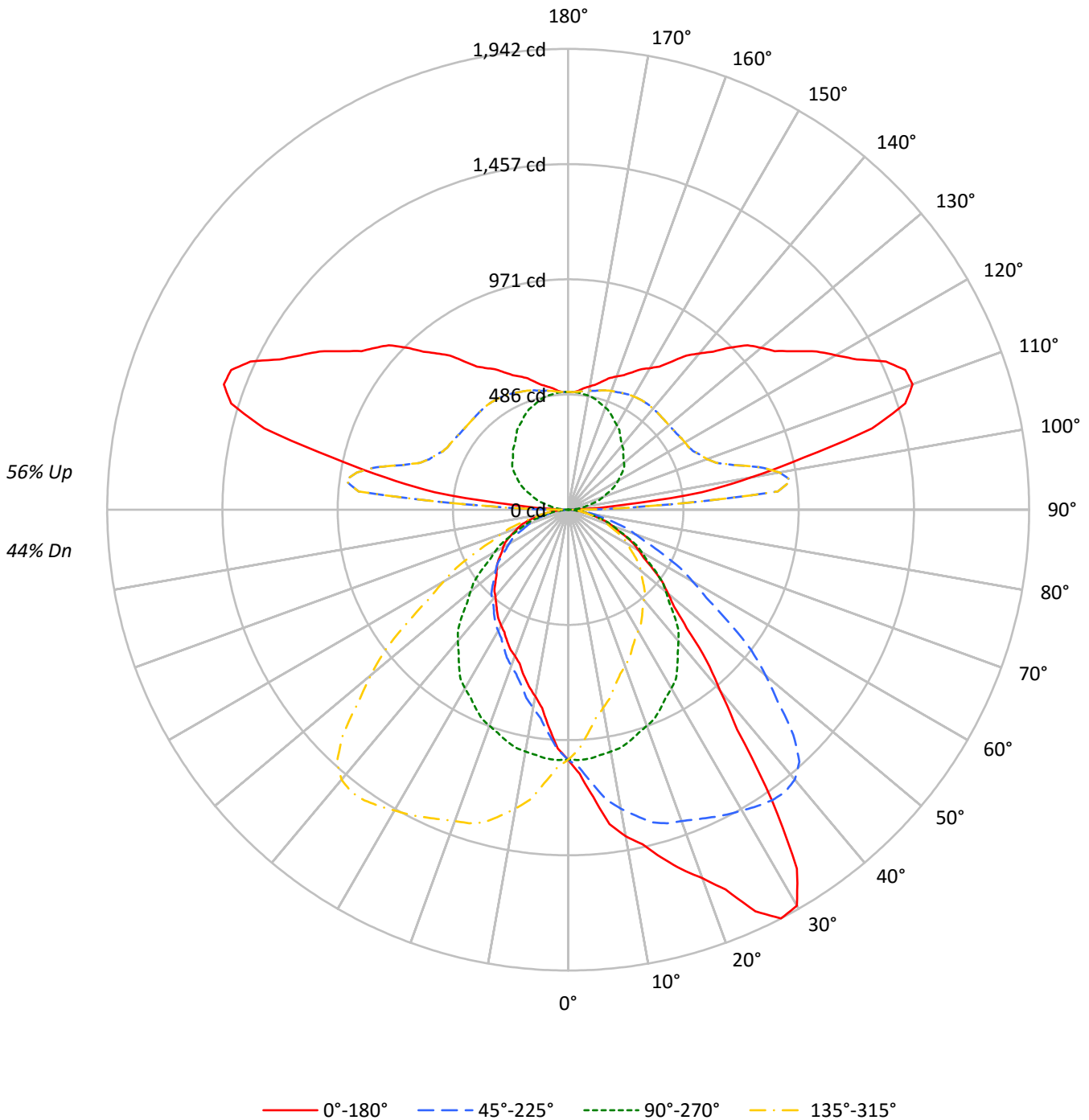
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	93	89	85	88	85	82	79	71	68	66	57	56	55	45	44	43	38				
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32				
3	81	71	64	58	74	66	59	54	55	50	47	45	42	39	36	33	32	27				
4	74	63	55	50	67	58	51	46	49	44	40	40	36	33	32	29	27	24				
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20				
6	62	50	42	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18				
7	58	46	38	32	53	42	35	30	36	30	26	30	25	22	24	21	19	16				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14				
9	50	38	30	25	46	35	28	24	30	24	21	25	21	18	20	17	15	13				
10	46	34	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12				

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	1.5
10°-20°	301.9	4.5
20°-30°	490.2	7.3
30°-40°	598.0	8.9
40°-50°	544.0	8.1
50°-60°	433.3	6.5
60°-70°	301.8	4.5
70°-80°	160.9	2.4
80°-90°	43.4	0.6
90°-100°	359.7	5.4
100°-110°	773.2	11.5
110°-120°	725.6	10.8
120°-130°	588.1	8.8
130°-140°	471.9	7.0
140°-150°	356.1	5.3
150°-160°	250.7	3.7
160°-170°	147.8	2.2
170°-180°	48.1	0.7
0°-30°	893.6	13.3
0°-40°	1491.6	22.3
0°-60°	2468.9	36.9
0°-90°	2975.0	44.4
90°-120°	1858.5	27.8
90°-150°	3274.7	48.9
90°-180°	3721.0	55.6
0°-180°	6696.3	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°	23	1	23	1	23	17
95°	235	33	235	33	235	333
105°	1326	113	1326	113	1326	1318
115°	1477	202	1477	202	1477	1443
125°	1164	280	1164	280	1164	1053
135°	966	328	966	328	966	749
145°	762	382	762	382	762	484
155°	639	436	639	436	639	298
165°	560	476	560	476	560	160
175°	503	495	503	495	503	49
180°	496	496	496	496	496	



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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°	13.2	13.9	14.0	14.0	14.4	14.0	15.2	15.1	15.9	16.8	17.8
90°	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0	17.0	16.0	14.0
92.5°	63.8	65.4	66.8	69.2	82.1	96.9	128.6	177.3	261.1	322.5	327.8
95°	235.1	251.2	259.1	289.1	360.2	444.2	567.2	719.3	867.4	886.4	723.3
97.5°	568.3	581.1	610.1	666.1	727.9	844.8	964.7	1071.3	1097.5	946.6	645.9
100°	780.3	796.3	833.4	905.4	974.4	1078.5	1181.6	1230.5	1153.5	903.4	576.3
102.5°	1017.3	1029.2	1069.4	1120.7	1194.6	1265.0	1314.4	1284.2	1119.9	827.3	523.4
105°	1325.6	1337.6	1357.6	1390.6	1422.6	1433.7	1389.7	1252.6	1012.4	725.3	472.2
107.5°	1489.3	1497.3	1503.9	1504.1	1487.9	1435.6	1322.6	1139.7	902.8	655.0	450.6
110°	1543.7	1543.7	1536.7	1517.7	1472.7	1387.6	1246.6	1056.4	840.3	622.2	444.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1537.3	1530.1	1512.7	1480.1	1414.2	1314.0	1171.3	990.8	793.9	603.0	444.2
115°	1476.6	1463.6	1435.6	1387.6	1309.6	1200.5	1063.5	908.4	743.3	582.3	447.2
117.5°	1370.4	1362.4	1334.6	1285.0	1206.9	1106.9	988.9	855.1	713.1	572.0	453.8
120°	1301.6	1293.6	1266.5	1218.6	1144.5	1056.4	946.4	826.4	696.3	567.2	460.2
122.5°	1240.8	1233.6	1206.5	1162.5	1096.5	1014.1	916.0	804.8	681.9	563.3	465.8
125°	1163.6	1153.5	1131.5	1090.5	1034.5	962.4	875.4	773.4	662.3	558.3	475.2
127.5°	1097.5	1093.1	1072.3	1036.0	985.2	917.8	836.5	741.3	644.3	555.9	485.8
130°	1061.4	1055.5	1035.4	1002.5	952.4	887.4	809.3	721.3	632.3	554.2	492.2
132.5°	1025.5	1018.6	1000.2	967.2	917.2	854.5	783.8	701.3	622.7	554.2	499.4
135°	966.5	960.4	942.5	909.4	865.4	808.4	744.3	675.3	611.3	554.2	509.2
137.5°	903.4	896.8	880.2	850.2	810.8	762.3	709.1	653.3	601.1	555.4	518.2
140°	859.4	854.4	839.4	813.4	776.4	734.3	688.3	641.3	596.2	556.2	522.2
142.5°	818.6	814.3	800.1	778.2	746.7	710.3	670.7	630.9	592.3	557.1	524.6
145°	762.3	758.4	747.3	730.3	706.3	679.3	648.2	617.3	586.3	556.2	527.3
147.5°	714.7	712.9	706.5	692.9	673.9	653.5	629.6	604.5	580.1	553.6	528.2
150°	688.3	687.3	683.3	671.3	656.3	638.3	619.3	597.3	575.2	551.2	528.2
152.5°	667.5	666.5	662.5	652.9	640.3	626.3	608.9	589.3	569.6	548.0	527.4
155°	639.3	638.3	635.2	628.3	618.3	607.3	593.2	577.2	560.3	542.3	525.2
157.5°	614.1	614.2	611.5	605.6	597.9	589.3	578.4	565.2	551.5	536.2	522.6
160°	597.3	598.3	596.2	591.2	584.3	577.2	567.2	557.2	544.2	532.3	520.2
162.5°	582.0	582.3	581.9	577.6	572.2	566.0	557.7	548.5	537.9	527.4	517.8
165°	560.3	560.3	560.3	558.3	554.2	549.2	543.2	536.2	528.2	520.2	514.2
167.5°	540.3	540.4	541.2	539.4	537.4	533.8	529.3	524.6	518.8	513.2	508.6
170°	528.2	529.3	529.3	528.2	526.2	524.3	521.2	518.2	513.2	509.2	506.3
172.5°	517.0	518.1	519.6	517.8	517.5	516.3	514.0	511.0	507.6	504.5	503.0
175°	503.3	504.2	506.3	505.2	505.2	505.2	503.3	503.3	500.2	499.2	499.2
177.5°	496.2	496.2	498.6	497.8	498.6	498.6	498.6	497.8	497.1	496.2	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



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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°	18.3	17.2	15.6	14.1	12.0	10.4	9.7	9.8	9.0	9.0	9.8
90°	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0	2.0	4.0	6.0
92.5°	228.3	136.6	82.1	52.9	35.6	23.2	14.8	12.2	14.8	23.2	35.6
95°	447.2	227.1	120.0	75.0	53.0	42.0	34.0	33.0	34.0	42.0	53.0
97.5°	357.0	195.7	124.8	92.5	72.7	61.6	56.1	54.8	56.1	61.6	72.7
100°	324.2	194.1	136.0	106.1	87.0	76.0	72.1	70.0	72.1	76.0	87.0
102.5°	310.6	201.3	149.6	120.5	103.1	91.3	88.1	86.9	88.1	91.3	103.1
105°	305.1	216.1	172.1	144.0	128.0	118.0	113.0	113.0	113.0	118.0	128.0
107.5°	314.4	238.1	195.4	170.3	153.7	145.4	140.7	138.6	140.7	145.4	153.7
110°	323.1	254.1	213.1	187.1	172.1	163.1	159.1	157.0	159.1	163.1	172.1



TEST NUMBER: P333243-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.3	269.3	229.9	204.7	189.7	180.6	177.5	175.5	177.5	180.6	189.7
115°	351.1	293.2	256.1	231.1	216.1	207.1	204.1	202.1	204.1	207.1	216.1
117.5°	370.4	317.5	282.5	258.3	241.3	232.3	229.1	226.1	229.1	232.3	241.3
120°	383.1	335.2	300.1	275.1	258.1	249.1	245.1	242.1	245.1	249.1	258.1
122.5°	397.6	352.0	316.9	292.0	273.3	264.3	261.1	258.9	261.1	264.3	273.3
125°	417.2	374.2	341.1	315.1	296.1	287.1	282.1	280.1	282.1	287.1	296.1
127.5°	435.2	395.5	363.8	337.8	317.5	306.2	299.7	296.7	299.7	306.2	317.5
130°	447.2	409.1	378.2	352.1	331.1	318.1	310.1	307.1	310.1	318.1	331.1
132.5°	457.6	422.0	391.0	365.0	343.2	328.6	318.9	315.1	318.9	328.6	343.2
135°	472.2	439.2	408.2	381.2	360.2	344.1	332.2	328.1	332.2	344.1	360.2
137.5°	483.0	451.4	423.2	395.4	374.8	358.8	347.6	344.6	347.6	358.8	374.8
140°	490.3	460.2	431.2	404.2	385.2	369.2	357.1	354.1	357.1	369.2	385.2
142.5°	494.2	465.8	438.4	413.0	394.8	378.8	367.6	365.3	367.6	378.8	394.8
145°	500.2	475.2	449.2	426.2	408.2	394.2	384.2	382.2	384.2	394.2	408.2
147.5°	503.9	481.2	458.4	438.2	422.6	409.6	401.0	399.8	401.0	409.6	422.6
150°	506.3	485.2	463.2	446.2	432.2	419.2	412.2	410.2	412.2	419.2	432.2
152.5°	507.8	489.2	468.8	453.4	440.2	428.8	422.6	421.4	422.6	428.8	440.2
155°	509.2	493.2	476.2	462.2	452.2	442.2	436.2	436.2	436.2	442.2	452.2
157.5°	510.2	496.6	482.0	471.4	462.6	454.0	449.2	449.4	449.2	454.0	462.6
160°	510.2	498.3	485.2	476.2	468.2	461.2	457.2	458.2	457.2	461.2	468.2
162.5°	509.5	499.8	488.4	481.0	474.6	468.4	464.4	465.4	464.4	468.4	474.6
165°	508.2	500.2	492.2	486.2	482.2	477.3	474.2	476.2	474.2	477.3	482.2
167.5°	505.8	500.2	493.6	489.8	487.0	484.2	482.4	483.5	482.4	484.2	487.0
170°	504.2	500.2	495.2	492.2	490.3	488.2	487.2	488.2	487.2	488.2	490.3
172.5°	502.7	499.4	495.2	493.8	492.6	490.6	489.7	491.5	489.7	490.6	492.6
175°	500.2	498.3	495.2	495.2	495.2	494.2	493.2	495.2	493.2	494.2	495.2
177.5°	497.8	497.1	495.4	495.4	496.2	495.4	495.4	497.1	495.4	495.4	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-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°	10.5	11.6	11.5	12.2	12.5	13.6	13.4	15.1	15.9	16.9	17.0
90°	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0	19.0	20.0	22.0
92.5°	52.9	82.1	136.6	228.3	327.8	322.5	261.1	177.3	128.6	96.9	82.1
95°	75.0	120.0	227.1	447.2	723.3	886.4	867.4	719.3	567.2	444.2	360.2
97.5°	92.5	124.8	195.7	357.0	645.9	946.6	1097.5	1071.3	964.7	844.8	727.9
100°	106.1	136.0	194.1	324.2	576.3	903.4	1153.5	1230.5	1181.6	1078.5	974.4
102.5°	120.5	149.6	201.3	310.6	523.4	827.3	1119.9	1284.2	1314.4	1265.0	1194.6
105°	144.0	172.1	216.1	305.1	472.2	725.3	1012.4	1252.6	1389.7	1433.7	1422.6
107.5°	170.3	195.4	238.1	314.4	450.6	655.0	902.8	1139.7	1322.6	1435.6	1487.9
110°	187.1	213.1	254.1	323.1	444.2	622.2	840.3	1056.4	1246.6	1387.6	1472.7



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.7	229.9	269.3	334.3	444.2	603.0	793.9	990.8	1171.3	1314.0	1414.2
115°	231.1	256.1	293.2	351.1	447.2	582.3	743.3	908.4	1063.5	1200.5	1309.6
117.5°	258.3	282.5	317.5	370.4	453.8	572.0	713.1	855.1	988.9	1106.9	1206.9
120°	275.1	300.1	335.2	383.1	460.2	567.2	696.3	826.4	946.4	1056.4	1144.5
122.5°	292.0	316.9	352.0	397.6	465.8	563.3	681.9	804.8	916.0	1014.1	1096.5
125°	315.1	341.1	374.2	417.2	475.2	558.3	662.3	773.4	875.4	962.4	1034.5
127.5°	337.8	363.8	395.5	435.2	485.8	555.9	644.3	741.3	836.5	917.8	985.2
130°	352.1	378.2	409.1	447.2	492.2	554.2	632.3	721.3	809.3	887.4	952.4
132.5°	365.0	391.0	422.0	457.6	499.4	554.2	622.7	701.3	783.8	854.5	917.2
135°	381.2	408.2	439.2	472.2	509.2	554.2	611.3	675.3	744.3	808.4	865.4
137.5°	395.4	423.2	451.4	483.0	518.2	555.4	601.1	653.3	709.1	762.3	810.8
140°	404.2	431.2	460.2	490.3	522.2	556.2	596.2	641.3	688.3	734.3	776.4
142.5°	413.0	438.4	465.8	494.2	524.6	557.1	592.3	630.9	670.7	710.3	746.7
145°	426.2	449.2	475.2	500.2	527.3	556.2	586.3	617.3	648.2	679.3	706.3
147.5°	438.2	458.4	481.2	503.9	528.2	553.6	580.1	604.5	629.6	653.5	673.9
150°	446.2	463.2	485.2	506.3	528.2	551.2	575.2	597.3	619.3	638.3	656.3
152.5°	453.4	468.8	489.2	507.8	527.4	548.0	569.6	589.3	608.9	626.3	640.3
155°	462.2	476.2	493.2	509.2	525.2	542.3	560.3	577.2	593.2	607.3	618.3
157.5°	471.4	482.0	496.6	510.2	522.6	536.2	551.5	565.2	578.4	589.3	597.9
160°	476.2	485.2	498.3	510.2	520.2	532.3	544.2	557.2	567.2	577.2	584.3
162.5°	481.0	488.4	499.8	509.5	517.8	527.4	537.9	548.5	557.7	566.0	572.2
165°	486.2	492.2	500.2	508.2	514.2	520.2	528.2	536.2	543.2	549.2	554.2
167.5°	489.8	493.6	500.2	505.8	508.6	513.2	518.8	524.6	529.3	533.8	537.4
170°	492.2	495.2	500.2	504.2	506.3	509.2	513.2	518.2	521.2	524.3	526.2
172.5°	493.8	495.2	499.4	502.7	503.0	504.5	507.6	511.0	514.0	516.3	517.5
175°	495.2	495.2	498.3	500.2	499.2	499.2	500.2	503.3	503.3	505.2	505.2
177.5°	495.4	495.4	497.1	497.8	496.2	496.2	497.1	497.8	498.6	498.6	498.6
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-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°	17.7	17.3	17.5	18.2	17.5	17.3	17.7	17.0	16.9	15.9	15.1
90°	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0
92.5°	69.2	66.8	65.4	63.8	65.4	66.8	69.2	82.1	96.9	128.6	177.3
95°	289.1	259.1	251.2	235.1	251.2	259.1	289.1	360.2	444.2	567.2	719.3
97.5°	666.1	610.1	581.1	568.3	581.1	610.1	666.1	727.9	844.8	964.7	1071.3
100°	905.4	833.4	796.3	780.3	796.3	833.4	905.4	974.4	1078.5	1181.6	1230.5
102.5°	1120.7	1069.4	1029.2	1017.3	1029.2	1069.4	1120.7	1194.6	1265.0	1314.4	1284.2
105°	1390.6	1357.6	1337.6	1325.6	1337.6	1357.6	1390.6	1422.6	1433.7	1389.7	1252.6
107.5°	1504.1	1503.9	1497.3	1489.3	1497.3	1503.9	1504.1	1487.9	1435.6	1322.6	1139.7
110°	1517.7	1536.7	1543.7	1543.7	1543.7	1536.7	1517.7	1472.7	1387.6	1246.6	1056.4



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1480.1	1512.7	1530.1	1537.3	1530.1	1512.7	1480.1	1414.2	1314.0	1171.3	990.8
115°	1387.6	1435.6	1463.6	1476.6	1463.6	1435.6	1387.6	1309.6	1200.5	1063.5	908.4
117.5°	1285.0	1334.6	1362.4	1370.4	1362.4	1334.6	1285.0	1206.9	1106.9	988.9	855.1
120°	1218.6	1266.5	1293.6	1301.6	1293.6	1266.5	1218.6	1144.5	1056.4	946.4	826.4
122.5°	1162.5	1206.5	1233.6	1240.8	1233.6	1206.5	1162.5	1096.5	1014.1	916.0	804.8
125°	1090.5	1131.5	1153.5	1163.6	1153.5	1131.5	1090.5	1034.5	962.4	875.4	773.4
127.5°	1036.0	1072.3	1093.1	1097.5	1093.1	1072.3	1036.0	985.2	917.8	836.5	741.3
130°	1002.5	1035.4	1055.5	1061.4	1055.5	1035.4	1002.5	952.4	887.4	809.3	721.3
132.5°	967.2	1000.2	1018.6	1025.5	1018.6	1000.2	967.2	917.2	854.5	783.8	701.3
135°	909.4	942.5	960.4	966.5	960.4	942.5	909.4	865.4	808.4	744.3	675.3
137.5°	850.2	880.2	896.8	903.4	896.8	880.2	850.2	810.8	762.3	709.1	653.3
140°	813.4	839.4	854.4	859.4	854.4	839.4	813.4	776.4	734.3	688.3	641.3
142.5°	778.2	800.1	814.3	818.6	814.3	800.1	778.2	746.7	710.3	670.7	630.9
145°	730.3	747.3	758.4	762.3	758.4	747.3	730.3	706.3	679.3	648.2	617.3
147.5°	692.9	706.5	712.9	714.7	712.9	706.5	692.9	673.9	653.5	629.6	604.5
150°	671.3	683.3	687.3	688.3	687.3	683.3	671.3	656.3	638.3	619.3	597.3
152.5°	652.9	662.5	666.5	667.5	666.5	662.5	652.9	640.3	626.3	608.9	589.3
155°	628.3	635.2	638.3	639.3	638.3	635.2	628.3	618.3	607.3	593.2	577.2
157.5°	605.6	611.5	614.2	614.1	614.2	611.5	605.6	597.9	589.3	578.4	565.2
160°	591.2	596.2	598.3	597.3	598.3	596.2	591.2	584.3	577.2	567.2	557.2
162.5°	577.6	581.9	582.3	582.0	582.3	581.9	577.6	572.2	566.0	557.7	548.5
165°	558.3	560.3	560.3	560.3	560.3	560.3	558.3	554.2	549.2	543.2	536.2
167.5°	539.4	541.2	540.4	540.3	540.4	541.2	539.4	537.4	533.8	529.3	524.6
170°	528.2	529.3	529.3	528.2	529.3	529.3	528.2	526.2	524.3	521.2	518.2
172.5°	517.8	519.6	518.1	517.0	518.1	519.6	517.8	517.5	516.3	514.0	511.0
175°	505.2	506.3	504.2	503.3	504.2	506.3	505.2	505.2	505.2	503.3	503.3
177.5°	497.8	498.6	496.2	496.2	496.2	498.6	497.8	498.6	498.6	498.6	497.8
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-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°	13.4	13.6	12.5	12.2	11.5	11.6	10.5	9.8	9.0	9.0	9.8
90°	17.0	16.0	14.0	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0
92.5°	261.1	322.5	327.8	228.3	136.6	82.1	52.9	35.6	23.2	14.8	12.2
95°	867.4	886.4	723.3	447.2	227.1	120.0	75.0	53.0	42.0	34.0	33.0
97.5°	1097.5	946.6	645.9	357.0	195.7	124.8	92.5	72.7	61.6	56.1	54.8
100°	1153.5	903.4	576.3	324.2	194.1	136.0	106.1	87.0	76.0	72.1	70.0
102.5°	1119.9	827.3	523.4	310.6	201.3	149.6	120.5	103.1	91.3	88.1	86.9
105°	1012.4	725.3	472.2	305.1	216.1	172.1	144.0	128.0	118.0	113.0	113.0
107.5°	902.8	655.0	450.6	314.4	238.1	195.4	170.3	153.7	145.4	140.7	138.6
110°	840.3	622.2	444.2	323.1	254.1	213.1	187.1	172.1	163.1	159.1	157.0



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	793.9	603.0	444.2	334.3	269.3	229.9	204.7	189.7	180.6	177.5	175.5
115°	743.3	582.3	447.2	351.1	293.2	256.1	231.1	216.1	207.1	204.1	202.1
117.5°	713.1	572.0	453.8	370.4	317.5	282.5	258.3	241.3	232.3	229.1	226.1
120°	696.3	567.2	460.2	383.1	335.2	300.1	275.1	258.1	249.1	245.1	242.1
122.5°	681.9	563.3	465.8	397.6	352.0	316.9	292.0	273.3	264.3	261.1	258.9
125°	662.3	558.3	475.2	417.2	374.2	341.1	315.1	296.1	287.1	282.1	280.1
127.5°	644.3	555.9	485.8	435.2	395.5	363.8	337.8	317.5	306.2	299.7	296.7
130°	632.3	554.2	492.2	447.2	409.1	378.2	352.1	331.1	318.1	310.1	307.1
132.5°	622.7	554.2	499.4	457.6	422.0	391.0	365.0	343.2	328.6	318.9	315.1
135°	611.3	554.2	509.2	472.2	439.2	408.2	381.2	360.2	344.1	332.2	328.1
137.5°	601.1	555.4	518.2	483.0	451.4	423.2	395.4	374.8	358.8	347.6	344.6
140°	596.2	556.2	522.2	490.3	460.2	431.2	404.2	385.2	369.2	357.1	354.1
142.5°	592.3	557.1	524.6	494.2	465.8	438.4	413.0	394.8	378.8	367.6	365.3
145°	586.3	556.2	527.3	500.2	475.2	449.2	426.2	408.2	394.2	384.2	382.2
147.5°	580.1	553.6	528.2	503.9	481.2	458.4	438.2	422.6	409.6	401.0	399.8
150°	575.2	551.2	528.2	506.3	485.2	463.2	446.2	432.2	419.2	412.2	410.2
152.5°	569.6	548.0	527.4	507.8	489.2	468.8	453.4	440.2	428.8	422.6	421.4
155°	560.3	542.3	525.2	509.2	493.2	476.2	462.2	452.2	442.2	436.2	436.2
157.5°	551.5	536.2	522.6	510.2	496.6	482.0	471.4	462.6	454.0	449.2	449.4
160°	544.2	532.3	520.2	510.2	498.3	485.2	476.2	468.2	461.2	457.2	458.2
162.5°	537.9	527.4	517.8	509.5	499.8	488.4	481.0	474.6	468.4	464.4	465.4
165°	528.2	520.2	514.2	508.2	500.2	492.2	486.2	482.2	477.3	474.2	476.2
167.5°	518.8	513.2	508.6	505.8	500.2	493.6	489.8	487.0	484.2	482.4	483.5
170°	513.2	509.2	506.3	504.2	500.2	495.2	492.2	490.3	488.2	487.2	488.2
172.5°	507.6	504.5	503.0	502.7	499.4	495.2	493.8	492.6	490.6	489.7	491.5
175°	500.2	499.2	499.2	500.2	498.3	495.2	495.2	495.2	494.2	493.2	495.2
177.5°	497.1	496.2	496.2	497.8	497.1	495.4	495.4	496.2	495.4	495.4	497.1
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333243-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-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°	9.7	10.4	12.0	14.1	15.6	17.2	18.3	17.8	16.8	15.9	15.1
90°	2.0	4.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0
92.5°	14.8	23.2	35.6	52.9	82.1	136.6	228.3	327.8	322.5	261.1	177.3
95°	34.0	42.0	53.0	75.0	120.0	227.1	447.2	723.3	886.4	867.4	719.3
97.5°	56.1	61.6	72.7	92.5	124.8	195.7	357.0	645.9	946.6	1097.5	1071.3
100°	72.1	76.0	87.0	106.1	136.0	194.1	324.2	576.3	903.4	1153.5	1230.5
102.5°	88.1	91.3	103.1	120.5	149.6	201.3	310.6	523.4	827.3	1119.9	1284.2
105°	113.0	118.0	128.0	144.0	172.1	216.1	305.1	472.2	725.3	1012.4	1252.6
107.5°	140.7	145.4	153.7	170.3	195.4	238.1	314.4	450.6	655.0	902.8	1139.7
110°	159.1	163.1	172.1	187.1	213.1	254.1	323.1	444.2	622.2	840.3	1056.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	177.5	180.6	189.7	204.7	229.9	269.3	334.3	444.2	603.0	793.9	990.8
115°	204.1	207.1	216.1	231.1	256.1	293.2	351.1	447.2	582.3	743.3	908.4
117.5°	229.1	232.3	241.3	258.3	282.5	317.5	370.4	453.8	572.0	713.1	855.1
120°	245.1	249.1	258.1	275.1	300.1	335.2	383.1	460.2	567.2	696.3	826.4
122.5°	261.1	264.3	273.3	292.0	316.9	352.0	397.6	465.8	563.3	681.9	804.8
125°	282.1	287.1	296.1	315.1	341.1	374.2	417.2	475.2	558.3	662.3	773.4
127.5°	299.7	306.2	317.5	337.8	363.8	395.5	435.2	485.8	555.9	644.3	741.3
130°	310.1	318.1	331.1	352.1	378.2	409.1	447.2	492.2	554.2	632.3	721.3
132.5°	318.9	328.6	343.2	365.0	391.0	422.0	457.6	499.4	554.2	622.7	701.3
135°	332.2	344.1	360.2	381.2	408.2	439.2	472.2	509.2	554.2	611.3	675.3
137.5°	347.6	358.8	374.8	395.4	423.2	451.4	483.0	518.2	555.4	601.1	653.3
140°	357.1	369.2	385.2	404.2	431.2	460.2	490.3	522.2	556.2	596.2	641.3
142.5°	367.6	378.8	394.8	413.0	438.4	465.8	494.2	524.6	557.1	592.3	630.9
145°	384.2	394.2	408.2	426.2	449.2	475.2	500.2	527.3	556.2	586.3	617.3
147.5°	401.0	409.6	422.6	438.2	458.4	481.2	503.9	528.2	553.6	580.1	604.5
150°	412.2	419.2	432.2	446.2	463.2	485.2	506.3	528.2	551.2	575.2	597.3
152.5°	422.6	428.8	440.2	453.4	468.8	489.2	507.8	527.4	548.0	569.6	589.3
155°	436.2	442.2	452.2	462.2	476.2	493.2	509.2	525.2	542.3	560.3	577.2
157.5°	449.2	454.0	462.6	471.4	482.0	496.6	510.2	522.6	536.2	551.5	565.2
160°	457.2	461.2	468.2	476.2	485.2	498.3	510.2	520.2	532.3	544.2	557.2
162.5°	464.4	468.4	474.6	481.0	488.4	499.8	509.5	517.8	527.4	537.9	548.5
165°	474.2	477.3	482.2	486.2	492.2	500.2	508.2	514.2	520.2	528.2	536.2
167.5°	482.4	484.2	487.0	489.8	493.6	500.2	505.8	508.6	513.2	518.8	524.6
170°	487.2	488.2	490.3	492.2	495.2	500.2	504.2	506.3	509.2	513.2	518.2
172.5°	489.7	490.6	492.6	493.8	495.2	499.4	502.7	503.0	504.5	507.6	511.0
175°	493.2	494.2	495.2	495.2	495.2	498.3	500.2	499.2	499.2	500.2	503.3
177.5°	495.4	495.4	496.2	495.4	495.4	497.1	497.8	496.2	496.2	497.1	497.8
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



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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°	15.2	14.0	14.4	14.0	14.0	13.9	13.2
90°	19.0	20.0	22.0	22.0	22.0	23.0	23.0
92.5°	128.6	96.9	82.1	69.2	66.8	65.4	63.8
95°	567.2	444.2	360.2	289.1	259.1	251.2	235.1
97.5°	964.7	844.8	727.9	666.1	610.1	581.1	568.3
100°	1181.6	1078.5	974.4	905.4	833.4	796.3	780.3
102.5°	1314.4	1265.0	1194.6	1120.7	1069.4	1029.2	1017.3
105°	1389.7	1433.7	1422.6	1390.6	1357.6	1337.6	1325.6
107.5°	1322.6	1435.6	1487.9	1504.1	1503.9	1497.3	1489.3
110°	1246.6	1387.6	1472.7	1517.7	1536.7	1543.7	1543.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1171.3	1314.0	1414.2	1480.1	1512.7	1530.1	1537.3
115°	1063.5	1200.5	1309.6	1387.6	1435.6	1463.6	1476.6
117.5°	988.9	1106.9	1206.9	1285.0	1334.6	1362.4	1370.4
120°	946.4	1056.4	1144.5	1218.6	1266.5	1293.6	1301.6
122.5°	916.0	1014.1	1096.5	1162.5	1206.5	1233.6	1240.8
125°	875.4	962.4	1034.5	1090.5	1131.5	1153.5	1163.6
127.5°	836.5	917.8	985.2	1036.0	1072.3	1093.1	1097.5
130°	809.3	887.4	952.4	1002.5	1035.4	1055.5	1061.4
132.5°	783.8	854.5	917.2	967.2	1000.2	1018.6	1025.5
135°	744.3	808.4	865.4	909.4	942.5	960.4	966.5
137.5°	709.1	762.3	810.8	850.2	880.2	896.8	903.4
140°	688.3	734.3	776.4	813.4	839.4	854.4	859.4
142.5°	670.7	710.3	746.7	778.2	800.1	814.3	818.6
145°	648.2	679.3	706.3	730.3	747.3	758.4	762.3
147.5°	629.6	653.5	673.9	692.9	706.5	712.9	714.7
150°	619.3	638.3	656.3	671.3	683.3	687.3	688.3
152.5°	608.9	626.3	640.3	652.9	662.5	666.5	667.5
155°	593.2	607.3	618.3	628.3	635.2	638.3	639.3
157.5°	578.4	589.3	597.9	605.6	611.5	614.2	614.1
160°	567.2	577.2	584.3	591.2	596.2	598.3	597.3
162.5°	557.7	566.0	572.2	577.6	581.9	582.3	582.0
165°	543.2	549.2	554.2	558.3	560.3	560.3	560.3
167.5°	529.3	533.8	537.4	539.4	541.2	540.4	540.3
170°	521.2	524.3	526.2	528.2	529.3	529.3	528.2
172.5°	514.0	516.3	517.5	517.8	519.6	518.1	517.0
175°	503.3	505.2	505.2	505.2	506.3	504.2	503.3
177.5°	498.6	498.6	498.6	497.8	498.6	496.2	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2

(END OF REPORT)