

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: P333223

Luminaire Tested: **S125DIP-S850D810U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333223
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6694.0 lumens
Efficiency: N/A
Efficacy: 145.8 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

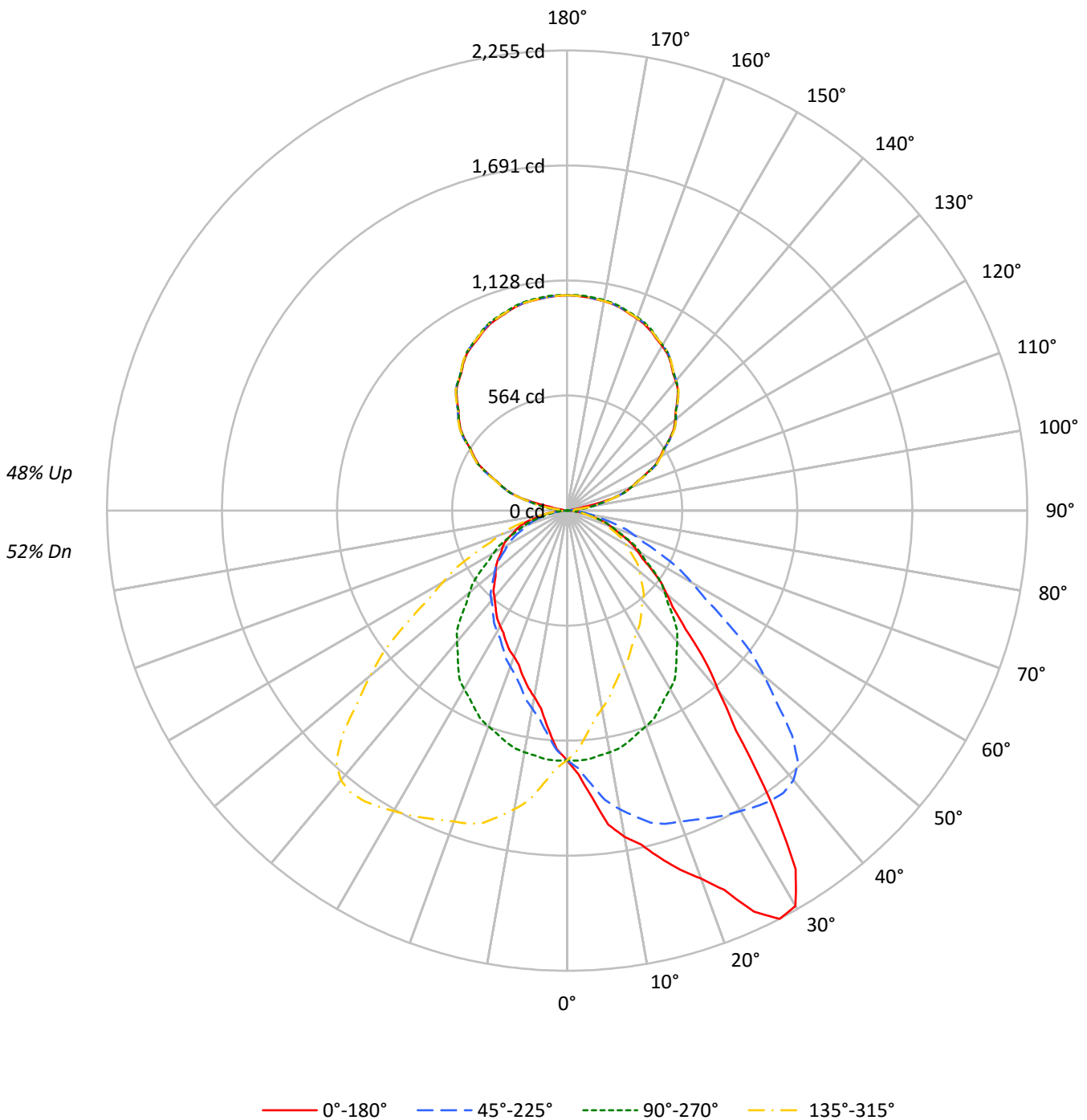
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	82	76	71	83	76	71	67	65	61	58	55	52	50	45	43	42	37
3	82	73	65	60	76	67	61	56	58	53	49	49	45	42	40	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	53	46	41	46	40	36	39	35	32	33	29	27	24
6	64	52	43	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7901	7901	7901	7901
5°	9149	7927	6941	7927
10°	10645	7887	6082	7887
15°	11784	7829	5610	7829
20°	13190	7737	5232	7737
25°	15452	7633	5047	7633
30°	16690	7532	4887	7532
35°	13722	7340	4782	7340
40°	9754	7074	4666	7074
45°	7493	6716	4601	6716
50°	6396	6271	4591	6271
55°	5695	5835	4631	5835
60°	5137	5359	4748	5359
65°	4745	4879	4872	4879
70°	4315	4383	4942	4383
75°	3810	3860	4898	3860
80°	3206	3146	4482	3146
85°	2542	2267	3616	2267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	1.8
10°-20°	350.7	5.2
20°-30°	569.4	8.5
30°-40°	694.5	10.4
40°-50°	631.8	9.4
50°-60°	503.3	7.5
60°-70°	350.5	5.2
70°-80°	186.9	2.8
80°-90°	49.4	0.7
90°-100°	38.3	0.6
100°-110°	236.3	3.5
110°-120°	428.5	6.4
120°-130°	550.0	8.2
130°-140°	591.5	8.8
140°-150°	555.2	8.3
150°-160°	449.1	6.7
160°-170°	290.5	4.3
170°-180°	100.2	1.5
0°-30°	1037.8	15.5
0°-40°	1732.4	25.9
0°-60°	2867.5	42.8
0°-90°	3454.3	51.6
90°-120°	703.1	10.5
90°-150°	2399.9	35.9
90°-180°	3240.0	48.4
0°-180°	6694.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1223	1223	1223	1223	1223	
5°	1411	1223	1071	1223	1411	142
15°	1762	1171	839	1171	1762	504
25°	2168	1071	708	1071	2168	990
35°	1740	931	606	931	1740	1065
45°	820	735	504	735	820	657
55°	506	518	411	518	506	455
65°	310	319	319	319	310	308
75°	153	155	196	155	153	164
85°	34	31	49	31	34	40
90°	19	1	19	1	19	9
95°	16	45	16	45	16	14
105°	232	230	232	230	232	210
115°	429	432	429	432	429	425
125°	614	614	614	614	614	546
135°	762	766	762	766	762	588
145°	885	888	885	888	885	553
155°	970	978	970	978	970	447
165°	1026	1032	1026	1032	1026	290
175°	1050	1055	1050	1055	1050	100
180°	1055	1055	1055	1055	1055	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1294.0	1292.3	1290.7	1287.3	1289.8	1282.8	1279.4	1273.6	1266.6	1264.1	1261.2
5°	1411.3	1413.9	1416.5	1405.6	1406.7	1399.4	1382.8	1369.3	1358.4	1344.4	1334.5
7.5°	1552.6	1546.4	1545.9	1538.9	1526.7	1517.0	1499.5	1477.3	1455.8	1431.3	1411.0
10°	1623.2	1623.7	1619.0	1610.7	1597.8	1588.4	1565.6	1543.7	1517.3	1486.1	1463.8
12.5°	1676.4	1678.5	1672.6	1661.4	1655.1	1634.1	1616.2	1590.3	1558.8	1533.9	1499.9
15°	1762.4	1756.6	1752.5	1738.5	1727.6	1705.8	1677.2	1650.2	1615.9	1584.2	1552.6
17.5°	1845.2	1849.8	1842.0	1829.2	1795.4	1769.9	1731.6	1694.6	1652.0	1609.5	1571.7
20°	1919.2	1923.3	1911.4	1889.1	1848.6	1823.1	1772.7	1725.0	1675.6	1621.1	1579.6
22.5°	2011.4	2008.1	1992.0	1958.0	1922.9	1875.9	1821.3	1763.2	1701.4	1639.8	1584.6
25°	2168.4	2146.6	2136.7	2094.7	2048.5	1979.4	1904.6	1819.5	1742.6	1661.1	1590.5
27.5°	2255.4	2248.6	2237.6	2208.3	2159.7	2085.9	1997.7	1893.9	1785.5	1682.6	1590.2
30°	2238.0	2239.0	2240.1	2230.7	2199.6	2144.0	2056.3	1944.6	1815.8	1700.0	1593.1
32.5°	2083.5	2102.4	2120.4	2141.8	2150.5	2139.9	2084.9	1984.1	1851.6	1720.0	1591.4
35°	1740.5	1746.3	1804.9	1863.1	1942.0	2003.3	2044.3	1999.7	1888.0	1736.9	1589.4
37.5°	1357.1	1385.2	1425.8	1491.5	1605.4	1707.4	1838.6	1898.9	1862.9	1742.4	1585.8
40°	1156.9	1182.9	1209.3	1276.3	1372.4	1496.0	1645.0	1772.2	1801.8	1725.0	1573.3
42.5°	1002.4	1022.9	1052.3	1102.7	1183.0	1292.4	1434.8	1601.1	1703.4	1674.3	1547.2
45°	820.4	833.4	856.3	896.2	954.4	1040.1	1165.7	1347.5	1505.8	1558.3	1485.1
47.5°	702.2	702.1	719.9	747.5	789.5	862.3	955.2	1097.6	1266.8	1391.9	1386.1
50°	636.6	634.0	648.0	671.9	705.1	753.4	842.2	955.9	1118.5	1260.2	1299.7
52.5°	580.1	580.4	589.0	606.7	634.5	675.8	742.1	844.6	983.5	1129.0	1203.3
55°	505.8	503.7	513.5	525.5	545.7	572.7	620.5	698.9	811.6	954.9	1051.5
57.5°	437.6	443.3	447.3	455.6	472.4	490.5	530.8	588.3	677.7	800.7	902.8
60°	397.7	403.5	406.6	414.9	428.4	444.0	475.1	521.9	597.1	703.1	804.3
62.5°	362.0	366.5	367.5	375.0	386.0	401.2	425.7	464.9	524.4	617.1	716.3
65°	310.5	310.5	312.6	320.4	325.6	339.1	357.8	386.3	434.1	506.3	590.9
67.5°	260.9	263.4	262.8	266.3	271.1	281.5	294.9	318.5	353.9	406.6	474.3
70°	228.5	230.5	230.0	232.6	237.8	244.6	255.5	277.8	303.2	348.4	406.6
72.5°	199.4	200.2	198.9	202.3	205.4	211.3	223.5	235.4	259.2	297.3	345.1
75°	152.7	153.7	154.7	156.8	159.9	163.0	169.3	181.2	196.8	225.4	256.0
77.5°	114.4	112.5	115.0	114.7	116.4	118.8	124.3	130.6	143.4	161.5	185.2
80°	86.2	86.7	86.7	87.2	89.8	91.4	96.1	100.7	110.6	124.1	140.7
82.5°	62.9	64.3	63.5	64.4	66.6	67.7	70.3	74.1	79.9	90.5	102.5
85°	34.3	31.7	32.7	33.8	33.8	34.3	36.3	37.9	41.0	45.2	49.8
87.5°	13.7	14.5	14.8	14.7	15.0	14.8	16.3	16.1	17.2	18.3	19.7
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3	13.4	12.5	11.3
92.5°	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3	13.4	12.5	11.4
95°	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3	13.4	12.5	19.1
97.5°	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7	33.6	38.5	51.5
100°	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3	110.2	136.1	135.4
102.5°	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8	168.7	173.6	173.2
105°	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1	295.0	295.0	294.6
110°	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2	335.8	336.3	335.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0	375.7	376.3	376.1
115°	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0	435.7	436.4	436.2
117.5°	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9	493.8	494.7	494.1
120°	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3	530.7	531.0	530.5
122.5°	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0	566.3	566.7	566.4
125°	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0	618.7	619.4	619.4
127.5°	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5	665.9	666.3	666.4
130°	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5	697.1	697.6	697.4
132.5°	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5	725.6	725.7	726.1
135°	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1	768.4	768.8	769.1
137.5°	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7	807.6	807.5	807.9
140°	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0	831.7	831.3	831.5
142.5°	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9	855.8	855.7	855.5
145°	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5	889.4	889.2	889.2
147.5°	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4	918.2	918.0	917.8
150°	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8	936.5	936.1	935.8
152.5°	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1	952.7	952.4	952.0
155°	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5	974.9	974.4	974.1
157.5°	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0	993.4	992.9	992.8
160°	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5	1004.8	1004.1	1004.0
162.5°	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1	1015.1	1014.2	1014.0
165°	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7	1028.7	1027.6	1027.4
167.5°	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0	1038.7	1037.5	1037.3
170°	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2	1043.9	1042.5	1042.3
172.5°	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3	1048.1	1046.8	1046.5
175°	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8	1052.5	1051.1	1050.9
177.5°	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7	1054.7	1053.7	1053.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1258.7	1255.8	1252.4	1246.6	1239.6	1235.8	1230.0	1226.3	1218.8	1212.6	1205.9
5°	1322.5	1309.0	1296.6	1280.5	1262.8	1251.4	1237.9	1222.8	1207.3	1191.2	1173.5
7.5°	1388.7	1364.8	1338.8	1310.9	1283.6	1258.5	1234.5	1210.9	1188.9	1162.3	1139.8
10°	1433.1	1403.0	1370.8	1332.9	1296.1	1263.9	1231.2	1202.6	1173.5	1142.4	1114.8
12.5°	1477.6	1437.5	1392.0	1350.4	1306.0	1267.2	1228.7	1192.2	1155.7	1121.2	1089.1
15°	1509.0	1473.6	1431.6	1372.4	1322.5	1269.1	1218.2	1170.9	1126.8	1088.4	1047.9
17.5°	1529.6	1484.1	1439.0	1382.2	1316.8	1257.0	1199.4	1145.3	1095.5	1046.8	1007.8
20°	1533.4	1486.6	1439.4	1383.8	1316.8	1248.3	1190.7	1125.7	1072.3	1021.9	974.1
22.5°	1532.1	1479.2	1427.7	1370.5	1305.2	1242.1	1172.4	1106.2	1048.2	998.6	948.8
25°	1520.4	1463.8	1399.4	1341.8	1277.4	1210.4	1139.8	1071.2	1012.0	955.4	906.1
27.5°	1510.6	1437.2	1364.3	1297.1	1234.9	1173.5	1105.9	1035.7	970.1	912.7	866.2
30°	1498.6	1418.1	1336.0	1265.9	1202.1	1142.4	1078.5	1010.0	941.4	885.3	835.5
32.5°	1487.8	1394.0	1307.4	1231.1	1163.4	1105.4	1046.5	981.3	914.0	857.1	807.2
35°	1466.9	1358.4	1259.2	1173.0	1100.8	1041.1	991.8	931.0	869.2	814.2	766.4
37.5°	1440.4	1311.6	1205.2	1114.8	1035.7	972.8	926.9	880.2	820.9	767.9	724.7
40°	1419.6	1278.4	1165.7	1073.3	991.3	925.8	883.3	839.1	789.8	740.5	694.8
42.5°	1393.5	1248.5	1125.9	1026.4	945.1	881.4	836.7	799.2	755.7	709.7	667.3
45°	1345.4	1194.3	1061.4	954.4	872.3	809.5	763.3	735.3	702.6	658.9	623.1
47.5°	1274.7	1129.2	991.7	881.3	796.6	738.4	695.1	668.2	645.1	612.7	580.2
50°	1211.9	1080.6	941.4	831.8	747.2	688.5	648.6	624.1	604.4	579.5	552.0
52.5°	1141.7	1019.5	892.0	783.7	699.9	642.0	602.9	581.4	565.0	547.1	520.0
55°	1030.2	926.4	808.0	705.1	627.8	571.2	536.9	518.2	504.7	491.2	474.6
57.5°	907.3	826.1	721.2	627.3	556.0	504.5	472.5	454.3	443.9	436.9	427.1
60°	820.9	751.4	661.0	575.3	505.8	460.1	428.9	414.9	406.1	400.3	393.1
62.5°	740.8	683.7	599.9	521.7	460.9	417.7	389.9	376.3	367.8	365.0	359.0
65°	622.6	578.5	509.4	444.5	392.6	355.7	332.3	319.3	314.1	311.0	311.6
67.5°	506.2	479.3	423.8	368.5	327.0	296.1	277.4	267.4	264.8	260.7	260.6
70°	435.1	414.9	368.2	319.9	283.0	259.1	242.5	232.1	229.5	227.4	226.9
72.5°	372.4	354.7	314.1	275.4	242.3	221.3	207.6	201.4	197.1	195.9	195.8
75°	279.9	270.0	237.8	207.2	184.3	169.8	160.5	154.7	151.6	151.1	151.6
77.5°	199.0	190.4	169.9	148.2	133.8	122.8	114.9	112.9	109.4	109.5	108.9
80°	149.5	143.8	130.9	113.7	101.8	92.4	88.3	84.6	83.6	82.0	83.6
82.5°	108.4	102.3	93.5	82.6	72.7	67.1	62.9	61.8	61.2	60.4	60.8
85°	53.5	54.0	48.8	40.5	36.3	33.2	30.6	30.6	30.1	29.6	30.1
87.5°	20.3	19.2	17.3	15.8	13.5	11.9	11.2	11.4	10.4	10.3	11.0
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0	11.1	10.1	9.1
95°	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6	44.1	43.5	43.0
97.5°	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1	94.0	94.9	95.9
100°	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6	131.1	131.6	132.2
102.5°	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8	169.4	170.1	170.7
105°	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9	230.6	231.3	232.0
107.5°	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4
110°	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5	373.9	374.3	374.8
115°	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7	432.6	433.4	434.3
117.5°	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9	491.9	491.8	491.8
120°	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4	529.3	529.1	528.9
122.5°	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6	563.3	563.9	564.6
125°	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9	615.1	616.3	617.6
127.5°	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9	663.7	664.6	665.5
130°	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9	693.8	694.6	695.5
132.5°	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9	723.9	724.9	725.9
135°	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6	766.7	767.7	768.8
137.5°	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9	805.8	806.7	807.6
140°	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5	830.9	831.2	831.6
142.5°	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7	853.9	854.1	854.3
145°	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6	888.0	888.3	888.7
147.5°	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3	917.3	917.2	917.1
150°	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	935.8	935.4	935.1
152.5°	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3	953.5	952.7	952.0
155°	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6	976.5	975.5	974.4
157.5°	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5	994.9	994.3	993.7
160°	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1	1007.0	1006.0	1004.9
162.5°	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1	1017.0	1016.0	1014.9
165°	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5	1030.5	1029.4	1028.4
167.5°	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5	1040.5	1039.4	1038.3
170°	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2	1045.9	1044.7	1043.5
172.5°	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9	1049.7	1048.5	1047.3
175°	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0	1053.9	1052.9	1051.9
177.5°	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9	1056.0	1055.2	1054.4
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1202.2	1197.6	1193.9	1185.6	1181.0	1174.8	1169.8	1175.2	1169.4	1171.9	1168.1
5°	1164.7	1150.2	1139.8	1124.7	1111.7	1099.8	1091.0	1089.4	1085.2	1083.2	1076.9
7.5°	1119.6	1101.4	1083.6	1063.9	1047.2	1030.3	1019.5	1010.6	1004.7	996.9	991.6
10°	1093.0	1068.6	1047.9	1024.0	1003.2	985.0	970.5	963.2	956.5	946.6	943.0
12.5°	1060.2	1035.0	1009.6	984.1	964.2	943.9	931.4	920.4	915.8	904.6	903.5
15°	1020.9	983.0	958.0	932.1	904.5	887.9	877.5	865.6	860.4	852.6	846.9
17.5°	973.9	940.1	908.9	882.0	858.4	844.4	831.5	823.3	814.4	809.3	800.0
20°	939.9	907.7	876.5	847.9	829.8	813.7	803.3	795.5	786.2	783.6	774.2
22.5°	911.2	875.7	845.8	821.8	801.9	783.8	772.5	767.3	760.8	752.8	750.9
25°	864.6	827.7	802.3	778.4	760.7	744.1	736.3	729.6	723.3	717.6	715.5
27.5°	824.3	791.3	761.1	739.5	724.2	709.0	702.1	693.9	689.4	684.8	679.2
30°	796.0	762.3	735.8	715.0	698.4	684.9	677.6	671.9	667.8	663.6	660.5
32.5°	766.9	735.7	710.0	689.7	673.1	662.9	656.4	652.4	647.8	642.8	638.9
35°	728.5	694.2	669.3	651.7	638.7	630.9	623.6	620.0	614.8	614.8	610.6
37.5°	685.2	655.6	633.6	617.5	605.9	598.9	591.0	588.5	585.2	583.0	581.6
40°	659.5	631.9	611.2	595.1	582.6	576.9	570.7	566.5	564.4	561.8	560.8
42.5°	632.9	606.6	586.7	571.8	561.0	556.1	550.3	547.4	543.2	539.8	539.2
45°	592.5	567.0	548.9	536.9	527.6	521.9	518.2	512.0	509.9	505.8	505.2
47.5°	554.1	529.7	511.9	502.1	493.9	489.2	483.5	477.3	474.9	472.8	472.6
50°	525.5	503.2	486.5	477.2	469.4	462.7	456.9	452.8	451.2	451.2	452.3
52.5°	496.4	477.4	463.3	451.9	444.5	437.3	432.0	429.5	427.1	429.6	431.5
55°	453.8	434.6	424.2	413.3	406.1	397.7	395.2	394.1	392.6	396.7	398.8
57.5°	408.8	395.3	383.1	372.3	365.8	361.0	357.5	356.8	359.7	361.7	368.5
60°	380.1	364.5	353.6	345.3	337.5	334.4	333.4	332.3	334.4	340.1	348.9
62.5°	348.5	335.9	324.1	317.9	312.2	307.0	306.8	307.4	311.6	318.1	326.9
65°	302.2	291.3	283.5	276.2	271.6	268.5	269.5	271.6	276.2	285.1	294.9
67.5°	255.2	247.7	240.7	234.8	230.3	230.3	231.4	234.5	240.0	250.2	259.2
70°	224.8	216.5	210.8	208.2	204.6	202.5	205.6	210.8	215.5	224.8	232.6
72.5°	194.5	187.5	183.0	181.2	179.7	178.0	179.0	184.6	191.0	200.3	209.4
75°	149.5	146.9	143.8	141.8	140.2	141.2	142.3	147.5	152.7	162.5	172.9
77.5°	109.1	106.4	104.6	104.1	103.2	103.7	106.7	110.5	115.6	122.8	130.6
80°	82.6	81.5	80.5	80.0	80.0	80.5	84.6	87.2	91.9	98.7	104.9
82.5°	60.1	59.5	59.3	59.2	59.6	59.7	62.2	65.6	69.5	74.6	80.0
85°	31.7	30.6	32.2	32.7	31.7	33.2	34.3	36.3	37.9	40.5	43.1
87.5°	11.7	12.7	12.6	13.2	13.5	14.5	14.3	16.1	17.1	18.2	17.9
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3	15.1	16.0	16.7
92.5°	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3	15.1	16.0	16.5
95°	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3	15.1	16.0	16.4
97.5°	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7	23.8	18.9	16.4
100°	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3	58.4	32.5	19.2
102.5°	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8	158.9	154.0	145.7
105°	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1	295.1	295.1	294.9
110°	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2	334.7	334.2	334.0



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0	374.3	373.7	373.2
115°	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0	434.3	433.6	432.7
117.5°	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9	492.0	491.1	490.4
120°	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3	530.0	529.6	529.0
122.5°	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0	565.6	565.3	564.6
125°	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0	617.3	616.6	616.0
127.5°	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5	665.2	664.8	663.9
130°	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5	696.0	695.5	694.8
132.5°	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5	725.4	725.3	724.8
135°	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1	767.7	767.4	766.7
137.5°	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7	807.7	807.8	807.4
140°	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0	832.4	832.7	832.4
142.5°	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9	855.9	856.0	855.5
145°	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5	889.7	889.9	889.4
147.5°	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4	918.6	918.8	918.3
150°	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8	937.2	937.5	937.0
152.5°	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1	953.4	953.8	953.3
155°	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5	976.0	976.5	976.1
157.5°	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0	994.6	995.1	994.7
160°	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5	1006.2	1006.9	1006.6
162.5°	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1	1017.1	1018.0	1017.8
165°	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7	1030.7	1031.8	1031.6
167.5°	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0	1041.2	1042.5	1042.3
170°	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2	1046.6	1048.0	1047.9
172.5°	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3	1050.6	1051.9	1051.7
175°	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8	1055.2	1056.6	1056.5
177.5°	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7	1056.6	1057.6	1057.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1165.6	1168.5	1166.0	1169.4	1166.0	1168.5	1165.6	1168.1	1171.9	1169.4	1175.2
5°	1074.3	1069.7	1072.8	1070.7	1072.8	1069.7	1074.3	1076.9	1083.2	1085.2	1089.4
7.5°	990.0	985.5	980.5	978.1	980.5	985.5	990.0	991.6	996.9	1004.7	1010.6
10°	937.3	931.5	931.0	927.4	931.0	931.5	937.3	943.0	946.6	956.5	963.2
12.5°	898.6	893.3	887.4	885.9	887.4	893.3	898.6	903.5	904.6	915.8	920.4
15°	843.8	839.6	836.0	839.1	836.0	839.6	843.8	846.9	852.6	860.4	865.6
17.5°	798.2	794.8	794.1	790.3	794.1	794.8	798.2	800.0	809.3	814.4	823.3
20°	769.5	766.9	768.0	761.2	768.0	766.9	769.5	774.2	783.6	786.2	795.5
22.5°	746.7	741.6	741.0	739.6	741.0	741.6	746.7	750.9	752.8	760.8	767.3
25°	710.9	708.3	705.7	708.3	705.7	708.3	710.9	715.5	717.6	723.3	729.6
27.5°	679.6	676.5	675.8	676.1	675.8	676.5	679.6	679.2	684.8	689.4	693.9
30°	660.5	655.3	655.8	655.3	655.8	655.3	660.5	660.5	663.6	667.8	671.9
32.5°	639.7	636.2	635.5	634.5	635.5	636.2	639.7	638.9	642.8	647.8	652.4
35°	609.1	609.1	606.5	606.5	606.5	609.1	609.1	610.6	614.8	614.8	620.0
37.5°	580.3	579.8	578.2	578.5	578.2	579.8	580.3	581.6	583.0	585.2	588.5
40°	558.7	558.2	556.6	553.5	556.6	558.2	558.7	560.8	561.8	564.4	566.5
42.5°	537.9	536.2	535.5	534.4	535.5	536.2	537.9	539.2	539.8	543.2	547.4
45°	505.2	505.2	504.2	503.7	504.2	505.2	505.2	505.2	505.8	509.9	512.0
47.5°	473.5	474.4	476.4	476.1	476.4	474.4	473.5	472.6	472.8	474.9	477.3
50°	454.3	454.9	456.4	456.9	456.4	454.9	454.3	452.3	451.2	451.2	452.8
52.5°	433.2	436.2	438.1	437.8	438.1	436.2	433.2	431.5	429.6	427.1	429.5
55°	403.5	407.1	410.7	411.3	410.7	407.1	403.5	398.8	396.7	392.6	394.1
57.5°	374.1	379.2	383.0	384.2	383.0	379.2	374.1	368.5	361.7	359.7	356.8
60°	354.1	360.9	365.6	367.6	365.6	360.9	354.1	348.9	340.1	334.4	332.3
62.5°	335.0	342.6	347.3	347.7	347.3	342.6	335.0	326.9	318.1	311.6	307.4
65°	303.8	311.6	315.7	318.8	315.7	311.6	303.8	294.9	285.1	276.2	271.6
67.5°	270.1	277.9	282.5	285.0	282.5	277.9	270.1	259.2	250.2	240.0	234.5
70°	245.6	253.4	259.6	261.7	259.6	253.4	245.6	232.6	224.8	215.5	210.8
72.5°	221.5	228.5	233.5	235.9	233.5	228.5	221.5	209.4	200.3	191.0	184.6
75°	179.7	189.0	193.7	196.3	193.7	189.0	179.7	172.9	162.5	152.7	147.5
77.5°	138.5	147.1	149.9	151.2	149.9	147.1	138.5	130.6	122.8	115.6	110.5
80°	111.1	116.3	119.9	120.5	119.9	116.3	111.1	104.9	98.7	91.9	87.2
82.5°	85.4	89.7	90.9	92.2	90.9	89.7	85.4	80.0	74.6	69.5	65.6
85°	46.7	48.8	49.3	48.8	49.3	48.8	46.7	43.1	40.5	37.9	36.3
87.5°	18.8	18.5	18.6	19.5	18.6	18.5	18.8	17.9	18.2	17.1	16.1
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3
92.5°	16.8	17.0	17.3	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3
95°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3
97.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7
100°	18.5	17.8	17.1	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3
102.5°	133.8	122.0	110.2	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8
105°	232.8	232.6	232.4	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0
107.5°	294.4	293.8	293.3	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1
110°	334.2	334.4	334.5	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	373.0	372.7	372.5	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0
115°	431.7	430.6	429.6	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0
117.5°	490.0	489.5	489.1	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9
120°	528.1	527.3	526.4	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3
122.5°	563.6	562.6	561.6	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0
125°	615.5	614.9	614.4	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0
127.5°	662.7	661.4	660.1	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5
130°	693.9	693.1	692.2	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5
132.5°	724.0	723.1	722.2	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5
135°	765.6	764.6	763.5	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1
137.5°	806.5	805.6	804.7	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7
140°	831.3	830.3	829.2	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0
142.5°	854.5	853.4	852.4	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9
145°	888.4	887.4	886.3	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5
147.5°	917.0	915.8	914.5	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4
150°	935.6	934.2	932.8	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8
152.5°	952.1	950.8	949.6	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1
155°	974.7	973.3	971.9	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5
157.5°	993.3	991.9	990.5	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0
160°	1005.2	1003.8	1002.4	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5
162.5°	1016.2	1014.7	1013.2	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1
165°	1030.2	1028.8	1027.4	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7
167.5°	1040.7	1039.2	1037.6	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0
170°	1046.4	1044.8	1043.2	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2
172.5°	1050.1	1048.6	1047.0	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3
175°	1055.0	1053.4	1051.9	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8
177.5°	1056.4	1055.3	1054.2	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1169.8	1174.8	1181.0	1185.6	1193.9	1197.6	1202.2	1205.9	1212.6	1218.8	1226.3
5°	1091.0	1099.8	1111.7	1124.7	1139.8	1150.2	1164.7	1173.5	1191.2	1207.3	1222.8
7.5°	1019.5	1030.3	1047.2	1063.9	1083.6	1101.4	1119.6	1139.8	1162.3	1188.9	1210.9
10°	970.5	985.0	1003.2	1024.0	1047.9	1068.6	1093.0	1114.8	1142.4	1173.5	1202.6
12.5°	931.4	943.9	964.2	984.1	1009.6	1035.0	1060.2	1089.1	1121.2	1155.7	1192.2
15°	877.5	887.9	904.5	932.1	958.0	983.0	1020.9	1047.9	1088.4	1126.8	1170.9
17.5°	831.5	844.4	858.4	882.0	908.9	940.1	973.9	1007.8	1046.8	1095.5	1145.3
20°	803.3	813.7	829.8	847.9	876.5	907.7	939.9	974.1	1021.9	1072.3	1125.7
22.5°	772.5	783.8	801.9	821.8	845.8	875.7	911.2	948.8	998.6	1048.2	1106.2
25°	736.3	744.1	760.7	778.4	802.3	827.7	864.6	906.1	955.4	1012.0	1071.2
27.5°	702.1	709.0	724.2	739.5	761.1	791.3	824.3	866.2	912.7	970.1	1035.7
30°	677.6	684.9	698.4	715.0	735.8	762.3	796.0	835.5	885.3	941.4	1010.0
32.5°	656.4	662.9	673.1	689.7	710.0	735.7	766.9	807.2	857.1	914.0	981.3
35°	623.6	630.9	638.7	651.7	669.3	694.2	728.5	766.4	814.2	869.2	931.0
37.5°	591.0	598.9	605.9	617.5	633.6	655.6	685.2	724.7	767.9	820.9	880.2
40°	570.7	576.9	582.6	595.1	611.2	631.9	659.5	694.8	740.5	789.8	839.1
42.5°	550.3	556.1	561.0	571.8	586.7	606.6	632.9	667.3	709.7	755.7	799.2
45°	518.2	521.9	527.6	536.9	548.9	567.0	592.5	623.1	658.9	702.6	735.3
47.5°	483.5	489.2	493.9	502.1	511.9	529.7	554.1	580.2	612.7	645.1	668.2
50°	456.9	462.7	469.4	477.2	486.5	503.2	525.5	552.0	579.5	604.4	624.1
52.5°	432.0	437.3	444.5	451.9	463.3	477.4	496.4	520.0	547.1	565.0	581.4
55°	395.2	397.7	406.1	413.3	424.2	434.6	453.8	474.6	491.2	504.7	518.2
57.5°	357.5	361.0	365.8	372.3	383.1	395.3	408.8	427.1	436.9	443.9	454.3
60°	333.4	334.4	337.5	345.3	353.6	364.5	380.1	393.1	400.3	406.1	414.9
62.5°	306.8	307.0	312.2	317.9	324.1	335.9	348.5	359.0	365.0	367.8	376.3
65°	269.5	268.5	271.6	276.2	283.5	291.3	302.2	311.6	311.0	314.1	319.3
67.5°	231.4	230.3	230.3	234.8	240.7	247.7	255.2	260.6	260.7	264.8	267.4
70°	205.6	202.5	204.6	208.2	210.8	216.5	224.8	226.9	227.4	229.5	232.1
72.5°	179.0	178.0	179.7	181.2	183.0	187.5	194.5	195.8	195.9	197.1	201.4
75°	142.3	141.2	140.2	141.8	143.8	146.9	149.5	151.6	151.1	151.6	154.7
77.5°	106.7	103.7	103.2	104.1	104.6	106.4	109.1	108.9	109.5	109.4	112.9
80°	84.6	80.5	80.0	80.0	80.5	81.5	82.6	83.6	82.0	83.6	84.6
82.5°	62.2	59.7	59.6	59.2	59.3	59.5	60.1	60.8	60.4	61.2	61.8
85°	34.3	33.2	31.7	32.7	32.2	30.6	31.7	30.1	29.6	30.1	30.6
87.5°	14.3	14.5	13.5	13.2	12.6	12.7	11.7	11.0	10.3	10.4	11.4
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	13.4	12.5	11.4	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0
95°	13.4	12.5	19.1	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6
97.5°	33.6	38.5	51.5	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1
100°	110.2	136.1	135.4	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6
102.5°	168.7	173.6	173.2	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8
105°	233.0	233.0	233.0	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9
107.5°	295.0	295.0	294.6	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4
110°	335.8	336.3	335.9	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	376.3	376.1	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5
115°	435.7	436.4	436.2	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7
117.5°	493.8	494.7	494.1	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9
120°	530.7	531.0	530.5	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4
122.5°	566.3	566.7	566.4	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6
125°	618.7	619.4	619.4	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9
127.5°	665.9	666.3	666.4	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9
130°	697.1	697.6	697.4	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9
132.5°	725.6	725.7	726.1	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9
135°	768.4	768.8	769.1	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6
137.5°	807.6	807.5	807.9	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9
140°	831.7	831.3	831.5	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5
142.5°	855.8	855.7	855.5	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7
145°	889.4	889.2	889.2	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6
147.5°	918.2	918.0	917.8	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3
150°	936.5	936.1	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1
152.5°	952.7	952.4	952.0	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3
155°	974.9	974.4	974.1	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6
157.5°	993.4	992.9	992.8	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5
160°	1004.8	1004.1	1004.0	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1
162.5°	1015.1	1014.2	1014.0	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1
165°	1028.7	1027.6	1027.4	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5
167.5°	1038.7	1037.5	1037.3	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5
170°	1043.9	1042.5	1042.3	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2
172.5°	1048.1	1046.8	1046.5	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9
175°	1052.5	1051.1	1050.9	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0
177.5°	1054.7	1053.7	1053.6	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333223

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1230.0	1235.8	1239.6	1246.6	1252.4	1255.8	1258.7	1261.2	1264.1	1266.6	1273.6
5°	1237.9	1251.4	1262.8	1280.5	1296.6	1309.0	1322.5	1334.5	1344.4	1358.4	1369.3
7.5°	1234.5	1258.5	1283.6	1310.9	1338.8	1364.8	1388.7	1411.0	1431.3	1455.8	1477.3
10°	1231.2	1263.9	1296.1	1332.9	1370.8	1403.0	1433.1	1463.8	1486.1	1517.3	1543.7
12.5°	1228.7	1267.2	1306.0	1350.4	1392.0	1437.5	1477.6	1499.9	1533.9	1558.8	1590.3
15°	1218.2	1269.1	1322.5	1372.4	1431.6	1473.6	1509.0	1552.6	1584.2	1615.9	1650.2
17.5°	1199.4	1257.0	1316.8	1382.2	1439.0	1484.1	1529.6	1571.7	1609.5	1652.0	1694.6
20°	1190.7	1248.3	1316.8	1383.8	1439.4	1486.6	1533.4	1579.6	1621.1	1675.6	1725.0
22.5°	1172.4	1242.1	1305.2	1370.5	1427.7	1479.2	1532.1	1584.6	1639.8	1701.4	1763.2
25°	1139.8	1210.4	1277.4	1341.8	1399.4	1463.8	1520.4	1590.5	1661.1	1742.6	1819.5
27.5°	1105.9	1173.5	1234.9	1297.1	1364.3	1437.2	1510.6	1590.2	1682.6	1785.5	1893.9
30°	1078.5	1142.4	1202.1	1265.9	1336.0	1418.1	1498.6	1593.1	1700.0	1815.8	1944.6
32.5°	1046.5	1105.4	1163.4	1231.1	1307.4	1394.0	1487.8	1591.4	1720.0	1851.6	1984.1
35°	991.8	1041.1	1100.8	1173.0	1259.2	1358.4	1466.9	1589.4	1736.9	1888.0	1999.7
37.5°	926.9	972.8	1035.7	1114.8	1205.2	1311.6	1440.4	1585.8	1742.4	1862.9	1898.9
40°	883.3	925.8	991.3	1073.3	1165.7	1278.4	1419.6	1573.3	1725.0	1801.8	1772.2
42.5°	836.7	881.4	945.1	1026.4	1125.9	1248.5	1393.5	1547.2	1674.3	1703.4	1601.1
45°	763.3	809.5	872.3	954.4	1061.4	1194.3	1345.4	1485.1	1558.3	1505.8	1347.5
47.5°	695.1	738.4	796.6	881.3	991.7	1129.2	1274.7	1386.1	1391.9	1266.8	1097.6
50°	648.6	688.5	747.2	831.8	941.4	1080.6	1211.9	1299.7	1260.2	1118.5	955.9
52.5°	602.9	642.0	699.9	783.7	892.0	1019.5	1141.7	1203.3	1129.0	983.5	844.6
55°	536.9	571.2	627.8	705.1	808.0	926.4	1030.2	1051.5	954.9	811.6	698.9
57.5°	472.5	504.5	556.0	627.3	721.2	826.1	907.3	902.8	800.7	677.7	588.3
60°	428.9	460.1	505.8	575.3	661.0	751.4	820.9	804.3	703.1	597.1	521.9
62.5°	389.9	417.7	460.9	521.7	599.9	683.7	740.8	716.3	617.1	524.4	464.9
65°	332.3	355.7	392.6	444.5	509.4	578.5	622.6	590.9	506.3	434.1	386.3
67.5°	277.4	296.1	327.0	368.5	423.8	479.3	506.2	474.3	406.6	353.9	318.5
70°	242.5	259.1	283.0	319.9	368.2	414.9	435.1	406.6	348.4	303.2	277.8
72.5°	207.6	221.3	242.3	275.4	314.1	354.7	372.4	345.1	297.3	259.2	235.4
75°	160.5	169.8	184.3	207.2	237.8	270.0	279.9	256.0	225.4	196.8	181.2
77.5°	114.9	122.8	133.8	148.2	169.9	190.4	199.0	185.2	161.5	143.4	130.6
80°	88.3	92.4	101.8	113.7	130.9	143.8	149.5	140.7	124.1	110.6	100.7
82.5°	62.9	67.1	72.7	82.6	93.5	102.3	108.4	102.5	90.5	79.9	74.1
85°	30.6	33.2	36.3	40.5	48.8	54.0	53.5	49.8	45.2	41.0	37.9
87.5°	11.2	11.9	13.5	15.8	17.3	19.2	20.3	19.7	18.3	17.2	16.1
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3
92.5°	11.1	10.1	9.1	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3
95°	44.1	43.5	43.0	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3
97.5°	94.0	94.9	95.9	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7
100°	131.1	131.6	132.2	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3
102.5°	169.4	170.1	170.7	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8
105°	230.6	231.3	232.0	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.4	293.4	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1
110°	334.7	334.7	334.7	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.9	374.3	374.8	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0
115°	432.6	433.4	434.3	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0
117.5°	491.9	491.8	491.8	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9
120°	529.3	529.1	528.9	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3
122.5°	563.3	563.9	564.6	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0
125°	615.1	616.3	617.6	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0
127.5°	663.7	664.6	665.5	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5
130°	693.8	694.6	695.5	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5
132.5°	723.9	724.9	725.9	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5
135°	766.7	767.7	768.8	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1
137.5°	805.8	806.7	807.6	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7
140°	830.9	831.2	831.6	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0
142.5°	853.9	854.1	854.3	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9
145°	888.0	888.3	888.7	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5
147.5°	917.3	917.2	917.1	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4
150°	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8
152.5°	953.5	952.7	952.0	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1
155°	976.5	975.5	974.4	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5
157.5°	994.9	994.3	993.7	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0
160°	1007.0	1006.0	1004.9	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5
162.5°	1017.0	1016.0	1014.9	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1
165°	1030.5	1029.4	1028.4	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7
167.5°	1040.5	1039.4	1038.3	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0
170°	1045.9	1044.7	1043.5	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2
172.5°	1049.7	1048.5	1047.3	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3
175°	1053.9	1052.9	1051.9	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8
177.5°	1056.0	1055.2	1054.4	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4	1223.4
2.5°	1279.4	1282.8	1289.8	1287.3	1290.7	1292.3	1294.0
5°	1382.8	1399.4	1406.7	1405.6	1416.5	1413.9	1411.3
7.5°	1499.5	1517.0	1526.7	1538.9	1545.9	1546.4	1552.6
10°	1565.6	1588.4	1597.8	1610.7	1619.0	1623.7	1623.2
12.5°	1616.2	1634.1	1655.1	1661.4	1672.6	1678.5	1676.4
15°	1677.2	1705.8	1727.6	1738.5	1752.5	1756.6	1762.4
17.5°	1731.6	1769.9	1795.4	1829.2	1842.0	1849.8	1845.2
20°	1772.7	1823.1	1848.6	1889.1	1911.4	1923.3	1919.2
22.5°	1821.3	1875.9	1922.9	1958.0	1992.0	2008.1	2011.4
25°	1904.6	1979.4	2048.5	2094.7	2136.7	2146.6	2168.4
27.5°	1997.7	2085.9	2159.7	2208.3	2237.6	2248.6	2255.4
30°	2056.3	2144.0	2199.6	2230.7	2240.1	2239.0	2238.0
32.5°	2084.9	2139.9	2150.5	2141.8	2120.4	2102.4	2083.5
35°	2044.3	2003.3	1942.0	1863.1	1804.9	1746.3	1740.5
37.5°	1838.6	1707.4	1605.4	1491.5	1425.8	1385.2	1357.1
40°	1645.0	1496.0	1372.4	1276.3	1209.3	1182.9	1156.9
42.5°	1434.8	1292.4	1183.0	1102.7	1052.3	1022.9	1002.4
45°	1165.7	1040.1	954.4	896.2	856.3	833.4	820.4
47.5°	955.2	862.3	789.5	747.5	719.9	702.1	702.2
50°	842.2	753.4	705.1	671.9	648.0	634.0	636.6
52.5°	742.1	675.8	634.5	606.7	589.0	580.4	580.1
55°	620.5	572.7	545.7	525.5	513.5	503.7	505.8
57.5°	530.8	490.5	472.4	455.6	447.3	443.3	437.6
60°	475.1	444.0	428.4	414.9	406.6	403.5	397.7
62.5°	425.7	401.2	386.0	375.0	367.5	366.5	362.0
65°	357.8	339.1	325.6	320.4	312.6	310.5	310.5
67.5°	294.9	281.5	271.1	266.3	262.8	263.4	260.9
70°	255.5	244.6	237.8	232.6	230.0	230.5	228.5
72.5°	223.5	211.3	205.4	202.3	198.9	200.2	199.4
75°	169.3	163.0	159.9	156.8	154.7	153.7	152.7
77.5°	124.3	118.8	116.4	114.7	115.0	112.5	114.4
80°	96.1	91.4	89.8	87.2	86.7	86.7	86.2
82.5°	70.3	67.7	66.6	64.4	63.5	64.3	62.9
85°	36.3	34.3	33.8	33.8	32.7	31.7	34.3
87.5°	16.3	14.8	15.0	14.7	14.8	14.5	13.7
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	15.1	16.0	16.5	16.8	17.0	17.3	17.5
95°	15.1	16.0	16.4	16.4	16.4	16.4	16.4
97.5°	23.8	18.9	16.4	16.4	16.4	16.4	16.4
100°	58.4	32.5	19.2	18.5	17.8	17.1	16.4
102.5°	158.9	154.0	145.7	133.8	122.0	110.2	98.4
105°	233.0	233.0	233.0	232.8	232.6	232.4	232.3
107.5°	295.1	295.1	294.9	294.4	293.8	293.3	292.8
110°	334.7	334.2	334.0	334.2	334.4	334.5	334.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.3	373.7	373.2	373.0	372.7	372.5	372.3
115°	434.3	433.6	432.7	431.7	430.6	429.6	428.6
117.5°	492.0	491.1	490.4	490.0	489.5	489.1	488.6
120°	530.0	529.6	529.0	528.1	527.3	526.4	525.5
122.5°	565.6	565.3	564.6	563.6	562.6	561.6	560.6
125°	617.3	616.6	616.0	615.5	614.9	614.4	613.9
127.5°	665.2	664.8	663.9	662.7	661.4	660.1	658.8
130°	696.0	695.5	694.8	693.9	693.1	692.2	691.3
132.5°	725.4	725.3	724.8	724.0	723.1	722.2	721.4
135°	767.7	767.4	766.7	765.6	764.6	763.5	762.5
137.5°	807.7	807.8	807.4	806.5	805.6	804.7	803.8
140°	832.4	832.7	832.4	831.3	830.3	829.2	828.2
142.5°	855.9	856.0	855.5	854.5	853.4	852.4	851.3
145°	889.7	889.9	889.4	888.4	887.4	886.3	885.3
147.5°	918.6	918.8	918.3	917.0	915.8	914.5	913.3
150°	937.2	937.5	937.0	935.6	934.2	932.8	931.4
152.5°	953.4	953.8	953.3	952.1	950.8	949.6	948.3
155°	976.0	976.5	976.1	974.7	973.3	971.9	970.5
157.5°	994.6	995.1	994.7	993.3	991.9	990.5	989.1
160°	1006.2	1006.9	1006.6	1005.2	1003.8	1002.4	1001.0
162.5°	1017.1	1018.0	1017.8	1016.2	1014.7	1013.2	1011.7
165°	1030.7	1031.8	1031.6	1030.2	1028.8	1027.4	1026.0
167.5°	1041.2	1042.5	1042.3	1040.7	1039.2	1037.6	1036.1
170°	1046.6	1048.0	1047.9	1046.4	1044.8	1043.2	1041.7
172.5°	1050.6	1051.9	1051.7	1050.1	1048.6	1047.0	1045.4
175°	1055.2	1056.6	1056.5	1055.0	1053.4	1051.9	1050.3
177.5°	1056.6	1057.6	1057.6	1056.4	1055.3	1054.2	1053.1
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0

(END OF REPORT)