

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: P333196

Luminaire Tested: **S125DIP-S610D1205U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333196
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-S610D1205U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7343.2 lumens
Efficiency: N/A
Efficacy: 148.6 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: Semi-Indirect

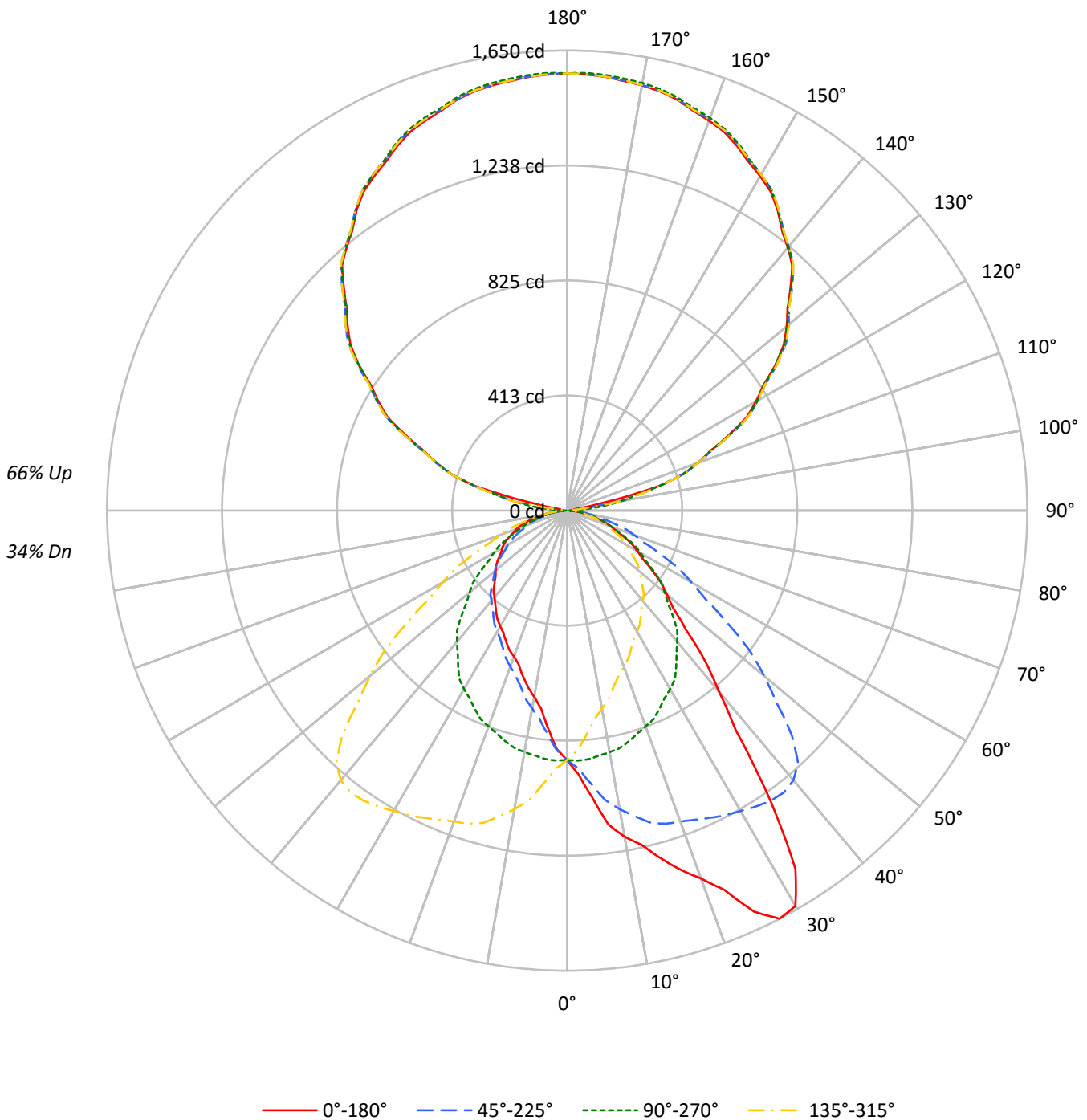
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	34
1	94	90	87	83	85	82	79	76	66	63	61	51	49	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	47	43	40	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	24	21	19	16
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	22	27	22	19	22	18	16	16	14	12	10
10	45	33	26	22	41	30	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.2
10°-20°	256.5	3.5
20°-30°	416.6	5.7
30°-40°	508.1	6.9
40°-50°	462.2	6.3
50°-60°	368.2	5.0
60°-70°	256.4	3.5
70°-80°	136.8	1.9
80°-90°	37.8	0.5
90°-100°	57.0	0.8
100°-110°	351.1	4.8
110°-120°	636.8	8.7
120°-130°	817.3	11.1
130°-140°	879.1	12.0
140°-150°	825.1	11.2
150°-160°	667.5	9.1
160°-170°	431.7	5.9
170°-180°	148.9	2.0
0°-30°	759.2	10.3
0°-40°	1267.4	17.3
0°-60°	2097.8	28.6
0°-90°	2528.8	34.4
90°-120°	1044.9	14.2
90°-150°	3566.4	48.6
90°-180°	4814.0	65.6
0°-180°	7343.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	30
90°	28	1	28	1	28	13
95°	24	66	24	66	24	20
105°	345	342	345	342	345	312
115°	637	642	637	642	637	632
125°	912	912	912	912	912	812
135°	1133	1138	1133	1138	1133	874
145°	1316	1319	1316	1319	1316	822
155°	1442	1453	1442	1453	1442	665
165°	1525	1533	1525	1533	1525	430
175°	1561	1568	1561	1568	1561	149
180°	1568	1568	1568	1568	1568	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	12.9	13.3	13.5	13.3	13.5	13.3	14.2	14.0	14.6	15.3	16.1
90°	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2	19.9	18.6	16.8
92.5°	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2	19.9	18.6	17.0
95°	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2	19.9	18.6	28.4
97.5°	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6	49.9	57.2	76.6
100°	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3	163.7	202.2	201.2
102.5°	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4	250.7	258.0	257.4
105°	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5	438.4	438.4	437.9
110°	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2	499.0	499.7	499.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3	558.3	559.2	558.9
115°	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4	647.5	648.5	648.2
117.5°	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5	733.9	735.2	734.2
120°	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1	788.6	789.1	788.3
122.5°	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1	841.6	842.1	841.8
125°	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4	919.4	920.4	920.4
127.5°	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0	989.6	990.2	990.3
130°	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1	1035.9	1036.7	1036.4
132.5°	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2	1078.4	1078.5	1079.1
135°	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4	1141.9	1142.4	1142.9
137.5°	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3	1200.2	1200.1	1200.5
140°	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4	1235.9	1235.4	1235.7
142.5°	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9	1271.8	1271.7	1271.3
145°	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9	1321.7	1321.4	1321.4
147.5°	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8	1364.5	1364.2	1363.9
150°	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2	1391.6	1391.1	1390.6
152.5°	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3	1415.8	1415.3	1414.8
155°	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6	1448.9	1448.1	1447.6
157.5°	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2	1476.3	1475.5	1475.5
160°	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3	1493.3	1492.2	1492.0
162.5°	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0	1508.6	1507.1	1506.9
165°	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2	1528.7	1527.1	1526.8
167.5°	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5	1543.6	1541.8	1541.5
170°	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3	1551.3	1549.2	1548.9
172.5°	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4	1557.6	1555.7	1555.2
175°	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1	1564.0	1562.0	1561.7
177.5°	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8	1567.4	1565.9	1565.7
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	16.4	15.4	13.8	12.5	10.6	9.3	8.5	8.4	7.9	8.0	8.8
90°	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2	3.2	5.3	7.4
92.5°	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9	16.5	15.0	13.6
95°	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2	65.5	64.7	63.9
97.5°	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3	139.7	141.1	142.5
100°	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1	194.9	195.6	196.4
102.5°	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8	251.8	252.8	253.7
105°	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7	342.7	343.7	344.8
107.5°	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
110°	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1	555.7	556.3	556.9
115°	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5	642.8	644.1	645.4
117.5°	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0	731.0	730.9	730.9
120°	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8	786.5	786.3	786.0
122.5°	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1	837.1	838.0	839.0
125°	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3	914.1	915.9	917.7
127.5°	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1	986.4	987.6	988.9
130°	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7	1031.0	1032.3	1033.6
132.5°	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3	1075.8	1077.3	1078.8
135°	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8	1139.3	1140.9	1142.4
137.5°	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1	1197.5	1198.8	1200.1
140°	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2	1234.8	1235.3	1235.8
142.5°	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6	1268.9	1269.3	1269.6
145°	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1	1319.6	1320.1	1320.6
147.5°	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2	1363.1	1363.0	1362.9
150°	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1390.6	1390.1	1389.6
152.5°	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1	1417.0	1415.8	1414.7
155°	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7	1451.2	1449.6	1448.1
157.5°	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5	1478.5	1477.6	1476.7
160°	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1	1496.5	1495.0	1493.4
162.5°	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9	1511.4	1509.8	1508.3
165°	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9	1531.4	1529.8	1528.3
167.5°	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8	1546.2	1544.6	1543.0
170°	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2	1554.4	1552.5	1550.7
172.5°	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7	1559.9	1558.1	1556.3
175°	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8	1566.2	1564.7	1563.1
177.5°	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6	1569.3	1568.1	1566.9
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	9.5	10.5	10.5	11.2	11.6	12.5	12.5	14.0	14.8	15.7	15.6
90°	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2	22.5	23.8	24.8
92.5°	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2	22.5	23.8	24.6
95°	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2	22.5	23.8	24.4
97.5°	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6	35.3	28.0	24.4
100°	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3	86.8	48.3	28.5
102.5°	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4	236.2	228.9	216.5
105°	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.2
107.5°	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5	438.5	438.6	438.2
110°	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2	497.4	496.6	496.4



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3	556.3	555.3	554.6
115°	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4	645.4	644.4	643.1
117.5°	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5	731.2	729.8	728.8
120°	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1	787.6	787.1	786.2
122.5°	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1	840.6	840.1	839.0
125°	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4	917.3	916.3	915.4
127.5°	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0	988.5	987.9	986.7
130°	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1	1034.3	1033.6	1032.5
132.5°	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2	1078.0	1077.9	1077.2
135°	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4	1140.9	1140.4	1139.3
137.5°	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3	1200.4	1200.5	1199.9
140°	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4	1236.9	1237.5	1236.9
142.5°	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9	1272.0	1272.1	1271.4
145°	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9	1322.2	1322.4	1321.8
147.5°	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8	1365.1	1365.4	1364.6
150°	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2	1392.7	1393.2	1392.4
152.5°	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3	1416.9	1417.4	1416.7
155°	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6	1450.4	1451.2	1450.5
157.5°	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2	1478.0	1478.8	1478.2
160°	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3	1495.3	1496.4	1495.9
162.5°	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0	1511.5	1512.9	1512.5
165°	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2	1531.8	1533.3	1533.0
167.5°	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5	1547.3	1549.2	1549.0
170°	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3	1555.4	1557.5	1557.3
172.5°	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4	1561.3	1563.1	1562.9
175°	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1	1568.2	1570.2	1570.1
177.5°	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8	1570.3	1571.7	1571.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	16.4	16.2	16.4	17.1	16.4	16.2	16.4	15.6	15.7	14.8	14.0
90°	25.6	26.3	27.1	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2
92.5°	24.9	25.3	25.7	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2
95°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2
97.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6
100°	27.5	26.5	25.4	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3
102.5°	198.9	181.3	163.8	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4
105°	345.9	345.7	345.4	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3
107.5°	437.4	436.7	435.9	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5
110°	496.6	496.9	497.2	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	554.3	553.9	553.6	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3
115°	641.5	640.0	638.4	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4
117.5°	728.1	727.5	726.8	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5
120°	784.9	783.6	782.3	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1
122.5°	837.5	836.0	834.6	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1
125°	914.6	913.9	913.1	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4
127.5°	984.8	982.8	980.9	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0
130°	1031.2	1030.0	1028.7	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1
132.5°	1075.9	1074.6	1073.3	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2
135°	1137.8	1136.2	1134.7	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4
137.5°	1198.5	1197.2	1195.8	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3
140°	1235.4	1233.9	1232.3	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4
142.5°	1269.8	1268.3	1266.7	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9
145°	1320.2	1318.7	1317.1	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9
147.5°	1362.8	1360.9	1359.1	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8
150°	1390.4	1388.3	1386.2	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2
152.5°	1414.8	1413.0	1411.1	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3
155°	1448.5	1446.4	1444.3	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6
157.5°	1476.1	1474.1	1472.0	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2
160°	1493.8	1491.7	1489.7	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3
162.5°	1510.2	1507.9	1505.7	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0
165°	1531.0	1528.9	1526.8	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2
167.5°	1546.6	1544.3	1542.0	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5
170°	1555.0	1552.7	1550.4	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3
172.5°	1560.6	1558.3	1555.9	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4
175°	1567.8	1565.5	1563.1	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1
177.5°	1570.0	1568.3	1566.6	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	12.5	12.5	11.6	11.2	10.5	10.5	9.5	8.8	8.0	7.9	8.4
90°	19.9	18.6	16.8	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2
92.5°	19.9	18.6	17.0	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9
95°	19.9	18.6	28.4	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2
97.5°	49.9	57.2	76.6	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3
100°	163.7	202.2	201.2	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1
102.5°	250.7	258.0	257.4	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8
105°	346.3	346.3	346.3	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7
107.5°	438.4	438.4	437.9	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1
110°	499.0	499.7	499.2	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	558.3	559.2	558.9	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1
115°	647.5	648.5	648.2	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5
117.5°	733.9	735.2	734.2	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0
120°	788.6	789.1	788.3	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8
122.5°	841.6	842.1	841.8	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1
125°	919.4	920.4	920.4	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3
127.5°	989.6	990.2	990.3	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1
130°	1035.9	1036.7	1036.4	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7
132.5°	1078.4	1078.5	1079.1	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3
135°	1141.9	1142.4	1142.9	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8
137.5°	1200.2	1200.1	1200.5	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1
140°	1235.9	1235.4	1235.7	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2
142.5°	1271.8	1271.7	1271.3	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6
145°	1321.7	1321.4	1321.4	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1
147.5°	1364.5	1364.2	1363.9	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2
150°	1391.6	1391.1	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1
152.5°	1415.8	1415.3	1414.8	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1
155°	1448.9	1448.1	1447.6	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7
157.5°	1476.3	1475.5	1475.5	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5
160°	1493.3	1492.2	1492.0	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1
162.5°	1508.6	1507.1	1506.9	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9
165°	1528.7	1527.1	1526.8	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9
167.5°	1543.6	1541.8	1541.5	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8
170°	1551.3	1549.2	1548.9	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2
172.5°	1557.6	1555.7	1555.2	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7
175°	1564.0	1562.0	1561.7	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8
177.5°	1567.4	1565.9	1565.7	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333196

CATALOG NUMBER: S125DIP-S610D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.5	9.3	10.6	12.5	13.8	15.4	16.4	16.1	15.3	14.6	14.0
90°	3.2	5.3	7.4	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2
92.5°	16.5	15.0	13.6	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2
95°	65.5	64.7	63.9	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2
97.5°	139.7	141.1	142.5	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6
100°	194.9	195.6	196.4	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3
102.5°	251.8	252.8	253.7	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4
105°	342.7	343.7	344.8	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	436.1	436.1	436.1	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5
110°	497.4	497.4	497.4	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2



TEST NUMBER: P333196

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	555.7	556.3	556.9	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3
115°	642.8	644.1	645.4	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4
117.5°	731.0	730.9	730.9	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5
120°	786.5	786.3	786.0	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1
122.5°	837.1	838.0	839.0	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1
125°	914.1	915.9	917.7	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4
127.5°	986.4	987.6	988.9	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0
130°	1031.0	1032.3	1033.6	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1
132.5°	1075.8	1077.3	1078.8	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2
135°	1139.3	1140.9	1142.4	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4
137.5°	1197.5	1198.8	1200.1	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3
140°	1234.8	1235.3	1235.8	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4
142.5°	1268.9	1269.3	1269.6	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9
145°	1319.6	1320.1	1320.6	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9
147.5°	1363.1	1363.0	1362.9	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8
150°	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2
152.5°	1417.0	1415.8	1414.7	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3
155°	1451.2	1449.6	1448.1	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6
157.5°	1478.5	1477.6	1476.7	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2
160°	1496.5	1495.0	1493.4	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3
162.5°	1511.4	1509.8	1508.3	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0
165°	1531.4	1529.8	1528.3	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2
167.5°	1546.2	1544.6	1543.0	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5
170°	1554.4	1552.5	1550.7	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3
172.5°	1559.9	1558.1	1556.3	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4
175°	1566.2	1564.7	1563.1	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1
177.5°	1569.3	1568.1	1566.9	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	14.2	13.3	13.5	13.3	13.5	13.3	12.9
90°	22.5	23.8	24.8	25.6	26.3	27.1	27.9
92.5°	22.5	23.8	24.6	24.9	25.3	25.7	26.0
95°	22.5	23.8	24.4	24.4	24.4	24.4	24.4
97.5°	35.3	28.0	24.4	24.4	24.4	24.4	24.4
100°	86.8	48.3	28.5	27.5	26.5	25.4	24.4
102.5°	236.2	228.9	216.5	198.9	181.3	163.8	146.2
105°	346.3	346.3	346.2	345.9	345.7	345.4	345.2
107.5°	438.5	438.6	438.2	437.4	436.7	435.9	435.1
110°	497.4	496.6	496.4	496.6	496.9	497.2	497.4



TEST NUMBER: P333196

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	556.3	555.3	554.6	554.3	553.9	553.6	553.2
115°	645.4	644.4	643.1	641.5	640.0	638.4	636.9
117.5°	731.2	729.8	728.8	728.1	727.5	726.8	726.1
120°	787.6	787.1	786.2	784.9	783.6	782.3	781.0
122.5°	840.6	840.1	839.0	837.5	836.0	834.6	833.1
125°	917.3	916.3	915.4	914.6	913.9	913.1	912.3
127.5°	988.5	987.9	986.7	984.8	982.8	980.9	979.0
130°	1034.3	1033.6	1032.5	1031.2	1030.0	1028.7	1027.4
132.5°	1078.0	1077.9	1077.2	1075.9	1074.6	1073.3	1072.0
135°	1140.9	1140.4	1139.3	1137.8	1136.2	1134.7	1133.1
137.5°	1200.4	1200.5	1199.9	1198.5	1197.2	1195.8	1194.5
140°	1236.9	1237.5	1236.9	1235.4	1233.9	1232.3	1230.8
142.5°	1272.0	1272.1	1271.4	1269.8	1268.3	1266.7	1265.2
145°	1322.2	1322.4	1321.8	1320.2	1318.7	1317.1	1315.6
147.5°	1365.1	1365.4	1364.6	1362.8	1360.9	1359.1	1357.2
150°	1392.7	1393.2	1392.4	1390.4	1388.3	1386.2	1384.2
152.5°	1416.9	1417.4	1416.7	1414.8	1413.0	1411.1	1409.3
155°	1450.4	1451.2	1450.5	1448.5	1446.4	1444.3	1442.3
157.5°	1478.0	1478.8	1478.2	1476.1	1474.1	1472.0	1469.9
160°	1495.3	1496.4	1495.9	1493.8	1491.7	1489.7	1487.6
162.5°	1511.5	1512.9	1512.5	1510.2	1507.9	1505.7	1503.4
165°	1531.8	1533.3	1533.0	1531.0	1528.9	1526.8	1524.8
167.5°	1547.3	1549.2	1549.0	1546.6	1544.3	1542.0	1539.7
170°	1555.4	1557.5	1557.3	1555.0	1552.7	1550.4	1548.0
172.5°	1561.3	1563.1	1562.9	1560.6	1558.3	1555.9	1553.6
175°	1568.2	1570.2	1570.1	1567.8	1565.5	1563.1	1560.8
177.5°	1570.3	1571.7	1571.6	1570.0	1568.3	1566.6	1565.0
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8

(END OF REPORT)