

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: P333188

Luminaire Tested: **S125DIP-S610D1035U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333188
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D1035U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6108.1 lumens
Efficiency: N/A
Efficacy: 137.3 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

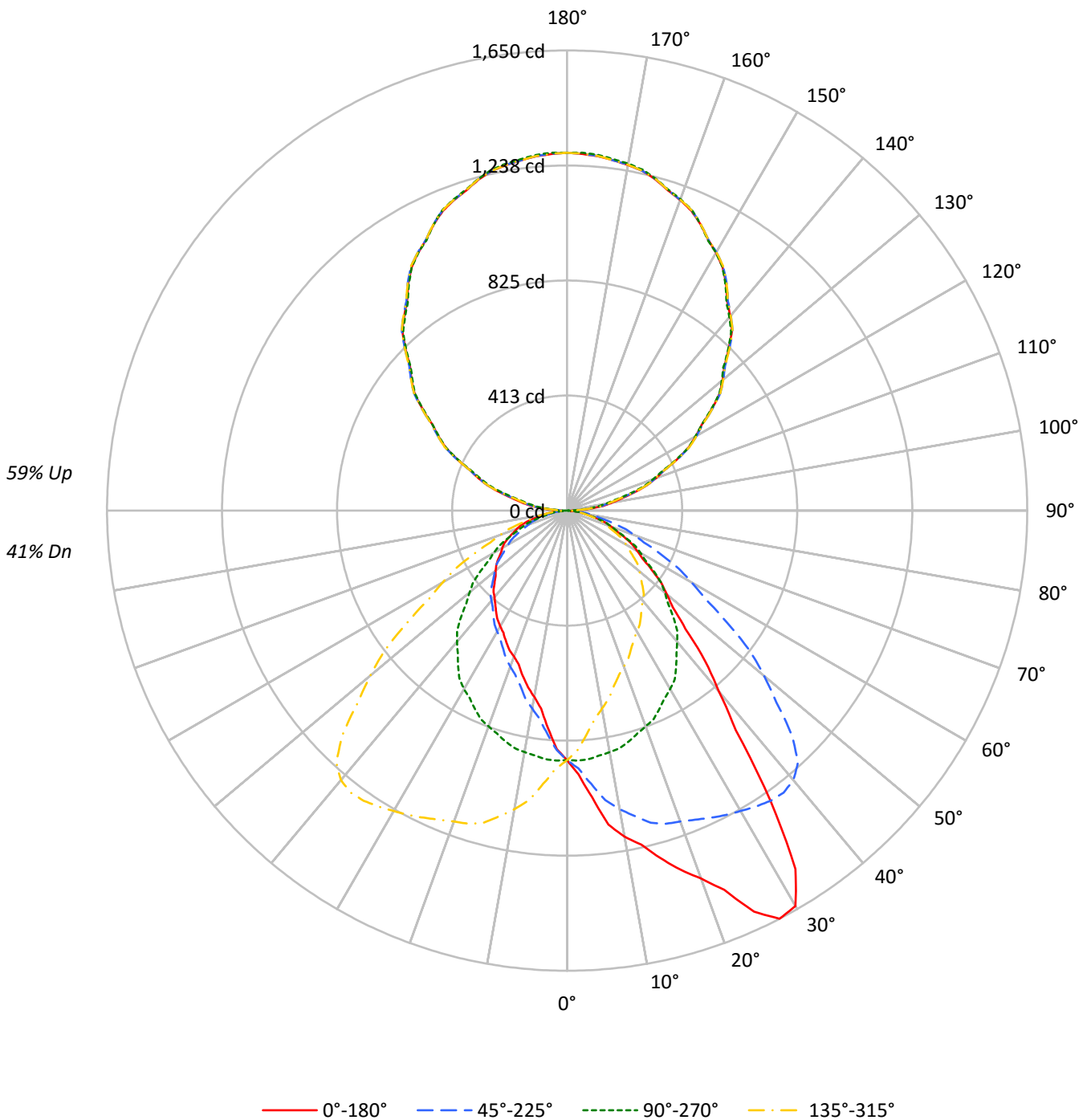
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41																				
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35																				
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35	30																				
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25																				
4	73	63	55	49	66	57	51	46	48	43	39	39	35	32	30	28	26	22																				
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	25	22	19																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17																				
7	57	45	37	32	52	42	35	30	35	29	26	28	25	22	23	20	18	15																				
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11																				

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	1.4
10°-20°	256.5	4.2
20°-30°	416.6	6.8
30°-40°	508.1	8.3
40°-50°	462.2	7.6
50°-60°	368.2	6.0
60°-70°	256.4	4.2
70°-80°	136.8	2.2
80°-90°	37.3	0.6
90°-100°	85.9	1.4
100°-110°	253.7	4.2
110°-120°	429.8	7.0
120°-130°	565.6	9.3
130°-140°	633.8	10.4
140°-150°	621.1	10.2
150°-160°	521.7	8.5
160°-170°	346.8	5.7
170°-180°	121.4	2.0
0°-30°	759.2	12.4
0°-40°	1267.4	20.7
0°-60°	2097.8	34.3
0°-90°	2528.3	41.4
90°-120°	769.4	12.6
90°-150°	2589.9	42.4
90°-180°	3580.0	58.6
0°-180°	6108.1	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°	24	1	24	1	24	15
95°	86	65	86	65	86	87
105°	248	228	248	228	248	262
115°	434	430	434	430	434	430
125°	632	628	632	628	632	564
135°	820	817	820	817	820	632
145°	993	989	993	989	993	620
155°	1132	1132	1132	1132	1132	521
165°	1228	1231	1228	1231	1228	346
175°	1275	1280	1275	1280	1275	121
180°	1283	1283	1283	1283	1283	



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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°	12.1	12.6	12.7	12.6	12.8	12.6	13.6	13.4	14.1	14.7	15.6
90°	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2	17.1	16.0	14.4
92.5°	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3	39.8	38.3	36.4
95°	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0	78.4	76.9	74.7
97.5°	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3	123.9	122.4	119.3
100°	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7	154.7	152.7	149.9
102.5°	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0	186.9	184.7	183.2
105°	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3	239.9	238.6	237.3
107.5°	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6	297.0	296.3	295.3
110°	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8	336.1	335.4	334.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0	375.7	375.4	374.5
115°	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8	436.1	436.3	435.8
117.5°	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7	495.6	495.4	495.0
120°	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1	536.1	536.1	535.9
122.5°	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7	575.9	576.0	575.5
125°	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1	634.5	635.0	634.7
127.5°	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0	692.2	692.5	692.2
130°	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3	730.6	730.8	730.3
132.5°	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1	767.3	767.5	767.6
135°	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6	823.6	823.6	823.4
137.5°	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7	878.4	878.1	877.7
140°	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4	912.9	912.5	911.8
142.5°	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4	947.1	946.8	946.0
145°	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4	996.4	996.4	995.7
147.5°	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7	1041.2	1040.7	1040.1
150°	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2	1070.2	1070.2	1069.3
152.5°	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9	1096.3	1095.8	1095.4
155°	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9	1134.0	1133.1	1132.9
157.5°	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8	1167.0	1166.1	1165.9
160°	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8	1186.9	1186.0	1185.8
162.5°	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5	1205.5	1204.4	1204.4
165°	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7	1230.9	1230.0	1229.7
167.5°	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4	1249.1	1247.7	1247.7
170°	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6	1260.3	1258.9	1258.9
172.5°	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6	1268.2	1266.9	1266.9
175°	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6	1277.2	1275.9	1275.9
177.5°	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6	1281.6	1280.5	1280.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



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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°	15.9	15.0	13.5	12.3	10.4	9.1	8.5	8.4	7.8	7.9	8.6
90°	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0	2.8	4.5	6.3
92.5°	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2	25.4	26.6	27.9
95°	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9	65.3	65.8	66.2
97.5°	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8	108.0	108.2	108.4
100°	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8	139.8	139.8	139.8
102.5°	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1	175.0	175.9	176.8
105°	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6	228.7	229.8	231.0
107.5°	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7	287.8	288.9	290.1
110°	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5	328.6	329.7	330.8



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0	369.6	370.1	370.7
115°	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3	431.2	432.1	433.0
117.5°	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8	492.2	492.6	493.0
120°	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1	531.2	532.3	533.5
122.5°	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7	572.1	572.5	572.9
125°	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0	629.3	630.6	632.0
127.5°	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9	688.6	689.4	690.1
130°	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8	724.9	726.0	727.1
132.5°	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7	761.6	763.4	765.2
135°	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7	818.0	819.3	820.6
137.5°	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2	871.4	872.7	874.0
140°	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5	905.6	906.7	907.8
142.5°	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8	939.8	940.7	941.6
145°	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4	990.3	991.1	992.0
147.5°	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1	1036.6	1037.1	1037.6
150°	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2	1067.0	1066.8	1066.6
152.5°	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8	1093.1	1093.4	1093.7
155°	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3	1166.8	1166.3	1165.8
160°	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0	1187.4	1186.7	1186.0
162.5°	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4	1205.9	1205.4	1204.9
165°	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0	1230.5	1230.1	1229.6
167.5°	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7	1250.8	1250.0	1249.1
170°	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9	1262.0	1261.1	1260.3
172.5°	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9	1270.0	1269.1	1268.2
175°	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9	1279.0	1278.1	1277.2
177.5°	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5	1283.8	1283.1	1282.3
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

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°	9.2	10.2	10.2	10.8	11.1	12.0	11.9	13.4	14.2	15.0	14.9
90°	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2	19.3	20.4	21.3
92.5°	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3	42.7	44.2	45.2
95°	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0	81.5	83.1	84.1
97.5°	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3	126.8	128.3	129.1
100°	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7	158.7	160.7	162.0
102.5°	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0	191.2	193.4	194.8
105°	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3	242.6	243.9	244.9
107.5°	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6	298.3	299.0	299.3
110°	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8	337.4	338.1	338.3



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0	376.3	376.6	376.6
115°	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8	435.6	435.4	435.2
117.5°	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7	495.9	496.1	495.7
120°	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1	536.1	536.1	535.7
122.5°	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7	575.5	575.3	574.9
125°	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1	633.6	633.2	632.8
127.5°	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0	691.8	691.6	691.2
130°	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3	730.1	729.9	729.6
132.5°	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1	766.9	766.6	766.2
135°	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6	823.6	823.6	823.2
137.5°	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7	878.9	879.2	878.8
140°	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4	913.8	914.3	913.9
142.5°	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4	947.6	947.9	947.5
145°	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4	996.4	996.4	996.0
147.5°	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7	1042.3	1042.8	1042.3
150°	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2	1070.2	1070.2	1070.0
152.5°	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9	1097.4	1097.9	1097.8
155°	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9	1135.8	1136.7	1136.6
157.5°	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8	1168.7	1169.6	1169.3
160°	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8	1188.7	1189.6	1189.5
162.5°	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5	1207.6	1208.7	1208.6
165°	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7	1232.6	1233.5	1233.3
167.5°	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4	1251.7	1253.1	1253.0
170°	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6	1262.9	1264.2	1264.1
172.5°	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6	1270.9	1272.2	1272.2
175°	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6	1279.9	1281.2	1281.1
177.5°	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6	1283.7	1284.7	1284.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

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°	15.6	15.5	15.6	16.3	15.6	15.5	15.6	14.9	15.0	14.2	13.4
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2
92.5°	45.7	46.1	46.6	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3
95°	84.5	85.0	85.4	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0
97.5°	129.4	129.7	129.9	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3
100°	162.4	162.8	163.3	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7
102.5°	195.4	196.0	196.7	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0
105°	245.6	246.3	246.9	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3
107.5°	299.2	299.2	299.2	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6
110°	338.1	337.9	337.7	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.2	375.8	375.4	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0
115°	434.9	434.7	434.5	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8
117.5°	494.8	494.0	493.1	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7
120°	534.8	533.9	533.0	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1
122.5°	574.2	573.5	572.8	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7
125°	632.6	632.4	632.2	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1
127.5°	690.8	690.3	689.9	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0
130°	729.1	728.7	728.2	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3
132.5°	765.6	765.0	764.4	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1
135°	822.3	821.4	820.5	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6
137.5°	877.7	876.6	875.5	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7
140°	912.8	911.7	910.6	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4
142.5°	946.4	945.3	944.2	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4
145°	995.4	994.7	994.0	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4
147.5°	1040.8	1039.3	1037.8	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7
150°	1069.6	1069.1	1068.7	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2
152.5°	1097.0	1096.2	1095.4	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9
155°	1135.5	1134.3	1133.2	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9
157.5°	1167.9	1166.4	1164.9	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8
160°	1188.4	1187.3	1186.2	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8
162.5°	1207.3	1206.0	1204.7	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5
165°	1232.0	1230.6	1229.3	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7
167.5°	1251.7	1250.3	1248.9	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4
170°	1262.6	1261.0	1259.5	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6
172.5°	1270.8	1269.5	1268.1	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6
175°	1279.6	1278.0	1276.4	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6
177.5°	1283.4	1282.2	1280.9	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

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°	11.9	12.0	11.1	10.8	10.2	10.2	9.2	8.6	7.9	7.8	8.4
90°	17.1	16.0	14.4	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0
92.5°	39.8	38.3	36.4	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2
95°	78.4	76.9	74.7	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9
97.5°	123.9	122.4	119.3	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8
100°	154.7	152.7	149.9	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8
102.5°	186.9	184.7	183.2	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1
105°	239.9	238.6	237.3	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6
107.5°	297.0	296.3	295.3	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7
110°	336.1	335.4	334.8	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	375.4	374.5	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0
115°	436.1	436.3	435.8	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3
117.5°	495.6	495.4	495.0	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8
120°	536.1	536.1	535.9	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1
122.5°	575.9	576.0	575.5	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7
125°	634.5	635.0	634.7	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0
127.5°	692.2	692.5	692.2	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9
130°	730.6	730.8	730.3	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8
132.5°	767.3	767.5	767.6	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7
135°	823.6	823.6	823.4	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7
137.5°	878.4	878.1	877.7	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2
140°	912.9	912.5	911.8	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5
142.5°	947.1	946.8	946.0	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8
145°	996.4	996.4	995.7	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4
147.5°	1041.2	1040.7	1040.1	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1
150°	1070.2	1070.2	1069.3	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2
152.5°	1096.3	1095.8	1095.4	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8
155°	1134.0	1133.1	1132.9	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1167.0	1166.1	1165.9	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3
160°	1186.9	1186.0	1185.8	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0
162.5°	1205.5	1204.4	1204.4	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4
165°	1230.9	1230.0	1229.7	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0
167.5°	1249.1	1247.7	1247.7	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7
170°	1260.3	1258.9	1258.9	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9
172.5°	1268.2	1266.9	1266.9	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9
175°	1277.2	1275.9	1275.9	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9
177.5°	1281.6	1280.5	1280.7	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333188

CATALOG NUMBER: S125DIP-S610D1035U835-4F0-1E-UDD-A1

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	9.1	10.4	12.3	13.5	15.0	15.9	15.6	14.7	14.1	13.4
90°	2.8	4.5	6.3	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2
92.5°	25.4	26.6	27.9	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3
95°	65.3	65.8	66.2	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0
97.5°	108.0	108.2	108.4	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3
100°	139.8	139.8	139.8	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7
102.5°	175.0	175.9	176.8	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0
105°	228.7	229.8	231.0	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3
107.5°	287.8	288.9	290.1	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6
110°	328.6	329.7	330.8	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	369.6	370.1	370.7	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0
115°	431.2	432.1	433.0	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8
117.5°	492.2	492.6	493.0	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7
120°	531.2	532.3	533.5	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1
122.5°	572.1	572.5	572.9	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7
125°	629.3	630.6	632.0	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1
127.5°	688.6	689.4	690.1	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0
130°	724.9	726.0	727.1	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3
132.5°	761.6	763.4	765.2	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1
135°	818.0	819.3	820.6	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6
137.5°	871.4	872.7	874.0	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7
140°	905.6	906.7	907.8	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4
142.5°	939.8	940.7	941.6	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4
145°	990.3	991.1	992.0	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4
147.5°	1036.6	1037.1	1037.6	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7
150°	1067.0	1066.8	1066.6	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2
152.5°	1093.1	1093.4	1093.7	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9
155°	1132.1	1132.1	1132.1	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9
157.5°	1166.8	1166.3	1165.8	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8
160°	1187.4	1186.7	1186.0	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8
162.5°	1205.9	1205.4	1204.9	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5
165°	1230.5	1230.1	1229.6	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7
167.5°	1250.8	1250.0	1249.1	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4
170°	1262.0	1261.1	1260.3	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6
172.5°	1270.0	1269.1	1268.2	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6
175°	1279.0	1278.1	1277.2	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6
177.5°	1283.8	1283.1	1282.3	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



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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°	13.6	12.6	12.8	12.6	12.7	12.6	12.1
90°	19.3	20.4	21.3	22.0	22.6	23.3	24.0
92.5°	42.7	44.2	45.2	45.7	46.1	46.6	47.1
95°	81.5	83.1	84.1	84.5	85.0	85.4	85.9
97.5°	126.8	128.3	129.1	129.4	129.7	129.9	130.2
100°	158.7	160.7	162.0	162.4	162.8	163.3	163.7
102.5°	191.2	193.4	194.8	195.4	196.0	196.7	197.3
105°	242.6	243.9	244.9	245.6	246.3	246.9	247.6
107.5°	298.3	299.0	299.3	299.2	299.2	299.2	299.1
110°	337.4	338.1	338.3	338.1	337.9	337.7	337.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	376.3	376.6	376.6	376.2	375.8	375.4	375.0
115°	435.6	435.4	435.2	434.9	434.7	434.5	434.3
117.5°	495.9	496.1	495.7	494.8	494.0	493.1	492.2
120°	536.1	536.1	535.7	534.8	533.9	533.0	532.1
122.5°	575.5	575.3	574.9	574.2	573.5	572.8	572.1
125°	633.6	633.2	632.8	632.6	632.4	632.2	632.0
127.5°	691.8	691.6	691.2	690.8	690.3	689.9	689.5
130°	730.1	729.9	729.6	729.1	728.7	728.2	727.8
132.5°	766.9	766.6	766.2	765.6	765.0	764.4	763.7
135°	823.6	823.6	823.2	822.3	821.4	820.5	819.6
137.5°	878.9	879.2	878.8	877.7	876.6	875.5	874.4
140°	913.8	914.3	913.9	912.8	911.7	910.6	909.5
142.5°	947.6	947.9	947.5	946.4	945.3	944.2	943.0
145°	996.4	996.4	996.0	995.4	994.7	994.0	993.4
147.5°	1042.3	1042.8	1042.3	1040.8	1039.3	1037.8	1036.3
150°	1070.2	1070.2	1070.0	1069.6	1069.1	1068.7	1068.2
152.5°	1097.4	1097.9	1097.8	1097.0	1096.2	1095.4	1094.6
155°	1135.8	1136.7	1136.6	1135.5	1134.3	1133.2	1132.1
157.5°	1168.7	1169.6	1169.3	1167.9	1166.4	1164.9	1163.5
160°	1188.7	1189.6	1189.5	1188.4	1187.3	1186.2	1185.0
162.5°	1207.6	1208.7	1208.6	1207.3	1206.0	1204.7	1203.4
165°	1232.6	1233.5	1233.3	1232.0	1230.6	1229.3	1228.0
167.5°	1251.7	1253.1	1253.0	1251.7	1250.3	1248.9	1247.5
170°	1262.9	1264.2	1264.1	1262.6	1261.0	1259.5	1257.9
172.5°	1270.9	1272.2	1272.2	1270.8	1269.5	1268.1	1266.7
175°	1279.9	1281.2	1281.1	1279.6	1278.0	1276.4	1274.9
177.5°	1283.7	1284.7	1284.7	1283.4	1282.2	1280.9	1279.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9

(END OF REPORT)