

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: P333539

Luminaire Tested: **S125RDIP-S610D1035U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333539
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: S125RDIP-S610D1035U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5980.1 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

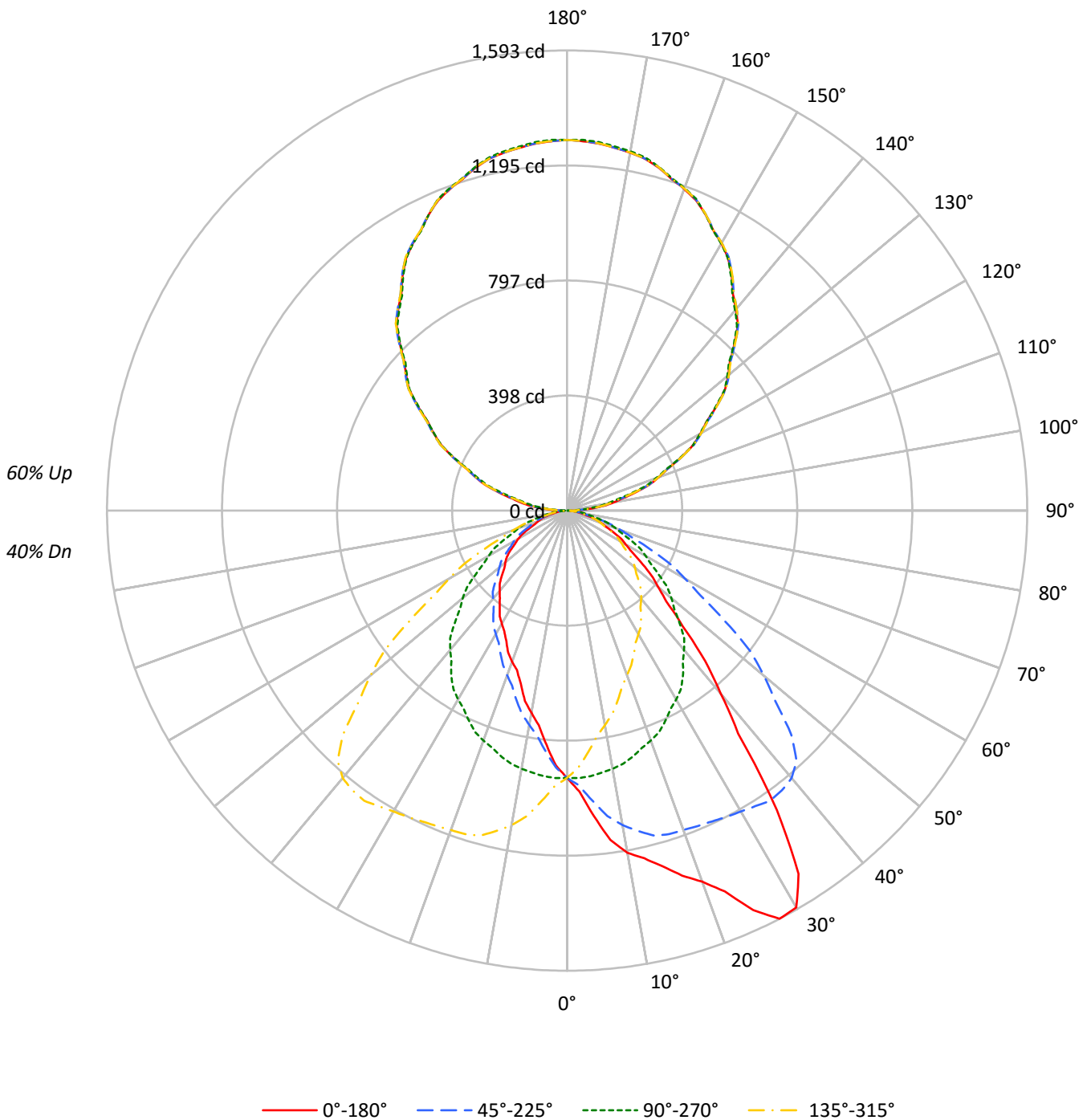
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	53	52	42	41	40	35
2	88	80	75	70	80	74	69	64	61	57	54	49	46	44	37	36	34	29
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	33	31	30	25
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	28	48	38	31	27	32	27	23	26	22	19	21	18	16	13
9	49	38	30	25	45	35	28	24	29	24	21	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5977	5977	5977	5977
5°	6876	5984	5285	5984
10°	7887	5954	4663	5954
15°	8519	5893	4145	5893
20°	9394	5822	3827	5822
25°	10871	5728	3552	5728
30°	11830	5629	3371	5629
35°	9979	5513	3205	5513
40°	6969	5306	3062	5306
45°	5170	5027	2922	5027
50°	4122	4736	2801	4736
55°	3498	4376	2694	4376
60°	3023	4053	2523	4053
65°	2694	3704	2172	3704
70°	2368	3393	1979	3393
75°	2049	2939	1859	2939
80°	1555	2473	1555	2473
85°	1297	1941	1467	1941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.5
10°-20°	260.1	4.3
20°-30°	412.3	6.9
30°-40°	497.2	8.3
40°-50°	444.0	7.4
50°-60°	340.5	5.7
60°-70°	221.3	3.7
70°-80°	107.6	1.8
80°-90°	28.5	0.5
90°-100°	85.9	1.4
100°-110°	253.7	4.2
110°-120°	429.8	7.2
120°-130°	565.6	9.5
130°-140°	633.8	10.6
140°-150°	621.1	10.4
150°-160°	521.7	8.7
160°-170°	346.8	5.8
170°-180°	121.4	2.0
0°-30°	761.1	12.7
0°-40°	1258.3	21.0
0°-60°	2042.9	34.2
0°-90°	2400.3	40.1
90°-120°	769.4	12.9
90°-150°	2589.9	43.3
90°-180°	3580.0	59.9
0°-180°	5980.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1061	923	815	923	1061	106
15°	1274	881	620	881	1274	365
25°	1526	804	498	804	1526	700
35°	1266	699	406	699	1266	765
45°	566	550	320	550	566	452
55°	311	389	239	389	311	282
65°	176	242	142	242	176	175
75°	82	118	74	118	82	87
85°	18	26	20	26	18	21
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	973.4	972.8	974.0	970.6	971.0	965.8	965.8	961.8	956.7	952.7	950.9
5°	1060.6	1061.4	1059.8	1054.1	1050.3	1044.6	1038.2	1026.8	1017.3	1008.2	1001.0
7.5°	1150.4	1150.9	1145.9	1144.2	1134.6	1127.6	1113.3	1097.8	1084.0	1066.5	1053.2
10°	1202.7	1202.3	1197.0	1192.8	1184.4	1173.8	1159.7	1141.5	1124.4	1105.4	1087.2
12.5°	1233.1	1232.1	1230.4	1225.3	1217.6	1208.1	1196.2	1178.3	1157.2	1136.4	1115.2
15°	1274.1	1271.4	1266.5	1260.0	1249.0	1238.0	1224.7	1208.8	1188.6	1165.1	1145.3
17.5°	1324.8	1324.9	1317.3	1308.4	1293.4	1273.9	1253.4	1227.7	1200.3	1174.4	1153.4
20°	1366.8	1365.6	1358.0	1340.6	1323.5	1299.2	1275.6	1244.1	1210.7	1176.8	1150.6
22.5°	1426.9	1424.0	1416.1	1393.1	1366.6	1335.3	1299.3	1260.8	1220.4	1182.0	1147.6
25°	1525.6	1523.3	1507.7	1481.1	1443.9	1395.6	1348.5	1295.7	1237.6	1187.1	1145.3
27.5°	1593.0	1590.5	1579.0	1556.9	1522.5	1471.8	1408.0	1337.5	1264.9	1195.4	1135.1
30°	1586.3	1592.0	1590.5	1580.3	1554.4	1508.8	1450.0	1370.6	1284.3	1202.7	1130.9
32.5°	1490.9	1496.0	1509.4	1529.5	1531.0	1512.8	1468.8	1395.5	1306.2	1213.3	1127.5
35°	1265.7	1272.6	1298.4	1339.0	1392.2	1436.7	1445.8	1406.3	1326.1	1226.2	1122.5
37.5°	973.1	1010.5	1032.2	1075.0	1155.3	1237.1	1315.7	1344.7	1310.6	1220.9	1114.4
40°	826.6	835.7	874.5	922.7	990.3	1075.4	1187.5	1268.4	1271.0	1208.8	1101.6
42.5°	707.5	719.0	745.6	784.1	842.0	927.1	1042.8	1149.6	1199.0	1175.3	1084.9
45°	566.0	574.7	594.1	623.7	668.2	738.5	838.0	961.5	1059.5	1097.8	1040.1
47.5°	465.0	469.7	486.5	509.1	542.0	593.2	670.2	777.4	895.0	977.4	969.3
50°	410.3	415.6	428.5	445.6	473.3	516.6	578.2	667.4	788.6	889.3	909.4
52.5°	367.7	372.1	380.2	396.4	419.2	452.5	502.2	583.0	692.0	799.0	845.6
55°	310.7	313.8	320.2	329.3	347.6	371.5	414.4	470.3	558.4	666.3	734.7
57.5°	263.8	265.3	269.4	277.8	290.4	307.9	338.9	386.3	449.5	546.6	622.1
60°	234.0	235.5	240.8	246.5	256.4	272.4	296.7	329.7	390.5	470.7	547.0
62.5°	210.3	211.2	213.5	219.2	227.8	240.2	259.3	286.3	334.6	405.0	477.1
65°	176.3	176.6	177.4	182.0	187.3	196.4	208.9	227.9	264.4	317.6	381.4
67.5°	143.6	144.1	146.8	148.4	153.9	158.7	166.1	180.6	206.3	242.1	291.7
70°	125.4	125.0	127.6	129.5	131.4	137.1	142.1	153.8	169.8	197.2	238.6
72.5°	108.3	107.4	108.5	109.2	111.7	115.6	120.5	127.7	140.0	158.9	190.5
75°	82.1	82.4	82.4	83.2	85.1	86.6	88.1	91.9	98.8	111.3	128.4
77.5°	57.6	57.0	58.6	58.8	59.9	61.6	62.9	64.4	67.2	72.4	81.2
80°	41.8	41.8	42.2	43.3	42.9	43.7	45.6	47.1	50.5	53.6	56.6
82.5°	32.1	31.8	32.1	32.4	32.3	33.0	33.7	34.0	35.3	36.8	39.0
85°	17.5	17.5	17.9	17.9	18.2	18.2	18.6	18.6	18.6	19.0	19.4
87.5°	11.5	11.0	10.6	10.5	10.6	11.1	10.5	10.0	9.8	9.6	9.6
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	950.9	948.8	944.8	941.2	936.6	932.7	929.9	926.6	922.3	917.2	912.9
5°	993.0	984.6	973.6	964.1	952.0	942.5	932.6	923.1	913.6	901.4	890.8
7.5°	1039.6	1022.4	1005.6	984.5	965.3	948.2	931.8	915.2	898.9	881.7	865.0
10°	1068.2	1047.3	1024.1	997.5	973.2	950.1	928.8	907.9	885.9	866.5	845.6
12.5°	1094.9	1068.0	1041.5	1007.9	978.7	950.4	923.3	897.3	873.7	848.6	826.1
15°	1119.1	1092.5	1062.9	1021.9	981.2	947.0	915.1	881.3	852.1	823.9	798.9
17.5°	1128.4	1100.6	1066.1	1026.7	982.3	939.3	898.2	861.1	826.7	793.9	765.7
20°	1124.8	1097.8	1062.5	1024.9	977.4	932.6	888.1	847.1	808.7	774.2	744.2
22.5°	1116.0	1088.1	1054.0	1014.3	969.2	921.6	874.2	830.4	790.2	754.4	721.7
25°	1102.8	1064.8	1029.8	991.1	948.2	901.1	852.1	803.8	760.9	724.4	688.7
27.5°	1089.0	1041.6	997.2	958.6	913.3	871.3	824.0	774.6	729.4	692.3	655.7
30°	1076.6	1023.4	974.4	930.7	887.8	847.9	803.0	754.8	708.5	670.1	632.9
32.5°	1061.1	1004.5	950.7	900.3	858.9	819.3	778.7	732.6	687.5	647.9	610.1
35°	1041.6	969.4	910.9	857.4	811.4	773.0	736.6	699.3	654.1	613.1	576.3
37.5°	1016.1	934.2	866.5	808.1	759.7	721.1	692.4	658.3	617.1	577.8	543.6
40°	1000.6	908.7	834.6	776.8	725.9	685.3	658.3	629.4	591.8	555.0	520.8
42.5°	979.9	885.3	802.4	742.2	691.0	651.9	624.6	599.4	567.8	533.1	496.5
45°	939.4	839.9	752.9	688.3	636.7	598.3	572.8	550.4	526.5	494.6	462.7
47.5°	886.7	792.6	701.5	631.0	580.4	544.8	520.1	502.4	485.3	458.2	427.2
50°	844.5	753.7	664.8	596.4	542.5	508.6	485.5	471.4	455.8	431.2	405.3
52.5°	794.6	713.6	626.5	556.6	505.7	474.0	451.7	437.7	424.8	404.7	380.1
55°	716.1	645.0	565.2	501.8	455.1	423.2	401.9	388.6	381.0	363.9	344.5
57.5°	625.4	574.5	504.2	443.0	401.7	370.1	354.6	343.3	334.7	322.6	308.9
60°	562.2	526.5	463.4	405.3	367.3	337.3	323.3	313.8	305.8	295.5	284.9
62.5°	498.1	472.1	417.3	367.3	332.4	307.2	294.1	285.5	276.3	269.4	259.1
65°	412.2	389.0	351.0	311.9	279.6	259.5	250.0	242.4	236.7	229.1	221.8
67.5°	320.6	311.2	285.0	258.0	234.8	216.9	208.7	203.4	196.5	192.0	187.0
70°	264.4	259.8	241.2	223.4	201.7	189.6	182.0	179.7	171.3	166.8	163.3
72.5°	214.6	212.4	201.7	189.3	174.1	163.4	156.4	153.8	148.5	144.9	142.7
75°	147.0	147.8	145.9	137.9	132.2	125.4	119.3	117.8	114.0	110.9	109.0
77.5°	93.0	96.9	97.0	96.6	94.4	90.2	87.7	86.5	82.8	81.7	81.2
80°	63.8	68.0	71.8	71.4	70.7	69.5	67.6	66.5	64.6	63.4	62.7
82.5°	42.5	46.4	49.6	51.7	51.5	50.4	49.1	48.5	48.2	47.3	47.2
85°	20.1	20.9	22.0	24.7	26.6	27.0	26.6	26.2	25.1	25.5	25.8
87.5°	9.6	9.3	9.2	8.9	8.3	9.4	10.0	9.9	9.7	9.4	9.2
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: P333539

CATALOG NUMBER: S125RDIP-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: P333539

CATALOG NUMBER: S125RDIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	909.9	905.6	902.6	896.5	892.2	890.4	887.1	886.2	889.5	887.1	886.8
5°	882.8	871.8	863.1	854.3	844.8	838.8	829.6	828.1	825.8	822.4	821.7
7.5°	850.4	836.0	824.8	810.3	797.8	787.7	776.3	770.9	767.9	763.5	757.6
10°	828.5	811.4	796.2	781.8	766.2	753.7	742.3	733.5	727.8	722.5	720.2
12.5°	806.9	789.5	770.1	752.6	735.2	721.1	708.5	702.8	696.5	690.3	685.0
15°	773.4	750.2	729.0	708.8	694.0	678.8	666.7	658.3	648.8	646.2	635.9
17.5°	737.9	715.1	690.2	669.0	651.9	635.1	621.8	612.3	605.1	595.3	590.6
20°	715.7	688.7	664.4	645.0	626.0	606.3	592.6	584.6	577.8	569.8	566.0
22.5°	692.0	665.6	640.7	618.0	598.7	579.2	569.5	561.2	553.5	546.1	541.1
25°	657.2	630.6	604.4	580.8	560.7	546.6	535.2	525.7	521.6	514.3	509.0
27.5°	622.8	594.5	567.3	543.8	528.0	514.1	504.8	497.3	489.7	483.4	478.8
30°	600.6	571.7	542.1	523.5	506.7	493.5	483.2	476.0	470.3	464.6	461.2
32.5°	578.4	548.6	522.3	502.2	486.4	474.9	464.4	457.4	451.4	445.1	441.1
35°	542.8	512.4	491.2	471.4	455.8	445.2	438.0	428.1	423.2	418.6	414.4
37.5°	509.8	481.5	458.5	441.2	427.7	417.1	407.8	402.4	396.4	392.3	388.8
40°	485.5	459.6	438.8	420.5	410.6	398.9	390.1	383.3	378.7	373.4	369.6
42.5°	463.6	439.6	419.3	402.9	390.6	380.6	372.2	365.4	359.6	355.8	352.6
45°	432.7	408.7	389.0	373.8	362.4	352.9	344.2	340.7	333.1	328.6	327.1
47.5°	400.7	379.3	360.2	346.2	334.5	325.5	317.3	310.4	306.2	301.7	299.3
50°	379.1	358.6	340.7	327.1	315.7	305.8	298.2	293.6	287.9	283.8	280.7
52.5°	357.5	338.5	320.7	307.6	297.7	287.9	279.4	274.8	269.4	266.7	264.6
55°	326.7	306.6	291.4	278.4	268.2	259.1	251.1	246.5	243.1	240.5	239.7
57.5°	291.7	275.8	261.7	250.0	239.4	230.8	223.8	219.5	216.5	216.1	213.8
60°	268.9	254.5	241.6	229.1	219.9	212.0	205.9	201.0	197.9	197.5	196.8
62.5°	246.2	232.3	220.3	209.3	201.1	193.4	187.7	182.1	180.3	178.4	176.7
65°	212.3	199.8	189.9	181.2	172.5	166.0	160.3	156.9	152.7	150.4	146.3
67.5°	179.1	169.4	159.9	152.6	145.7	139.6	134.9	129.8	127.0	125.1	122.1
70°	157.3	149.7	140.2	132.2	126.9	121.9	118.1	112.4	110.5	109.0	107.5
72.5°	136.6	129.9	121.9	115.5	110.2	105.5	101.1	98.5	96.6	95.0	94.1
75°	107.5	101.0	94.2	89.6	85.9	82.1	79.8	77.9	77.1	76.7	75.2
77.5°	78.9	75.5	70.0	66.4	63.9	62.4	60.3	59.3	59.3	57.6	57.1
80°	60.4	58.5	53.9	52.4	50.5	49.0	47.9	46.0	44.1	43.3	42.2
82.5°	44.9	43.0	41.2	38.7	37.2	36.2	35.1	34.4	34.6	33.6	33.0
85°	23.9	22.0	21.3	20.9	20.1	20.9	20.5	20.1	19.8	19.4	19.8
87.5°	9.2	9.5	9.6	10.5	9.9	10.5	10.7	10.6	10.8	11.1	10.9
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: P333539

CATALOG NUMBER: S125RDIP-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: P333539

CATALOG NUMBER: S125RDIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	886.5	883.1	882.2	883.4	882.2	883.1	886.5	886.8	887.1	889.5	886.2
5°	817.9	814.1	816.0	815.2	816.0	814.1	817.9	821.7	822.4	825.8	828.1
7.5°	757.5	752.8	747.8	749.4	747.8	752.8	757.5	757.6	763.5	767.9	770.9
10°	715.3	711.5	709.2	711.1	709.2	711.5	715.3	720.2	722.5	727.8	733.5
12.5°	679.7	677.5	675.5	674.7	675.5	677.5	679.7	685.0	690.3	696.5	702.8
15°	631.3	626.8	624.9	620.0	624.9	626.8	631.3	635.9	646.2	648.8	658.3
17.5°	586.7	585.2	580.3	578.2	580.3	585.2	586.7	590.6	595.3	605.1	612.3
20°	560.3	558.8	553.9	556.9	553.9	558.8	560.3	566.0	569.8	577.8	584.6
22.5°	538.4	535.1	533.5	532.6	533.5	535.1	538.4	541.1	546.1	553.5	561.2
25°	507.5	502.6	500.7	498.4	500.7	502.6	507.5	509.0	514.3	521.6	525.7
27.5°	476.7	474.0	471.5	470.9	471.5	474.0	476.7	478.8	483.4	489.7	497.3
30°	456.6	453.9	452.0	452.0	452.0	453.9	456.6	461.2	464.6	470.3	476.0
32.5°	438.7	436.6	434.7	434.4	434.7	436.6	438.7	441.1	445.1	451.4	457.4
35°	412.5	409.5	408.7	406.5	408.7	409.5	412.5	414.4	418.6	423.2	428.1
37.5°	385.4	382.9	382.8	382.6	382.8	382.9	385.4	388.8	392.3	396.4	402.4
40°	368.1	366.2	365.8	363.2	365.8	366.2	368.1	369.6	373.4	378.7	383.3
42.5°	349.6	348.6	347.3	346.1	347.3	348.6	349.6	352.6	355.8	359.6	365.4
45°	324.4	321.8	321.8	319.9	321.8	321.8	324.4	327.1	328.6	333.1	340.7
47.5°	298.4	296.4	296.6	294.6	296.6	296.4	298.4	299.3	301.7	306.2	310.4
50°	281.1	280.0	279.6	278.8	279.6	280.0	281.1	280.7	283.8	287.9	293.6
52.5°	263.8	263.3	264.7	263.0	264.7	263.3	263.8	264.6	266.7	269.4	274.8
55°	240.5	239.3	241.6	239.3	241.6	239.3	240.5	239.7	240.5	243.1	246.5
57.5°	213.6	212.6	214.6	213.5	214.6	212.6	213.6	213.8	216.1	216.5	219.5
60°	196.0	193.7	194.9	195.3	194.9	193.7	196.0	196.8	197.5	197.9	201.0
62.5°	175.0	173.7	174.5	172.8	174.5	173.7	175.0	176.7	178.4	180.3	182.1
65°	145.5	144.4	142.8	142.1	142.8	144.4	145.5	146.3	150.4	152.7	156.9
67.5°	122.2	119.5	119.4	120.0	119.4	119.5	122.2	122.1	125.1	127.0	129.8
70°	105.2	105.2	104.8	104.8	104.8	105.2	105.2	107.5	109.0	110.5	112.4
72.5°	93.4	93.1	92.4	92.1	92.4	93.1	93.4	94.1	95.0	96.6	98.5
75°	75.2	75.6	74.8	74.5	74.8	75.6	75.2	75.2	76.7	77.1	77.9
77.5°	55.5	53.9	54.8	53.9	54.8	53.9	55.5	57.1	57.6	59.3	59.3
80°	42.2	41.8	42.9	41.8	42.9	41.8	42.2	42.2	43.3	44.1	46.0
82.5°	33.4	33.0	33.5	32.7	33.5	33.0	33.4	33.0	33.6	34.6	34.4
85°	20.1	19.8	19.4	19.8	19.4	19.8	20.1	19.8	19.4	19.8	20.1
87.5°	11.4	11.2	11.3	11.5	11.3	11.2	11.4	10.9	11.1	10.8	10.6
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: P333539

CATALOG NUMBER: S125RDIP-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: P333539

CATALOG NUMBER: S125RDIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	887.1	890.4	892.2	896.5	902.6	905.6	909.9	912.9	917.2	922.3	926.6
5°	829.6	838.8	844.8	854.3	863.1	871.8	882.8	890.8	901.4	913.6	923.1
7.5°	776.3	787.7	797.8	810.3	824.8	836.0	850.4	865.0	881.7	898.9	915.2
10°	742.3	753.7	766.2	781.8	796.2	811.4	828.5	845.6	866.5	885.9	907.9
12.5°	708.5	721.1	735.2	752.6	770.1	789.5	806.9	826.1	848.6	873.7	897.3
15°	666.7	678.8	694.0	708.8	729.0	750.2	773.4	798.9	823.9	852.1	881.3
17.5°	621.8	635.1	651.9	669.0	690.2	715.1	737.9	765.7	793.9	826.7	861.1
20°	592.6	606.3	626.0	645.0	664.4	688.7	715.7	744.2	774.2	808.7	847.1
22.5°	569.5	579.2	598.7	618.0	640.7	665.6	692.0	721.7	754.4	790.2	830.4
25°	535.2	546.6	560.7	580.8	604.4	630.6	657.2	688.7	724.4	760.9	803.8
27.5°	504.8	514.1	528.0	543.8	567.3	594.5	622.8	655.7	692.3	729.4	774.6
30°	483.2	493.5	506.7	523.5	542.1	571.7	600.6	632.9	670.1	708.5	754.8
32.5°	464.4	474.9	486.4	502.2	522.3	548.6	578.4	610.1	647.9	687.5	732.6
35°	438.0	445.2	455.8	471.4	491.2	512.4	542.8	576.3	613.1	654.1	699.3
37.5°	407.8	417.1	427.7	441.2	458.5	481.5	509.8	543.6	577.8	617.1	658.3
40°	390.1	398.9	410.6	420.5	438.8	459.6	485.5	520.8	555.0	591.8	629.4
42.5°	372.2	380.6	390.6	402.9	419.3	439.6	463.6	496.5	533.1	567.8	599.4
45°	344.2	352.9	362.4	373.8	389.0	408.7	432.7	462.7	494.6	526.5	550.4
47.5°	317.3	325.5	334.5	346.2	360.2	379.3	400.7	427.2	458.2	485.3	502.4
50°	298.2	305.8	315.7	327.1	340.7	358.6	379.1	405.3	431.2	455.8	471.4
52.5°	279.4	287.9	297.7	307.6	320.7	338.5	357.5	380.1	404.7	424.8	437.7
55°	251.1	259.1	268.2	278.4	291.4	306.6	326.7	344.5	363.9	381.0	388.6
57.5°	223.8	230.8	239.4	250.0	261.7	275.8	291.7	308.9	322.6	334.7	343.3
60°	205.9	212.0	219.9	229.1	241.6	254.5	268.9	284.9	295.5	305.8	313.8
62.5°	187.7	193.4	201.1	209.3	220.3	232.3	246.2	259.1	269.4	276.3	285.5
65°	160.3	166.0	172.5	181.2	189.9	199.8	212.3	221.8	229.1	236.7	242.4
67.5°	134.9	139.6	145.7	152.6	159.9	169.4	179.1	187.0	192.0	196.5	203.4
70°	118.1	121.9	126.9	132.2	140.2	149.7	157.3	163.3	166.8	171.3	179.7
72.5°	101.1	105.5	110.2	115.5	121.9	129.9	136.6	142.7	144.9	148.5	153.8
75°	79.8	82.1	85.9	89.6	94.2	101.0	107.5	109.0	110.9	114.0	117.8
77.5°	60.3	62.4	63.9	66.4	70.0	75.5	78.9	81.2	81.7	82.8	86.5
80°	47.9	49.0	50.5	52.4	53.9	58.5	60.4	62.7	63.4	64.6	66.5
82.5°	35.1	36.2	37.2	38.7	41.2	43.0	44.9	47.2	47.3	48.2	48.5
85°	20.5	20.9	20.1	20.9	21.3	22.0	23.9	25.8	25.5	25.1	26.2
87.5°	10.7	10.5	9.9	10.5	9.6	9.5	9.2	9.2	9.4	9.7	9.9
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: P333539

CATALOG NUMBER: S125RDIP-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: P333539

CATALOG NUMBER: S125RDIP-S610D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	929.9	932.7	936.6	941.2	944.8	948.8	950.9	950.9	952.7	956.7	961.8
5°	932.6	942.5	952.0	964.1	973.6	984.6	993.0	1001.0	1008.2	1017.3	1026.8
7.5°	931.8	948.2	965.3	984.5	1005.6	1022.4	1039.6	1053.2	1066.5	1084.0	1097.8
10°	928.8	950.1	973.2	997.5	1024.1	1047.3	1068.2	1087.2	1105.4	1124.4	1141.5
12.5°	923.3	950.4	978.7	1007.9	1041.5	1068.0	1094.9	1115.2	1136.4	1157.2	1178.3
15°	915.1	947.0	981.2	1021.9	1062.9	1092.5	1119.1	1145.3	1165.1	1188.6	1208.8
17.5°	898.2	939.3	982.3	1026.7	1066.1	1100.6	1128.4	1153.4	1174.4	1200.3	1227.7
20°	888.1	932.6	977.4	1024.9	1062.5	1097.8	1124.8	1150.6	1176.8	1210.7	1244.1
22.5°	874.2	921.6	969.2	1014.3	1054.0	1088.1	1116.0	1147.6	1182.0	1220.4	1260.8
25°	852.1	901.1	948.2	991.1	1029.8	1064.8	1102.8	1145.3	1187.1	1237.6	1295.7
27.5°	824.0	871.3	913.3	958.6	997.2	1041.6	1089.0	1135.1	1195.4	1264.9	1337.5
30°	803.0	847.9	887.8	930.7	974.4	1023.4	1076.6	1130.9	1202.7	1284.3	1370.6
32.5°	778.7	819.3	858.9	900.3	950.7	1004.5	1061.1	1127.5	1213.3	1306.2	1395.5
35°	736.6	773.0	811.4	857.4	910.9	969.4	1041.6	1122.5	1226.2	1326.1	1406.3
37.5°	692.4	721.1	759.7	808.1	866.5	934.2	1016.1	1114.4	1220.9	1310.6	1344.7
40°	658.3	685.3	725.9	776.8	834.6	908.7	1000.6	1101.6	1208.8	1271.0	1268.4
42.5°	624.6	651.9	691.0	742.2	802.4	885.3	979.9	1084.9	1175.3	1199.0	1149.6
45°	572.8	598.3	636.7	688.3	752.9	839.9	939.4	1040.1	1097.8	1059.5	961.5
47.5°	520.1	544.8	580.4	631.0	701.5	792.6	886.7	969.3	977.4	895.0	777.4
50°	485.5	508.6	542.5	596.4	664.8	753.7	844.5	909.4	889.3	788.6	667.4
52.5°	451.7	474.0	505.7	556.6	626.5	713.6	794.6	845.6	799.0	692.0	583.0
55°	401.9	423.2	455.1	501.8	565.2	645.0	716.1	734.7	666.3	558.4	470.3
57.5°	354.6	370.1	401.7	443.0	504.2	574.5	625.4	622.1	546.6	449.5	386.3
60°	323.3	337.3	367.3	405.3	463.4	526.5	562.2	547.0	470.7	390.5	329.7
62.5°	294.1	307.2	332.4	367.3	417.3	472.1	498.1	477.1	405.0	334.6	286.3
65°	250.0	259.5	279.6	311.9	351.0	389.0	412.2	381.4	317.6	264.4	227.9
67.5°	208.7	216.9	234.8	258.0	285.0	311.2	320.6	291.7	242.1	206.3	180.6
70°	182.0	189.6	201.7	223.4	241.2	259.8	264.4	238.6	197.2	169.8	153.8
72.5°	156.4	163.4	174.1	189.3	201.7	212.4	214.6	190.5	158.9	140.0	127.7
75°	119.3	125.4	132.2	137.9	145.9	147.8	147.0	128.4	111.3	98.8	91.9
77.5°	87.7	90.2	94.4	96.6	97.0	96.9	93.0	81.2	72.4	67.2	64.4
80°	67.6	69.5	70.7	71.4	71.8	68.0	63.8	56.6	53.6	50.5	47.1
82.5°	49.1	50.4	51.5	51.7	49.6	46.4	42.5	39.0	36.8	35.3	34.0
85°	26.6	27.0	26.6	24.7	22.0	20.9	20.1	19.4	19.0	18.6	18.6
87.5°	10.0	9.4	8.3	8.9	9.2	9.3	9.6	9.6	9.6	9.8	10.0
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°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	965.8	965.8	971.0	970.6	974.0	972.8	973.4
5°	1038.2	1044.6	1050.3	1054.1	1059.8	1061.4	1060.6
7.5°	1113.3	1127.6	1134.6	1144.2	1145.9	1150.9	1150.4
10°	1159.7	1173.8	1184.4	1192.8	1197.0	1202.3	1202.7
12.5°	1196.2	1208.1	1217.6	1225.3	1230.4	1232.1	1233.1
15°	1224.7	1238.0	1249.0	1260.0	1266.5	1271.4	1274.1
17.5°	1253.4	1273.9	1293.4	1308.4	1317.3	1324.9	1324.8
20°	1275.6	1299.2	1323.5	1340.6	1358.0	1365.6	1366.8
22.5°	1299.3	1335.3	1366.6	1393.1	1416.1	1424.0	1426.9
25°	1348.5	1395.6	1443.9	1481.1	1507.7	1523.3	1525.6
27.5°	1408.0	1471.8	1522.5	1556.9	1579.0	1590.5	1593.0
30°	1450.0	1508.8	1554.4	1580.3	1590.5	1592.0	1586.3
32.5°	1468.8	1512.8	1531.0	1529.5	1509.4	1496.0	1490.9
35°	1445.8	1436.7	1392.2	1339.0	1298.4	1272.6	1265.7
37.5°	1315.7	1237.1	1155.3	1075.0	1032.2	1010.5	973.1
40°	1187.5	1075.4	990.3	922.7	874.5	835.7	826.6
42.5°	1042.8	927.1	842.0	784.1	745.6	719.0	707.5
45°	838.0	738.5	668.2	623.7	594.1	574.7	566.0
47.5°	670.2	593.2	542.0	509.1	486.5	469.7	465.0
50°	578.2	516.6	473.3	445.6	428.5	415.6	410.3
52.5°	502.2	452.5	419.2	396.4	380.2	372.1	367.7
55°	414.4	371.5	347.6	329.3	320.2	313.8	310.7
57.5°	338.9	307.9	290.4	277.8	269.4	265.3	263.8
60°	296.7	272.4	256.4	246.5	240.8	235.5	234.0
62.5°	259.3	240.2	227.8	219.2	213.5	211.2	210.3
65°	208.9	196.4	187.3	182.0	177.4	176.6	176.3
67.5°	166.1	158.7	153.9	148.4	146.8	144.1	143.6
70°	142.1	137.1	131.4	129.5	127.6	125.0	125.4
72.5°	120.5	115.6	111.7	109.2	108.5	107.4	108.3
75°	88.1	86.6	85.1	83.2	82.4	82.4	82.1
77.5°	62.9	61.6	59.9	58.8	58.6	57.0	57.6
80°	45.6	43.7	42.9	43.3	42.2	41.8	41.8
82.5°	33.7	33.0	32.3	32.4	32.1	31.8	32.1
85°	18.6	18.2	18.2	17.9	17.9	17.5	17.5
87.5°	10.5	11.1	10.6	10.5	10.6	11.0	11.5
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)