

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: P333532

Luminaire Tested: **S125RDIP-S610D810U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333532  
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: S125RDIP-S610D810U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5639.3 lumens  
Efficiency: N/A  
Efficacy: 146.9 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

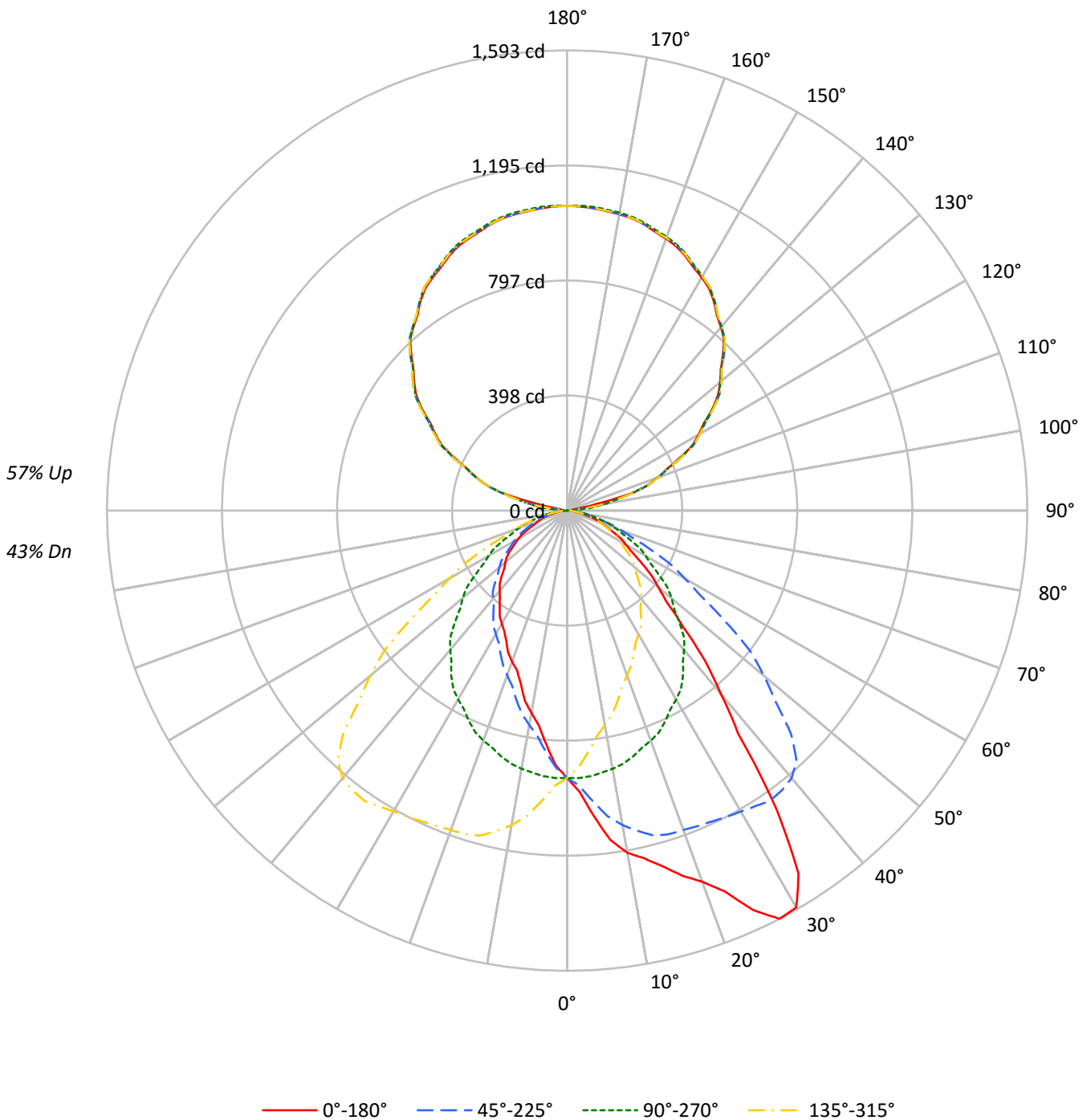
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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	96	96	96	96	79	79	79	64	64	64	49	49	49	43
1	96	92	89	85	88	85	81	79	70	68	66	56	55	54	44	43	42	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	39	38	36	31
3	81	71	64	59	73	66	60	55	55	50	46	44	41	39	35	33	31	27
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	31	29	27	23
5	68	57	49	43	62	52	45	40	44	38	34	36	32	29	28	26	24	20
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	26	23	21	18
7	58	46	38	33	53	42	35	31	36	30	27	29	25	23	24	21	19	16
8	54	42	34	29	49	38	32	27	32	27	24	27	23	20	22	19	17	14
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	46	35	28	23	43	32	26	22	27	22	19	23	19	16	19	16	14	12

**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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	1.6
10°-20°	260.1	4.6
20°-30°	412.3	7.3
30°-40°	497.2	8.8
40°-50°	444.0	7.9
50°-60°	340.5	6.0
60°-70°	221.3	3.9
70°-80°	107.6	1.9
80°-90°	27.9	0.5
90°-100°	38.3	0.7
100°-110°	236.3	4.2
110°-120°	428.5	7.6
120°-130°	550.0	9.8
130°-140°	591.5	10.5
140°-150°	555.2	9.8
150°-160°	449.1	8.0
160°-170°	290.5	5.2
170°-180°	100.2	1.8
0°-30°	761.1	13.5
0°-40°	1258.3	22.3
0°-60°	2042.9	36.2
0°-90°	2399.7	42.6
90°-120°	703.1	12.5
90°-150°	2399.9	42.6
90°-180°	3240.0	57.5
0°-180°	5639.3	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°	19	1	19	1	19	9
95°	16	45	16	45	16	14
105°	232	230	232	230	232	210
115°	429	432	429	432	429	425
125°	614	614	614	614	614	546
135°	762	766	762	766	762	588
145°	885	888	885	888	885	553
155°	970	978	970	978	970	447
165°	1026	1032	1026	1032	1026	290
175°	1050	1055	1050	1055	1050	100
180°	1055	1055	1055	1055	1055	



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	10.4	10.0	9.6	9.5	9.7	10.2	9.7	9.2	9.1	8.9	8.9
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3	13.4	12.5	11.3
92.5°	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3	13.4	12.5	11.4
95°	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3	13.4	12.5	19.1
97.5°	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7	33.6	38.5	51.5
100°	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3	110.2	136.1	135.4
102.5°	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8	168.7	173.6	173.2
105°	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1	295.0	295.0	294.6
110°	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2	335.8	336.3	335.9



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	9.0	8.8	8.8	8.6	8.0	9.2	9.9	9.9	9.6	9.2	8.9
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0	11.1	10.1	9.1
95°	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6	44.1	43.5	43.0
97.5°	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1	94.0	94.9	95.9
100°	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6	131.1	131.6	132.2
102.5°	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8	169.4	170.1	170.7
105°	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9	230.6	231.3	232.0
107.5°	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4
110°	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7





TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	8.9	9.1	9.1	9.9	9.2	9.8	10.0	9.8	10.0	10.2	10.0
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3	15.1	16.0	16.7
92.5°	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3	15.1	16.0	16.5
95°	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3	15.1	16.0	16.4
97.5°	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7	23.8	18.9	16.4
100°	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3	58.4	32.5	19.2
102.5°	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8	158.9	154.0	145.7
105°	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1	295.1	295.1	294.9
110°	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2	334.7	334.2	334.0



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	10.4	10.2	10.3	10.4	10.3	10.2	10.4	10.0	10.2	10.0	9.8
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3
92.5°	16.8	17.0	17.3	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3
95°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3
97.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7
100°	18.5	17.8	17.1	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3
102.5°	133.8	122.0	110.2	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8
105°	232.8	232.6	232.4	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0
107.5°	294.4	293.8	293.3	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1
110°	334.2	334.4	334.5	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	10.0	9.8	9.2	9.9	9.1	9.1	8.9	8.9	9.2	9.6	9.9
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	13.4	12.5	11.4	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0
95°	13.4	12.5	19.1	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6
97.5°	33.6	38.5	51.5	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1
100°	110.2	136.1	135.4	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6
102.5°	168.7	173.6	173.2	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8
105°	233.0	233.0	233.0	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9
107.5°	295.0	295.0	294.6	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4
110°	335.8	336.3	335.9	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	9.9	9.2	8.0	8.6	8.8	8.8	9.0	8.9	8.9	9.1	9.2
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3
92.5°	11.1	10.1	9.1	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3
95°	44.1	43.5	43.0	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3
97.5°	94.0	94.9	95.9	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7
100°	131.1	131.6	132.2	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3
102.5°	169.4	170.1	170.7	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8
105°	230.6	231.3	232.0	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.4	293.4	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1
110°	334.7	334.7	334.7	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2





TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**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°	9.7	10.2	9.7	9.5	9.6	10.0	10.4
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	15.1	16.0	16.5	16.8	17.0	17.3	17.5
95°	15.1	16.0	16.4	16.4	16.4	16.4	16.4
97.5°	23.8	18.9	16.4	16.4	16.4	16.4	16.4
100°	58.4	32.5	19.2	18.5	17.8	17.1	16.4
102.5°	158.9	154.0	145.7	133.8	122.0	110.2	98.4
105°	233.0	233.0	233.0	232.8	232.6	232.4	232.3
107.5°	295.1	295.1	294.9	294.4	293.8	293.3	292.8
110°	334.7	334.2	334.0	334.2	334.4	334.5	334.7



TEST NUMBER: P333532

CATALOG NUMBER: S125RDIP-S610D810U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)