

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: P333669

Luminaire Tested: **S125RDIW-S610D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333669
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: S125RDIW-S610D1050U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6033.6 lumens
Efficiency: N/A
Efficacy: 133.5 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: Semi-Indirect

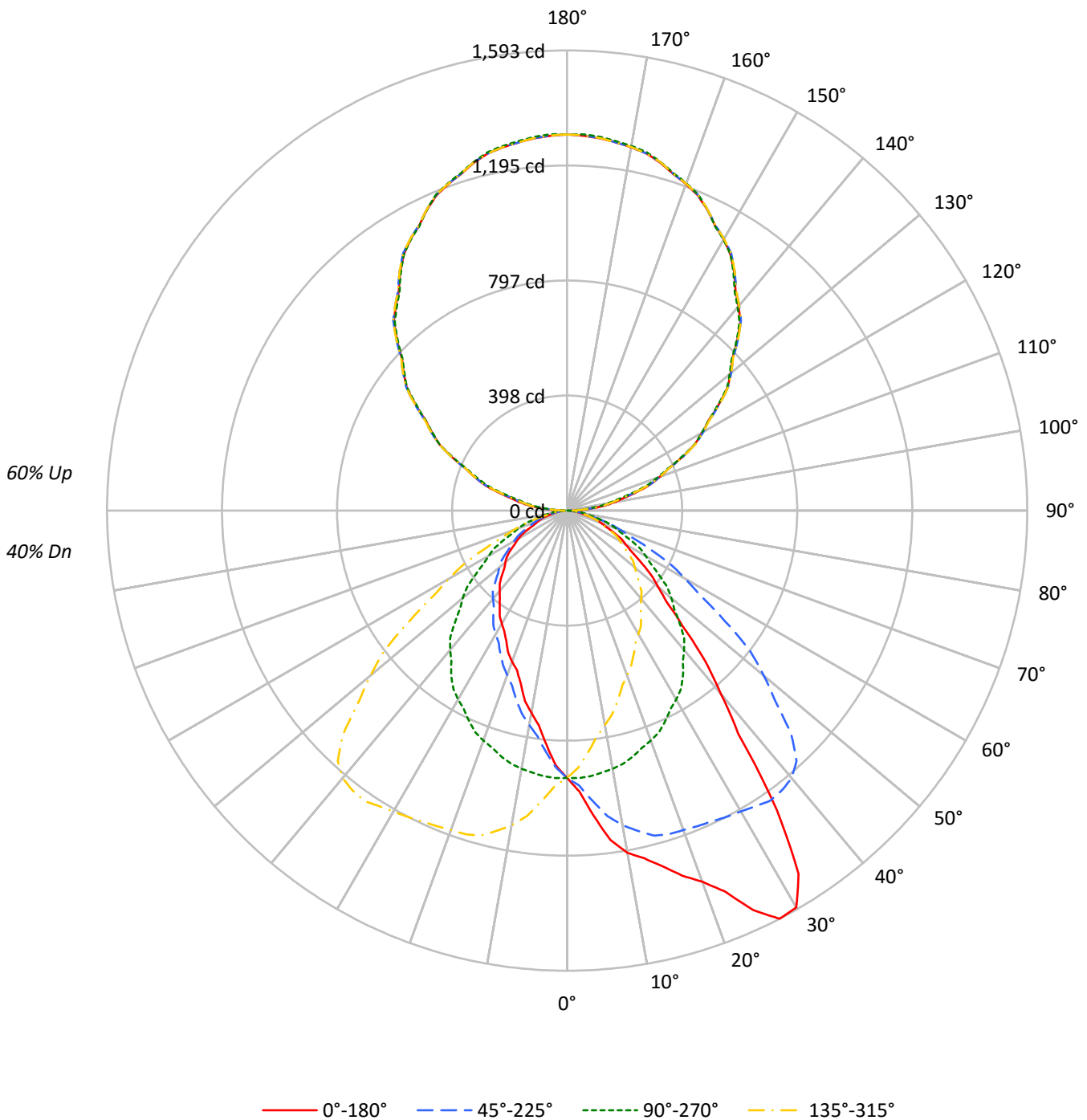
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333669

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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	66	64	55	53	52	42	41	40	34
2	87	80	75	70	79	73	68	64	60	57	54	48	46	44	37	36	34	29
3	80	71	64	58	73	65	59	54	53	49	45	43	40	37	33	31	29	25
4	73	63	55	49	66	58	51	46	48	43	39	38	35	32	30	27	26	22
5	67	56	48	42	61	51	45	39	43	38	34	35	31	28	27	24	22	19
6	62	50	42	37	56	46	39	34	38	33	29	31	27	25	24	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	28	25	22	22	20	18	15
8	53	41	34	28	48	38	31	27	32	27	23	26	22	19	21	18	16	13
9	49	37	30	25	45	35	28	24	29	24	20	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



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.5
10°-20°	260.1	4.3
20°-30°	412.3	6.8
30°-40°	497.2	8.2
40°-50°	444.0	7.4
50°-60°	340.5	5.6
60°-70°	221.3	3.7
70°-80°	107.6	1.8
80°-90°	28.5	0.5
90°-100°	87.2	1.4
100°-110°	257.5	4.3
110°-120°	436.2	7.2
120°-130°	574.0	9.5
130°-140°	643.2	10.7
140°-150°	630.4	10.4
150°-160°	529.5	8.8
160°-170°	352.0	5.8
170°-180°	123.2	2.0
0°-30°	761.1	12.6
0°-40°	1258.3	20.9
0°-60°	2042.9	33.9
0°-90°	2400.3	39.8
90°-120°	780.9	12.9
90°-150°	2628.6	43.6
90°-180°	3633.0	60.2
0°-180°	6033.6	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°	87	66	87	66	87	89
105°	251	231	251	231	251	266
115°	441	437	441	437	441	436
125°	641	637	641	637	641	573
135°	832	829	832	829	832	642
145°	1008	1004	1008	1004	1008	629
155°	1149	1149	1149	1149	1149	529
165°	1246	1249	1246	1249	1246	351
175°	1294	1299	1294	1299	1294	123
180°	1302	1302	1302	1302	1302	



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

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	11.1	10.7	10.5	10.7	11.1	10.6	10.1	9.8	9.6	9.6
90°	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5	17.3	16.2	14.6
92.5°	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9	40.4	38.9	37.0
95°	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2	79.6	78.0	75.8
97.5°	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2	125.7	124.2	121.1
100°	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1	157.1	155.0	152.1
102.5°	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9	189.7	187.5	186.0
105°	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9	243.5	242.2	240.8
107.5°	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1	301.4	300.7	299.7
110°	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8	341.1	340.5	339.8



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6	381.3	381.0	380.1
115°	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3	442.6	442.8	442.3
117.5°	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1	503.0	502.8	502.4
120°	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1	544.1	544.1	543.9
122.5°	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3	584.5	584.7	584.1
125°	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5	644.0	644.4	644.2
127.5°	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3	702.6	702.8	702.5
130°	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3	741.5	741.7	741.3
132.5°	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5	778.8	779.0	779.1
135°	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9	835.9	835.9	835.7
137.5°	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8	891.5	891.3	890.8
140°	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0	926.6	926.1	925.4
142.5°	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5	961.2	961.0	960.1
145°	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2	1011.2	1011.2	1010.6
147.5°	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3	1056.8	1056.2	1055.7
150°	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2	1086.2	1086.2	1085.3
152.5°	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2	1112.7	1112.2	1111.8
155°	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9	1151.0	1150.1	1149.8
157.5°	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3	1184.4	1183.5	1183.3
160°	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6	1204.7	1203.8	1203.5
162.5°	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6	1223.5	1222.4	1222.4
165°	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1	1249.2	1248.3	1248.1
167.5°	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1	1267.7	1266.4	1266.4
170°	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4	1279.1	1277.7	1277.7
172.5°	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5	1287.2	1285.8	1285.8
175°	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6	1296.3	1294.9	1294.9
177.5°	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8	1300.7	1299.6	1299.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

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	9.3	8.9	8.3	9.4	10.0	9.9	9.7	9.4	9.2
90°	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5	25.8	27.0	28.3
95°	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9	66.3	66.8	67.2
97.5°	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4	109.6	109.8	110.0
100°	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
102.5°	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7	177.6	178.5	179.4
105°	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0	232.1	233.3	234.4
107.5°	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0	292.1	293.3	294.4
110°	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3	333.5	334.6	335.7



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5	375.1	375.7	376.3
115°	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7	437.6	438.5	439.4
117.5°	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1	499.5	499.9	500.3
120°	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0	539.2	540.3	541.4
122.5°	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2	580.6	581.0	581.4
125°	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3	638.7	640.0	641.4
127.5°	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1	698.9	699.7	700.4
130°	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6	735.7	736.9	738.0
132.5°	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1	772.9	774.8	776.6
135°	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8	830.2	831.5	832.9
137.5°	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2	884.5	885.8	887.1
140°	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0	919.1	920.3	921.4
142.5°	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9	953.8	954.8	955.7
145°	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1	1005.0	1005.9	1006.8
147.5°	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6	1052.1	1052.6	1053.0
150°	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2	1083.0	1082.7	1082.5
152.5°	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1	1109.4	1109.7	1110.1
155°	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7	1184.2	1183.7	1183.2
160°	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8	1205.1	1204.4	1203.8
162.5°	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4	1223.9	1223.4	1222.9
165°	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4	1248.9	1248.4	1248.0
167.5°	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4	1269.5	1268.6	1267.7
170°	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8	1280.9	1280.0	1279.1
172.5°	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9	1289.0	1288.1	1287.2
175°	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0	1298.1	1297.2	1296.3
177.5°	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7	1302.9	1302.2	1301.5
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-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	9.6	9.6	10.5	9.9	10.5	10.8	10.7	10.9	11.1	11.0
90°	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5	19.6	20.7	21.6
92.5°	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9	43.4	44.9	45.8
95°	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2	82.7	84.3	85.3
97.5°	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2	128.7	130.2	131.0
100°	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1	161.1	163.1	164.4
102.5°	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9	194.1	196.3	197.7
105°	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9	246.2	247.6	248.6
107.5°	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1	302.8	303.4	303.8
110°	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8	342.5	343.2	343.4



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6	381.9	382.2	382.2
115°	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3	442.1	441.9	441.7
117.5°	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1	503.3	503.5	503.1
120°	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1	544.1	544.1	543.7
122.5°	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3	584.1	583.9	583.5
125°	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5	643.1	642.6	642.3
127.5°	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3	702.1	701.9	701.6
130°	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3	741.0	740.8	740.5
132.5°	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5	778.3	778.1	777.7
135°	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9	835.9	835.9	835.5
137.5°	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8	892.1	892.3	891.9
140°	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0	927.5	927.9	927.6
142.5°	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5	961.8	962.1	961.6
145°	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2	1011.2	1011.2	1010.9
147.5°	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3	1057.8	1058.4	1057.9
150°	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2	1086.2	1086.2	1086.0
152.5°	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2	1113.8	1114.3	1114.2
155°	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9	1152.8	1153.7	1153.5
157.5°	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3	1186.2	1187.1	1186.8
160°	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6	1206.5	1207.4	1207.2
162.5°	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6	1225.6	1226.7	1226.6
165°	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1	1251.0	1251.9	1251.7
167.5°	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1	1270.4	1271.8	1271.8
170°	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4	1281.8	1283.1	1283.0
172.5°	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5	1289.9	1291.2	1291.2
175°	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6	1299.0	1300.4	1300.2
177.5°	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8	1302.9	1303.9	1303.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-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	11.3	11.4	11.5	11.4	11.3	11.4	11.0	11.1	10.9	10.7
90°	22.3	23.0	23.6	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5
92.5°	46.3	46.8	47.3	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9
95°	85.8	86.2	86.7	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2
97.5°	131.3	131.6	131.9	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2
100°	164.8	165.3	165.7	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1
102.5°	198.3	199.0	199.6	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9
105°	249.3	249.9	250.6	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9
107.5°	303.7	303.7	303.6	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1
110°	343.2	342.9	342.7	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	381.8	381.4	381.0	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6
115°	441.4	441.2	441.0	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3
117.5°	502.2	501.3	500.4	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1
120°	542.8	541.9	541.0	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1
122.5°	582.8	582.0	581.3	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3
125°	642.1	641.8	641.6	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5
127.5°	701.1	700.7	700.2	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3
130°	740.0	739.6	739.1	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3
132.5°	777.0	776.4	775.8	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5
135°	834.6	833.7	832.8	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9
137.5°	890.8	889.7	888.5	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8
140°	926.5	925.3	924.2	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0
142.5°	960.5	959.4	958.3	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5
145°	1010.2	1009.5	1008.9	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2
147.5°	1056.4	1054.8	1053.3	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3
150°	1085.5	1085.1	1084.6	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2
152.5°	1113.4	1112.6	1111.7	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2
155°	1152.4	1151.3	1150.2	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9
157.5°	1185.3	1183.8	1182.3	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3
160°	1206.1	1205.0	1203.9	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6
162.5°	1225.3	1224.0	1222.7	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6
165°	1250.4	1249.0	1247.7	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1
167.5°	1270.4	1269.0	1267.6	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1
170°	1281.4	1279.9	1278.3	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4
172.5°	1289.8	1288.4	1287.0	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5
175°	1298.7	1297.1	1295.5	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6
177.5°	1302.6	1301.3	1300.1	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-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°	10.8	10.5	9.9	10.5	9.6	9.6	9.2	9.2	9.4	9.7	9.9
90°	17.3	16.2	14.6	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	40.4	38.9	37.0	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5
95°	79.6	78.0	75.8	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9
97.5°	125.7	124.2	121.1	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4
100°	157.1	155.0	152.1	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9
102.5°	189.7	187.5	186.0	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7
105°	243.5	242.2	240.8	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0
107.5°	301.4	300.7	299.7	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0
110°	341.1	340.5	339.8	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	381.3	381.0	380.1	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5
115°	442.6	442.8	442.3	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7
117.5°	503.0	502.8	502.4	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1
120°	544.1	544.1	543.9	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0
122.5°	584.5	584.7	584.1	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2
125°	644.0	644.4	644.2	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3
127.5°	702.6	702.8	702.5	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1
130°	741.5	741.7	741.3	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6
132.5°	778.8	779.0	779.1	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1
135°	835.9	835.9	835.7	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8
137.5°	891.5	891.3	890.8	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2
140°	926.6	926.1	925.4	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0
142.5°	961.2	961.0	960.1	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9
145°	1011.2	1011.2	1010.6	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1
147.5°	1056.8	1056.2	1055.7	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6
150°	1086.2	1086.2	1085.3	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2
152.5°	1112.7	1112.2	1111.8	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1
155°	1151.0	1150.1	1149.8	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1184.4	1183.5	1183.3	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7
160°	1204.7	1203.8	1203.5	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8
162.5°	1223.5	1222.4	1222.4	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4
165°	1249.2	1248.3	1248.1	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4
167.5°	1267.7	1266.4	1266.4	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4
170°	1279.1	1277.7	1277.7	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8
172.5°	1287.2	1285.8	1285.8	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9
175°	1296.3	1294.9	1294.9	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0
177.5°	1300.7	1299.6	1299.8	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-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	9.3	9.3	9.6	9.6	9.6	9.8	10.1
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5
92.5°	25.8	27.0	28.3	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9
95°	66.3	66.8	67.2	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2
97.5°	109.6	109.8	110.0	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2
100°	141.9	141.9	141.9	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1
102.5°	177.6	178.5	179.4	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9
105°	232.1	233.3	234.4	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9
107.5°	292.1	293.3	294.4	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1
110°	333.5	334.6	335.7	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	375.1	375.7	376.3	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6
115°	437.6	438.5	439.4	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3
117.5°	499.5	499.9	500.3	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1
120°	539.2	540.3	541.4	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1
122.5°	580.6	581.0	581.4	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3
125°	638.7	640.0	641.4	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5
127.5°	698.9	699.7	700.4	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3
130°	735.7	736.9	738.0	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3
132.5°	772.9	774.8	776.6	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5
135°	830.2	831.5	832.9	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9
137.5°	884.5	885.8	887.1	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8
140°	919.1	920.3	921.4	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0
142.5°	953.8	954.8	955.7	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5
145°	1005.0	1005.9	1006.8	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2
147.5°	1052.1	1052.6	1053.0	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3
150°	1083.0	1082.7	1082.5	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2
152.5°	1109.4	1109.7	1110.1	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2
155°	1149.0	1149.0	1149.0	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9
157.5°	1184.2	1183.7	1183.2	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3
160°	1205.1	1204.4	1203.8	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6
162.5°	1223.9	1223.4	1222.9	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6
165°	1248.9	1248.4	1248.0	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1
167.5°	1269.5	1268.6	1267.7	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1
170°	1280.9	1280.0	1279.1	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4
172.5°	1289.0	1288.1	1287.2	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5
175°	1298.1	1297.2	1296.3	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6
177.5°	1302.9	1302.2	1301.5	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

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°	10.6	11.1	10.7	10.5	10.7	11.1	11.5
90°	19.6	20.7	21.6	22.3	23.0	23.6	24.3
92.5°	43.4	44.9	45.8	46.3	46.8	47.3	47.8
95°	82.7	84.3	85.3	85.8	86.2	86.7	87.1
97.5°	128.7	130.2	131.0	131.3	131.6	131.9	132.1
100°	161.1	163.1	164.4	164.8	165.3	165.7	166.2
102.5°	194.1	196.3	197.7	198.3	199.0	199.6	200.2
105°	246.2	247.6	248.6	249.3	249.9	250.6	251.3
107.5°	302.8	303.4	303.8	303.7	303.7	303.6	303.6
110°	342.5	343.2	343.4	343.2	342.9	342.7	342.5



TEST NUMBER: P333669

CATALOG NUMBER: S125RDIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	381.9	382.2	382.2	381.8	381.4	381.0	380.6
115°	442.1	441.9	441.7	441.4	441.2	441.0	440.8
117.5°	503.3	503.5	503.1	502.2	501.3	500.4	499.5
120°	544.1	544.1	543.7	542.8	541.9	541.0	540.1
122.5°	584.1	583.9	583.5	582.8	582.0	581.3	580.6
125°	643.1	642.6	642.3	642.1	641.8	641.6	641.4
127.5°	702.1	701.9	701.6	701.1	700.7	700.2	699.8
130°	741.0	740.8	740.5	740.0	739.6	739.1	738.7
132.5°	778.3	778.1	777.7	777.0	776.4	775.8	775.1
135°	835.9	835.9	835.5	834.6	833.7	832.8	831.9
137.5°	892.1	892.3	891.9	890.8	889.7	888.5	887.4
140°	927.5	927.9	927.6	926.5	925.3	924.2	923.1
142.5°	961.8	962.1	961.6	960.5	959.4	958.3	957.1
145°	1011.2	1011.2	1010.9	1010.2	1009.5	1008.9	1008.2
147.5°	1057.8	1058.4	1057.9	1056.4	1054.8	1053.3	1051.8
150°	1086.2	1086.2	1086.0	1085.5	1085.1	1084.6	1084.2
152.5°	1113.8	1114.3	1114.2	1113.4	1112.6	1111.7	1110.9
155°	1152.8	1153.7	1153.5	1152.4	1151.3	1150.2	1149.0
157.5°	1186.2	1187.1	1186.8	1185.3	1183.8	1182.3	1180.9
160°	1206.5	1207.4	1207.2	1206.1	1205.0	1203.9	1202.7
162.5°	1225.6	1226.7	1226.6	1225.3	1224.0	1222.7	1221.4
165°	1251.0	1251.9	1251.7	1250.4	1249.0	1247.7	1246.3
167.5°	1270.4	1271.8	1271.8	1270.4	1269.0	1267.6	1266.2
170°	1281.8	1283.1	1283.0	1281.4	1279.9	1278.3	1276.7
172.5°	1289.9	1291.2	1291.2	1289.8	1288.4	1287.0	1285.6
175°	1299.0	1300.4	1300.2	1298.7	1297.1	1295.5	1293.9
177.5°	1302.9	1303.9	1303.8	1302.6	1301.3	1300.1	1298.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

(END OF REPORT)