

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: P333383

Luminaire Tested: **S125DIW-S610D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333383
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: S125DIW-S610D1050U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6161.6 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

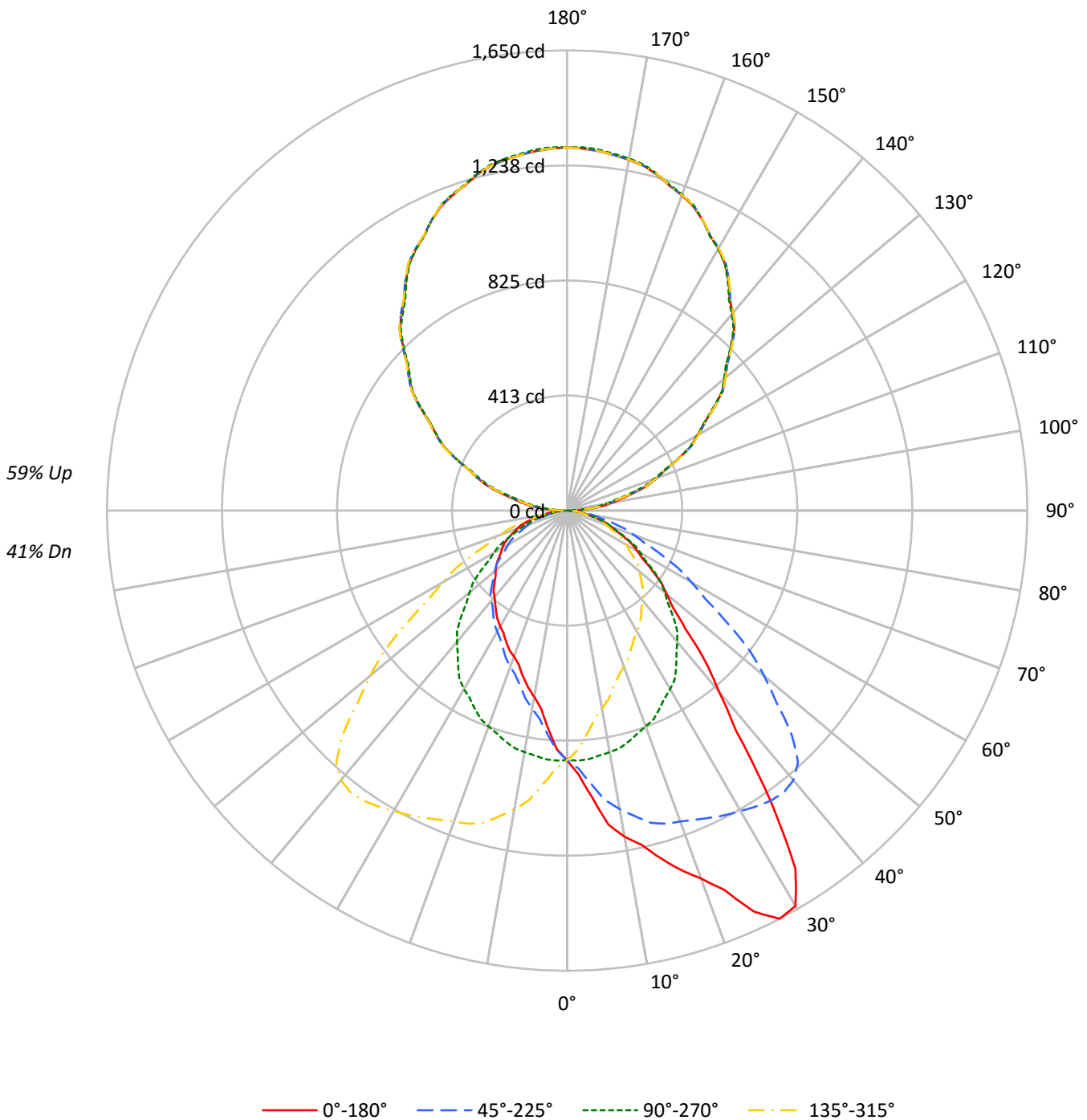
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.4
10°-20°	256.5	4.2
20°-30°	416.6	6.8
30°-40°	508.1	8.2
40°-50°	462.2	7.5
50°-60°	368.2	6.0
60°-70°	256.4	4.2
70°-80°	136.8	2.2
80°-90°	37.4	0.6
90°-100°	87.2	1.4
100°-110°	257.5	4.2
110°-120°	436.2	7.1
120°-130°	574.0	9.3
130°-140°	643.2	10.4
140°-150°	630.4	10.2
150°-160°	529.5	8.6
160°-170°	352.0	5.7
170°-180°	123.2	2.0
0°-30°	759.2	12.3
0°-40°	1267.4	20.6
0°-60°	2097.8	34.0
0°-90°	2528.3	41.0
90°-120°	780.9	12.7
90°-150°	2628.6	42.7
90°-180°	3633.0	59.0
0°-180°	6161.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	30
90°	24	1	24	1	24	15
95°	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	12.2	12.6	12.8	12.7	12.8	12.7	13.6	13.4	14.1	14.8	15.7
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



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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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	16.0	15.1	13.5	12.3	10.4	9.1	8.5	8.4	7.9	7.9	8.6
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: P333383

CATALOG NUMBER: S125DIW-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: P333383

CATALOG NUMBER: S125DIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	9.2	10.2	10.2	10.8	11.1	12.1	12.0	13.4	14.3	15.1	15.0
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: P333383

CATALOG NUMBER: S125DIW-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: P333383

CATALOG NUMBER: S125DIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	15.7	15.5	15.7	16.4	15.7	15.5	15.7	15.0	15.1	14.3	13.4
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: P333383

CATALOG NUMBER: S125DIW-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: P333383

CATALOG NUMBER: S125DIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	12.0	12.1	11.1	10.8	10.2	10.2	9.2	8.6	7.9	7.9	8.4
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: P333383

CATALOG NUMBER: S125DIW-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: P333383

CATALOG NUMBER: S125DIW-S610D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.5	9.1	10.4	12.3	13.5	15.1	16.0	15.7	14.8	14.1	13.4
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



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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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	13.6	12.7	12.8	12.7	12.8	12.6	12.2
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



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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)