

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: P333389-927

Luminaire Tested: **S125DIW-S610D1340U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333389-927
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-S610D1340U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5688.2 lumens
Efficiency: N/A
Efficacy: 105.7 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: Semi-Indirect

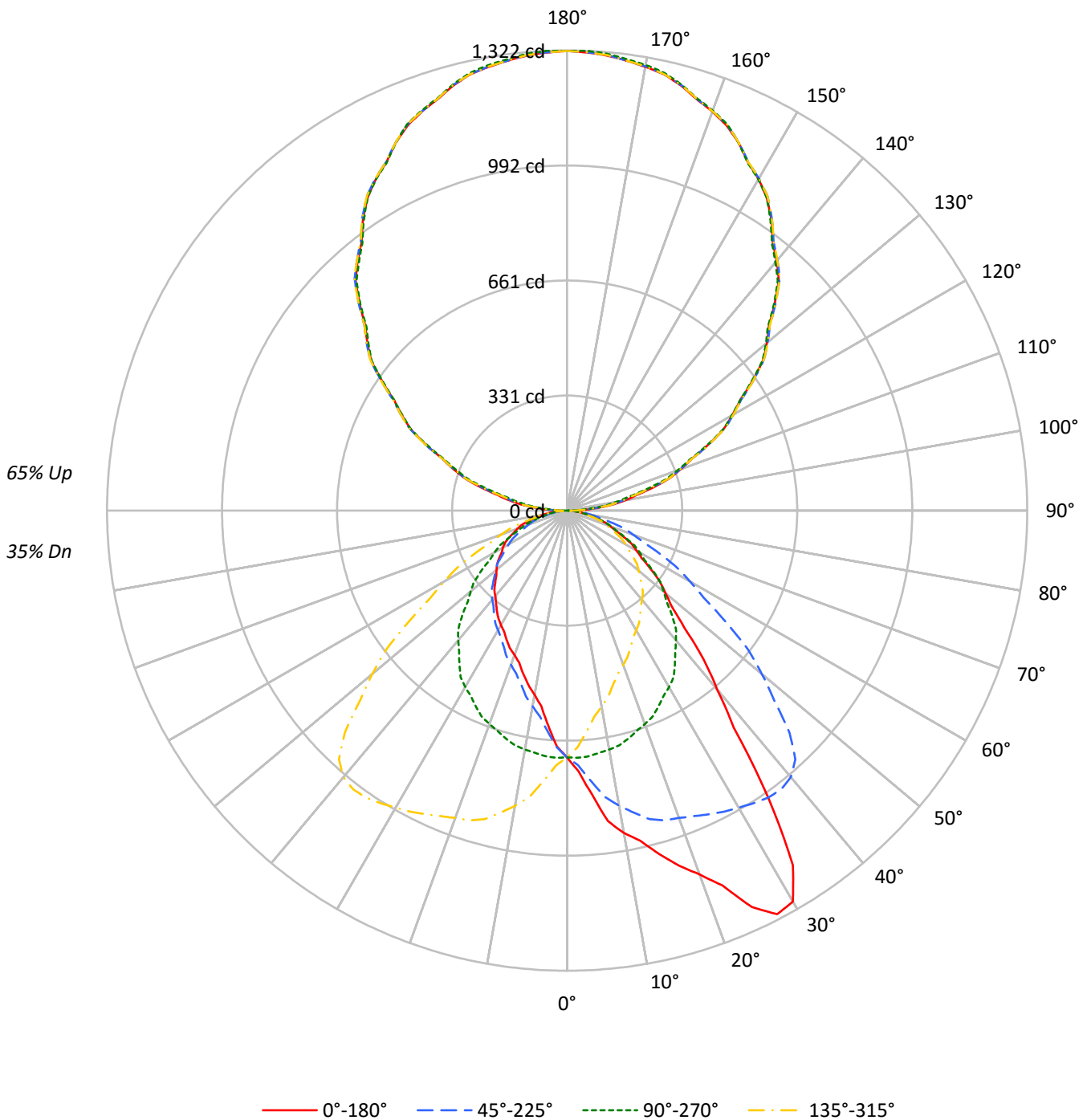
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	58	54	51	45	43	41	33	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	45	41	37	36	32	30	27	24	23	19
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	31	28	29	25	22	22	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	23	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4579	4579	4579	4579
5°	5302	4595	4023	4595
10°	6169	4571	3525	4571
15°	6829	4537	3251	4537
20°	7644	4484	3032	4484
25°	8955	4424	2925	4424
30°	9672	4365	2832	4365
35°	7953	4254	2771	4254
40°	5653	4100	2705	4100
45°	4343	3892	2666	3892
50°	3706	3634	2661	3634
55°	3300	3381	2684	3381
60°	2977	3105	2753	3105
65°	2751	2829	2823	2829
70°	2500	2540	2865	2540
75°	2208	2238	2840	2238
80°	1860	1822	2596	1822
85°	1475	1312	2097	1312



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.2
10°-20°	203.2	3.6
20°-30°	330.0	5.8
30°-40°	402.5	7.1
40°-50°	366.2	6.4
50°-60°	291.7	5.1
60°-70°	203.2	3.6
70°-80°	108.3	1.9
80°-90°	30.2	0.5
90°-100°	88.4	1.6
100°-110°	261.2	4.6
110°-120°	442.4	7.8
120°-130°	582.2	10.2
130°-140°	652.3	11.5
140°-150°	639.3	11.2
150°-160°	537.0	9.4
160°-170°	357.0	6.3
170°-180°	124.9	2.2
0°-30°	601.5	10.6
0°-40°	1004.0	17.7
0°-60°	1661.8	29.2
0°-90°	2003.5	35.2
90°-120°	792.0	13.9
90°-150°	2665.8	46.9
90°-180°	3685.0	64.8
0°-180°	5688.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	818	709	620	709	818	82
15°	1021	679	486	679	1021	292
25°	1257	621	410	621	1257	574
35°	1009	540	352	540	1009	617
45°	476	426	292	426	476	381
55°	293	300	238	300	293	264
65°	180	185	185	185	180	179
75°	88	90	114	90	88	95
85°	20	18	28	18	20	24
90°	25	1	25	1	25	15
95°	88	67	88	67	88	90
105°	255	234	255	234	255	270
115°	447	443	447	443	447	442
125°	650	646	650	646	650	581
135°	844	841	844	841	844	651
145°	1022	1018	1022	1018	1022	638
155°	1165	1165	1165	1165	1165	536
165°	1264	1267	1264	1267	1264	356
175°	1312	1317	1312	1317	1312	125
180°	1320	1320	1320	1320	1320	



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	750.0	748.9	748.0	746.1	747.5	743.4	741.5	738.2	734.0	732.6	730.9
5°	817.9	819.4	820.9	814.6	815.2	811.0	801.4	793.5	787.3	779.1	773.4
7.5°	899.8	896.2	896.0	891.8	884.8	879.2	869.0	856.1	843.7	829.5	817.8
10°	940.7	941.0	938.3	933.5	926.0	920.5	907.3	894.7	879.3	861.3	848.3
12.5°	971.5	972.8	969.4	962.9	959.2	947.1	936.7	921.6	903.4	889.0	869.3
15°	1021.4	1018.0	1015.7	1007.5	1001.2	988.6	972.0	956.3	936.5	918.1	899.8
17.5°	1069.4	1072.1	1067.5	1060.1	1040.5	1025.7	1003.5	982.1	957.4	932.8	910.9
20°	1112.2	1114.7	1107.7	1094.8	1071.3	1056.5	1027.4	999.7	971.1	939.5	915.4
22.5°	1165.7	1163.8	1154.4	1134.7	1114.4	1087.1	1055.6	1021.8	986.0	950.3	918.3
25°	1256.7	1244.0	1238.3	1213.9	1187.2	1147.2	1103.8	1054.5	1010.0	962.7	921.8
27.5°	1307.1	1303.1	1296.8	1279.8	1251.6	1208.9	1157.8	1097.6	1034.7	975.2	921.5
30°	1297.0	1297.6	1298.2	1292.8	1274.8	1242.5	1191.7	1127.0	1052.3	985.2	923.3
32.5°	1207.4	1218.4	1228.9	1241.3	1246.3	1240.2	1208.3	1149.9	1073.1	996.8	922.3
35°	1008.7	1012.0	1046.1	1079.7	1125.5	1161.0	1184.8	1158.9	1094.2	1006.6	921.1
37.5°	786.5	802.8	826.3	864.4	930.4	989.5	1065.6	1100.5	1079.6	1009.8	919.0
40°	670.5	685.6	700.8	739.7	795.4	867.0	953.3	1027.1	1044.3	999.7	911.8
42.5°	580.9	592.9	609.9	639.1	685.6	749.0	831.6	927.9	987.1	970.3	896.7
45°	475.5	483.0	496.2	519.4	553.1	602.8	675.6	780.9	872.7	903.1	860.6
47.5°	406.9	406.9	417.2	433.2	457.6	499.7	553.6	636.1	734.1	806.7	803.3
50°	368.9	367.4	375.6	389.4	408.7	436.7	488.1	554.1	648.2	730.4	753.2
52.5°	336.2	336.4	341.4	351.6	367.7	391.7	430.1	489.5	570.0	654.3	697.4
55°	293.1	291.9	297.6	304.5	316.3	331.9	359.7	405.0	470.3	553.4	609.3
57.5°	253.7	256.9	259.2	264.0	273.8	284.2	307.6	341.0	392.8	464.1	523.2
60°	230.5	233.9	235.6	240.4	248.3	257.3	275.4	302.5	346.1	407.5	466.1
62.5°	209.8	212.4	213.0	217.3	223.7	232.5	246.7	269.4	304.0	357.6	415.1
65°	180.0	180.0	181.2	185.7	188.7	196.5	207.3	223.9	251.6	293.4	342.5
67.5°	151.1	152.7	152.3	154.3	157.1	163.2	171.0	184.6	205.1	235.6	274.9
70°	132.4	133.6	133.3	134.8	137.8	141.7	148.1	161.0	175.7	201.9	235.6
72.5°	115.6	116.1	115.3	117.2	119.1	122.5	129.5	136.4	150.2	172.3	200.0
75°	88.5	89.0	89.7	90.9	92.7	94.5	98.1	105.0	114.1	130.6	148.4
77.5°	66.3	65.2	66.6	66.5	67.5	68.8	72.0	75.7	83.1	93.6	107.3
80°	50.0	50.2	50.2	50.5	52.0	53.0	55.7	58.4	64.1	71.9	81.5
82.5°	36.4	37.2	36.8	37.3	38.6	39.2	40.7	42.9	46.3	52.4	59.4
85°	19.9	18.4	18.9	19.6	19.6	19.9	21.1	21.9	23.8	26.1	28.9
87.5°	10.7	11.1	11.2	11.0	11.1	10.9	11.6	11.5	12.0	12.4	13.1
90°	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7	17.6	16.5	14.8
92.5°	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5	41.0	39.5	37.5
95°	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3	80.7	79.1	76.8
97.5°	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0	127.5	126.0	122.9
100°	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4	159.3	157.2	154.2
102.5°	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6	192.3	190.1	188.6
105°	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3	247.0	245.6	244.2
107.5°	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3	305.7	305.0	304.0
110°	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7	345.9	345.2	344.6



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0	386.7	386.3	385.5
115°	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6	448.9	449.1	448.6
117.5°	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2	510.1	509.9	509.5
120°	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8	551.8	551.8	551.6
122.5°	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6	592.7	592.9	592.3
125°	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6	653.1	653.6	653.3
127.5°	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3	712.5	712.7	712.5
130°	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7	751.9	752.2	751.7
132.5°	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6	789.8	790.0	790.1
135°	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8	847.8	847.8	847.6
137.5°	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4	904.1	903.9	903.4
140°	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2	939.7	939.2	938.5
142.5°	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1	974.9	974.5	973.7
145°	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6	1025.6	1025.6	1024.8
147.5°	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2	1071.7	1071.2	1070.6
150°	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6	1101.6	1101.6	1100.7
152.5°	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9	1128.5	1127.9	1127.5
155°	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2	1167.2	1166.3	1166.1
157.5°	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1	1201.1	1200.2	1200.0
160°	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6	1221.7	1220.8	1220.5
162.5°	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9	1240.8	1239.7	1239.6
165°	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8	1266.9	1266.0	1265.7
167.5°	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1	1285.6	1284.3	1284.3
170°	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5	1297.2	1295.8	1295.8
172.5°	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8	1305.4	1304.0	1304.0
175°	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0	1314.6	1313.3	1313.3
177.5°	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2	1319.1	1318.0	1318.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	729.4	727.8	725.9	722.5	718.4	716.2	712.9	710.7	706.3	702.7	698.9
5°	766.4	758.7	751.5	742.1	731.9	725.2	717.4	708.7	699.7	690.3	680.1
7.5°	804.8	791.0	775.9	759.7	743.9	729.4	715.4	701.8	689.0	673.6	660.5
10°	830.6	813.1	794.5	772.5	751.1	732.5	713.5	697.0	680.1	662.0	646.1
12.5°	856.3	833.1	806.8	782.6	756.9	734.4	712.1	690.9	669.8	649.7	631.2
15°	874.5	854.1	829.7	795.4	766.4	735.5	706.0	678.6	653.0	630.7	607.3
17.5°	886.5	860.2	833.9	801.1	763.2	728.5	695.1	663.8	634.9	606.7	584.1
20°	888.7	861.6	834.2	802.0	763.2	723.4	690.1	652.4	621.4	592.2	564.5
22.5°	888.0	857.2	827.4	794.2	756.5	719.9	679.5	641.1	607.4	578.8	549.9
25°	881.1	848.3	811.0	777.6	740.3	701.5	660.5	620.8	586.5	553.7	525.1
27.5°	875.4	832.9	790.7	751.7	715.7	680.1	641.0	600.2	562.2	528.9	502.0
30°	868.5	821.8	774.3	733.6	696.6	662.0	625.0	585.3	545.6	513.1	484.2
32.5°	862.2	807.9	757.7	713.4	674.3	640.6	606.5	568.7	529.7	496.7	467.9
35°	850.2	787.3	729.8	679.8	637.9	603.4	574.8	539.6	503.7	471.8	444.2
37.5°	834.8	760.2	698.5	646.1	600.2	563.8	537.2	510.2	475.8	445.0	420.0
40°	822.8	740.9	675.6	622.0	574.5	536.5	511.9	486.3	457.7	429.1	402.7
42.5°	807.6	723.6	652.4	594.8	547.8	510.8	484.9	463.2	438.0	411.3	386.7
45°	779.7	692.1	615.1	553.1	505.6	469.1	442.4	426.1	407.2	381.9	361.2
47.5°	738.7	654.4	574.7	510.7	461.7	427.9	402.8	387.2	373.9	355.1	336.3
50°	702.3	626.2	545.6	482.1	433.0	399.0	375.9	361.7	350.3	335.8	319.9
52.5°	661.7	590.8	517.0	454.2	405.6	372.1	349.4	336.9	327.4	317.0	301.3
55°	597.1	536.9	468.3	408.7	363.8	331.1	311.2	300.3	292.5	284.7	275.0
57.5°	525.9	478.8	418.0	363.5	322.3	292.4	273.9	263.3	257.2	253.2	247.6
60°	475.8	435.5	383.1	333.4	293.1	266.6	248.6	240.4	235.4	232.0	227.8
62.5°	429.3	396.2	347.7	302.4	267.1	242.1	225.9	218.1	213.2	211.6	208.0
65°	360.8	335.3	295.2	257.6	227.5	206.1	192.6	185.1	182.0	180.2	180.5
67.5°	293.3	277.7	245.7	213.6	189.5	171.6	160.7	155.0	153.4	151.1	151.0
70°	252.2	240.4	213.3	185.4	164.0	150.2	140.5	134.5	133.0	131.8	131.5
72.5°	215.8	205.6	182.0	159.6	140.5	128.3	120.3	116.7	114.2	113.5	113.4
75°	162.2	156.5	137.8	120.1	106.9	98.4	93.0	89.7	87.9	87.5	87.9
77.5°	115.3	110.4	98.5	85.9	77.6	71.1	66.5	65.4	63.4	63.5	63.1
80°	86.7	83.3	75.8	65.9	59.0	53.6	51.2	49.0	48.5	47.5	48.5
82.5°	62.8	59.3	54.2	47.8	42.1	38.9	36.4	35.8	35.4	35.0	35.2
85°	31.0	31.3	28.3	23.4	21.1	19.3	17.7	17.7	17.4	17.2	17.4
87.5°	13.2	12.4	11.2	10.1	8.6	7.4	6.8	6.7	6.3	6.5	7.1
90°	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0	2.9	4.7	6.5
92.5°	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9	26.1	27.4	28.7
95°	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8	67.3	67.7	68.1
97.5°	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0	111.1	111.4	111.5
100°	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
102.5°	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2	180.1	181.0	182.0
105°	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3	235.4	236.5	237.7
107.5°	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1	296.3	297.4	298.6
110°	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1	338.2	339.4	340.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8	380.4	381.0	381.6
115°	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9	443.8	444.7	445.6
117.5°	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2	506.6	507.0	507.4
120°	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7	546.8	548.0	549.1
122.5°	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4	588.8	589.2	589.6
125°	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3	647.7	649.1	650.5
127.5°	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0	708.8	709.6	710.3
130°	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0	746.2	747.3	748.5
132.5°	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0	783.9	785.8	787.6
135°	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6	841.9	843.3	844.7
137.5°	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6	897.0	898.3	899.6
140°	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0	932.2	933.3	934.5
142.5°	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4	967.3	968.3	969.2
145°	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4	1019.2	1020.2	1021.0
147.5°	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4	1066.9	1067.5	1067.9
150°	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5	1098.3	1098.0	1097.8
152.5°	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8	1125.1	1125.5	1125.8
155°	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4	1200.9	1200.5	1199.9
160°	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8	1222.2	1221.5	1220.8
162.5°	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7	1241.3	1240.7	1240.2
165°	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0	1266.5	1266.1	1265.7
167.5°	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4	1287.5	1286.6	1285.6
170°	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9	1299.0	1298.1	1297.2
172.5°	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1	1307.2	1306.3	1305.4
175°	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4	1316.4	1315.6	1314.6
177.5°	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1	1321.4	1320.6	1319.9
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	696.7	694.0	691.9	687.1	684.4	680.8	677.9	681.0	677.7	679.1	677.0
5°	675.0	666.5	660.5	651.8	644.3	637.4	632.2	631.4	628.9	627.7	624.2
7.5°	648.9	638.3	628.0	616.6	606.9	597.1	590.8	585.7	582.3	577.7	574.6
10°	633.4	619.3	607.3	593.4	581.4	570.8	562.4	558.3	554.3	548.6	546.5
12.5°	614.4	599.8	585.1	570.3	558.8	547.0	539.8	533.5	530.8	524.3	523.6
15°	591.6	569.7	555.2	540.2	524.2	514.6	508.6	501.7	498.7	494.2	490.8
17.5°	564.4	544.8	526.7	511.2	497.5	489.4	481.9	477.1	472.0	469.1	463.6
20°	544.7	526.0	507.9	491.4	480.9	471.6	465.6	461.1	455.6	454.1	448.7
22.5°	528.1	507.5	490.1	476.3	464.8	454.2	447.7	444.7	440.9	436.3	435.2
25°	501.1	479.7	464.9	451.1	440.8	431.3	426.7	422.8	419.2	415.9	414.7
27.5°	477.7	458.6	441.1	428.6	419.7	410.9	406.9	402.2	399.5	396.9	393.6
30°	461.4	441.8	426.4	414.4	404.7	397.0	392.7	389.4	387.0	384.6	382.8
32.5°	444.5	426.4	411.5	399.7	390.1	384.2	380.4	378.1	375.4	372.6	370.3
35°	422.2	402.3	387.9	377.6	370.1	365.6	361.4	359.3	356.3	356.3	353.9
37.5°	397.1	379.9	367.2	357.8	351.1	347.1	342.5	341.1	339.1	337.9	337.1
40°	382.1	366.2	354.2	344.8	337.6	334.3	330.7	328.3	327.1	325.6	325.0
42.5°	366.8	351.6	340.0	331.4	325.1	322.3	318.9	317.3	314.8	312.8	312.5
45°	343.3	328.6	318.1	311.2	305.8	302.5	300.3	296.8	295.5	293.1	292.8
47.5°	321.2	307.0	296.7	291.0	286.2	283.5	280.2	276.6	275.2	274.0	273.9
50°	304.5	291.6	281.9	276.6	272.0	268.2	264.8	262.4	261.5	261.5	262.1
52.5°	287.7	276.7	268.5	261.9	257.6	253.4	250.4	248.9	247.6	249.0	250.1
55°	263.0	251.9	245.9	239.6	235.4	230.5	229.0	228.4	227.5	229.9	231.1
57.5°	236.9	229.1	222.0	215.8	212.0	209.2	207.2	206.8	208.5	209.6	213.6
60°	220.3	211.3	204.9	200.1	195.6	193.8	193.2	192.6	193.8	197.1	202.2
62.5°	202.0	194.6	187.8	184.3	180.9	177.9	177.8	178.2	180.5	184.3	189.5
65°	175.2	168.8	164.3	160.1	157.4	155.6	156.2	157.4	160.1	165.2	171.0
67.5°	147.9	143.5	139.5	136.1	133.5	133.5	134.1	135.9	139.1	145.0	150.2
70°	130.3	125.5	122.2	120.6	118.6	117.4	119.1	122.2	124.8	130.3	134.8
72.5°	112.7	108.6	106.1	105.0	104.1	103.1	103.8	107.0	110.7	116.1	121.4
75°	86.7	85.2	83.3	82.1	81.3	81.8	82.5	85.5	88.5	94.2	100.2
77.5°	63.3	61.7	60.6	60.3	59.8	60.1	61.8	64.0	67.0	71.1	75.7
80°	47.8	47.2	46.7	46.3	46.3	46.7	49.0	50.5	53.2	57.2	60.8
82.5°	34.9	34.5	34.4	34.3	34.5	34.6	36.0	38.0	40.2	43.3	46.3
85°	18.4	17.7	18.7	18.9	18.4	19.3	19.9	21.1	21.9	23.4	25.0
87.5°	7.7	8.5	8.6	9.1	9.5	10.3	10.2	11.5	12.1	12.8	12.8
90°	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7	19.9	21.0	21.9
92.5°	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5	44.0	45.5	46.5
95°	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3	83.9	85.6	86.5
97.5°	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0	130.5	132.0	132.9
100°	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4	163.3	165.4	166.7
102.5°	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6	196.8	199.1	200.5
105°	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3	249.7	251.0	252.1
107.5°	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3	307.0	307.8	308.1
110°	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7	347.3	348.0	348.2



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0	387.3	387.6	387.6
115°	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6	448.4	448.1	447.9
117.5°	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2	510.4	510.6	510.2
120°	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8	551.8	551.8	551.4
122.5°	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6	592.4	592.2	591.8
125°	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6	652.2	651.7	651.4
127.5°	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3	712.0	711.9	711.5
130°	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7	751.5	751.3	750.9
132.5°	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6	789.3	789.1	788.7
135°	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8	847.8	847.8	847.3
137.5°	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4	904.7	905.0	904.5
140°	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2	940.6	941.0	940.7
142.5°	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1	975.4	975.7	975.3
145°	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6	1025.6	1025.6	1025.2
147.5°	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2	1072.8	1073.3	1072.9
150°	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6	1101.6	1101.6	1101.4
152.5°	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9	1129.5	1130.0	1130.0
155°	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2	1169.0	1170.0	1169.8
157.5°	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1	1202.9	1203.9	1203.6
160°	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6	1223.5	1224.4	1224.3
162.5°	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9	1242.9	1244.0	1244.0
165°	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8	1268.8	1269.6	1269.4
167.5°	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1	1288.4	1289.8	1289.8
170°	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5	1299.9	1301.2	1301.2
172.5°	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8	1308.1	1309.5	1309.5
175°	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0	1317.4	1318.7	1318.6
177.5°	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2	1321.3	1322.4	1322.3
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	675.5	677.2	675.8	677.7	675.8	677.2	675.5	677.0	679.1	677.7	681.0
5°	622.7	619.9	621.7	620.5	621.7	619.9	622.7	624.2	627.7	628.9	631.4
7.5°	573.8	571.2	568.2	566.8	568.2	571.2	573.8	574.6	577.7	582.3	585.7
10°	543.2	539.9	539.6	537.5	539.6	539.9	543.2	546.5	548.6	554.3	558.3
12.5°	520.8	517.7	514.3	513.4	514.3	517.7	520.8	523.6	524.3	530.8	533.5
15°	489.0	486.6	484.5	486.3	484.5	486.6	489.0	490.8	494.2	498.7	501.7
17.5°	462.6	460.6	460.3	458.0	460.3	460.6	462.6	463.6	469.1	472.0	477.1
20°	446.0	444.5	445.0	441.2	445.0	444.5	446.0	448.7	454.1	455.6	461.1
22.5°	432.8	429.8	429.4	428.6	429.4	429.8	432.8	435.2	436.3	440.9	444.7
25°	412.0	410.5	409.0	410.5	409.0	410.5	412.0	414.7	415.9	419.2	422.8
27.5°	393.9	392.1	391.7	391.8	391.7	392.1	393.9	393.6	396.9	399.5	402.2
30°	382.8	379.8	380.1	379.8	380.1	379.8	382.8	382.8	384.6	387.0	389.4
32.5°	370.7	368.7	368.3	367.7	368.3	368.7	370.7	370.3	372.6	375.4	378.1
35°	353.0	353.0	351.5	351.5	351.5	353.0	353.0	353.9	356.3	356.3	359.3
37.5°	336.3	336.0	335.1	335.3	335.1	336.0	336.3	337.1	337.9	339.1	341.1
40°	323.8	323.5	322.6	320.8	322.6	323.5	323.8	325.0	325.6	327.1	328.3
42.5°	311.8	310.8	310.3	309.7	310.3	310.8	311.8	312.5	312.8	314.8	317.3
45°	292.8	292.8	292.2	291.9	292.2	292.8	292.8	292.8	293.1	295.5	296.8
47.5°	274.4	275.0	276.1	275.9	276.1	275.0	274.4	273.9	274.0	275.2	276.6
50°	263.3	263.6	264.5	264.8	264.5	263.6	263.3	262.1	261.5	261.5	262.4
52.5°	251.0	252.8	253.9	253.7	253.9	252.8	251.0	250.1	249.0	247.6	248.9
55°	233.9	235.9	238.1	238.4	238.1	235.9	233.9	231.1	229.9	227.5	228.4
57.5°	216.8	219.8	222.0	222.7	222.0	219.8	216.8	213.6	209.6	208.5	206.8
60°	205.3	209.1	211.8	213.1	211.8	209.1	205.3	202.2	197.1	193.8	192.6
62.5°	194.2	198.5	201.3	201.5	201.3	198.5	194.2	189.5	184.3	180.5	178.2
65°	176.0	180.5	183.0	184.7	183.0	180.5	176.0	171.0	165.2	160.1	157.4
67.5°	156.5	161.1	163.7	165.2	163.7	161.1	156.5	150.2	145.0	139.1	135.9
70°	142.4	146.9	150.4	151.7	150.4	146.9	142.4	134.8	130.3	124.8	122.2
72.5°	128.4	132.4	135.3	136.7	135.3	132.4	128.4	121.4	116.1	110.7	107.0
75°	104.1	109.6	112.3	113.8	112.3	109.6	104.1	100.2	94.2	88.5	85.5
77.5°	80.3	85.2	86.8	87.6	86.8	85.2	80.3	75.7	71.1	67.0	64.0
80°	64.4	67.4	69.6	69.8	69.6	67.4	64.4	60.8	57.2	53.2	50.5
82.5°	49.5	52.0	52.7	53.5	52.7	52.0	49.5	46.3	43.3	40.2	38.0
85°	27.1	28.3	28.6	28.3	28.6	28.3	27.1	25.0	23.4	21.9	21.1
87.5°	13.5	13.3	13.5	14.1	13.5	13.3	13.5	12.8	12.8	12.1	11.5
90°	22.6	23.3	24.0	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7
92.5°	47.0	47.5	48.0	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5
95°	87.0	87.5	87.9	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3
97.5°	133.2	133.5	133.7	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0
100°	167.2	167.6	168.1	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4
102.5°	201.1	201.8	202.4	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6
105°	252.8	253.5	254.1	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3
107.5°	308.0	307.9	307.9	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3
110°	348.0	347.8	347.5	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	387.2	386.8	386.3	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0
115°	447.7	447.4	447.3	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6
117.5°	509.4	508.4	507.6	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2
120°	550.4	549.5	548.6	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8
122.5°	591.0	590.3	589.5	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6
125°	651.2	650.9	650.7	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6
127.5°	711.1	710.6	710.1	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3
130°	750.5	750.0	749.6	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7
132.5°	788.1	787.3	786.7	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6
135°	846.4	845.5	844.5	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8
137.5°	903.4	902.2	901.1	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4
140°	939.5	938.4	937.3	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2
142.5°	974.1	973.0	971.8	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1
145°	1024.5	1023.8	1023.1	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6
147.5°	1071.3	1069.8	1068.2	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2
150°	1100.9	1100.4	1099.9	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6
152.5°	1129.1	1128.3	1127.4	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9
155°	1168.7	1167.6	1166.4	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2
157.5°	1202.1	1200.6	1199.0	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1
160°	1223.2	1222.0	1220.9	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6
162.5°	1242.6	1241.3	1240.0	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9
165°	1268.0	1266.7	1265.3	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8
167.5°	1288.3	1286.9	1285.5	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1
170°	1299.6	1298.0	1296.3	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5
172.5°	1308.1	1306.6	1305.2	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8
175°	1317.0	1315.4	1313.8	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0
177.5°	1321.0	1319.7	1318.4	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	677.9	680.8	684.4	687.1	691.9	694.0	696.7	698.9	702.7	706.3	710.7
5°	632.2	637.4	644.3	651.8	660.5	666.5	675.0	680.1	690.3	699.7	708.7
7.5°	590.8	597.1	606.9	616.6	628.0	638.3	648.9	660.5	673.6	689.0	701.8
10°	562.4	570.8	581.4	593.4	607.3	619.3	633.4	646.1	662.0	680.1	697.0
12.5°	539.8	547.0	558.8	570.3	585.1	599.8	614.4	631.2	649.7	669.8	690.9
15°	508.6	514.6	524.2	540.2	555.2	569.7	591.6	607.3	630.7	653.0	678.6
17.5°	481.9	489.4	497.5	511.2	526.7	544.8	564.4	584.1	606.7	634.9	663.8
20°	465.6	471.6	480.9	491.4	507.9	526.0	544.7	564.5	592.2	621.4	652.4
22.5°	447.7	454.2	464.8	476.3	490.1	507.5	528.1	549.9	578.8	607.4	641.1
25°	426.7	431.3	440.8	451.1	464.9	479.7	501.1	525.1	553.7	586.5	620.8
27.5°	406.9	410.9	419.7	428.6	441.1	458.6	477.7	502.0	528.9	562.2	600.2
30°	392.7	397.0	404.7	414.4	426.4	441.8	461.4	484.2	513.1	545.6	585.3
32.5°	380.4	384.2	390.1	399.7	411.5	426.4	444.5	467.9	496.7	529.7	568.7
35°	361.4	365.6	370.1	377.6	387.9	402.3	422.2	444.2	471.8	503.7	539.6
37.5°	342.5	347.1	351.1	357.8	367.2	379.9	397.1	420.0	445.0	475.8	510.2
40°	330.7	334.3	337.6	344.8	354.2	366.2	382.1	402.7	429.1	457.7	486.3
42.5°	318.9	322.3	325.1	331.4	340.0	351.6	366.8	386.7	411.3	438.0	463.2
45°	300.3	302.5	305.8	311.2	318.1	328.6	343.3	361.2	381.9	407.2	426.1
47.5°	280.2	283.5	286.2	291.0	296.7	307.0	321.2	336.3	355.1	373.9	387.2
50°	264.8	268.2	272.0	276.6	281.9	291.6	304.5	319.9	335.8	350.3	361.7
52.5°	250.4	253.4	257.6	261.9	268.5	276.7	287.7	301.3	317.0	327.4	336.9
55°	229.0	230.5	235.4	239.6	245.9	251.9	263.0	275.0	284.7	292.5	300.3
57.5°	207.2	209.2	212.0	215.8	222.0	229.1	236.9	247.6	253.2	257.2	263.3
60°	193.2	193.8	195.6	200.1	204.9	211.3	220.3	227.8	232.0	235.4	240.4
62.5°	177.8	177.9	180.9	184.3	187.8	194.6	202.0	208.0	211.6	213.2	218.1
65°	156.2	155.6	157.4	160.1	164.3	168.8	175.2	180.5	180.2	182.0	185.1
67.5°	134.1	133.5	133.5	136.1	139.5	143.5	147.9	151.0	151.1	153.4	155.0
70°	119.1	117.4	118.6	120.6	122.2	125.5	130.3	131.5	131.8	133.0	134.5
72.5°	103.8	103.1	104.1	105.0	106.1	108.6	112.7	113.4	113.5	114.2	116.7
75°	82.5	81.8	81.3	82.1	83.3	85.2	86.7	87.9	87.5	87.9	89.7
77.5°	61.8	60.1	59.8	60.3	60.6	61.7	63.3	63.1	63.5	63.4	65.4
80°	49.0	46.7	46.3	46.3	46.7	47.2	47.8	48.5	47.5	48.5	49.0
82.5°	36.0	34.6	34.5	34.3	34.4	34.5	34.9	35.2	35.0	35.4	35.8
85°	19.9	19.3	18.4	18.9	18.7	17.7	18.4	17.4	17.2	17.4	17.7
87.5°	10.2	10.3	9.5	9.1	8.6	8.5	7.7	7.1	6.5	6.3	6.7
90°	17.6	16.5	14.8	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0
92.5°	41.0	39.5	37.5	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9
95°	80.7	79.1	76.8	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8
97.5°	127.5	126.0	122.9	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0
100°	159.3	157.2	154.2	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9
102.5°	192.3	190.1	188.6	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2
105°	247.0	245.6	244.2	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3
107.5°	305.7	305.0	304.0	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1
110°	345.9	345.2	344.6	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	386.7	386.3	385.5	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8
115°	448.9	449.1	448.6	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9
117.5°	510.1	509.9	509.5	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2
120°	551.8	551.8	551.6	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7
122.5°	592.7	592.9	592.3	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4
125°	653.1	653.6	653.3	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3
127.5°	712.5	712.7	712.5	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0
130°	751.9	752.2	751.7	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0
132.5°	789.8	790.0	790.1	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0
135°	847.8	847.8	847.6	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6
137.5°	904.1	903.9	903.4	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6
140°	939.7	939.2	938.5	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0
142.5°	974.9	974.5	973.7	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4
145°	1025.6	1025.6	1024.8	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4
147.5°	1071.7	1071.2	1070.6	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4
150°	1101.6	1101.6	1100.7	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5
152.5°	1128.5	1127.9	1127.5	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8
155°	1167.2	1166.3	1166.1	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1201.1	1200.2	1200.0	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4
160°	1221.7	1220.8	1220.5	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8
162.5°	1240.8	1239.7	1239.6	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7
165°	1266.9	1266.0	1265.7	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0
167.5°	1285.6	1284.3	1284.3	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4
170°	1297.2	1295.8	1295.8	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9
172.5°	1305.4	1304.0	1304.0	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1
175°	1314.6	1313.3	1313.3	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4
177.5°	1319.1	1318.0	1318.2	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	712.9	716.2	718.4	722.5	725.9	727.8	729.4	730.9	732.6	734.0	738.2
5°	717.4	725.2	731.9	742.1	751.5	758.7	766.4	773.4	779.1	787.3	793.5
7.5°	715.4	729.4	743.9	759.7	775.9	791.0	804.8	817.8	829.5	843.7	856.1
10°	713.5	732.5	751.1	772.5	794.5	813.1	830.6	848.3	861.3	879.3	894.7
12.5°	712.1	734.4	756.9	782.6	806.8	833.1	856.3	869.3	889.0	903.4	921.6
15°	706.0	735.5	766.4	795.4	829.7	854.1	874.5	899.8	918.1	936.5	956.3
17.5°	695.1	728.5	763.2	801.1	833.9	860.2	886.5	910.9	932.8	957.4	982.1
20°	690.1	723.4	763.2	802.0	834.2	861.6	888.7	915.4	939.5	971.1	999.7
22.5°	679.5	719.9	756.5	794.2	827.4	857.2	888.0	918.3	950.3	986.0	1021.8
25°	660.5	701.5	740.3	777.6	811.0	848.3	881.1	921.8	962.7	1010.0	1054.5
27.5°	641.0	680.1	715.7	751.7	790.7	832.9	875.4	921.5	975.2	1034.7	1097.6
30°	625.0	662.0	696.6	733.6	774.3	821.8	868.5	923.3	985.2	1052.3	1127.0
32.5°	606.5	640.6	674.3	713.4	757.7	807.9	862.2	922.3	996.8	1073.1	1149.9
35°	574.8	603.4	637.9	679.8	729.8	787.3	850.2	921.1	1006.6	1094.2	1158.9
37.5°	537.2	563.8	600.2	646.1	698.5	760.2	834.8	919.0	1009.8	1079.6	1100.5
40°	511.9	536.5	574.5	622.0	675.6	740.9	822.8	911.8	999.7	1044.3	1027.1
42.5°	484.9	510.8	547.8	594.8	652.4	723.6	807.6	896.7	970.3	987.1	927.9
45°	442.4	469.1	505.6	553.1	615.1	692.1	779.7	860.6	903.1	872.7	780.9
47.5°	402.8	427.9	461.7	510.7	574.7	654.4	738.7	803.3	806.7	734.1	636.1
50°	375.9	399.0	433.0	482.1	545.6	626.2	702.3	753.2	730.4	648.2	554.1
52.5°	349.4	372.1	405.6	454.2	517.0	590.8	661.7	697.4	654.3	570.0	489.5
55°	311.2	331.1	363.8	408.7	468.3	536.9	597.1	609.3	553.4	470.3	405.0
57.5°	273.9	292.4	322.3	363.5	418.0	478.8	525.9	523.2	464.1	392.8	341.0
60°	248.6	266.6	293.1	333.4	383.1	435.5	475.8	466.1	407.5	346.1	302.5
62.5°	225.9	242.1	267.1	302.4	347.7	396.2	429.3	415.1	357.6	304.0	269.4
65°	192.6	206.1	227.5	257.6	295.2	335.3	360.8	342.5	293.4	251.6	223.9
67.5°	160.7	171.6	189.5	213.6	245.7	277.7	293.3	274.9	235.6	205.1	184.6
70°	140.5	150.2	164.0	185.4	213.3	240.4	252.2	235.6	201.9	175.7	161.0
72.5°	120.3	128.3	140.5	159.6	182.0	205.6	215.8	200.0	172.3	150.2	136.4
75°	93.0	98.4	106.9	120.1	137.8	156.5	162.2	148.4	130.6	114.1	105.0
77.5°	66.5	71.1	77.6	85.9	98.5	110.4	115.3	107.3	93.6	83.1	75.7
80°	51.2	53.6	59.0	65.9	75.8	83.3	86.7	81.5	71.9	64.1	58.4
82.5°	36.4	38.9	42.1	47.8	54.2	59.3	62.8	59.4	52.4	46.3	42.9
85°	17.7	19.3	21.1	23.4	28.3	31.3	31.0	28.9	26.1	23.8	21.9
87.5°	6.8	7.4	8.6	10.1	11.2	12.4	13.2	13.1	12.4	12.0	11.5
90°	2.9	4.7	6.5	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7
92.5°	26.1	27.4	28.7	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5
95°	67.3	67.7	68.1	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3
97.5°	111.1	111.4	111.5	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0
100°	143.9	143.9	143.9	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4
102.5°	180.1	181.0	182.0	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6
105°	235.4	236.5	237.7	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3
107.5°	296.3	297.4	298.6	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3
110°	338.2	339.4	340.5	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	380.4	381.0	381.6	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0
115°	443.8	444.7	445.6	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6
117.5°	506.6	507.0	507.4	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2
120°	546.8	548.0	549.1	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8
122.5°	588.8	589.2	589.6	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6
125°	647.7	649.1	650.5	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6
127.5°	708.8	709.6	710.3	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3
130°	746.2	747.3	748.5	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7
132.5°	783.9	785.8	787.6	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6
135°	841.9	843.3	844.7	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8
137.5°	897.0	898.3	899.6	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4
140°	932.2	933.3	934.5	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2
142.5°	967.3	968.3	969.2	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1
145°	1019.2	1020.2	1021.0	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6
147.5°	1066.9	1067.5	1067.9	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2
150°	1098.3	1098.0	1097.8	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6
152.5°	1125.1	1125.5	1125.8	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9
155°	1165.3	1165.3	1165.3	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2
157.5°	1200.9	1200.5	1199.9	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1
160°	1222.2	1221.5	1220.8	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6
162.5°	1241.3	1240.7	1240.2	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9
165°	1266.5	1266.1	1265.7	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8
167.5°	1287.5	1286.6	1285.6	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1
170°	1299.0	1298.1	1297.2	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5
172.5°	1307.2	1306.3	1305.4	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8
175°	1316.4	1315.6	1314.6	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0
177.5°	1321.4	1320.6	1319.9	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	741.5	743.4	747.5	746.1	748.0	748.9	750.0
5°	801.4	811.0	815.2	814.6	820.9	819.4	817.9
7.5°	869.0	879.2	884.8	891.8	896.0	896.2	899.8
10°	907.3	920.5	926.0	933.5	938.3	941.0	940.7
12.5°	936.7	947.1	959.2	962.9	969.4	972.8	971.5
15°	972.0	988.6	1001.2	1007.5	1015.7	1018.0	1021.4
17.5°	1003.5	1025.7	1040.5	1060.1	1067.5	1072.1	1069.4
20°	1027.4	1056.5	1071.3	1094.8	1107.7	1114.7	1112.2
22.5°	1055.6	1087.1	1114.4	1134.7	1154.4	1163.8	1165.7
25°	1103.8	1147.2	1187.2	1213.9	1238.3	1244.0	1256.7
27.5°	1157.8	1208.9	1251.6	1279.8	1296.8	1303.1	1307.1
30°	1191.7	1242.5	1274.8	1292.8	1298.2	1297.6	1297.0
32.5°	1208.3	1240.2	1246.3	1241.3	1228.9	1218.4	1207.4
35°	1184.8	1161.0	1125.5	1079.7	1046.1	1012.0	1008.7
37.5°	1065.6	989.5	930.4	864.4	826.3	802.8	786.5
40°	953.3	867.0	795.4	739.7	700.8	685.6	670.5
42.5°	831.6	749.0	685.6	639.1	609.9	592.9	580.9
45°	675.6	602.8	553.1	519.4	496.2	483.0	475.5
47.5°	553.6	499.7	457.6	433.2	417.2	406.9	406.9
50°	488.1	436.7	408.7	389.4	375.6	367.4	368.9
52.5°	430.1	391.7	367.7	351.6	341.4	336.4	336.2
55°	359.7	331.9	316.3	304.5	297.6	291.9	293.1
57.5°	307.6	284.2	273.8	264.0	259.2	256.9	253.7
60°	275.4	257.3	248.3	240.4	235.6	233.9	230.5
62.5°	246.7	232.5	223.7	217.3	213.0	212.4	209.8
65°	207.3	196.5	188.7	185.7	181.2	180.0	180.0
67.5°	171.0	163.2	157.1	154.3	152.3	152.7	151.1
70°	148.1	141.7	137.8	134.8	133.3	133.6	132.4
72.5°	129.5	122.5	119.1	117.2	115.3	116.1	115.6
75°	98.1	94.5	92.7	90.9	89.7	89.0	88.5
77.5°	72.0	68.8	67.5	66.5	66.6	65.2	66.3
80°	55.7	53.0	52.0	50.5	50.2	50.2	50.0
82.5°	40.7	39.2	38.6	37.3	36.8	37.2	36.4
85°	21.1	19.9	19.6	19.6	18.9	18.4	19.9
87.5°	11.6	10.9	11.1	11.0	11.2	11.1	10.7
90°	19.9	21.0	21.9	22.6	23.3	24.0	24.6
92.5°	44.0	45.5	46.5	47.0	47.5	48.0	48.5
95°	83.9	85.6	86.5	87.0	87.5	87.9	88.4
97.5°	130.5	132.0	132.9	133.2	133.5	133.7	134.0
100°	163.3	165.4	166.7	167.2	167.6	168.1	168.5
102.5°	196.8	199.1	200.5	201.1	201.8	202.4	203.0
105°	249.7	251.0	252.1	252.8	253.5	254.1	254.8
107.5°	307.0	307.8	308.1	308.0	307.9	307.9	307.8
110°	347.3	348.0	348.2	348.0	347.8	347.5	347.3



TEST NUMBER: P333389-927

CATALOG NUMBER: S125DIW-S610D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.3	387.6	387.6	387.2	386.8	386.3	386.0
115°	448.4	448.1	447.9	447.7	447.4	447.3	447.0
117.5°	510.4	510.6	510.2	509.4	508.4	507.6	506.6
120°	551.8	551.8	551.4	550.4	549.5	548.6	547.7
122.5°	592.4	592.2	591.8	591.0	590.3	589.5	588.8
125°	652.2	651.7	651.4	651.2	650.9	650.7	650.5
127.5°	712.0	711.9	711.5	711.1	710.6	710.1	709.6
130°	751.5	751.3	750.9	750.5	750.0	749.6	749.1
132.5°	789.3	789.1	788.7	788.1	787.3	786.7	786.1
135°	847.8	847.8	847.3	846.4	845.5	844.5	843.7
137.5°	904.7	905.0	904.5	903.4	902.2	901.1	900.0
140°	940.6	941.0	940.7	939.5	938.4	937.3	936.1
142.5°	975.4	975.7	975.3	974.1	973.0	971.8	970.7
145°	1025.6	1025.6	1025.2	1024.5	1023.8	1023.1	1022.5
147.5°	1072.8	1073.3	1072.9	1071.3	1069.8	1068.2	1066.7
150°	1101.6	1101.6	1101.4	1100.9	1100.4	1099.9	1099.5
152.5°	1129.5	1130.0	1130.0	1129.1	1128.3	1127.4	1126.6
155°	1169.0	1170.0	1169.8	1168.7	1167.6	1166.4	1165.3
157.5°	1202.9	1203.9	1203.6	1202.1	1200.6	1199.0	1197.5
160°	1223.5	1224.4	1224.3	1223.2	1222.0	1220.9	1219.7
162.5°	1242.9	1244.0	1244.0	1242.6	1241.3	1240.0	1238.7
165°	1268.8	1269.6	1269.4	1268.0	1266.7	1265.3	1263.9
167.5°	1288.4	1289.8	1289.8	1288.3	1286.9	1285.5	1284.0
170°	1299.9	1301.2	1301.2	1299.6	1298.0	1296.3	1294.7
172.5°	1308.1	1309.5	1309.5	1308.1	1306.6	1305.2	1303.8
175°	1317.4	1318.7	1318.6	1317.0	1315.4	1313.8	1312.2
177.5°	1321.3	1322.4	1322.3	1321.0	1319.7	1318.4	1317.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5

(END OF REPORT)