

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: P333388-927

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333388-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D1340U927-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6252.4 lumens  
Efficiency: N/A  
Efficacy: 116.2 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

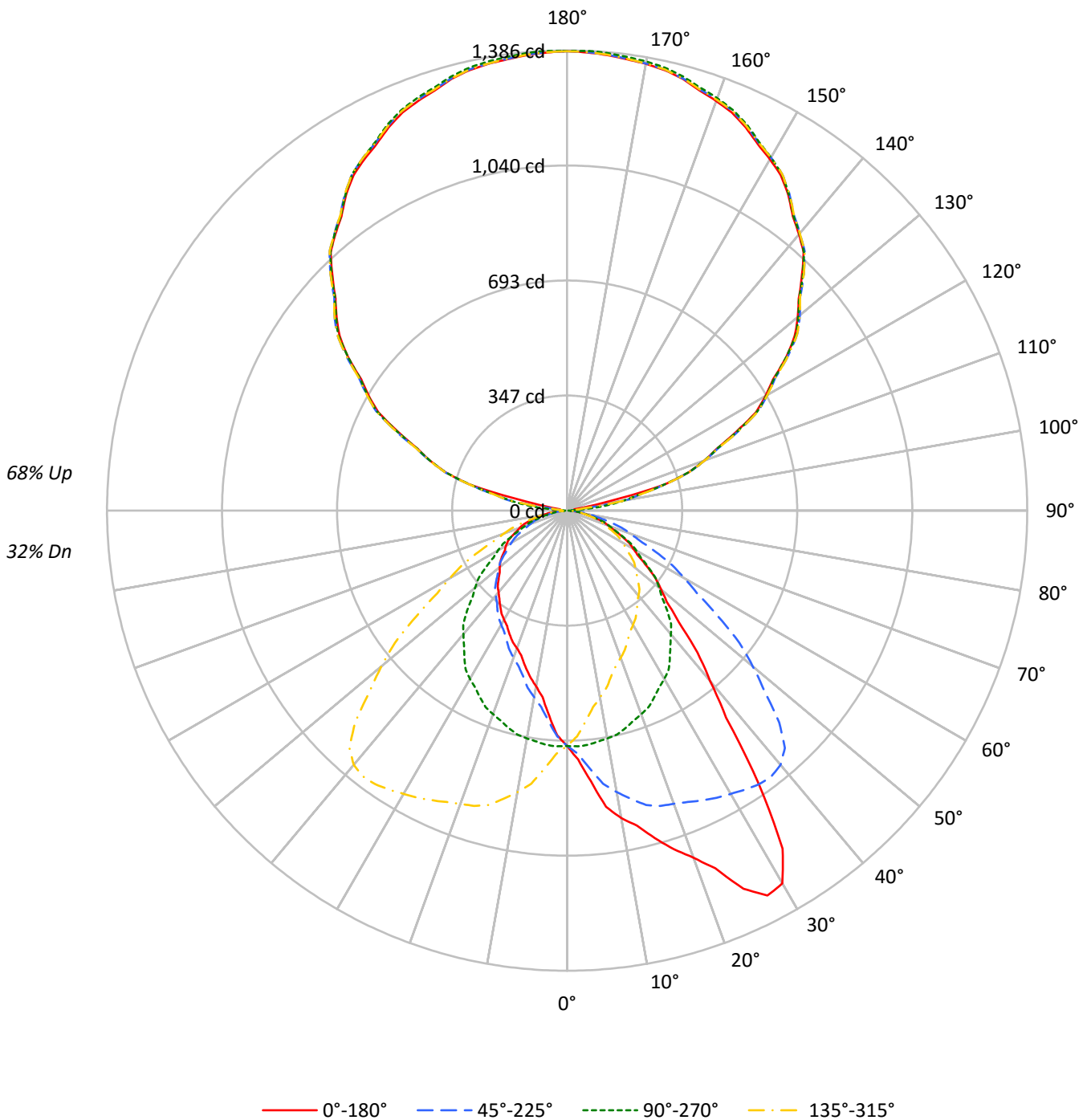
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34	27
2	86	78	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	33	28	26	24	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	65	54	46	41	59	49	42	37	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14	12
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	8

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.3	1.1
10°-20°	203.2	3.3
20°-30°	330.0	5.3
30°-40°	402.5	6.4
40°-50°	366.2	5.9
50°-60°	291.7	4.7
60°-70°	203.2	3.2
70°-80°	108.3	1.7
80°-90°	30.2	0.5
90°-100°	50.3	0.8
100°-110°	309.9	5.0
110°-120°	562.0	9.0
120°-130°	721.3	11.5
130°-140°	775.8	12.4
140°-150°	728.2	11.6
150°-160°	589.1	9.4
160°-170°	381.0	6.1
170°-180°	131.4	2.1
0°-30°	601.5	9.6
0°-40°	1004.0	16.1
0°-60°	1661.8	26.6
0°-90°	2003.5	32.0
90°-120°	922.2	14.7
90°-150°	3147.5	50.3
90°-180°	4249.0	68.0
0°-180°	6252.4	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	11
95°	22	58	22	58	22	18
105°	305	302	305	302	305	275
115°	562	566	562	566	562	558
125°	805	805	805	805	805	716
135°	1000	1004	1000	1004	1000	772
145°	1161	1164	1161	1164	1161	725
155°	1273	1282	1273	1282	1273	587
165°	1346	1353	1346	1353	1346	380
175°	1377	1384	1377	1384	1377	131
180°	1384	1384	1384	1384	1384	



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**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	11.0	11.2	11.0	11.1	10.9	11.6	11.4	12.0	12.4	13.1
90°	24.6	23.9	23.2	22.6	21.9	21.0	19.8	18.7	17.6	16.4	14.8
92.5°	23.0	22.7	22.3	22.0	21.7	21.0	19.8	18.7	17.6	16.4	15.0
95°	21.5	21.5	21.5	21.5	21.5	21.0	19.8	18.7	17.6	16.4	25.0
97.5°	21.5	21.5	21.5	21.5	21.5	24.7	31.2	37.6	44.0	50.5	67.6
100°	21.5	22.4	23.4	24.2	25.2	42.6	76.6	110.5	144.5	178.5	177.5
102.5°	129.0	144.5	160.0	175.5	191.0	202.0	208.4	214.8	221.3	227.7	227.1
105°	304.6	304.8	305.1	305.3	305.5	305.6	305.6	305.6	305.6	305.6	305.6
107.5°	384.0	384.7	385.4	386.0	386.7	387.1	387.1	387.0	386.9	386.9	386.4
110°	439.0	438.8	438.6	438.3	438.1	438.3	439.0	439.7	440.4	441.0	440.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	488.2	488.5	488.9	489.2	489.5	490.1	491.0	491.8	492.7	493.5	493.3
115°	562.1	563.4	564.8	566.2	567.5	568.7	569.6	570.5	571.4	572.4	572.1
117.5°	640.9	641.4	642.1	642.6	643.2	644.1	645.3	646.5	647.7	648.9	648.0
120°	689.3	690.4	691.5	692.7	693.8	694.6	695.1	695.5	696.0	696.4	695.8
122.5°	735.2	736.5	737.8	739.2	740.5	741.4	741.8	742.3	742.8	743.2	742.9
125°	805.2	805.8	806.5	807.2	807.9	808.7	809.6	810.5	811.4	812.3	812.3
127.5°	864.0	865.7	867.4	869.1	870.8	871.9	872.4	872.9	873.4	873.9	874.0
130°	906.7	907.8	908.9	910.1	911.2	912.2	912.8	913.5	914.3	914.9	914.7
132.5°	946.1	947.2	948.4	949.5	950.6	951.3	951.4	951.6	951.7	951.8	952.4
135°	1000.1	1001.4	1002.7	1004.2	1005.5	1006.4	1006.9	1007.3	1007.8	1008.2	1008.7
137.5°	1054.2	1055.3	1056.5	1057.7	1058.9	1059.5	1059.4	1059.3	1059.2	1059.1	1059.5
140°	1086.2	1087.6	1088.9	1090.3	1091.6	1092.1	1091.6	1091.2	1090.8	1090.3	1090.5
142.5°	1116.6	1117.9	1119.3	1120.6	1122.0	1122.7	1122.6	1122.4	1122.4	1122.3	1122.0
145°	1161.1	1162.4	1163.8	1165.1	1166.6	1167.1	1166.9	1166.6	1166.4	1166.2	1166.2
147.5°	1197.8	1199.4	1201.0	1202.7	1204.4	1205.1	1204.8	1204.5	1204.2	1204.0	1203.6
150°	1221.5	1223.4	1225.2	1227.0	1228.8	1229.5	1229.1	1228.7	1228.2	1227.7	1227.2
152.5°	1243.7	1245.4	1247.1	1248.6	1250.3	1250.9	1250.5	1250.0	1249.5	1249.0	1248.6
155°	1272.9	1274.7	1276.5	1278.3	1280.2	1280.7	1280.0	1279.4	1278.7	1278.0	1277.6
157.5°	1297.3	1299.1	1300.9	1302.7	1304.6	1305.1	1304.4	1303.7	1302.9	1302.2	1302.2
160°	1312.9	1314.7	1316.5	1318.3	1320.2	1320.6	1319.7	1318.8	1317.9	1317.0	1316.8
162.5°	1326.8	1328.8	1330.8	1332.8	1334.8	1335.2	1334.0	1332.6	1331.3	1330.1	1329.8
165°	1345.7	1347.5	1349.3	1351.1	1353.0	1353.2	1351.9	1350.4	1349.1	1347.7	1347.5
167.5°	1358.8	1360.9	1362.9	1364.9	1367.0	1367.2	1365.6	1364.0	1362.3	1360.7	1360.4
170°	1366.2	1368.3	1370.3	1372.4	1374.4	1374.5	1372.7	1370.9	1369.0	1367.2	1367.0
172.5°	1371.1	1373.2	1375.2	1377.3	1379.3	1379.5	1377.9	1376.3	1374.6	1372.9	1372.5
175°	1377.4	1379.5	1381.6	1383.6	1385.7	1385.8	1383.9	1382.1	1380.3	1378.5	1378.3
177.5°	1381.2	1382.6	1384.1	1385.5	1387.0	1387.1	1385.8	1384.6	1383.3	1382.0	1381.8
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



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**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°	13.5	12.2	10.8	10.7	12.0	13.2	14.5	15.8	14.5	13.2	12.0
95°	33.7	42.4	51.0	55.7	56.4	57.1	57.8	58.5	57.8	57.1	56.4
97.5°	84.8	101.9	119.0	127.0	125.7	124.5	123.3	122.1	123.3	124.5	125.7
100°	176.7	175.7	174.8	174.0	173.3	172.6	172.0	171.3	172.0	172.6	173.3
102.5°	226.6	226.1	225.5	224.8	223.9	223.1	222.2	221.3	222.2	223.1	223.9
105°	305.6	305.6	305.6	305.2	304.3	303.4	302.5	301.6	302.5	303.4	304.3
107.5°	386.0	385.6	385.1	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8
110°	440.1	439.7	439.2	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0





TEST NUMBER: P333388-927

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	493.0	492.7	492.5	492.0	491.5	491.0	490.4	489.9	490.4	491.0	491.5
115°	571.9	571.6	571.4	570.8	569.6	568.5	567.3	566.2	567.3	568.5	569.6
117.5°	647.1	646.3	645.4	645.0	645.0	645.1	645.1	645.2	645.1	645.1	645.0
120°	695.1	694.3	693.7	693.5	693.7	694.0	694.2	694.3	694.2	694.0	693.7
122.5°	742.6	742.3	742.0	741.3	740.5	739.6	738.7	737.8	738.7	739.6	740.5
125°	812.3	812.3	812.3	811.5	809.9	808.3	806.8	805.2	806.8	808.3	809.9
127.5°	874.2	874.3	874.4	873.9	872.7	871.6	870.5	869.3	870.5	871.6	872.7
130°	914.4	914.3	914.0	913.3	912.2	911.0	909.9	908.7	909.9	911.0	912.2
132.5°	952.8	953.3	953.9	953.4	952.1	950.8	949.4	948.2	949.4	950.8	952.1
135°	1009.2	1009.6	1010.0	1009.6	1008.2	1006.9	1005.5	1004.2	1005.5	1006.9	1008.2
137.5°	1059.9	1060.3	1060.7	1060.3	1059.1	1058.0	1056.8	1055.7	1056.8	1058.0	1059.1
140°	1090.8	1091.0	1091.2	1091.1	1090.6	1090.2	1089.7	1089.3	1089.7	1090.2	1090.6
142.5°	1121.7	1121.3	1121.0	1120.7	1120.5	1120.1	1119.9	1119.6	1119.9	1120.1	1120.5
145°	1166.2	1166.2	1166.2	1165.9	1165.5	1165.1	1164.6	1164.1	1164.6	1165.1	1165.5
147.5°	1203.4	1203.1	1202.8	1202.8	1202.8	1202.9	1203.0	1203.1	1203.0	1202.9	1202.8
150°	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1227.2	1226.9	1226.4
152.5°	1248.2	1247.7	1247.2	1247.5	1248.6	1249.5	1250.5	1251.5	1250.5	1249.5	1248.6
155°	1277.1	1276.6	1276.2	1276.6	1278.0	1279.4	1280.7	1282.1	1280.7	1279.4	1278.0
157.5°	1302.1	1302.0	1302.0	1302.4	1303.2	1304.0	1304.9	1305.7	1304.9	1304.0	1303.2
160°	1316.5	1316.3	1316.1	1316.6	1318.0	1319.4	1320.7	1322.1	1320.7	1319.4	1318.0
162.5°	1329.7	1329.4	1329.2	1329.8	1331.1	1332.5	1333.9	1335.2	1333.9	1332.5	1331.1
165°	1347.3	1347.0	1346.8	1347.4	1348.8	1350.1	1351.5	1352.9	1351.5	1350.1	1348.8
167.5°	1360.2	1359.9	1359.8	1360.3	1361.8	1363.2	1364.6	1366.0	1364.6	1363.2	1361.8
170°	1366.8	1366.5	1366.3	1367.0	1368.6	1370.2	1371.8	1373.4	1371.8	1370.2	1368.6
172.5°	1372.1	1371.7	1371.3	1371.9	1373.5	1375.1	1376.7	1378.3	1376.7	1375.1	1373.5
175°	1378.1	1377.8	1377.6	1378.2	1379.5	1380.9	1382.3	1383.6	1382.3	1380.9	1379.5
177.5°	1381.6	1381.5	1381.2	1381.7	1382.8	1383.9	1385.0	1386.1	1385.0	1383.9	1382.8
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333388-927

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

**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	9.4	10.3	10.2	11.4	12.1	12.8	12.8
90°	8.3	10.1	11.6	13.2	14.8	16.4	17.6	18.7	19.8	21.0	21.9
92.5°	10.7	10.8	12.2	13.5	15.0	16.4	17.6	18.7	19.8	21.0	21.7
95°	55.7	51.0	42.4	33.7	25.0	16.4	17.6	18.7	19.8	21.0	21.5
97.5°	127.0	119.0	101.9	84.8	67.6	50.5	44.0	37.6	31.2	24.7	21.5
100°	174.0	174.8	175.7	176.7	177.5	178.5	144.5	110.5	76.6	42.6	25.2
102.5°	224.8	225.5	226.1	226.6	227.1	227.7	221.3	214.8	208.4	202.0	191.0
105°	305.2	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.5
107.5°	384.8	385.1	385.6	386.0	386.4	386.9	386.9	387.0	387.1	387.1	386.7
110°	439.0	439.2	439.7	440.1	440.6	441.0	440.4	439.7	439.0	438.3	438.1



TEST NUMBER: P333388-927

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	492.0	492.5	492.7	493.0	493.3	493.5	492.7	491.8	491.0	490.1	489.5
115°	570.8	571.4	571.6	571.9	572.1	572.4	571.4	570.5	569.6	568.7	567.5
117.5°	645.0	645.4	646.3	647.1	648.0	648.9	647.7	646.5	645.3	644.1	643.2
120°	693.5	693.7	694.3	695.1	695.8	696.4	696.0	695.5	695.1	694.6	693.8
122.5°	741.3	742.0	742.3	742.6	742.9	743.2	742.8	742.3	741.8	741.4	740.5
125°	811.5	812.3	812.3	812.3	812.3	812.3	811.4	810.5	809.6	808.7	807.9
127.5°	873.9	874.4	874.3	874.2	874.0	873.9	873.4	872.9	872.4	871.9	870.8
130°	913.3	914.0	914.3	914.4	914.7	914.9	914.3	913.5	912.8	912.2	911.2
132.5°	953.4	953.9	953.3	952.8	952.4	951.8	951.7	951.6	951.4	951.3	950.6
135°	1009.6	1010.0	1009.6	1009.2	1008.7	1008.2	1007.8	1007.3	1006.9	1006.4	1005.5
137.5°	1060.3	1060.7	1060.3	1059.9	1059.5	1059.1	1059.2	1059.3	1059.4	1059.5	1058.9
140°	1091.1	1091.2	1091.0	1090.8	1090.5	1090.3	1090.8	1091.2	1091.6	1092.1	1091.6
142.5°	1120.7	1121.0	1121.3	1121.7	1122.0	1122.3	1122.4	1122.4	1122.6	1122.7	1122.0
145°	1165.9	1166.2	1166.2	1166.2	1166.2	1166.2	1166.4	1166.6	1166.9	1167.1	1166.6
147.5°	1202.8	1202.8	1203.1	1203.4	1203.6	1204.0	1204.2	1204.5	1204.8	1205.1	1204.4
150°	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1228.2	1228.7	1229.1	1229.5	1228.8
152.5°	1247.5	1247.2	1247.7	1248.2	1248.6	1249.0	1249.5	1250.0	1250.5	1250.9	1250.3
155°	1276.6	1276.2	1276.6	1277.1	1277.6	1278.0	1278.7	1279.4	1280.0	1280.7	1280.2
157.5°	1302.4	1302.0	1302.0	1302.1	1302.2	1302.2	1302.9	1303.7	1304.4	1305.1	1304.6
160°	1316.6	1316.1	1316.3	1316.5	1316.8	1317.0	1317.9	1318.8	1319.7	1320.6	1320.2
162.5°	1329.8	1329.2	1329.4	1329.7	1329.8	1330.1	1331.3	1332.6	1334.0	1335.2	1334.8
165°	1347.4	1346.8	1347.0	1347.3	1347.5	1347.7	1349.1	1350.4	1351.9	1353.2	1353.0
167.5°	1360.3	1359.8	1359.9	1360.2	1360.4	1360.7	1362.3	1364.0	1365.6	1367.2	1367.0
170°	1367.0	1366.3	1366.5	1366.8	1367.0	1367.2	1369.0	1370.9	1372.7	1374.5	1374.4
172.5°	1371.9	1371.3	1371.7	1372.1	1372.5	1372.9	1374.6	1376.3	1377.9	1379.5	1379.3
175°	1378.2	1377.6	1377.8	1378.1	1378.3	1378.5	1380.3	1382.1	1383.9	1385.8	1385.7
177.5°	1381.7	1381.2	1381.5	1381.6	1381.8	1382.0	1383.3	1384.6	1385.8	1387.1	1387.0
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333388-927

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

**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°	13.4	13.3	13.5	14.1	13.5	13.3	13.4	12.8	12.8	12.1	11.4
90°	22.6	23.2	23.9	24.6	23.9	23.2	22.6	21.9	21.0	19.8	18.7
92.5°	22.0	22.3	22.7	23.0	22.7	22.3	22.0	21.7	21.0	19.8	18.7
95°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.0	19.8	18.7
97.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	24.7	31.2	37.6
100°	24.2	23.4	22.4	21.5	22.4	23.4	24.2	25.2	42.6	76.6	110.5
102.5°	175.5	160.0	144.5	129.0	144.5	160.0	175.5	191.0	202.0	208.4	214.8
105°	305.3	305.1	304.8	304.6	304.8	305.1	305.3	305.5	305.6	305.6	305.6
107.5°	386.0	385.4	384.7	384.0	384.7	385.4	386.0	386.7	387.1	387.1	387.0
110°	438.3	438.6	438.8	439.0	438.8	438.6	438.3	438.1	438.3	439.0	439.7



TEST NUMBER: P333388-927

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.2	488.9	488.5	488.2	488.5	488.9	489.2	489.5	490.1	491.0	491.8
115°	566.2	564.8	563.4	562.1	563.4	564.8	566.2	567.5	568.7	569.6	570.5
117.5°	642.6	642.1	641.4	640.9	641.4	642.1	642.6	643.2	644.1	645.3	646.5
120°	692.7	691.5	690.4	689.3	690.4	691.5	692.7	693.8	694.6	695.1	695.5
122.5°	739.2	737.8	736.5	735.2	736.5	737.8	739.2	740.5	741.4	741.8	742.3
125°	807.2	806.5	805.8	805.2	805.8	806.5	807.2	807.9	808.7	809.6	810.5
127.5°	869.1	867.4	865.7	864.0	865.7	867.4	869.1	870.8	871.9	872.4	872.9
130°	910.1	908.9	907.8	906.7	907.8	908.9	910.1	911.2	912.2	912.8	913.5
132.5°	949.5	948.4	947.2	946.1	947.2	948.4	949.5	950.6	951.3	951.4	951.6
135°	1004.2	1002.7	1001.4	1000.1	1001.4	1002.7	1004.2	1005.5	1006.4	1006.9	1007.3
137.5°	1057.7	1056.5	1055.3	1054.2	1055.3	1056.5	1057.7	1058.9	1059.5	1059.4	1059.3
140°	1090.3	1088.9	1087.6	1086.2	1087.6	1088.9	1090.3	1091.6	1092.1	1091.6	1091.2
142.5°	1120.6	1119.3	1117.9	1116.6	1117.9	1119.3	1120.6	1122.0	1122.7	1122.6	1122.4
145°	1165.1	1163.8	1162.4	1161.1	1162.4	1163.8	1165.1	1166.6	1167.1	1166.9	1166.6
147.5°	1202.7	1201.0	1199.4	1197.8	1199.4	1201.0	1202.7	1204.4	1205.1	1204.8	1204.5
150°	1227.0	1225.2	1223.4	1221.5	1223.4	1225.2	1227.0	1228.8	1229.5	1229.1	1228.7
152.5°	1248.6	1247.1	1245.4	1243.7	1245.4	1247.1	1248.6	1250.3	1250.9	1250.5	1250.0
155°	1278.3	1276.5	1274.7	1272.9	1274.7	1276.5	1278.3	1280.2	1280.7	1280.0	1279.4
157.5°	1302.7	1300.9	1299.1	1297.3	1299.1	1300.9	1302.7	1304.6	1305.1	1304.4	1303.7
160°	1318.3	1316.5	1314.7	1312.9	1314.7	1316.5	1318.3	1320.2	1320.6	1319.7	1318.8
162.5°	1332.8	1330.8	1328.8	1326.8	1328.8	1330.8	1332.8	1334.8	1335.2	1334.0	1332.6
165°	1351.1	1349.3	1347.5	1345.7	1347.5	1349.3	1351.1	1353.0	1353.2	1351.9	1350.4
167.5°	1364.9	1362.9	1360.9	1358.8	1360.9	1362.9	1364.9	1367.0	1367.2	1365.6	1364.0
170°	1372.4	1370.3	1368.3	1366.2	1368.3	1370.3	1372.4	1374.4	1374.5	1372.7	1370.9
172.5°	1377.3	1375.2	1373.2	1371.1	1373.2	1375.2	1377.3	1379.3	1379.5	1377.9	1376.3
175°	1383.6	1381.6	1379.5	1377.4	1379.5	1381.6	1383.6	1385.7	1385.8	1383.9	1382.1
177.5°	1385.5	1384.1	1382.6	1381.2	1382.6	1384.1	1385.5	1387.0	1387.1	1385.8	1384.6
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



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

**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	9.4	9.1	8.6	8.5	7.7	7.1	6.5	6.3	6.7
90°	17.6	16.4	14.8	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0
92.5°	17.6	16.4	15.0	13.5	12.2	10.8	10.7	12.0	13.2	14.5	15.8
95°	17.6	16.4	25.0	33.7	42.4	51.0	55.7	56.4	57.1	57.8	58.5
97.5°	44.0	50.5	67.6	84.8	101.9	119.0	127.0	125.7	124.5	123.3	122.1
100°	144.5	178.5	177.5	176.7	175.7	174.8	174.0	173.3	172.6	172.0	171.3
102.5°	221.3	227.7	227.1	226.6	226.1	225.5	224.8	223.9	223.1	222.2	221.3
105°	305.6	305.6	305.6	305.6	305.6	305.6	305.2	304.3	303.4	302.5	301.6
107.5°	386.9	386.9	386.4	386.0	385.6	385.1	384.8	384.8	384.8	384.8	384.8
110°	440.4	441.0	440.6	440.1	439.7	439.2	439.0	439.0	439.0	439.0	439.0



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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	492.7	493.5	493.3	493.0	492.7	492.5	492.0	491.5	491.0	490.4	489.9
115°	571.4	572.4	572.1	571.9	571.6	571.4	570.8	569.6	568.5	567.3	566.2
117.5°	647.7	648.9	648.0	647.1	646.3	645.4	645.0	645.0	645.1	645.1	645.2
120°	696.0	696.4	695.8	695.1	694.3	693.7	693.5	693.7	694.0	694.2	694.3
122.5°	742.8	743.2	742.9	742.6	742.3	742.0	741.3	740.5	739.6	738.7	737.8
125°	811.4	812.3	812.3	812.3	812.3	812.3	811.5	809.9	808.3	806.8	805.2
127.5°	873.4	873.9	874.0	874.2	874.3	874.4	873.9	872.7	871.6	870.5	869.3
130°	914.3	914.9	914.7	914.4	914.3	914.0	913.3	912.2	911.0	909.9	908.7
132.5°	951.7	951.8	952.4	952.8	953.3	953.9	953.4	952.1	950.8	949.4	948.2
135°	1007.8	1008.2	1008.7	1009.2	1009.6	1010.0	1009.6	1008.2	1006.9	1005.5	1004.2
137.5°	1059.2	1059.1	1059.5	1059.9	1060.3	1060.7	1060.3	1059.1	1058.0	1056.8	1055.7
140°	1090.8	1090.3	1090.5	1090.8	1091.0	1091.2	1091.1	1090.6	1090.2	1089.7	1089.3
142.5°	1122.4	1122.3	1122.0	1121.7	1121.3	1121.0	1120.7	1120.5	1120.1	1119.9	1119.6
145°	1166.4	1166.2	1166.2	1166.2	1166.2	1166.2	1165.9	1165.5	1165.1	1164.6	1164.1
147.5°	1204.2	1204.0	1203.6	1203.4	1203.1	1202.8	1202.8	1202.8	1202.9	1203.0	1203.1
150°	1228.2	1227.7	1227.2	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7
152.5°	1249.5	1249.0	1248.6	1248.2	1247.7	1247.2	1247.5	1248.6	1249.5	1250.5	1251.5
155°	1278.7	1278.0	1277.6	1277.1	1276.6	1276.2	1276.6	1278.0	1279.4	1280.7	1282.1
157.5°	1302.9	1302.2	1302.2	1302.1	1302.0	1302.0	1302.4	1303.2	1304.0	1304.9	1305.7
160°	1317.9	1317.0	1316.8	1316.5	1316.3	1316.1	1316.6	1318.0	1319.4	1320.7	1322.1
162.5°	1331.3	1330.1	1329.8	1329.7	1329.4	1329.2	1329.8	1331.1	1332.5	1333.9	1335.2
165°	1349.1	1347.7	1347.5	1347.3	1347.0	1346.8	1347.4	1348.8	1350.1	1351.5	1352.9
167.5°	1362.3	1360.7	1360.4	1360.2	1359.9	1359.8	1360.3	1361.8	1363.2	1364.6	1366.0
170°	1369.0	1367.2	1367.0	1366.8	1366.5	1366.3	1367.0	1368.6	1370.2	1371.8	1373.4
172.5°	1374.6	1372.9	1372.5	1372.1	1371.7	1371.3	1371.9	1373.5	1375.1	1376.7	1378.3
175°	1380.3	1378.5	1378.3	1378.1	1377.8	1377.6	1378.2	1379.5	1380.9	1382.3	1383.6
177.5°	1383.3	1382.0	1381.8	1381.6	1381.5	1381.2	1381.7	1382.8	1383.9	1385.0	1386.1
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333388-927

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**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	11.4
90°	2.9	4.7	6.5	8.3	10.1	11.6	13.2	14.8	16.4	17.6	18.7
92.5°	14.5	13.2	12.0	10.7	10.8	12.2	13.5	15.0	16.4	17.6	18.7
95°	57.8	57.1	56.4	55.7	51.0	42.4	33.7	25.0	16.4	17.6	18.7
97.5°	123.3	124.5	125.7	127.0	119.0	101.9	84.8	67.6	50.5	44.0	37.6
100°	172.0	172.6	173.3	174.0	174.8	175.7	176.7	177.5	178.5	144.5	110.5
102.5°	222.2	223.1	223.9	224.8	225.5	226.1	226.6	227.1	227.7	221.3	214.8
105°	302.5	303.4	304.3	305.2	305.6	305.6	305.6	305.6	305.6	305.6	305.6
107.5°	384.8	384.8	384.8	384.8	385.1	385.6	386.0	386.4	386.9	386.9	387.0
110°	439.0	439.0	439.0	439.0	439.2	439.7	440.1	440.6	441.0	440.4	439.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	490.4	491.0	491.5	492.0	492.5	492.7	493.0	493.3	493.5	492.7	491.8
115°	567.3	568.5	569.6	570.8	571.4	571.6	571.9	572.1	572.4	571.4	570.5
117.5°	645.1	645.1	645.0	645.0	645.4	646.3	647.1	648.0	648.9	647.7	646.5
120°	694.2	694.0	693.7	693.5	693.7	694.3	695.1	695.8	696.4	696.0	695.5
122.5°	738.7	739.6	740.5	741.3	742.0	742.3	742.6	742.9	743.2	742.8	742.3
125°	806.8	808.3	809.9	811.5	812.3	812.3	812.3	812.3	812.3	811.4	810.5
127.5°	870.5	871.6	872.7	873.9	874.4	874.3	874.2	874.0	873.9	873.4	872.9
130°	909.9	911.0	912.2	913.3	914.0	914.3	914.4	914.7	914.9	914.3	913.5
132.5°	949.4	950.8	952.1	953.4	953.9	953.3	952.8	952.4	951.8	951.7	951.6
135°	1005.5	1006.9	1008.2	1009.6	1010.0	1009.6	1009.2	1008.7	1008.2	1007.8	1007.3
137.5°	1056.8	1058.0	1059.1	1060.3	1060.7	1060.3	1059.9	1059.5	1059.1	1059.2	1059.3
140°	1089.7	1090.2	1090.6	1091.1	1091.2	1091.0	1090.8	1090.5	1090.3	1090.8	1091.2
142.5°	1119.9	1120.1	1120.5	1120.7	1121.0	1121.3	1121.7	1122.0	1122.3	1122.4	1122.4
145°	1164.6	1165.1	1165.5	1165.9	1166.2	1166.2	1166.2	1166.2	1166.2	1166.4	1166.6
147.5°	1203.0	1202.9	1202.8	1202.8	1202.8	1203.1	1203.4	1203.6	1204.0	1204.2	1204.5
150°	1227.2	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1228.2	1228.7
152.5°	1250.5	1249.5	1248.6	1247.5	1247.2	1247.7	1248.2	1248.6	1249.0	1249.5	1250.0
155°	1280.7	1279.4	1278.0	1276.6	1276.2	1276.6	1277.1	1277.6	1278.0	1278.7	1279.4
157.5°	1304.9	1304.0	1303.2	1302.4	1302.0	1302.0	1302.1	1302.2	1302.2	1302.9	1303.7
160°	1320.7	1319.4	1318.0	1316.6	1316.1	1316.3	1316.5	1316.8	1317.0	1317.9	1318.8
162.5°	1333.9	1332.5	1331.1	1329.8	1329.2	1329.4	1329.7	1329.8	1330.1	1331.3	1332.6
165°	1351.5	1350.1	1348.8	1347.4	1346.8	1347.0	1347.3	1347.5	1347.7	1349.1	1350.4
167.5°	1364.6	1363.2	1361.8	1360.3	1359.8	1359.9	1360.2	1360.4	1360.7	1362.3	1364.0
170°	1371.8	1370.2	1368.6	1367.0	1366.3	1366.5	1366.8	1367.0	1367.2	1369.0	1370.9
172.5°	1376.7	1375.1	1373.5	1371.9	1371.3	1371.7	1372.1	1372.5	1372.9	1374.6	1376.3
175°	1382.3	1380.9	1379.5	1378.2	1377.6	1377.8	1378.1	1378.3	1378.5	1380.3	1382.1
177.5°	1385.0	1383.9	1382.8	1381.7	1381.2	1381.5	1381.6	1381.8	1382.0	1383.3	1384.6
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



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**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	11.0	10.7
90°	19.8	21.0	21.9	22.6	23.2	23.9	24.6
92.5°	19.8	21.0	21.7	22.0	22.3	22.7	23.0
95°	19.8	21.0	21.5	21.5	21.5	21.5	21.5
97.5°	31.2	24.7	21.5	21.5	21.5	21.5	21.5
100°	76.6	42.6	25.2	24.2	23.4	22.4	21.5
102.5°	208.4	202.0	191.0	175.5	160.0	144.5	129.0
105°	305.6	305.6	305.5	305.3	305.1	304.8	304.6
107.5°	387.1	387.1	386.7	386.0	385.4	384.7	384.0
110°	439.0	438.3	438.1	438.3	438.6	438.8	439.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	491.0	490.1	489.5	489.2	488.9	488.5	488.2
115°	569.6	568.7	567.5	566.2	564.8	563.4	562.1
117.5°	645.3	644.1	643.2	642.6	642.1	641.4	640.9
120°	695.1	694.6	693.8	692.7	691.5	690.4	689.3
122.5°	741.8	741.4	740.5	739.2	737.8	736.5	735.2
125°	809.6	808.7	807.9	807.2	806.5	805.8	805.2
127.5°	872.4	871.9	870.8	869.1	867.4	865.7	864.0
130°	912.8	912.2	911.2	910.1	908.9	907.8	906.7
132.5°	951.4	951.3	950.6	949.5	948.4	947.2	946.1
135°	1006.9	1006.4	1005.5	1004.2	1002.7	1001.4	1000.1
137.5°	1059.4	1059.5	1058.9	1057.7	1056.5	1055.3	1054.2
140°	1091.6	1092.1	1091.6	1090.3	1088.9	1087.6	1086.2
142.5°	1122.6	1122.7	1122.0	1120.6	1119.3	1117.9	1116.6
145°	1166.9	1167.1	1166.6	1165.1	1163.8	1162.4	1161.1
147.5°	1204.8	1205.1	1204.4	1202.7	1201.0	1199.4	1197.8
150°	1229.1	1229.5	1228.8	1227.0	1225.2	1223.4	1221.5
152.5°	1250.5	1250.9	1250.3	1248.6	1247.1	1245.4	1243.7
155°	1280.0	1280.7	1280.2	1278.3	1276.5	1274.7	1272.9
157.5°	1304.4	1305.1	1304.6	1302.7	1300.9	1299.1	1297.3
160°	1319.7	1320.6	1320.2	1318.3	1316.5	1314.7	1312.9
162.5°	1334.0	1335.2	1334.8	1332.8	1330.8	1328.8	1326.8
165°	1351.9	1353.2	1353.0	1351.1	1349.3	1347.5	1345.7
167.5°	1365.6	1367.2	1367.0	1364.9	1362.9	1360.9	1358.8
170°	1372.7	1374.5	1374.4	1372.4	1370.3	1368.3	1366.2
172.5°	1377.9	1379.5	1379.3	1377.3	1375.2	1373.2	1371.1
175°	1383.9	1385.8	1385.7	1383.6	1381.6	1379.5	1377.4
177.5°	1385.8	1387.1	1387.0	1385.5	1384.1	1382.6	1381.2
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6

(END OF REPORT)