

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: P333382-935

Luminaire Tested: **S125DIW-S610D1050U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333382-935  
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-S610D1050U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5784.2 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

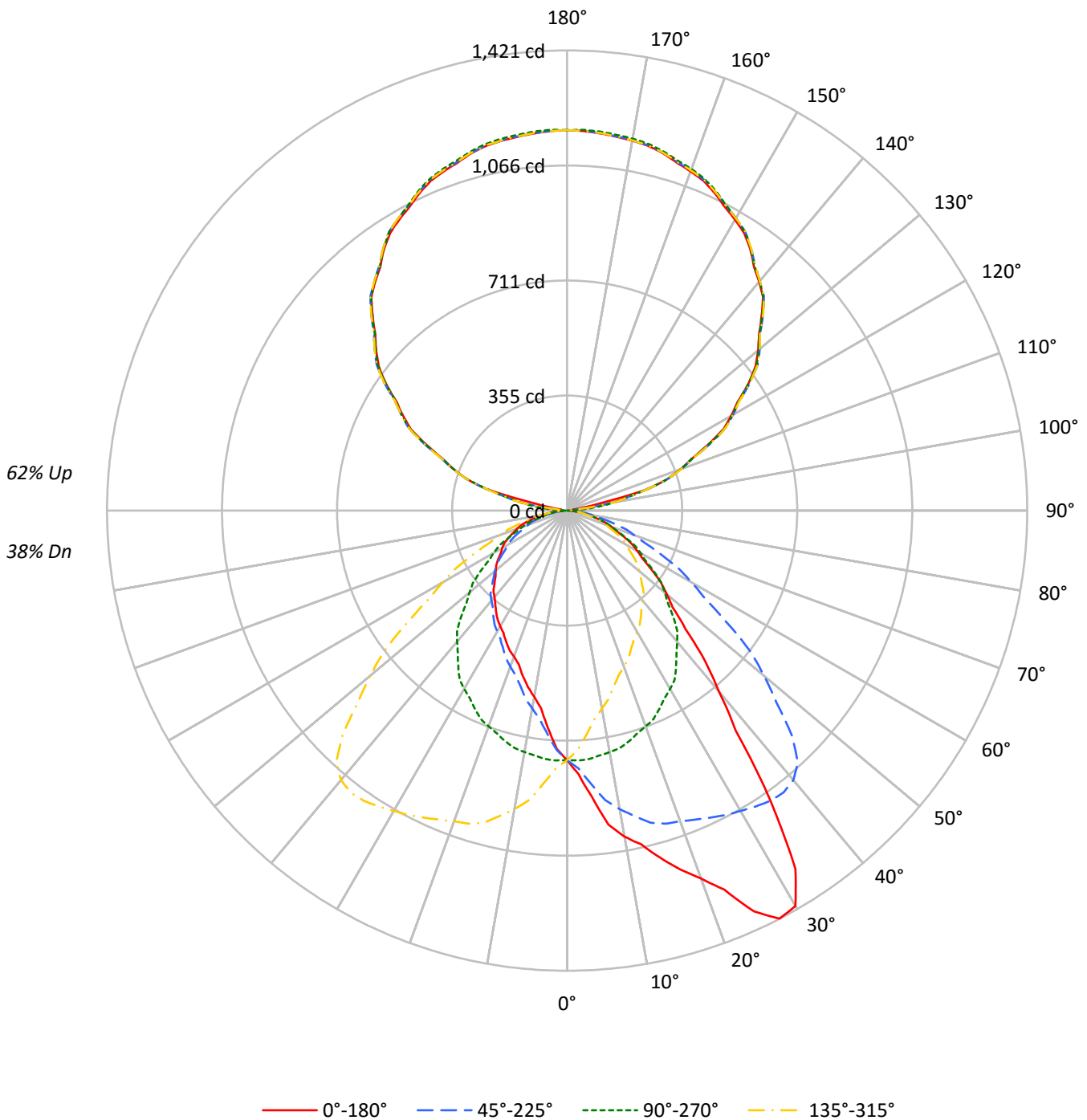
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38				
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32				
2	87	80	74	69	78	72	67	63	59	55	52	47	44	42	35	34	32	27				
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	28	23				
4	72	62	54	48	65	57	50	45	46	42	38	37	33	31	28	26	24	20				
5	66	55	47	41	60	50	44	38	41	36	32	33	29	27	25	23	21	17				
6	61	49	42	36	55	45	38	33	37	32	28	30	26	23	23	20	18	15				
7	57	45	37	31	51	41	34	29	34	29	25	27	23	21	21	18	16	14				
8	52	40	33	28	47	37	30	26	31	26	22	25	21	18	19	17	15	12				
9	49	37	29	25	44	34	27	23	28	23	20	23	19	16	18	15	13	11				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	4977	4977	4977	4977
5°	5763	4994	4372	4994
10°	6705	4968	3831	4968
15°	7422	4931	3534	4931
20°	8308	4874	3296	4874
25°	9733	4809	3180	4809
30°	10513	4744	3078	4744
35°	8643	4623	3012	4623
40°	6144	4457	2939	4457
45°	4720	4230	2898	4230
50°	4029	3950	2892	3950
55°	3587	3675	2917	3675
60°	3237	3375	2992	3375
65°	2989	3073	3069	3073
70°	2717	2761	3114	2761
75°	2400	2433	3084	2433
80°	2020	1982	2823	1982
85°	1601	1430	2275	1430



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	1.3
10°-20°	220.9	3.8
20°-30°	358.6	6.2
30°-40°	437.5	7.6
40°-50°	398.0	6.9
50°-60°	317.0	5.5
60°-70°	220.8	3.8
70°-80°	117.7	2.0
80°-90°	32.2	0.6
90°-100°	42.7	0.7
100°-110°	263.1	4.5
110°-120°	477.1	8.2
120°-130°	612.4	10.6
130°-140°	658.7	11.4
140°-150°	618.2	10.7
150°-160°	500.1	8.6
160°-170°	323.4	5.6
170°-180°	111.6	1.9
0°-30°	653.7	11.3
0°-40°	1091.2	18.9
0°-60°	1806.2	31.2
0°-90°	2176.9	37.6
90°-120°	782.9	13.5
90°-150°	2672.2	46.2
90°-180°	3607.0	62.4
0°-180°	5784.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	771	771	771	771	771	
5°	889	770	674	770	889	90
15°	1110	738	529	738	1110	318
25°	1366	675	446	675	1366	624
35°	1096	586	382	586	1096	671
45°	517	463	317	463	517	414
55°	319	326	259	326	319	287
65°	196	201	201	201	196	194
75°	96	98	124	98	96	104
85°	22	19	31	19	22	25
90°	21	1	21	1	21	10
95°	18	50	18	50	18	15
105°	259	256	259	256	259	234
115°	477	481	477	481	477	474
125°	684	684	684	684	684	608
135°	849	852	849	852	849	655
145°	986	988	986	988	986	616
155°	1081	1088	1081	1088	1081	498
165°	1142	1149	1142	1149	1142	322
175°	1170	1175	1170	1175	1170	111
180°	1175	1175	1175	1175	1175	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	815.1	814.0	813.0	810.9	812.4	808.0	805.9	802.3	797.8	796.3	794.4
5°	889.0	890.6	892.3	885.4	886.1	881.5	871.0	862.5	855.7	846.8	840.6
7.5°	977.9	974.0	973.8	969.3	961.7	955.5	944.5	930.5	917.0	901.6	888.8
10°	1022.4	1022.8	1019.9	1014.6	1006.4	1000.5	986.1	972.4	955.7	936.1	922.0
12.5°	1055.9	1057.3	1053.6	1046.5	1042.5	1029.3	1018.0	1001.7	981.9	966.2	944.8
15°	1110.1	1106.5	1103.9	1095.0	1088.1	1074.4	1056.4	1039.4	1017.9	997.9	977.9
17.5°	1162.3	1165.2	1160.3	1152.2	1130.9	1114.8	1090.7	1067.5	1040.5	1013.8	990.0
20°	1208.8	1211.5	1203.9	1189.9	1164.4	1148.3	1116.6	1086.5	1055.5	1021.1	995.0
22.5°	1267.0	1264.9	1254.7	1233.3	1211.3	1181.6	1147.3	1110.6	1071.7	1032.9	998.1
25°	1365.9	1352.1	1345.9	1319.4	1290.3	1246.8	1199.7	1146.1	1097.7	1046.3	1001.9
27.5°	1420.6	1416.3	1409.5	1390.9	1360.4	1313.9	1258.4	1193.0	1124.6	1059.9	1001.6
30°	1409.7	1410.3	1411.0	1405.1	1385.5	1350.5	1295.2	1224.9	1143.8	1070.8	1003.5
32.5°	1312.3	1324.2	1335.7	1349.1	1354.6	1347.9	1313.3	1249.7	1166.3	1083.4	1002.4
35°	1096.3	1099.9	1137.0	1173.5	1223.2	1261.9	1287.7	1259.6	1189.2	1094.1	1001.2
37.5°	854.8	872.5	898.1	939.5	1011.2	1075.5	1158.1	1196.1	1173.4	1097.5	998.8
40°	728.8	745.1	761.7	803.9	864.4	942.3	1036.1	1116.3	1135.0	1086.5	991.0
42.5°	631.4	644.4	662.9	694.6	745.1	814.1	903.8	1008.5	1072.9	1054.6	974.6
45°	516.8	525.0	539.3	564.6	601.2	655.1	734.3	848.8	948.5	981.5	935.4
47.5°	442.3	442.3	453.5	470.9	497.3	543.1	601.7	691.4	797.9	876.8	873.1
50°	401.0	399.3	408.2	423.3	444.2	474.6	530.5	602.2	704.6	793.8	818.6
52.5°	365.4	365.6	371.0	382.1	399.7	425.7	467.4	532.0	619.5	711.1	757.9
55°	318.6	317.3	323.5	331.0	343.8	360.8	390.9	440.2	511.2	601.5	662.3
57.5°	275.7	279.2	281.7	287.0	297.6	308.9	334.3	370.6	426.9	504.4	568.7
60°	250.6	254.2	256.1	261.3	269.8	279.7	299.3	328.7	376.2	442.9	506.6
62.5°	228.0	230.8	231.5	236.2	243.1	252.7	268.1	292.8	330.4	388.7	451.2
65°	195.6	195.6	196.9	201.8	205.1	213.6	225.3	243.3	273.5	318.9	372.2
67.5°	164.3	165.9	165.6	167.7	170.7	177.4	185.8	200.6	222.9	256.1	298.8
70°	143.9	145.3	144.9	146.5	149.8	154.0	160.9	175.0	191.0	219.5	256.1
72.5°	125.6	126.1	125.3	127.4	129.4	133.1	140.8	148.3	163.2	187.3	217.4
75°	96.2	96.8	97.5	98.8	100.7	102.7	106.6	114.2	124.0	142.0	161.3
77.5°	72.1	70.9	72.4	72.2	73.4	74.8	78.3	82.3	90.3	101.7	116.7
80°	54.3	54.6	54.6	54.9	56.6	57.6	60.5	63.5	69.7	78.2	88.6
82.5°	39.6	40.5	40.0	40.6	41.9	42.6	44.3	46.7	50.3	57.0	64.6
85°	21.6	20.0	20.6	21.3	21.3	21.6	22.9	23.8	25.8	28.4	31.4
87.5°	10.4	10.8	11.0	10.9	11.0	10.8	11.7	11.5	12.1	12.7	13.5
90°	20.9	20.3	19.7	19.2	18.6	17.8	16.9	15.8	14.9	13.9	12.6
92.5°	19.5	19.2	18.9	18.7	18.4	17.8	16.9	15.8	14.9	13.9	12.7
95°	18.3	18.3	18.3	18.3	18.3	17.8	16.9	15.8	14.9	13.9	21.3
97.5°	18.3	18.3	18.3	18.3	18.3	21.0	26.4	31.9	37.4	42.9	57.4
100°	18.3	19.0	19.8	20.6	21.4	36.2	65.0	93.8	122.7	151.5	150.8
102.5°	109.5	122.7	135.9	149.0	162.2	171.5	176.9	182.4	187.9	193.3	192.9
105°	258.6	258.8	259.0	259.2	259.4	259.5	259.5	259.5	259.5	259.5	259.5
107.5°	326.1	326.6	327.2	327.8	328.4	328.6	328.6	328.6	328.5	328.5	328.0
110°	372.7	372.5	372.3	372.1	372.0	372.1	372.7	373.2	373.8	374.4	374.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	414.5	414.7	415.0	415.3	415.6	416.1	416.8	417.6	418.3	419.0	418.8
115°	477.2	478.4	479.5	480.7	481.8	482.8	483.5	484.3	485.1	485.9	485.7
117.5°	544.1	544.6	545.1	545.6	546.0	546.8	547.9	548.9	549.8	550.9	550.1
120°	585.1	586.2	587.1	588.1	589.0	589.7	590.1	590.5	590.9	591.2	590.6
122.5°	624.2	625.3	626.5	627.6	628.7	629.4	629.8	630.2	630.6	630.9	630.7
125°	683.5	684.2	684.8	685.4	685.9	686.6	687.3	688.1	688.9	689.7	689.7
127.5°	733.6	734.9	736.4	737.9	739.3	740.2	740.6	741.1	741.5	741.9	742.0
130°	769.8	770.8	771.7	772.7	773.6	774.4	775.0	775.6	776.2	776.7	776.5
132.5°	803.2	804.2	805.1	806.2	807.1	807.6	807.7	807.9	808.0	808.1	808.5
135°	849.0	850.2	851.4	852.5	853.7	854.5	854.8	855.2	855.6	856.0	856.4
137.5°	895.0	896.0	897.0	898.0	899.1	899.5	899.4	899.3	899.2	899.1	899.5
140°	922.1	923.3	924.5	925.7	926.8	927.2	926.8	926.4	926.0	925.7	925.8
142.5°	948.0	949.1	950.3	951.4	952.6	953.1	953.0	953.0	952.9	952.8	952.5
145°	985.8	986.9	988.1	989.2	990.4	990.8	990.7	990.5	990.3	990.1	990.1
147.5°	1016.9	1018.3	1019.7	1021.1	1022.5	1023.0	1022.9	1022.6	1022.4	1022.1	1021.9
150°	1037.1	1038.6	1040.2	1041.7	1043.3	1043.9	1043.5	1043.1	1042.8	1042.3	1042.0
152.5°	1055.9	1057.3	1058.7	1060.1	1061.5	1062.0	1061.6	1061.2	1060.8	1060.4	1060.1
155°	1080.6	1082.2	1083.7	1085.3	1086.8	1087.4	1086.8	1086.2	1085.5	1085.0	1084.6
157.5°	1101.4	1102.9	1104.5	1106.0	1107.6	1108.0	1107.4	1106.8	1106.2	1105.5	1105.5
160°	1114.7	1116.2	1117.8	1119.3	1120.8	1121.2	1120.4	1119.6	1118.9	1118.1	1117.9
162.5°	1126.4	1128.2	1129.9	1131.5	1133.2	1133.6	1132.5	1131.4	1130.3	1129.2	1129.0
165°	1142.5	1144.0	1145.6	1147.1	1148.7	1148.8	1147.7	1146.5	1145.4	1144.2	1144.0
167.5°	1153.7	1155.4	1157.1	1158.8	1160.6	1160.8	1159.3	1158.0	1156.6	1155.2	1155.0
170°	1159.9	1161.7	1163.4	1165.1	1166.8	1167.0	1165.4	1163.9	1162.4	1160.8	1160.5
172.5°	1164.1	1165.8	1167.5	1169.3	1171.0	1171.2	1169.8	1168.5	1167.0	1165.6	1165.3
175°	1169.5	1171.2	1172.9	1174.7	1176.5	1176.6	1175.0	1173.5	1171.9	1170.4	1170.2
177.5°	1172.6	1173.9	1175.1	1176.3	1177.6	1177.7	1176.6	1175.4	1174.4	1173.3	1173.1
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	792.8	791.0	788.9	785.2	780.8	778.4	774.8	772.4	767.7	763.8	759.6
5°	833.0	824.6	816.7	806.6	795.5	788.2	779.7	770.3	760.4	750.3	739.2
7.5°	874.7	859.7	843.3	825.7	808.6	792.7	777.6	762.8	748.9	732.1	717.9
10°	902.8	883.7	863.5	839.6	816.4	796.1	775.5	757.5	739.2	719.5	702.2
12.5°	930.7	905.4	876.8	850.6	822.7	798.2	774.0	751.0	728.0	706.2	686.0
15°	950.5	928.2	901.7	864.4	833.0	799.4	767.3	737.5	709.7	685.5	660.0
17.5°	963.5	934.9	906.4	870.6	829.5	791.8	755.4	721.4	690.1	659.4	634.8
20°	965.9	936.4	906.6	871.7	829.5	786.3	750.0	709.1	675.4	643.7	613.5
22.5°	965.1	931.7	899.3	863.2	822.2	782.4	738.5	696.8	660.2	629.0	597.6
25°	957.7	922.0	881.5	845.2	804.6	762.4	717.9	674.8	637.5	601.8	570.8
27.5°	951.5	905.3	859.4	817.0	777.8	739.2	696.6	652.4	611.1	574.9	545.6
30°	943.9	893.2	841.5	797.4	757.2	719.5	679.3	636.2	593.0	557.7	526.2
32.5°	937.1	878.0	823.5	775.4	732.9	696.3	659.2	618.1	575.8	539.8	508.5
35°	924.0	855.7	793.2	738.8	693.4	655.8	624.7	586.4	547.5	512.8	482.8
37.5°	907.3	826.2	759.1	702.2	652.4	612.8	583.8	554.5	517.1	483.7	456.5
40°	894.2	805.3	734.3	676.1	624.4	583.2	556.4	528.6	497.5	466.4	437.6
42.5°	877.7	786.4	709.1	646.5	595.4	555.2	527.0	503.4	476.0	447.0	420.3
45°	847.5	752.3	668.6	601.2	549.5	509.9	480.8	463.1	442.6	415.1	392.5
47.5°	802.9	711.3	624.7	555.1	501.8	465.1	437.8	420.9	406.4	386.0	365.5
50°	763.4	680.6	593.0	524.0	470.6	433.7	408.5	393.1	380.7	365.0	347.7
52.5°	719.2	642.1	561.9	493.6	440.8	404.4	379.7	366.2	355.9	344.6	327.5
55°	648.9	583.5	508.9	444.2	395.5	359.8	338.2	326.4	317.9	309.4	298.9
57.5°	571.5	520.4	454.3	395.1	350.3	317.8	297.6	286.2	279.6	275.2	269.1
60°	517.1	473.3	416.4	362.4	318.6	289.8	270.2	261.3	255.8	252.2	247.6
62.5°	466.6	430.6	377.9	328.6	290.3	263.1	245.6	237.0	231.7	230.0	226.1
65°	392.2	364.4	320.9	280.0	247.3	224.0	209.3	201.1	197.9	195.9	196.2
67.5°	318.8	301.9	267.0	232.1	206.0	186.5	174.7	168.4	166.8	164.2	164.1
70°	274.1	261.3	231.9	201.5	178.2	163.2	152.7	146.2	144.6	143.3	142.9
72.5°	234.5	223.4	197.9	173.5	152.7	139.4	130.8	126.8	124.2	123.4	123.3
75°	176.3	170.0	149.8	130.5	116.1	106.9	101.1	97.5	95.5	95.1	95.5
77.5°	125.4	119.9	107.0	93.3	84.3	77.3	72.3	71.1	68.9	69.0	68.6
80°	94.2	90.6	82.4	71.6	64.1	58.2	55.6	53.3	52.7	51.7	52.7
82.5°	68.3	64.4	58.9	52.0	45.8	42.3	39.6	38.9	38.5	38.1	38.2
85°	33.7	34.0	30.7	25.5	22.9	20.9	19.3	19.3	18.9	18.7	18.9
87.5°	13.8	13.0	11.6	10.6	9.0	7.8	7.3	7.2	6.8	6.8	7.4
90°	11.2	9.9	8.5	7.1	5.5	4.0	2.4	0.9	2.4	4.0	5.5
92.5°	11.5	10.3	9.1	9.0	10.2	11.3	12.3	13.4	12.3	11.3	10.2
95°	28.7	36.0	43.3	47.4	47.9	48.5	49.1	49.6	49.1	48.5	47.9
97.5°	72.0	86.5	101.1	107.8	106.8	105.7	104.7	103.7	104.7	105.7	106.8
100°	150.0	149.2	148.4	147.7	147.1	146.5	146.0	145.4	146.0	146.5	147.1
102.5°	192.3	191.9	191.5	190.9	190.1	189.4	188.6	188.0	188.6	189.4	190.1
105°	259.5	259.5	259.5	259.1	258.3	257.5	256.8	256.0	256.8	257.5	258.3
107.5°	327.7	327.3	326.9	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7
110°	373.7	373.2	372.9	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7





TEST NUMBER: P333382-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	418.5	418.4	418.1	417.8	417.2	416.8	416.4	415.9	416.4	416.8	417.2
115°	485.5	485.3	485.1	484.6	483.5	482.6	481.6	480.7	481.6	482.6	483.5
117.5°	549.4	548.6	547.9	547.6	547.6	547.7	547.7	547.8	547.7	547.7	547.6
120°	590.1	589.5	588.9	588.8	588.9	589.1	589.4	589.5	589.4	589.1	588.9
122.5°	630.4	630.2	629.9	629.4	628.6	627.9	627.2	626.5	627.2	627.9	628.6
125°	689.7	689.7	689.7	689.0	687.6	686.3	684.9	683.5	684.9	686.3	687.6
127.5°	742.2	742.3	742.4	741.9	741.0	740.0	739.1	738.0	739.1	740.0	741.0
130°	776.4	776.2	775.9	775.4	774.4	773.4	772.5	771.5	772.5	773.4	774.4
132.5°	808.9	809.3	809.8	809.4	808.3	807.2	806.1	804.9	806.1	807.2	808.3
135°	856.8	857.1	857.6	857.1	856.0	854.8	853.7	852.5	853.7	854.8	856.0
137.5°	899.9	900.3	900.6	900.3	899.2	898.2	897.2	896.2	897.2	898.2	899.2
140°	926.0	926.3	926.4	926.3	925.9	925.6	925.1	924.8	925.1	925.6	925.9
142.5°	952.3	952.0	951.7	951.5	951.2	951.1	950.8	950.5	950.8	951.1	951.2
145°	990.1	990.1	990.1	989.9	989.5	989.1	988.8	988.3	988.8	989.1	989.5
147.5°	1021.7	1021.4	1021.2	1021.1	1021.2	1021.3	1021.4	1021.4	1021.4	1021.3	1021.2
150°	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.0	1041.6	1041.2
152.5°	1059.7	1059.3	1058.9	1059.1	1060.0	1060.8	1061.7	1062.6	1061.7	1060.8	1060.0
155°	1084.3	1083.8	1083.5	1083.8	1085.0	1086.2	1087.4	1088.5	1087.4	1086.2	1085.0
157.5°	1105.4	1105.4	1105.4	1105.7	1106.5	1107.2	1107.8	1108.5	1107.8	1107.2	1106.5
160°	1117.8	1117.5	1117.3	1117.8	1119.0	1120.2	1121.3	1122.5	1121.3	1120.2	1119.0
162.5°	1128.9	1128.7	1128.4	1128.9	1130.1	1131.3	1132.5	1133.6	1132.5	1131.3	1130.1
165°	1143.8	1143.7	1143.4	1143.9	1145.1	1146.2	1147.5	1148.6	1147.5	1146.2	1145.1
167.5°	1154.8	1154.6	1154.4	1154.9	1156.2	1157.4	1158.6	1159.7	1158.6	1157.4	1156.2
170°	1160.4	1160.2	1160.0	1160.5	1161.9	1163.3	1164.7	1166.0	1164.7	1163.3	1161.9
172.5°	1164.9	1164.6	1164.2	1164.8	1166.1	1167.4	1168.8	1170.2	1168.8	1167.4	1166.1
175°	1169.9	1169.8	1169.6	1170.0	1171.2	1172.3	1173.5	1174.7	1173.5	1172.3	1171.2
177.5°	1173.0	1172.9	1172.7	1173.1	1174.0	1174.9	1175.9	1176.8	1175.9	1174.9	1174.0
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333382-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	757.2	754.3	752.0	746.7	743.9	739.9	736.8	740.2	736.6	738.1	735.8
5°	733.7	724.4	717.9	708.4	700.3	692.8	687.2	686.2	683.5	682.3	678.4
7.5°	705.2	693.8	682.5	670.1	659.6	649.0	642.1	636.5	632.8	627.9	624.6
10°	688.5	673.1	660.0	645.0	631.9	620.4	611.3	606.7	602.4	596.2	594.0
12.5°	667.8	651.9	635.9	619.8	607.3	594.5	586.7	579.8	576.9	569.8	569.1
15°	643.0	619.1	603.5	587.1	569.7	559.3	552.8	545.3	542.0	537.1	533.5
17.5°	613.5	592.1	572.5	555.6	540.7	531.9	523.7	518.6	513.0	509.8	503.9
20°	592.0	571.7	552.1	534.1	522.6	512.6	506.0	501.1	495.2	493.5	487.7
22.5°	573.9	551.6	532.7	517.6	505.1	493.7	486.6	483.3	479.2	474.2	473.0
25°	544.6	521.3	505.3	490.3	479.1	468.7	463.8	459.5	455.6	452.0	450.7
27.5°	519.2	498.4	479.4	465.8	456.2	446.6	442.3	437.1	434.2	431.4	427.8
30°	501.4	480.2	463.5	450.4	439.9	431.4	426.8	423.3	420.6	418.0	416.0
32.5°	483.1	463.4	447.2	434.5	424.0	417.6	413.5	411.0	408.0	404.9	402.4
35°	458.9	437.3	421.6	410.4	402.3	397.4	392.8	390.5	387.3	387.3	384.6
37.5°	431.6	412.9	399.1	388.9	381.6	377.2	372.3	370.7	368.6	367.2	366.4
40°	415.3	398.0	385.0	374.8	367.0	363.3	359.5	356.8	355.5	353.9	353.3
42.5°	398.6	382.1	369.5	360.2	353.4	350.3	346.6	344.8	342.2	340.0	339.7
45°	373.2	357.1	345.7	338.2	332.3	328.7	326.4	322.5	321.2	318.6	318.2
47.5°	349.0	333.6	322.4	316.2	311.1	308.2	304.5	300.7	299.1	297.8	297.7
50°	331.0	316.9	306.4	300.6	295.7	291.4	287.8	285.2	284.2	284.2	284.9
52.5°	312.7	300.7	291.8	284.6	280.0	275.4	272.2	270.5	269.1	270.6	271.8
55°	285.9	273.8	267.3	260.4	255.8	250.6	248.9	248.2	247.3	249.9	251.2
57.5°	257.4	249.0	241.3	234.5	230.4	227.4	225.2	224.8	226.6	227.8	232.1
60°	239.4	229.6	222.7	217.5	212.6	210.6	210.0	209.3	210.6	214.2	219.8
62.5°	219.6	211.5	204.1	200.3	196.7	193.4	193.2	193.6	196.2	200.4	206.0
65°	190.4	183.5	178.6	174.0	171.1	169.1	169.8	171.1	174.0	179.6	185.8
67.5°	160.7	156.0	151.6	147.9	145.1	145.1	145.8	147.7	151.2	157.6	163.2
70°	141.6	136.4	132.8	131.1	128.9	127.6	129.5	132.8	135.7	141.6	146.5
72.5°	122.5	118.0	115.3	114.2	113.1	112.1	112.8	116.3	120.3	126.2	131.9
75°	94.2	92.6	90.6	89.3	88.3	88.9	89.6	92.9	96.2	102.4	108.9
77.5°	68.8	67.1	65.9	65.5	65.0	65.3	67.2	69.6	72.8	77.3	82.3
80°	52.0	51.3	50.7	50.4	50.4	50.7	53.3	54.9	57.9	62.2	66.0
82.5°	37.9	37.5	37.4	37.3	37.5	37.6	39.2	41.3	43.7	47.0	50.4
85°	20.0	19.3	20.3	20.6	20.0	20.9	21.6	22.9	23.8	25.5	27.1
87.5°	7.9	8.8	8.8	9.3	9.6	10.3	10.3	11.5	12.2	13.0	12.9
90°	7.1	8.5	9.9	11.2	12.6	13.9	14.9	15.8	16.9	17.8	18.6
92.5°	9.0	9.1	10.3	11.5	12.7	13.9	14.9	15.8	16.9	17.8	18.4
95°	47.4	43.3	36.0	28.7	21.3	13.9	14.9	15.8	16.9	17.8	18.3
97.5°	107.8	101.1	86.5	72.0	57.4	42.9	37.4	31.9	26.4	21.0	18.3
100°	147.7	148.4	149.2	150.0	150.8	151.5	122.7	93.8	65.0	36.2	21.4
102.5°	190.9	191.5	191.9	192.3	192.9	193.3	187.9	182.4	176.9	171.5	162.2
105°	259.1	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.4
107.5°	326.7	326.9	327.3	327.7	328.0	328.5	328.5	328.6	328.6	328.6	328.4
110°	372.7	372.9	373.2	373.7	374.0	374.4	373.8	373.2	372.7	372.1	372.0



TEST NUMBER: P333382-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	417.8	418.1	418.4	418.5	418.8	419.0	418.3	417.6	416.8	416.1	415.6
115°	484.6	485.1	485.3	485.5	485.7	485.9	485.1	484.3	483.5	482.8	481.8
117.5°	547.6	547.9	548.6	549.4	550.1	550.9	549.8	548.9	547.9	546.8	546.0
120°	588.8	588.9	589.5	590.1	590.6	591.2	590.9	590.5	590.1	589.7	589.0
122.5°	629.4	629.9	630.2	630.4	630.7	630.9	630.6	630.2	629.8	629.4	628.7
125°	689.0	689.7	689.7	689.7	689.7	689.7	688.9	688.1	687.3	686.6	685.9
127.5°	741.9	742.4	742.3	742.2	742.0	741.9	741.5	741.1	740.6	740.2	739.3
130°	775.4	775.9	776.2	776.4	776.5	776.7	776.2	775.6	775.0	774.4	773.6
132.5°	809.4	809.8	809.3	808.9	808.5	808.1	808.0	807.9	807.7	807.6	807.1
135°	857.1	857.6	857.1	856.8	856.4	856.0	855.6	855.2	854.8	854.5	853.7
137.5°	900.3	900.6	900.3	899.9	899.5	899.1	899.2	899.3	899.4	899.5	899.1
140°	926.3	926.4	926.3	926.0	925.8	925.7	926.0	926.4	926.8	927.2	926.8
142.5°	951.5	951.7	952.0	952.3	952.5	952.8	952.9	953.0	953.0	953.1	952.6
145°	989.9	990.1	990.1	990.1	990.1	990.1	990.3	990.5	990.7	990.8	990.4
147.5°	1021.1	1021.2	1021.4	1021.7	1021.9	1022.1	1022.4	1022.6	1022.9	1023.0	1022.5
150°	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.8	1043.1	1043.5	1043.9	1043.3
152.5°	1059.1	1058.9	1059.3	1059.7	1060.1	1060.4	1060.8	1061.2	1061.6	1062.0	1061.5
155°	1083.8	1083.5	1083.8	1084.3	1084.6	1085.0	1085.5	1086.2	1086.8	1087.4	1086.8
157.5°	1105.7	1105.4	1105.4	1105.4	1105.5	1105.5	1106.2	1106.8	1107.4	1108.0	1107.6
160°	1117.8	1117.3	1117.5	1117.8	1117.9	1118.1	1118.9	1119.6	1120.4	1121.2	1120.8
162.5°	1128.9	1128.4	1128.7	1128.9	1129.0	1129.2	1130.3	1131.4	1132.5	1133.6	1133.2
165°	1143.9	1143.4	1143.7	1143.8	1144.0	1144.2	1145.4	1146.5	1147.7	1148.8	1148.7
167.5°	1154.9	1154.4	1154.6	1154.8	1155.0	1155.2	1156.6	1158.0	1159.3	1160.8	1160.6
170°	1160.5	1160.0	1160.2	1160.4	1160.5	1160.8	1162.4	1163.9	1165.4	1167.0	1166.8
172.5°	1164.8	1164.2	1164.6	1164.9	1165.3	1165.6	1167.0	1168.5	1169.8	1171.2	1171.0
175°	1170.0	1169.6	1169.8	1169.9	1170.2	1170.4	1171.9	1173.5	1175.0	1176.6	1176.5
177.5°	1173.1	1172.7	1172.9	1173.0	1173.1	1173.3	1174.4	1175.4	1176.6	1177.7	1177.6
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333382-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	734.2	736.1	734.5	736.6	734.5	736.1	734.2	735.8	738.1	736.6	740.2
5°	676.7	673.7	675.7	674.4	675.7	673.7	676.7	678.4	682.3	683.5	686.2
7.5°	623.6	620.8	617.6	616.0	617.6	620.8	623.6	624.6	627.9	632.8	636.5
10°	590.4	586.8	586.4	584.2	586.4	586.8	590.4	594.0	596.2	602.4	606.7
12.5°	566.0	562.7	559.0	558.0	559.0	562.7	566.0	569.1	569.8	576.9	579.8
15°	531.5	528.9	526.6	528.6	526.6	528.9	531.5	533.5	537.1	542.0	545.3
17.5°	502.7	500.6	500.2	497.8	500.2	500.6	502.7	503.9	509.8	513.0	518.6
20°	484.7	483.1	483.7	479.5	483.7	483.1	484.7	487.7	493.5	495.2	501.1
22.5°	470.4	467.1	466.7	465.9	466.7	467.1	470.4	473.0	474.2	479.2	483.3
25°	447.8	446.2	444.5	446.2	444.5	446.2	447.8	450.7	452.0	455.6	459.5
27.5°	428.1	426.1	425.7	425.9	425.7	426.1	428.1	427.8	431.4	434.2	437.1
30°	416.0	412.8	413.1	412.8	413.1	412.8	416.0	416.0	418.0	420.6	423.3
32.5°	402.9	400.7	400.3	399.7	400.3	400.7	402.9	402.4	404.9	408.0	411.0
35°	383.7	383.7	382.0	382.0	382.0	383.7	383.7	384.6	387.3	387.3	390.5
37.5°	365.5	365.2	364.2	364.4	364.2	365.2	365.5	366.4	367.2	368.6	370.7
40°	351.9	351.6	350.6	348.6	350.6	351.6	351.9	353.3	353.9	355.5	356.8
42.5°	338.9	337.8	337.3	336.7	337.3	337.8	338.9	339.7	340.0	342.2	344.8
45°	318.2	318.2	317.6	317.3	317.6	318.2	318.2	318.2	318.6	321.2	322.5
47.5°	298.3	298.9	300.1	299.9	300.1	298.9	298.3	297.7	297.8	299.1	300.7
50°	286.2	286.5	287.5	287.8	287.5	286.5	286.2	284.9	284.2	284.2	285.2
52.5°	272.9	274.7	276.0	275.8	276.0	274.7	272.9	271.8	270.6	269.1	270.5
55°	254.2	256.4	258.7	259.1	258.7	256.4	254.2	251.2	249.9	247.3	248.2
57.5°	235.7	238.8	241.3	242.0	241.3	238.8	235.7	232.1	227.8	226.6	224.8
60°	223.1	227.3	230.2	231.6	230.2	227.3	223.1	219.8	214.2	210.6	209.3
62.5°	211.0	215.8	218.8	219.0	218.8	215.8	211.0	206.0	200.4	196.2	193.6
65°	191.3	196.2	198.9	200.8	198.9	196.2	191.3	185.8	179.6	174.0	171.1
67.5°	170.1	175.0	178.0	179.5	178.0	175.0	170.1	163.2	157.6	151.2	147.7
70°	154.7	159.6	163.5	164.9	163.5	159.6	154.7	146.5	141.6	135.7	132.8
72.5°	139.6	143.9	147.1	148.6	147.1	143.9	139.6	131.9	126.2	120.3	116.3
75°	113.1	119.1	122.0	123.6	122.0	119.1	113.1	108.9	102.4	96.2	92.9
77.5°	87.3	92.6	94.4	95.2	94.4	92.6	87.3	82.3	77.3	72.8	69.6
80°	70.0	73.3	75.6	75.9	75.6	73.3	70.0	66.0	62.2	57.9	54.9
82.5°	53.8	56.5	57.3	58.1	57.3	56.5	53.8	50.4	47.0	43.7	41.3
85°	29.4	30.7	31.1	30.7	31.1	30.7	29.4	27.1	25.5	23.8	22.9
87.5°	13.5	13.3	13.5	14.1	13.5	13.3	13.5	12.9	13.0	12.2	11.5
90°	19.2	19.7	20.3	20.9	20.3	19.7	19.2	18.6	17.8	16.9	15.8
92.5°	18.7	18.9	19.2	19.5	19.2	18.9	18.7	18.4	17.8	16.9	15.8
95°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	17.8	16.9	15.8
97.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	21.0	26.4	31.9
100°	20.6	19.8	19.0	18.3	19.0	19.8	20.6	21.4	36.2	65.0	93.8
102.5°	149.0	135.9	122.7	109.5	122.7	135.9	149.0	162.2	171.5	176.9	182.4
105°	259.2	259.0	258.8	258.6	258.8	259.0	259.2	259.4	259.5	259.5	259.5
107.5°	327.8	327.2	326.6	326.1	326.6	327.2	327.8	328.4	328.6	328.6	328.6
110°	372.1	372.3	372.5	372.7	372.5	372.3	372.1	372.0	372.1	372.7	373.2



TEST NUMBER: P333382-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	415.3	415.0	414.7	414.5	414.7	415.0	415.3	415.6	416.1	416.8	417.6
115°	480.7	479.5	478.4	477.2	478.4	479.5	480.7	481.8	482.8	483.5	484.3
117.5°	545.6	545.1	544.6	544.1	544.6	545.1	545.6	546.0	546.8	547.9	548.9
120°	588.1	587.1	586.2	585.1	586.2	587.1	588.1	589.0	589.7	590.1	590.5
122.5°	627.6	626.5	625.3	624.2	625.3	626.5	627.6	628.7	629.4	629.8	630.2
125°	685.4	684.8	684.2	683.5	684.2	684.8	685.4	685.9	686.6	687.3	688.1
127.5°	737.9	736.4	734.9	733.6	734.9	736.4	737.9	739.3	740.2	740.6	741.1
130°	772.7	771.7	770.8	769.8	770.8	771.7	772.7	773.6	774.4	775.0	775.6
132.5°	806.2	805.1	804.2	803.2	804.2	805.1	806.2	807.1	807.6	807.7	807.9
135°	852.5	851.4	850.2	849.0	850.2	851.4	852.5	853.7	854.5	854.8	855.2
137.5°	898.0	897.0	896.0	895.0	896.0	897.0	898.0	899.1	899.5	899.4	899.3
140°	925.7	924.5	923.3	922.1	923.3	924.5	925.7	926.8	927.2	926.8	926.4
142.5°	951.4	950.3	949.1	948.0	949.1	950.3	951.4	952.6	953.1	953.0	953.0
145°	989.2	988.1	986.9	985.8	986.9	988.1	989.2	990.4	990.8	990.7	990.5
147.5°	1021.1	1019.7	1018.3	1016.9	1018.3	1019.7	1021.1	1022.5	1023.0	1022.9	1022.6
150°	1041.7	1040.2	1038.6	1037.1	1038.6	1040.2	1041.7	1043.3	1043.9	1043.5	1043.1
152.5°	1060.1	1058.7	1057.3	1055.9	1057.3	1058.7	1060.1	1061.5	1062.0	1061.6	1061.2
155°	1085.3	1083.7	1082.2	1080.6	1082.2	1083.7	1085.3	1086.8	1087.4	1086.8	1086.2
157.5°	1106.0	1104.5	1102.9	1101.4	1102.9	1104.5	1106.0	1107.6	1108.0	1107.4	1106.8
160°	1119.3	1117.8	1116.2	1114.7	1116.2	1117.8	1119.3	1120.8	1121.2	1120.4	1119.6
162.5°	1131.5	1129.9	1128.2	1126.4	1128.2	1129.9	1131.5	1133.2	1133.6	1132.5	1131.4
165°	1147.1	1145.6	1144.0	1142.5	1144.0	1145.6	1147.1	1148.7	1148.8	1147.7	1146.5
167.5°	1158.8	1157.1	1155.4	1153.7	1155.4	1157.1	1158.8	1160.6	1160.8	1159.3	1158.0
170°	1165.1	1163.4	1161.7	1159.9	1161.7	1163.4	1165.1	1166.8	1167.0	1165.4	1163.9
172.5°	1169.3	1167.5	1165.8	1164.1	1165.8	1167.5	1169.3	1171.0	1171.2	1169.8	1168.5
175°	1174.7	1172.9	1171.2	1169.5	1171.2	1172.9	1174.7	1176.5	1176.6	1175.0	1173.5
177.5°	1176.3	1175.1	1173.9	1172.6	1173.9	1175.1	1176.3	1177.6	1177.7	1176.6	1175.4
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333382-935

CATALOG NUMBER: S125DIW-S610D1050U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	736.8	739.9	743.9	746.7	752.0	754.3	757.2	759.6	763.8	767.7	772.4
5°	687.2	692.8	700.3	708.4	717.9	724.4	733.7	739.2	750.3	760.4	770.3
7.5°	642.1	649.0	659.6	670.1	682.5	693.8	705.2	717.9	732.1	748.9	762.8
10°	611.3	620.4	631.9	645.0	660.0	673.1	688.5	702.2	719.5	739.2	757.5
12.5°	586.7	594.5	607.3	619.8	635.9	651.9	667.8	686.0	706.2	728.0	751.0
15°	552.8	559.3	569.7	587.1	603.5	619.1	643.0	660.0	685.5	709.7	737.5
17.5°	523.7	531.9	540.7	555.6	572.5	592.1	613.5	634.8	659.4	690.1	721.4
20°	506.0	512.6	522.6	534.1	552.1	571.7	592.0	613.5	643.7	675.4	709.1
22.5°	486.6	493.7	505.1	517.6	532.7	551.6	573.9	597.6	629.0	660.2	696.8
25°	463.8	468.7	479.1	490.3	505.3	521.3	544.6	570.8	601.8	637.5	674.8
27.5°	442.3	446.6	456.2	465.8	479.4	498.4	519.2	545.6	574.9	611.1	652.4
30°	426.8	431.4	439.9	450.4	463.5	480.2	501.4	526.2	557.7	593.0	636.2
32.5°	413.5	417.6	424.0	434.5	447.2	463.4	483.1	508.5	539.8	575.8	618.1
35°	392.8	397.4	402.3	410.4	421.6	437.3	458.9	482.8	512.8	547.5	586.4
37.5°	372.3	377.2	381.6	388.9	399.1	412.9	431.6	456.5	483.7	517.1	554.5
40°	359.5	363.3	367.0	374.8	385.0	398.0	415.3	437.6	466.4	497.5	528.6
42.5°	346.6	350.3	353.4	360.2	369.5	382.1	398.6	420.3	447.0	476.0	503.4
45°	326.4	328.7	332.3	338.2	345.7	357.1	373.2	392.5	415.1	442.6	463.1
47.5°	304.5	308.2	311.1	316.2	322.4	333.6	349.0	365.5	386.0	406.4	420.9
50°	287.8	291.4	295.7	300.6	306.4	316.9	331.0	347.7	365.0	380.7	393.1
52.5°	272.2	275.4	280.0	284.6	291.8	300.7	312.7	327.5	344.6	355.9	366.2
55°	248.9	250.6	255.8	260.4	267.3	273.8	285.9	298.9	309.4	317.9	326.4
57.5°	225.2	227.4	230.4	234.5	241.3	249.0	257.4	269.1	275.2	279.6	286.2
60°	210.0	210.6	212.6	217.5	222.7	229.6	239.4	247.6	252.2	255.8	261.3
62.5°	193.2	193.4	196.7	200.3	204.1	211.5	219.6	226.1	230.0	231.7	237.0
65°	169.8	169.1	171.1	174.0	178.6	183.5	190.4	196.2	195.9	197.9	201.1
67.5°	145.8	145.1	145.1	147.9	151.6	156.0	160.7	164.1	164.2	166.8	168.4
70°	129.5	127.6	128.9	131.1	132.8	136.4	141.6	142.9	143.3	144.6	146.2
72.5°	112.8	112.1	113.1	114.2	115.3	118.0	122.5	123.3	123.4	124.2	126.8
75°	89.6	88.9	88.3	89.3	90.6	92.6	94.2	95.5	95.1	95.5	97.5
77.5°	67.2	65.3	65.0	65.5	65.9	67.1	68.8	68.6	69.0	68.9	71.1
80°	53.3	50.7	50.4	50.4	50.7	51.3	52.0	52.7	51.7	52.7	53.3
82.5°	39.2	37.6	37.5	37.3	37.4	37.5	37.9	38.2	38.1	38.5	38.9
85°	21.6	20.9	20.0	20.6	20.3	19.3	20.0	18.9	18.7	18.9	19.3
87.5°	10.3	10.3	9.6	9.3	8.8	8.8	7.9	7.4	6.8	6.8	7.2
90°	14.9	13.9	12.6	11.2	9.9	8.5	7.1	5.5	4.0	2.4	0.9
92.5°	14.9	13.9	12.7	11.5	10.3	9.1	9.0	10.2	11.3	12.3	13.4
95°	14.9	13.9	21.3	28.7	36.0	43.3	47.4	47.9	48.5	49.1	49.6
97.5°	37.4	42.9	57.4	72.0	86.5	101.1	107.8	106.8	105.7	104.7	103.7
100°	122.7	151.5	150.8	150.0	149.2	148.4	147.7	147.1	146.5	146.0	145.4
102.5°	187.9	193.3	192.9	192.3	191.9	191.5	190.9	190.1	189.4	188.6	188.0
105°	259.5	259.5	259.5	259.5	259.5	259.5	259.1	258.3	257.5	256.8	256.0
107.5°	328.5	328.5	328.0	327.7	327.3	326.9	326.7	326.7	326.7	326.7	326.7
110°	373.8	374.4	374.0	373.7	373.2	372.9	372.7	372.7	372.7	372.7	372.7



TEST NUMBER: P333382-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	418.3	419.0	418.8	418.5	418.4	418.1	417.8	417.2	416.8	416.4	415.9
115°	485.1	485.9	485.7	485.5	485.3	485.1	484.6	483.5	482.6	481.6	480.7
117.5°	549.8	550.9	550.1	549.4	548.6	547.9	547.6	547.6	547.7	547.7	547.8
120°	590.9	591.2	590.6	590.1	589.5	588.9	588.8	588.9	589.1	589.4	589.5
122.5°	630.6	630.9	630.7	630.4	630.2	629.9	629.4	628.6	627.9	627.2	626.5
125°	688.9	689.7	689.7	689.7	689.7	689.7	689.0	687.6	686.3	684.9	683.5
127.5°	741.5	741.9	742.0	742.2	742.3	742.4	741.9	741.0	740.0	739.1	738.0
130°	776.2	776.7	776.5	776.4	776.2	775.9	775.4	774.4	773.4	772.5	771.5
132.5°	808.0	808.1	808.5	808.9	809.3	809.8	809.4	808.3	807.2	806.1	804.9
135°	855.6	856.0	856.4	856.8	857.1	857.6	857.1	856.0	854.8	853.7	852.5
137.5°	899.2	899.1	899.5	899.9	900.3	900.6	900.3	899.2	898.2	897.2	896.2
140°	926.0	925.7	925.8	926.0	926.3	926.4	926.3	925.9	925.6	925.1	924.8
142.5°	952.9	952.8	952.5	952.3	952.0	951.7	951.5	951.2	951.1	950.8	950.5
145°	990.3	990.1	990.1	990.1	990.1	990.1	989.9	989.5	989.1	988.8	988.3
147.5°	1022.4	1022.1	1021.9	1021.7	1021.4	1021.2	1021.1	1021.2	1021.3	1021.4	1021.4
150°	1042.8	1042.3	1042.0	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3
152.5°	1060.8	1060.4	1060.1	1059.7	1059.3	1058.9	1059.1	1060.0	1060.8	1061.7	1062.6
155°	1085.5	1085.0	1084.6	1084.3	1083.8	1083.5	1083.8	1085.0	1086.2	1087.4	1088.5
157.5°	1106.2	1105.5	1105.5	1105.4	1105.4	1105.4	1105.7	1106.5	1107.2	1107.8	1108.5
160°	1118.9	1118.1	1117.9	1117.8	1117.5	1117.3	1117.8	1119.0	1120.2	1121.3	1122.5
162.5°	1130.3	1129.2	1129.0	1128.9	1128.7	1128.4	1128.9	1130.1	1131.3	1132.5	1133.6
165°	1145.4	1144.2	1144.0	1143.8	1143.7	1143.4	1143.9	1145.1	1146.2	1147.5	1148.6
167.5°	1156.6	1155.2	1155.0	1154.8	1154.6	1154.4	1154.9	1156.2	1157.4	1158.6	1159.7
170°	1162.4	1160.8	1160.5	1160.4	1160.2	1160.0	1160.5	1161.9	1163.3	1164.7	1166.0
172.5°	1167.0	1165.6	1165.3	1164.9	1164.6	1164.2	1164.8	1166.1	1167.4	1168.8	1170.2
175°	1171.9	1170.4	1170.2	1169.9	1169.8	1169.6	1170.0	1171.2	1172.3	1173.5	1174.7
177.5°	1174.4	1173.3	1173.1	1173.0	1172.9	1172.7	1173.1	1174.0	1174.9	1175.9	1176.8
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333382-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	774.8	778.4	780.8	785.2	788.9	791.0	792.8	794.4	796.3	797.8	802.3
5°	779.7	788.2	795.5	806.6	816.7	824.6	833.0	840.6	846.8	855.7	862.5
7.5°	777.6	792.7	808.6	825.7	843.3	859.7	874.7	888.8	901.6	917.0	930.5
10°	775.5	796.1	816.4	839.6	863.5	883.7	902.8	922.0	936.1	955.7	972.4
12.5°	774.0	798.2	822.7	850.6	876.8	905.4	930.7	944.8	966.2	981.9	1001.7
15°	767.3	799.4	833.0	864.4	901.7	928.2	950.5	977.9	997.9	1017.9	1039.4
17.5°	755.4	791.8	829.5	870.6	906.4	934.9	963.5	990.0	1013.8	1040.5	1067.5
20°	750.0	786.3	829.5	871.7	906.6	936.4	965.9	995.0	1021.1	1055.5	1086.5
22.5°	738.5	782.4	822.2	863.2	899.3	931.7	965.1	998.1	1032.9	1071.7	1110.6
25°	717.9	762.4	804.6	845.2	881.5	922.0	957.7	1001.9	1046.3	1097.7	1146.1
27.5°	696.6	739.2	777.8	817.0	859.4	905.3	951.5	1001.6	1059.9	1124.6	1193.0
30°	679.3	719.5	757.2	797.4	841.5	893.2	943.9	1003.5	1070.8	1143.8	1224.9
32.5°	659.2	696.3	732.9	775.4	823.5	878.0	937.1	1002.4	1083.4	1166.3	1249.7
35°	624.7	655.8	693.4	738.8	793.2	855.7	924.0	1001.2	1094.1	1189.2	1259.6
37.5°	583.8	612.8	652.4	702.2	759.1	826.2	907.3	998.8	1097.5	1173.4	1196.1
40°	556.4	583.2	624.4	676.1	734.3	805.3	894.2	991.0	1086.5	1135.0	1116.3
42.5°	527.0	555.2	595.4	646.5	709.1	786.4	877.7	974.6	1054.6	1072.9	1008.5
45°	480.8	509.9	549.5	601.2	668.6	752.3	847.5	935.4	981.5	948.5	848.8
47.5°	437.8	465.1	501.8	555.1	624.7	711.3	802.9	873.1	876.8	797.9	691.4
50°	408.5	433.7	470.6	524.0	593.0	680.6	763.4	818.6	793.8	704.6	602.2
52.5°	379.7	404.4	440.8	493.6	561.9	642.1	719.2	757.9	711.1	619.5	532.0
55°	338.2	359.8	395.5	444.2	508.9	583.5	648.9	662.3	601.5	511.2	440.2
57.5°	297.6	317.8	350.3	395.1	454.3	520.4	571.5	568.7	504.4	426.9	370.6
60°	270.2	289.8	318.6	362.4	416.4	473.3	517.1	506.6	442.9	376.2	328.7
62.5°	245.6	263.1	290.3	328.6	377.9	430.6	466.6	451.2	388.7	330.4	292.8
65°	209.3	224.0	247.3	280.0	320.9	364.4	392.2	372.2	318.9	273.5	243.3
67.5°	174.7	186.5	206.0	232.1	267.0	301.9	318.8	298.8	256.1	222.9	200.6
70°	152.7	163.2	178.2	201.5	231.9	261.3	274.1	256.1	219.5	191.0	175.0
72.5°	130.8	139.4	152.7	173.5	197.9	223.4	234.5	217.4	187.3	163.2	148.3
75°	101.1	106.9	116.1	130.5	149.8	170.0	176.3	161.3	142.0	124.0	114.2
77.5°	72.3	77.3	84.3	93.3	107.0	119.9	125.4	116.7	101.7	90.3	82.3
80°	55.6	58.2	64.1	71.6	82.4	90.6	94.2	88.6	78.2	69.7	63.5
82.5°	39.6	42.3	45.8	52.0	58.9	64.4	68.3	64.6	57.0	50.3	46.7
85°	19.3	20.9	22.9	25.5	30.7	34.0	33.7	31.4	28.4	25.8	23.8
87.5°	7.3	7.8	9.0	10.6	11.6	13.0	13.8	13.5	12.7	12.1	11.5
90°	2.4	4.0	5.5	7.1	8.5	9.9	11.2	12.6	13.9	14.9	15.8
92.5°	12.3	11.3	10.2	9.0	9.1	10.3	11.5	12.7	13.9	14.9	15.8
95°	49.1	48.5	47.9	47.4	43.3	36.0	28.7	21.3	13.9	14.9	15.8
97.5°	104.7	105.7	106.8	107.8	101.1	86.5	72.0	57.4	42.9	37.4	31.9
100°	146.0	146.5	147.1	147.7	148.4	149.2	150.0	150.8	151.5	122.7	93.8
102.5°	188.6	189.4	190.1	190.9	191.5	191.9	192.3	192.9	193.3	187.9	182.4
105°	256.8	257.5	258.3	259.1	259.5	259.5	259.5	259.5	259.5	259.5	259.5
107.5°	326.7	326.7	326.7	326.7	326.9	327.3	327.7	328.0	328.5	328.5	328.6
110°	372.7	372.7	372.7	372.7	372.9	373.2	373.7	374.0	374.4	373.8	373.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	416.4	416.8	417.2	417.8	418.1	418.4	418.5	418.8	419.0	418.3	417.6
115°	481.6	482.6	483.5	484.6	485.1	485.3	485.5	485.7	485.9	485.1	484.3
117.5°	547.7	547.7	547.6	547.6	547.9	548.6	549.4	550.1	550.9	549.8	548.9
120°	589.4	589.1	588.9	588.8	588.9	589.5	590.1	590.6	591.2	590.9	590.5
122.5°	627.2	627.9	628.6	629.4	629.9	630.2	630.4	630.7	630.9	630.6	630.2
125°	684.9	686.3	687.6	689.0	689.7	689.7	689.7	689.7	689.7	688.9	688.1
127.5°	739.1	740.0	741.0	741.9	742.4	742.3	742.2	742.0	741.9	741.5	741.1
130°	772.5	773.4	774.4	775.4	775.9	776.2	776.4	776.5	776.7	776.2	775.6
132.5°	806.1	807.2	808.3	809.4	809.8	809.3	808.9	808.5	808.1	808.0	807.9
135°	853.7	854.8	856.0	857.1	857.6	857.1	856.8	856.4	856.0	855.6	855.2
137.5°	897.2	898.2	899.2	900.3	900.6	900.3	899.9	899.5	899.1	899.2	899.3
140°	925.1	925.6	925.9	926.3	926.4	926.3	926.0	925.8	925.7	926.0	926.4
142.5°	950.8	951.1	951.2	951.5	951.7	952.0	952.3	952.5	952.8	952.9	953.0
145°	988.8	989.1	989.5	989.9	990.1	990.1	990.1	990.1	990.1	990.3	990.5
147.5°	1021.4	1021.3	1021.2	1021.1	1021.2	1021.4	1021.7	1021.9	1022.1	1022.4	1022.6
150°	1042.0	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.8	1043.1
152.5°	1061.7	1060.8	1060.0	1059.1	1058.9	1059.3	1059.7	1060.1	1060.4	1060.8	1061.2
155°	1087.4	1086.2	1085.0	1083.8	1083.5	1083.8	1084.3	1084.6	1085.0	1085.5	1086.2
157.5°	1107.8	1107.2	1106.5	1105.7	1105.4	1105.4	1105.4	1105.5	1105.5	1106.2	1106.8
160°	1121.3	1120.2	1119.0	1117.8	1117.3	1117.5	1117.8	1117.9	1118.1	1118.9	1119.6
162.5°	1132.5	1131.3	1130.1	1128.9	1128.4	1128.7	1128.9	1129.0	1129.2	1130.3	1131.4
165°	1147.5	1146.2	1145.1	1143.9	1143.4	1143.7	1143.8	1144.0	1144.2	1145.4	1146.5
167.5°	1158.6	1157.4	1156.2	1154.9	1154.4	1154.6	1154.8	1155.0	1155.2	1156.6	1158.0
170°	1164.7	1163.3	1161.9	1160.5	1160.0	1160.2	1160.4	1160.5	1160.8	1162.4	1163.9
172.5°	1168.8	1167.4	1166.1	1164.8	1164.2	1164.6	1164.9	1165.3	1165.6	1167.0	1168.5
175°	1173.5	1172.3	1171.2	1170.0	1169.6	1169.8	1169.9	1170.2	1170.4	1171.9	1173.5
177.5°	1175.9	1174.9	1174.0	1173.1	1172.7	1172.9	1173.0	1173.1	1173.3	1174.4	1175.4
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	805.9	808.0	812.4	810.9	813.0	814.0	815.1
5°	871.0	881.5	886.1	885.4	892.3	890.6	889.0
7.5°	944.5	955.5	961.7	969.3	973.8	974.0	977.9
10°	986.1	1000.5	1006.4	1014.6	1019.9	1022.8	1022.4
12.5°	1018.0	1029.3	1042.5	1046.5	1053.6	1057.3	1055.9
15°	1056.4	1074.4	1088.1	1095.0	1103.9	1106.5	1110.1
17.5°	1090.7	1114.8	1130.9	1152.2	1160.3	1165.2	1162.3
20°	1116.6	1148.3	1164.4	1189.9	1203.9	1211.5	1208.8
22.5°	1147.3	1181.6	1211.3	1233.3	1254.7	1264.9	1267.0
25°	1199.7	1246.8	1290.3	1319.4	1345.9	1352.1	1365.9
27.5°	1258.4	1313.9	1360.4	1390.9	1409.5	1416.3	1420.6
30°	1295.2	1350.5	1385.5	1405.1	1411.0	1410.3	1409.7
32.5°	1313.3	1347.9	1354.6	1349.1	1335.7	1324.2	1312.3
35°	1287.7	1261.9	1223.2	1173.5	1137.0	1099.9	1096.3
37.5°	1158.1	1075.5	1011.2	939.5	898.1	872.5	854.8
40°	1036.1	942.3	864.4	803.9	761.7	745.1	728.8
42.5°	903.8	814.1	745.1	694.6	662.9	644.4	631.4
45°	734.3	655.1	601.2	564.6	539.3	525.0	516.8
47.5°	601.7	543.1	497.3	470.9	453.5	442.3	442.3
50°	530.5	474.6	444.2	423.3	408.2	399.3	401.0
52.5°	467.4	425.7	399.7	382.1	371.0	365.6	365.4
55°	390.9	360.8	343.8	331.0	323.5	317.3	318.6
57.5°	334.3	308.9	297.6	287.0	281.7	279.2	275.7
60°	299.3	279.7	269.8	261.3	256.1	254.2	250.6
62.5°	268.1	252.7	243.1	236.2	231.5	230.8	228.0
65°	225.3	213.6	205.1	201.8	196.9	195.6	195.6
67.5°	185.8	177.4	170.7	167.7	165.6	165.9	164.3
70°	160.9	154.0	149.8	146.5	144.9	145.3	143.9
72.5°	140.8	133.1	129.4	127.4	125.3	126.1	125.6
75°	106.6	102.7	100.7	98.8	97.5	96.8	96.2
77.5°	78.3	74.8	73.4	72.2	72.4	70.9	72.1
80°	60.5	57.6	56.6	54.9	54.6	54.6	54.3
82.5°	44.3	42.6	41.9	40.6	40.0	40.5	39.6
85°	22.9	21.6	21.3	21.3	20.6	20.0	21.6
87.5°	11.7	10.8	11.0	10.9	11.0	10.8	10.4
90°	16.9	17.8	18.6	19.2	19.7	20.3	20.9
92.5°	16.9	17.8	18.4	18.7	18.9	19.2	19.5
95°	16.9	17.8	18.3	18.3	18.3	18.3	18.3
97.5°	26.4	21.0	18.3	18.3	18.3	18.3	18.3
100°	65.0	36.2	21.4	20.6	19.8	19.0	18.3
102.5°	176.9	171.5	162.2	149.0	135.9	122.7	109.5
105°	259.5	259.5	259.4	259.2	259.0	258.8	258.6
107.5°	328.6	328.6	328.4	327.8	327.2	326.6	326.1
110°	372.7	372.1	372.0	372.1	372.3	372.5	372.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	416.8	416.1	415.6	415.3	415.0	414.7	414.5
115°	483.5	482.8	481.8	480.7	479.5	478.4	477.2
117.5°	547.9	546.8	546.0	545.6	545.1	544.6	544.1
120°	590.1	589.7	589.0	588.1	587.1	586.2	585.1
122.5°	629.8	629.4	628.7	627.6	626.5	625.3	624.2
125°	687.3	686.6	685.9	685.4	684.8	684.2	683.5
127.5°	740.6	740.2	739.3	737.9	736.4	734.9	733.6
130°	775.0	774.4	773.6	772.7	771.7	770.8	769.8
132.5°	807.7	807.6	807.1	806.2	805.1	804.2	803.2
135°	854.8	854.5	853.7	852.5	851.4	850.2	849.0
137.5°	899.4	899.5	899.1	898.0	897.0	896.0	895.0
140°	926.8	927.2	926.8	925.7	924.5	923.3	922.1
142.5°	953.0	953.1	952.6	951.4	950.3	949.1	948.0
145°	990.7	990.8	990.4	989.2	988.1	986.9	985.8
147.5°	1022.9	1023.0	1022.5	1021.1	1019.7	1018.3	1016.9
150°	1043.5	1043.9	1043.3	1041.7	1040.2	1038.6	1037.1
152.5°	1061.6	1062.0	1061.5	1060.1	1058.7	1057.3	1055.9
155°	1086.8	1087.4	1086.8	1085.3	1083.7	1082.2	1080.6
157.5°	1107.4	1108.0	1107.6	1106.0	1104.5	1102.9	1101.4
160°	1120.4	1121.2	1120.8	1119.3	1117.8	1116.2	1114.7
162.5°	1132.5	1133.6	1133.2	1131.5	1129.9	1128.2	1126.4
165°	1147.7	1148.8	1148.7	1147.1	1145.6	1144.0	1142.5
167.5°	1159.3	1160.8	1160.6	1158.8	1157.1	1155.4	1153.7
170°	1165.4	1167.0	1166.8	1165.1	1163.4	1161.7	1159.9
172.5°	1169.8	1171.2	1171.0	1169.3	1167.5	1165.8	1164.1
175°	1175.0	1176.6	1176.5	1174.7	1172.9	1171.2	1169.5
177.5°	1176.6	1177.7	1177.6	1176.3	1175.1	1173.9	1172.6
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7

(END OF REPORT)