

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: P333382-930

Luminaire Tested: **S125DIW-S610D1050U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333382-930
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-S610D1050U930-4F0-1E-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: 5477.2 lumens
Efficiency: N/A
Efficacy: 121.2 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

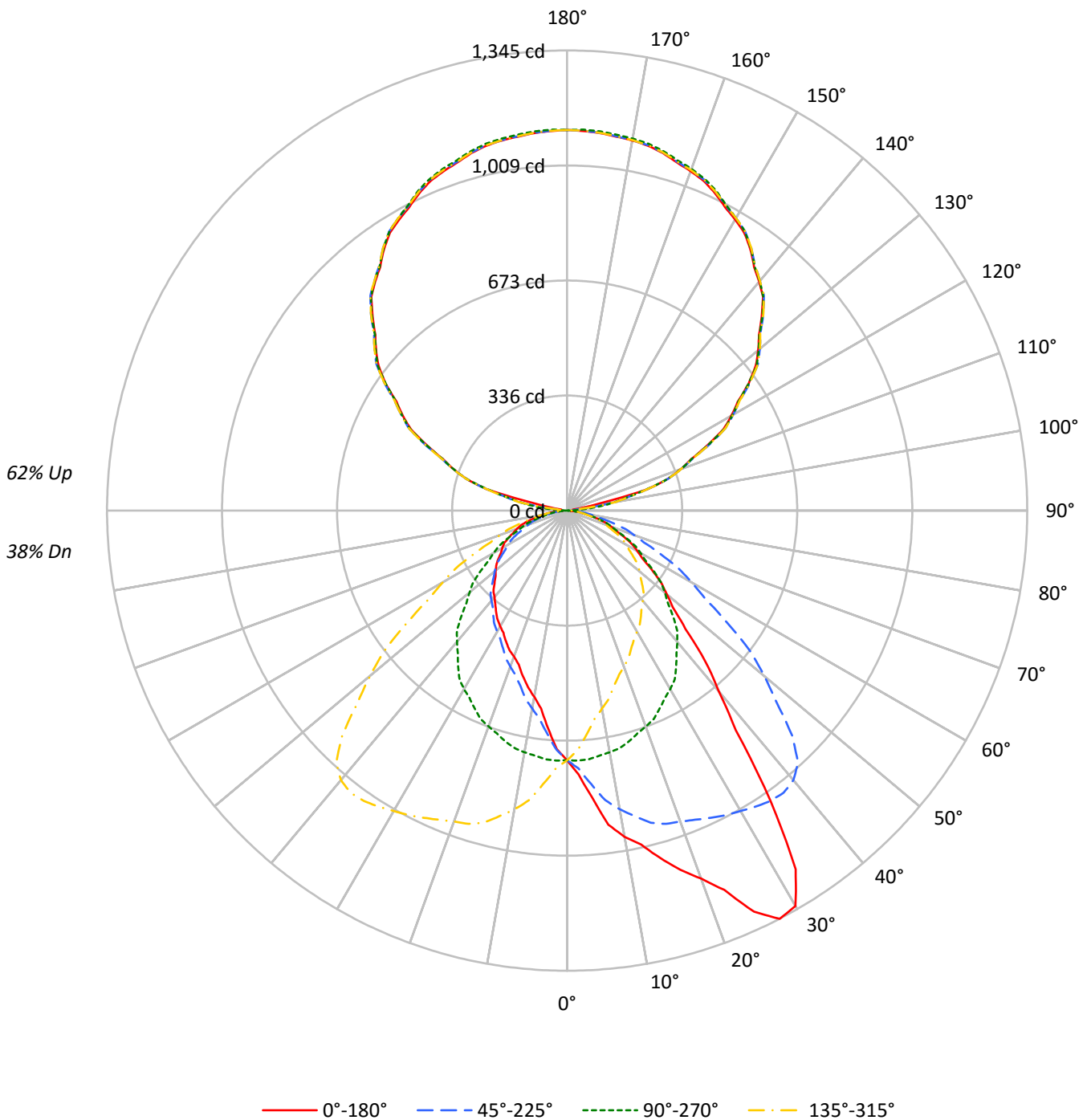
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

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°	4713	4713	4713	4713
5°	5457	4729	4140	4729
10°	6349	4704	3628	4704
15°	7029	4670	3346	4670
20°	7867	4615	3120	4615
25°	9217	4554	3011	4554
30°	9955	4492	2915	4492
35°	8185	4378	2852	4378
40°	5818	4220	2783	4220
45°	4469	4005	2744	4005
50°	3815	3741	2739	3741
55°	3397	3480	2762	3480
60°	3065	3196	2833	3196
65°	2830	2911	2905	2911
70°	2572	2613	2948	2613
75°	2273	2303	2922	2303
80°	1912	1878	2670	1878
85°	1519	1356	2156	1356



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.3
10°-20°	209.2	3.8
20°-30°	339.6	6.2
30°-40°	414.3	7.6
40°-50°	376.9	6.9
50°-60°	300.2	5.5
60°-70°	209.1	3.8
70°-80°	111.5	2.0
80°-90°	30.5	0.6
90°-100°	40.4	0.7
100°-110°	249.1	4.5
110°-120°	451.8	8.2
120°-130°	579.9	10.6
130°-140°	623.7	11.4
140°-150°	585.4	10.7
150°-160°	473.6	8.6
160°-170°	306.3	5.6
170°-180°	105.6	1.9
0°-30°	619.0	11.3
0°-40°	1033.3	18.9
0°-60°	1710.3	31.2
0°-90°	2061.3	37.6
90°-120°	741.4	13.5
90°-150°	2530.3	46.2
90°-180°	3416.0	62.4
0°-180°	5477.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	730	730	730	730	730	
5°	842	729	639	729	842	85
15°	1051	698	500	698	1051	301
25°	1293	639	422	639	1293	591
35°	1038	555	362	555	1038	635
45°	489	438	300	438	489	392
55°	302	309	245	309	302	272
65°	185	190	190	190	185	184
75°	91	92	117	92	91	98
85°	20	18	29	18	20	24
90°	20	1	20	1	20	9
95°	17	47	17	47	17	14
105°	245	242	245	242	245	221
115°	452	455	452	455	452	449
125°	647	647	647	647	647	576
135°	804	807	804	807	804	620
145°	933	936	933	936	933	583
155°	1023	1031	1023	1031	1023	472
165°	1082	1088	1082	1088	1082	305
175°	1107	1112	1107	1112	1107	105
180°	1112	1112	1112	1112	1112	



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	771.8	770.8	769.8	767.8	769.3	765.1	763.1	759.7	755.5	754.0	752.2
5°	841.8	843.3	844.9	838.4	839.0	834.7	824.8	816.7	810.2	801.8	796.0
7.5°	926.0	922.3	922.1	917.9	910.6	904.8	894.4	881.1	868.3	853.7	841.6
10°	968.2	968.5	965.7	960.7	953.0	947.4	933.8	920.8	905.0	886.4	873.1
12.5°	999.9	1001.2	997.7	991.0	987.2	974.7	964.0	948.5	929.8	914.9	894.6
15°	1051.2	1047.7	1045.3	1036.9	1030.4	1017.4	1000.4	984.2	963.8	944.9	926.0
17.5°	1100.6	1103.3	1098.7	1091.0	1070.9	1055.6	1032.8	1010.8	985.3	960.0	937.4
20°	1144.7	1147.2	1140.0	1126.7	1102.6	1087.4	1057.4	1028.8	999.5	966.9	942.2
22.5°	1199.7	1197.8	1188.1	1167.8	1147.0	1118.8	1086.4	1051.7	1014.8	978.0	945.1
25°	1293.4	1280.3	1274.5	1249.4	1221.8	1180.6	1136.0	1085.2	1039.4	990.8	948.7
27.5°	1345.2	1341.2	1334.6	1317.1	1288.2	1244.1	1191.6	1129.7	1064.9	1003.6	948.4
30°	1334.9	1335.5	1336.1	1330.5	1312.0	1278.8	1226.5	1159.8	1083.0	1014.0	950.2
32.5°	1242.7	1253.9	1264.8	1277.5	1282.7	1276.4	1243.6	1183.4	1104.4	1025.9	949.2
35°	1038.1	1041.5	1076.6	1111.3	1158.3	1194.9	1219.4	1192.7	1126.1	1036.0	948.0
37.5°	809.4	826.2	850.4	889.7	957.6	1018.4	1096.7	1132.6	1111.1	1039.3	945.8
40°	690.1	705.6	721.3	761.2	818.6	892.3	981.1	1057.0	1074.7	1028.8	938.4
42.5°	597.9	610.2	627.7	657.7	705.6	770.9	855.8	955.0	1015.9	998.7	922.8
45°	489.3	497.1	510.7	534.6	569.2	620.4	695.3	803.7	898.1	929.4	885.7
47.5°	418.8	418.8	429.4	445.9	470.9	514.3	569.7	654.7	755.5	830.2	826.7
50°	379.7	378.1	386.5	400.8	420.6	449.4	502.4	570.2	667.2	751.7	775.2
52.5°	346.0	346.2	351.3	361.8	378.5	403.1	442.6	503.8	586.6	673.4	717.7
55°	301.7	300.4	306.3	313.4	325.5	341.6	370.1	416.9	484.0	569.6	627.1
57.5°	261.1	264.4	266.8	271.7	281.8	292.5	316.6	350.9	404.2	477.6	538.5
60°	237.3	240.7	242.5	247.4	255.5	264.8	283.4	311.3	356.2	419.4	479.7
62.5°	215.9	218.6	219.2	223.6	230.2	239.3	253.9	277.3	312.8	368.0	427.2
65°	185.2	185.2	186.5	191.1	194.2	202.3	213.4	230.4	258.9	302.0	352.5
67.5°	155.6	157.1	156.8	158.8	161.7	168.0	175.9	190.0	211.1	242.5	282.9
70°	136.2	137.5	137.2	138.8	141.9	145.9	152.4	165.7	180.8	207.8	242.5
72.5°	119.0	119.4	118.6	120.7	122.5	126.0	133.3	140.4	154.6	177.3	205.9
75°	91.1	91.6	92.3	93.5	95.4	97.3	100.9	108.1	117.4	134.4	152.7
77.5°	68.2	67.1	68.6	68.4	69.5	70.8	74.1	77.9	85.5	96.3	110.5
80°	51.4	51.7	51.7	52.0	53.6	54.5	57.3	60.1	66.0	74.0	83.9
82.5°	37.5	38.3	37.8	38.4	39.7	40.4	41.9	44.2	47.6	54.0	61.1
85°	20.5	18.9	19.5	20.1	20.1	20.5	21.7	22.6	24.5	26.9	29.8
87.5°	9.9	10.3	10.4	10.4	10.4	10.3	11.1	10.9	11.5	12.1	12.8
90°	19.8	19.2	18.7	18.2	17.6	16.9	16.0	15.0	14.1	13.2	11.9
92.5°	18.5	18.2	17.9	17.7	17.4	16.9	16.0	15.0	14.1	13.2	12.1
95°	17.3	17.3	17.3	17.3	17.3	16.9	16.0	15.0	14.1	13.2	20.1
97.5°	17.3	17.3	17.3	17.3	17.3	19.9	25.0	30.2	35.4	40.6	54.4
100°	17.3	18.0	18.8	19.5	20.2	34.2	61.6	88.9	116.2	143.5	142.8
102.5°	103.7	116.2	128.7	141.1	153.6	162.4	167.5	172.7	177.9	183.0	182.6
105°	244.9	245.1	245.2	245.5	245.6	245.7	245.7	245.7	245.7	245.7	245.7
107.5°	308.8	309.2	309.8	310.4	311.0	311.2	311.1	311.1	311.0	311.0	310.6
110°	352.9	352.7	352.5	352.4	352.2	352.4	352.9	353.4	354.0	354.6	354.2



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	392.5	392.7	393.0	393.3	393.5	394.0	394.7	395.4	396.1	396.8	396.6
115°	451.8	453.0	454.0	455.2	456.2	457.1	457.9	458.6	459.3	460.1	459.9
117.5°	515.2	515.7	516.2	516.7	517.1	517.8	518.8	519.8	520.7	521.6	520.9
120°	554.1	555.1	556.0	556.8	557.7	558.4	558.8	559.1	559.5	559.9	559.3
122.5°	591.1	592.2	593.2	594.3	595.3	596.0	596.4	596.7	597.1	597.5	597.2
125°	647.3	647.8	648.4	649.0	649.5	650.1	650.9	651.6	652.3	653.1	653.1
127.5°	694.6	695.9	697.3	698.7	700.0	700.9	701.3	701.7	702.1	702.5	702.6
130°	729.0	729.9	730.8	731.6	732.5	733.3	733.9	734.4	735.0	735.5	735.3
132.5°	760.6	761.5	762.4	763.4	764.3	764.8	764.8	765.0	765.1	765.2	765.6
135°	804.0	805.0	806.2	807.2	808.4	809.1	809.4	809.8	810.2	810.6	810.9
137.5°	847.5	848.5	849.4	850.4	851.3	851.7	851.7	851.6	851.5	851.4	851.7
140°	873.2	874.3	875.4	876.5	877.6	878.0	877.6	877.3	876.9	876.5	876.7
142.5°	897.6	898.7	899.8	900.9	902.0	902.5	902.5	902.4	902.3	902.2	902.0
145°	933.4	934.5	935.6	936.7	937.8	938.2	938.1	937.9	937.8	937.5	937.5
147.5°	963.0	964.3	965.6	966.9	968.2	968.7	968.6	968.3	968.1	967.8	967.7
150°	982.0	983.5	985.0	986.4	987.9	988.5	988.1	987.7	987.4	987.0	986.7
152.5°	999.9	1001.2	1002.5	1003.8	1005.2	1005.6	1005.3	1004.9	1004.5	1004.1	1003.8
155°	1023.3	1024.7	1026.2	1027.7	1029.2	1029.6	1029.1	1028.5	1027.9	1027.4	1027.0
157.5°	1042.9	1044.4	1045.9	1047.3	1048.8	1049.2	1048.6	1048.1	1047.5	1046.8	1046.8
160°	1055.5	1057.0	1058.4	1059.9	1061.3	1061.7	1060.9	1060.2	1059.5	1058.7	1058.6
162.5°	1066.7	1068.3	1069.9	1071.5	1073.1	1073.4	1072.4	1071.4	1070.3	1069.3	1069.1
165°	1081.8	1083.3	1084.8	1086.2	1087.7	1087.9	1086.8	1085.7	1084.6	1083.5	1083.3
167.5°	1092.4	1094.1	1095.7	1097.3	1099.0	1099.2	1097.8	1096.5	1095.2	1093.9	1093.7
170°	1098.3	1100.0	1101.6	1103.3	1104.9	1105.1	1103.6	1102.1	1100.7	1099.2	1098.9
172.5°	1102.3	1103.9	1105.5	1107.3	1108.9	1109.1	1107.7	1106.4	1105.1	1103.8	1103.4
175°	1107.4	1109.1	1110.7	1112.3	1114.0	1114.1	1112.6	1111.2	1109.7	1108.2	1108.1
177.5°	1110.4	1111.6	1112.7	1113.9	1115.1	1115.2	1114.1	1113.0	1112.1	1111.0	1110.8
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	750.7	749.0	747.1	743.6	739.3	737.1	733.7	731.4	726.9	723.3	719.3
5°	788.8	780.8	773.4	763.8	753.3	746.4	738.3	729.4	720.1	710.5	699.9
7.5°	828.3	814.1	798.6	781.9	765.6	750.6	736.3	722.3	709.1	693.2	679.8
10°	854.8	836.8	817.7	795.0	773.1	753.8	734.3	717.3	699.9	681.3	665.0
12.5°	881.3	857.4	830.3	805.4	779.0	755.9	732.9	711.1	689.3	668.7	649.6
15°	900.0	879.0	853.9	818.6	788.8	756.9	726.6	698.4	672.1	649.1	625.0
17.5°	912.3	885.3	858.3	824.4	785.5	749.7	715.3	683.1	653.5	624.4	601.1
20°	914.6	886.7	858.5	825.4	785.5	744.5	710.2	671.5	639.5	609.5	581.0
22.5°	913.9	882.2	851.6	817.4	778.5	740.9	699.3	659.8	625.2	595.7	565.9
25°	906.9	873.1	834.7	800.3	761.9	721.9	679.8	639.0	603.6	569.9	540.5
27.5°	901.0	857.2	813.8	773.6	736.5	699.9	659.7	617.8	578.6	544.4	516.7
30°	893.8	845.8	796.9	755.0	717.0	681.3	643.3	602.4	561.5	528.1	498.3
32.5°	887.4	831.4	779.8	734.3	694.0	659.3	624.2	585.3	545.2	511.2	481.5
35°	875.0	810.2	751.1	699.6	656.6	621.0	591.6	555.3	518.4	485.6	457.1
37.5°	859.2	782.4	718.8	665.0	617.8	580.2	552.9	525.1	489.7	458.0	432.3
40°	846.8	762.5	695.3	640.2	591.3	552.2	526.8	500.5	471.1	441.6	414.4
42.5°	831.1	744.7	671.5	612.2	563.8	525.7	499.0	476.7	450.8	423.3	398.0
45°	802.5	712.3	633.1	569.2	520.3	482.8	455.3	438.5	419.1	393.1	371.7
47.5°	760.3	673.5	591.5	525.6	475.2	440.4	414.6	398.5	384.8	365.5	346.1
50°	722.8	644.5	561.5	496.2	445.6	410.7	386.9	372.3	360.5	345.6	329.2
52.5°	681.0	608.1	532.1	467.4	417.4	382.9	359.5	346.7	337.0	326.3	310.1
55°	614.5	552.5	481.9	420.6	374.5	340.7	320.2	309.1	301.0	293.0	283.1
57.5°	541.2	492.8	430.2	374.1	331.7	300.9	281.8	271.0	264.7	260.6	254.8
60°	489.7	448.2	394.3	343.2	301.7	274.4	255.8	247.4	242.2	238.8	234.5
62.5°	441.8	407.7	357.8	311.2	274.9	249.2	232.5	224.5	219.4	217.8	214.1
65°	371.4	345.0	303.9	265.1	234.2	212.1	198.2	190.5	187.4	185.5	185.8
67.5°	301.9	285.8	252.8	219.8	195.0	176.6	165.4	159.5	157.9	155.5	155.4
70°	259.5	247.4	219.6	190.8	168.8	154.6	144.6	138.4	136.9	135.7	135.3
72.5°	222.1	211.6	187.4	164.3	144.6	132.0	123.8	120.1	117.6	116.8	116.8
75°	167.0	161.0	141.9	123.6	110.0	101.3	95.7	92.3	90.4	90.1	90.4
77.5°	118.7	113.6	101.3	88.4	79.8	73.2	68.5	67.3	65.2	65.3	65.0
80°	89.2	85.8	78.0	67.8	60.7	55.1	52.7	50.5	49.9	48.9	49.9
82.5°	64.7	61.0	55.8	49.2	43.4	40.0	37.5	36.9	36.4	36.0	36.2
85°	31.9	32.2	29.1	24.1	21.7	19.8	18.3	18.3	17.9	17.7	17.9
87.5°	13.0	12.3	11.0	10.0	8.5	7.4	6.9	6.8	6.4	6.4	7.0
90°	10.6	9.4	8.1	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2
92.5°	10.9	9.8	8.6	8.6	9.6	10.7	11.7	12.7	11.7	10.7	9.6
95°	27.1	34.1	41.0	44.8	45.3	45.9	46.5	47.0	46.5	45.9	45.3
97.5°	68.2	81.9	95.7	102.1	101.1	100.1	99.1	98.2	99.1	100.1	101.1
100°	142.0	141.3	140.6	139.9	139.3	138.8	138.3	137.7	138.3	138.8	139.3
102.5°	182.1	181.7	181.3	180.8	180.0	179.4	178.6	178.0	178.6	179.4	180.0
105°	245.7	245.7	245.7	245.3	244.6	243.9	243.1	242.4	243.1	243.9	244.6
107.5°	310.3	309.9	309.6	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4
110°	353.8	353.4	353.1	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	396.3	396.2	395.9	395.6	395.1	394.7	394.3	393.8	394.3	394.7	395.1
115°	459.7	459.6	459.3	458.9	457.9	457.0	456.1	455.2	456.1	457.0	457.9
117.5°	520.2	519.5	518.9	518.5	518.5	518.6	518.6	518.7	518.6	518.6	518.5
120°	558.8	558.2	557.7	557.5	557.7	557.8	558.1	558.2	558.1	557.8	557.7
122.5°	597.0	596.7	596.5	596.0	595.3	594.6	593.9	593.2	593.9	594.6	595.3
125°	653.1	653.1	653.1	652.4	651.1	649.9	648.6	647.3	648.6	649.9	651.1
127.5°	702.8	702.9	703.0	702.5	701.6	700.7	699.9	698.9	699.9	700.7	701.6
130°	735.2	735.0	734.7	734.3	733.3	732.4	731.5	730.6	731.5	732.4	733.3
132.5°	766.0	766.4	766.8	766.5	765.4	764.3	763.3	762.2	763.3	764.3	765.4
135°	811.3	811.6	812.0	811.6	810.6	809.4	808.4	807.2	808.4	809.4	810.6
137.5°	852.2	852.5	852.8	852.5	851.5	850.5	849.6	848.6	849.6	850.5	851.5
140°	876.9	877.1	877.3	877.2	876.8	876.4	876.0	875.7	876.0	876.4	876.8
142.5°	901.7	901.5	901.2	901.0	900.7	900.6	900.3	900.1	900.3	900.6	900.7
145°	937.5	937.5	937.5	937.3	937.0	936.6	936.3	935.9	936.3	936.6	937.0
147.5°	967.4	967.2	967.0	966.9	967.0	967.1	967.2	967.2	967.2	967.1	967.0
150°	986.3	985.9	985.5	985.5	985.9	986.3	986.7	987.0	986.7	986.3	985.9
152.5°	1003.5	1003.1	1002.7	1002.9	1003.7	1004.5	1005.3	1006.2	1005.3	1004.5	1003.7
155°	1026.7	1026.3	1026.0	1026.3	1027.4	1028.5	1029.6	1030.7	1029.6	1028.5	1027.4
157.5°	1046.8	1046.8	1046.8	1047.0	1047.7	1048.4	1049.0	1049.7	1049.0	1048.4	1047.7
160°	1058.4	1058.2	1058.0	1058.5	1059.6	1060.7	1061.8	1062.9	1061.8	1060.7	1059.6
162.5°	1068.9	1068.8	1068.5	1069.0	1070.2	1071.2	1072.4	1073.4	1072.4	1071.2	1070.2
165°	1083.1	1083.0	1082.7	1083.2	1084.3	1085.4	1086.5	1087.6	1086.5	1085.4	1084.3
167.5°	1093.5	1093.3	1093.2	1093.6	1094.8	1095.9	1097.1	1098.1	1097.1	1095.9	1094.8
170°	1098.8	1098.6	1098.5	1098.9	1100.2	1101.6	1102.9	1104.1	1102.9	1101.6	1100.2
172.5°	1103.1	1102.8	1102.4	1102.9	1104.2	1105.5	1106.8	1108.1	1106.8	1105.5	1104.2
175°	1107.8	1107.7	1107.5	1107.9	1109.1	1110.1	1111.3	1112.3	1111.3	1110.1	1109.1
177.5°	1110.8	1110.6	1110.4	1110.8	1111.7	1112.6	1113.5	1114.4	1113.5	1112.6	1111.7
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	717.1	714.3	712.1	707.1	704.4	700.7	697.7	700.9	697.5	699.0	696.8
5°	694.7	686.0	679.8	670.8	663.1	656.0	650.7	649.8	647.3	646.0	642.4
7.5°	667.8	657.0	646.3	634.5	624.6	614.6	608.1	602.8	599.2	594.6	591.4
10°	651.9	637.4	625.0	610.7	598.3	587.5	578.9	574.5	570.5	564.6	562.5
12.5°	632.3	617.3	602.2	586.9	575.1	563.0	555.5	549.0	546.3	539.6	538.9
15°	608.9	586.3	571.4	556.0	539.5	529.6	523.4	516.3	513.2	508.6	505.2
17.5°	580.9	560.7	542.1	526.1	512.0	503.7	495.9	491.1	485.8	482.7	477.1
20°	560.6	541.4	522.8	505.7	494.9	485.3	479.2	474.5	468.9	467.3	461.8
22.5°	543.5	522.3	504.4	490.2	478.3	467.5	460.8	457.6	453.8	449.0	447.9
25°	515.7	493.7	478.5	464.2	453.7	443.8	439.2	435.1	431.5	428.0	426.8
27.5°	491.6	472.0	454.0	441.1	431.9	422.9	418.8	413.9	411.2	408.5	405.1
30°	474.8	454.7	438.9	426.5	416.5	408.5	404.1	400.8	398.3	395.8	394.0
32.5°	457.5	438.8	423.5	411.4	401.5	395.4	391.5	389.1	386.4	383.4	381.1
35°	434.6	414.1	399.3	388.7	380.9	376.3	371.9	369.8	366.7	366.7	364.2
37.5°	408.7	391.0	377.9	368.3	361.3	357.2	352.5	351.1	349.0	347.7	346.9
40°	393.3	376.9	364.5	354.9	347.5	344.1	340.4	337.9	336.6	335.1	334.5
42.5°	377.5	361.8	349.9	341.0	334.6	331.7	328.2	326.5	324.0	322.0	321.6
45°	353.4	338.2	327.3	320.2	314.7	311.3	309.1	305.4	304.1	301.7	301.3
47.5°	330.5	315.9	305.3	299.5	294.6	291.8	288.4	284.7	283.2	282.0	281.9
50°	313.4	300.1	290.2	284.6	280.0	276.0	272.6	270.1	269.1	269.1	269.8
52.5°	296.1	284.8	276.3	269.5	265.1	260.8	257.7	256.2	254.8	256.2	257.4
55°	270.7	259.3	253.1	246.5	242.2	237.3	235.7	235.1	234.2	236.6	237.8
57.5°	243.8	235.8	228.5	222.1	218.2	215.3	213.2	212.9	214.6	215.7	219.8
60°	226.7	217.4	210.9	205.9	201.3	199.4	198.9	198.2	199.4	202.8	208.1
62.5°	207.9	200.3	193.3	189.6	186.2	183.1	183.0	183.4	185.8	189.7	195.0
65°	180.3	173.7	169.1	164.8	162.0	160.1	160.8	162.0	164.8	170.1	175.9
67.5°	152.2	147.7	143.6	140.1	137.4	137.4	138.0	139.9	143.2	149.2	154.6
70°	134.1	129.1	125.7	124.2	122.1	120.8	122.6	125.7	128.5	134.1	138.8
72.5°	116.0	111.8	109.2	108.1	107.1	106.2	106.8	110.1	113.9	119.5	124.9
75°	89.2	87.6	85.8	84.5	83.6	84.2	84.9	88.0	91.1	96.9	103.1
77.5°	65.1	63.5	62.4	62.0	61.6	61.9	63.6	65.9	69.0	73.2	77.9
80°	49.2	48.6	48.0	47.7	47.7	48.0	50.5	52.0	54.8	58.9	62.5
82.5°	35.9	35.5	35.4	35.3	35.5	35.6	37.1	39.1	41.4	44.5	47.7
85°	18.9	18.3	19.2	19.5	18.9	19.8	20.5	21.7	22.6	24.1	25.7
87.5°	7.5	8.3	8.3	8.8	9.0	9.8	9.8	10.9	11.6	12.3	12.2
90°	6.7	8.1	9.4	10.6	11.9	13.2	14.1	15.0	16.0	16.9	17.6
92.5°	8.6	8.6	9.8	10.9	12.1	13.2	14.1	15.0	16.0	16.9	17.4
95°	44.8	41.0	34.1	27.1	20.1	13.2	14.1	15.0	16.0	16.9	17.3
97.5°	102.1	95.7	81.9	68.2	54.4	40.6	35.4	30.2	25.0	19.9	17.3
100°	139.9	140.6	141.3	142.0	142.8	143.5	116.2	88.9	61.6	34.2	20.2
102.5°	180.8	181.3	181.7	182.1	182.6	183.0	177.9	172.7	167.5	162.4	153.6
105°	245.3	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.6
107.5°	309.4	309.6	309.9	310.3	310.6	311.0	311.0	311.1	311.1	311.2	311.0
110°	352.9	353.1	353.4	353.8	354.2	354.6	354.0	353.4	352.9	352.4	352.2



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	395.6	395.9	396.2	396.3	396.6	396.8	396.1	395.4	394.7	394.0	393.5
115°	458.9	459.3	459.6	459.7	459.9	460.1	459.3	458.6	457.9	457.1	456.2
117.5°	518.5	518.9	519.5	520.2	520.9	521.6	520.7	519.8	518.8	517.8	517.1
120°	557.5	557.7	558.2	558.8	559.3	559.9	559.5	559.1	558.8	558.4	557.7
122.5°	596.0	596.5	596.7	597.0	597.2	597.5	597.1	596.7	596.4	596.0	595.3
125°	652.4	653.1	653.1	653.1	653.1	653.1	652.3	651.6	650.9	650.1	649.5
127.5°	702.5	703.0	702.9	702.8	702.6	702.5	702.1	701.7	701.3	700.9	700.0
130°	734.3	734.7	735.0	735.2	735.3	735.5	735.0	734.4	733.9	733.3	732.5
132.5°	766.5	766.8	766.4	766.0	765.6	765.2	765.1	765.0	764.8	764.8	764.3
135°	811.6	812.0	811.6	811.3	810.9	810.6	810.2	809.8	809.4	809.1	808.4
137.5°	852.5	852.8	852.5	852.2	851.7	851.4	851.5	851.6	851.7	851.7	851.3
140°	877.2	877.3	877.1	876.9	876.7	876.5	876.9	877.3	877.6	878.0	877.6
142.5°	901.0	901.2	901.5	901.7	902.0	902.2	902.3	902.4	902.5	902.5	902.0
145°	937.3	937.5	937.5	937.5	937.5	937.5	937.8	937.9	938.1	938.2	937.8
147.5°	966.9	967.0	967.2	967.4	967.7	967.8	968.1	968.3	968.6	968.7	968.2
150°	985.5	985.5	985.9	986.3	986.7	987.0	987.4	987.7	988.1	988.5	987.9
152.5°	1002.9	1002.7	1003.1	1003.5	1003.8	1004.1	1004.5	1004.9	1005.3	1005.6	1005.2
155°	1026.3	1026.0	1026.3	1026.7	1027.0	1027.4	1027.9	1028.5	1029.1	1029.6	1029.2
157.5°	1047.0	1046.8	1046.8	1046.8	1046.8	1046.8	1047.5	1048.1	1048.6	1049.2	1048.8
160°	1058.5	1058.0	1058.2	1058.4	1058.6	1058.7	1059.5	1060.2	1060.9	1061.7	1061.3
162.5°	1069.0	1068.5	1068.8	1068.9	1069.1	1069.3	1070.3	1071.4	1072.4	1073.4	1073.1
165°	1083.2	1082.7	1083.0	1083.1	1083.3	1083.5	1084.6	1085.7	1086.8	1087.9	1087.7
167.5°	1093.6	1093.2	1093.3	1093.5	1093.7	1093.9	1095.2	1096.5	1097.8	1099.2	1099.0
170°	1098.9	1098.5	1098.6	1098.8	1098.9	1099.2	1100.7	1102.1	1103.6	1105.1	1104.9
172.5°	1102.9	1102.4	1102.8	1103.1	1103.4	1103.8	1105.1	1106.4	1107.7	1109.1	1108.9
175°	1107.9	1107.5	1107.7	1107.8	1108.1	1108.2	1109.7	1111.2	1112.6	1114.1	1114.0
177.5°	1110.8	1110.4	1110.6	1110.8	1110.8	1111.0	1112.1	1113.0	1114.1	1115.2	1115.1
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	695.2	697.0	695.5	697.5	695.5	697.0	695.2	696.8	699.0	697.5	700.9
5°	640.8	638.0	639.8	638.6	639.8	638.0	640.8	642.4	646.0	647.3	649.8
7.5°	590.5	587.8	584.8	583.3	584.8	587.8	590.5	591.4	594.6	599.2	602.8
10°	559.1	555.6	555.3	553.2	555.3	555.6	559.1	562.5	564.6	570.5	574.5
12.5°	536.0	532.8	529.3	528.4	529.3	532.8	536.0	538.9	539.6	546.3	549.0
15°	503.3	500.8	498.6	500.5	498.6	500.8	503.3	505.2	508.6	513.2	516.3
17.5°	476.1	474.0	473.7	471.4	473.7	474.0	476.1	477.1	482.7	485.8	491.1
20°	459.0	457.5	458.0	454.0	458.0	457.5	459.0	461.8	467.3	468.9	474.5
22.5°	445.4	442.3	442.0	441.2	442.0	442.3	445.4	447.9	449.0	453.8	457.6
25°	424.0	422.5	420.9	422.5	420.9	422.5	424.0	426.8	428.0	431.5	435.1
27.5°	405.4	403.5	403.1	403.2	403.1	403.5	405.4	405.1	408.5	411.2	413.9
30°	394.0	390.9	391.2	390.9	391.2	390.9	394.0	394.0	395.8	398.3	400.8
32.5°	381.6	379.4	379.0	378.5	379.0	379.4	381.6	381.1	383.4	386.4	389.1
35°	363.3	363.3	361.7	361.7	361.7	363.3	363.3	364.2	366.7	366.7	369.8
37.5°	346.1	345.8	344.9	345.0	344.9	345.8	346.1	346.9	347.7	349.0	351.1
40°	333.2	333.0	332.0	330.1	332.0	333.0	333.2	334.5	335.1	336.6	337.9
42.5°	320.9	319.8	319.4	318.8	319.4	319.8	320.9	321.6	322.0	324.0	326.5
45°	301.3	301.3	300.8	300.4	300.8	301.3	301.3	301.3	301.7	304.1	305.4
47.5°	282.4	283.0	284.1	284.0	284.1	283.0	282.4	281.9	282.0	283.2	284.7
50°	271.0	271.3	272.2	272.6	272.2	271.3	271.0	269.8	269.1	269.1	270.1
52.5°	258.4	260.2	261.3	261.1	261.3	260.2	258.4	257.4	256.2	254.8	256.2
55°	240.7	242.8	245.0	245.3	245.0	242.8	240.7	237.8	236.6	234.2	235.1
57.5°	223.1	226.2	228.4	229.2	228.4	226.2	223.1	219.8	215.7	214.6	212.9
60°	211.2	215.2	218.0	219.3	218.0	215.2	211.2	208.1	202.8	199.4	198.2
62.5°	199.8	204.3	207.2	207.4	207.2	204.3	199.8	195.0	189.7	185.8	183.4
65°	181.2	185.8	188.3	190.1	188.3	185.8	181.2	175.9	170.1	164.8	162.0
67.5°	161.1	165.8	168.5	170.0	168.5	165.8	161.1	154.6	149.2	143.2	139.9
70°	146.5	151.2	154.8	156.1	154.8	151.2	146.5	138.8	134.1	128.5	125.7
72.5°	132.2	136.2	139.3	140.7	139.3	136.2	132.2	124.9	119.5	113.9	110.1
75°	107.1	112.8	115.5	117.1	115.5	112.8	107.1	103.1	96.9	91.1	88.0
77.5°	82.7	87.7	89.4	90.2	89.4	87.7	82.7	77.9	73.2	69.0	65.9
80°	66.3	69.4	71.6	71.8	71.6	69.4	66.3	62.5	58.9	54.8	52.0
82.5°	51.0	53.5	54.2	55.0	54.2	53.5	51.0	47.7	44.5	41.4	39.1
85°	27.9	29.1	29.4	29.1	29.4	29.1	27.9	25.7	24.1	22.6	21.7
87.5°	12.8	12.6	12.8	13.4	12.8	12.6	12.8	12.2	12.3	11.6	10.9
90°	18.2	18.7	19.2	19.8	19.2	18.7	18.2	17.6	16.9	16.0	15.0
92.5°	17.7	17.9	18.2	18.5	18.2	17.9	17.7	17.4	16.9	16.0	15.0
95°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	16.9	16.0	15.0
97.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	19.9	25.0	30.2
100°	19.5	18.8	18.0	17.3	18.0	18.8	19.5	20.2	34.2	61.6	88.9
102.5°	141.1	128.7	116.2	103.7	116.2	128.7	141.1	153.6	162.4	167.5	172.7
105°	245.5	245.2	245.1	244.9	245.1	245.2	245.5	245.6	245.7	245.7	245.7
107.5°	310.4	309.8	309.2	308.8	309.2	309.8	310.4	311.0	311.2	311.1	311.1
110°	352.4	352.5	352.7	352.9	352.7	352.5	352.4	352.2	352.4	352.9	353.4



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	393.3	393.0	392.7	392.5	392.7	393.0	393.3	393.5	394.0	394.7	395.4
115°	455.2	454.0	453.0	451.8	453.0	454.0	455.2	456.2	457.1	457.9	458.6
117.5°	516.7	516.2	515.7	515.2	515.7	516.2	516.7	517.1	517.8	518.8	519.8
120°	556.8	556.0	555.1	554.1	555.1	556.0	556.8	557.7	558.4	558.8	559.1
122.5°	594.3	593.2	592.2	591.1	592.2	593.2	594.3	595.3	596.0	596.4	596.7
125°	649.0	648.4	647.8	647.3	647.8	648.4	649.0	649.5	650.1	650.9	651.6
127.5°	698.7	697.3	695.9	694.6	695.9	697.3	698.7	700.0	700.9	701.3	701.7
130°	731.6	730.8	729.9	729.0	729.9	730.8	731.6	732.5	733.3	733.9	734.4
132.5°	763.4	762.4	761.5	760.6	761.5	762.4	763.4	764.3	764.8	764.8	765.0
135°	807.2	806.2	805.0	804.0	805.0	806.2	807.2	808.4	809.1	809.4	809.8
137.5°	850.4	849.4	848.5	847.5	848.5	849.4	850.4	851.3	851.7	851.7	851.6
140°	876.5	875.4	874.3	873.2	874.3	875.4	876.5	877.6	878.0	877.6	877.3
142.5°	900.9	899.8	898.7	897.6	898.7	899.8	900.9	902.0	902.5	902.5	902.4
145°	936.7	935.6	934.5	933.4	934.5	935.6	936.7	937.8	938.2	938.1	937.9
147.5°	966.9	965.6	964.3	963.0	964.3	965.6	966.9	968.2	968.7	968.6	968.3
150°	986.4	985.0	983.5	982.0	983.5	985.0	986.4	987.9	988.5	988.1	987.7
152.5°	1003.8	1002.5	1001.2	999.9	1001.2	1002.5	1003.8	1005.2	1005.6	1005.3	1004.9
155°	1027.7	1026.2	1024.7	1023.3	1024.7	1026.2	1027.7	1029.2	1029.6	1029.1	1028.5
157.5°	1047.3	1045.9	1044.4	1042.9	1044.4	1045.9	1047.3	1048.8	1049.2	1048.6	1048.1
160°	1059.9	1058.4	1057.0	1055.5	1057.0	1058.4	1059.9	1061.3	1061.7	1060.9	1060.2
162.5°	1071.5	1069.9	1068.3	1066.7	1068.3	1069.9	1071.5	1073.1	1073.4	1072.4	1071.4
165°	1086.2	1084.8	1083.3	1081.8	1083.3	1084.8	1086.2	1087.7	1087.9	1086.8	1085.7
167.5°	1097.3	1095.7	1094.1	1092.4	1094.1	1095.7	1097.3	1099.0	1099.2	1097.8	1096.5
170°	1103.3	1101.6	1100.0	1098.3	1100.0	1101.6	1103.3	1104.9	1105.1	1103.6	1102.1
172.5°	1107.3	1105.5	1103.9	1102.3	1103.9	1105.5	1107.3	1108.9	1109.1	1107.7	1106.4
175°	1112.3	1110.7	1109.1	1107.4	1109.1	1110.7	1112.3	1114.0	1114.1	1112.6	1111.2
177.5°	1113.9	1112.7	1111.6	1110.4	1111.6	1112.7	1113.9	1115.1	1115.2	1114.1	1113.0
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	697.7	700.7	704.4	707.1	712.1	714.3	717.1	719.3	723.3	726.9	731.4
5°	650.7	656.0	663.1	670.8	679.8	686.0	694.7	699.9	710.5	720.1	729.4
7.5°	608.1	614.6	624.6	634.5	646.3	657.0	667.8	679.8	693.2	709.1	722.3
10°	578.9	587.5	598.3	610.7	625.0	637.4	651.9	665.0	681.3	699.9	717.3
12.5°	555.5	563.0	575.1	586.9	602.2	617.3	632.3	649.6	668.7	689.3	711.1
15°	523.4	529.6	539.5	556.0	571.4	586.3	608.9	625.0	649.1	672.1	698.4
17.5°	495.9	503.7	512.0	526.1	542.1	560.7	580.9	601.1	624.4	653.5	683.1
20°	479.2	485.3	494.9	505.7	522.8	541.4	560.6	581.0	609.5	639.5	671.5
22.5°	460.8	467.5	478.3	490.2	504.4	522.3	543.5	565.9	595.7	625.2	659.8
25°	439.2	443.8	453.7	464.2	478.5	493.7	515.7	540.5	569.9	603.6	639.0
27.5°	418.8	422.9	431.9	441.1	454.0	472.0	491.6	516.7	544.4	578.6	617.8
30°	404.1	408.5	416.5	426.5	438.9	454.7	474.8	498.3	528.1	561.5	602.4
32.5°	391.5	395.4	401.5	411.4	423.5	438.8	457.5	481.5	511.2	545.2	585.3
35°	371.9	376.3	380.9	388.7	399.3	414.1	434.6	457.1	485.6	518.4	555.3
37.5°	352.5	357.2	361.3	368.3	377.9	391.0	408.7	432.3	458.0	489.7	525.1
40°	340.4	344.1	347.5	354.9	364.5	376.9	393.3	414.4	441.6	471.1	500.5
42.5°	328.2	331.7	334.6	341.0	349.9	361.8	377.5	398.0	423.3	450.8	476.7
45°	309.1	311.3	314.7	320.2	327.3	338.2	353.4	371.7	393.1	419.1	438.5
47.5°	288.4	291.8	294.6	299.5	305.3	315.9	330.5	346.1	365.5	384.8	398.5
50°	272.6	276.0	280.0	284.6	290.2	300.1	313.4	329.2	345.6	360.5	372.3
52.5°	257.7	260.8	265.1	269.5	276.3	284.8	296.1	310.1	326.3	337.0	346.7
55°	235.7	237.3	242.2	246.5	253.1	259.3	270.7	283.1	293.0	301.0	309.1
57.5°	213.2	215.3	218.2	222.1	228.5	235.8	243.8	254.8	260.6	264.7	271.0
60°	198.9	199.4	201.3	205.9	210.9	217.4	226.7	234.5	238.8	242.2	247.4
62.5°	183.0	183.1	186.2	189.6	193.3	200.3	207.9	214.1	217.8	219.4	224.5
65°	160.8	160.1	162.0	164.8	169.1	173.7	180.3	185.8	185.5	187.4	190.5
67.5°	138.0	137.4	137.4	140.1	143.6	147.7	152.2	155.4	155.5	157.9	159.5
70°	122.6	120.8	122.1	124.2	125.7	129.1	134.1	135.3	135.7	136.9	138.4
72.5°	106.8	106.2	107.1	108.1	109.2	111.8	116.0	116.8	116.8	117.6	120.1
75°	84.9	84.2	83.6	84.5	85.8	87.6	89.2	90.4	90.1	90.4	92.3
77.5°	63.6	61.9	61.6	62.0	62.4	63.5	65.1	65.0	65.3	65.2	67.3
80°	50.5	48.0	47.7	47.7	48.0	48.6	49.2	49.9	48.9	49.9	50.5
82.5°	37.1	35.6	35.5	35.3	35.4	35.5	35.9	36.2	36.0	36.4	36.9
85°	20.5	19.8	18.9	19.5	19.2	18.3	18.9	17.9	17.7	17.9	18.3
87.5°	9.8	9.8	9.0	8.8	8.3	8.3	7.5	7.0	6.4	6.4	6.8
90°	14.1	13.2	11.9	10.6	9.4	8.1	6.7	5.2	3.8	2.3	0.8
92.5°	14.1	13.2	12.1	10.9	9.8	8.6	8.6	9.6	10.7	11.7	12.7
95°	14.1	13.2	20.1	27.1	34.1	41.0	44.8	45.3	45.9	46.5	47.0
97.5°	35.4	40.6	54.4	68.2	81.9	95.7	102.1	101.1	100.1	99.1	98.2
100°	116.2	143.5	142.8	142.0	141.3	140.6	139.9	139.3	138.8	138.3	137.7
102.5°	177.9	183.0	182.6	182.1	181.7	181.3	180.8	180.0	179.4	178.6	178.0
105°	245.7	245.7	245.7	245.7	245.7	245.7	245.3	244.6	243.9	243.1	242.4
107.5°	311.0	311.0	310.6	310.3	309.9	309.6	309.4	309.4	309.4	309.4	309.4
110°	354.0	354.6	354.2	353.8	353.4	353.1	352.9	352.9	352.9	352.9	352.9



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	396.1	396.8	396.6	396.3	396.2	395.9	395.6	395.1	394.7	394.3	393.8
115°	459.3	460.1	459.9	459.7	459.6	459.3	458.9	457.9	457.0	456.1	455.2
117.5°	520.7	521.6	520.9	520.2	519.5	518.9	518.5	518.5	518.6	518.6	518.7
120°	559.5	559.9	559.3	558.8	558.2	557.7	557.5	557.7	557.8	558.1	558.2
122.5°	597.1	597.5	597.2	597.0	596.7	596.5	596.0	595.3	594.6	593.9	593.2
125°	652.3	653.1	653.1	653.1	653.1	653.1	652.4	651.1	649.9	648.6	647.3
127.5°	702.1	702.5	702.6	702.8	702.9	703.0	702.5	701.6	700.7	699.9	698.9
130°	735.0	735.5	735.3	735.2	735.0	734.7	734.3	733.3	732.4	731.5	730.6
132.5°	765.1	765.2	765.6	766.0	766.4	766.8	766.5	765.4	764.3	763.3	762.2
135°	810.2	810.6	810.9	811.3	811.6	812.0	811.6	810.6	809.4	808.4	807.2
137.5°	851.5	851.4	851.7	852.2	852.5	852.8	852.5	851.5	850.5	849.6	848.6
140°	876.9	876.5	876.7	876.9	877.1	877.3	877.2	876.8	876.4	876.0	875.7
142.5°	902.3	902.2	902.0	901.7	901.5	901.2	901.0	900.7	900.6	900.3	900.1
145°	937.8	937.5	937.5	937.5	937.5	937.5	937.3	937.0	936.6	936.3	935.9
147.5°	968.1	967.8	967.7	967.4	967.2	967.0	966.9	967.0	967.1	967.2	967.2
150°	987.4	987.0	986.7	986.3	985.9	985.5	985.5	985.9	986.3	986.7	987.0
152.5°	1004.5	1004.1	1003.8	1003.5	1003.1	1002.7	1002.9	1003.7	1004.5	1005.3	1006.2
155°	1027.9	1027.4	1027.0	1026.7	1026.3	1026.0	1026.3	1027.4	1028.5	1029.6	1030.7
157.5°	1047.5	1046.8	1046.8	1046.8	1046.8	1046.8	1047.0	1047.7	1048.4	1049.0	1049.7
160°	1059.5	1058.7	1058.6	1058.4	1058.2	1058.0	1058.5	1059.6	1060.7	1061.8	1062.9
162.5°	1070.3	1069.3	1069.1	1068.9	1068.8	1068.5	1069.0	1070.2	1071.2	1072.4	1073.4
165°	1084.6	1083.5	1083.3	1083.1	1083.0	1082.7	1083.2	1084.3	1085.4	1086.5	1087.6
167.5°	1095.2	1093.9	1093.7	1093.5	1093.3	1093.2	1093.6	1094.8	1095.9	1097.1	1098.1
170°	1100.7	1099.2	1098.9	1098.8	1098.6	1098.5	1098.9	1100.2	1101.6	1102.9	1104.1
172.5°	1105.1	1103.8	1103.4	1103.1	1102.8	1102.4	1102.9	1104.2	1105.5	1106.8	1108.1
175°	1109.7	1108.2	1108.1	1107.8	1107.7	1107.5	1107.9	1109.1	1110.1	1111.3	1112.3
177.5°	1112.1	1111.0	1110.8	1110.8	1110.6	1110.4	1110.8	1111.7	1112.6	1113.5	1114.4
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	733.7	737.1	739.3	743.6	747.1	749.0	750.7	752.2	754.0	755.5	759.7
5°	738.3	746.4	753.3	763.8	773.4	780.8	788.8	796.0	801.8	810.2	816.7
7.5°	736.3	750.6	765.6	781.9	798.6	814.1	828.3	841.6	853.7	868.3	881.1
10°	734.3	753.8	773.1	795.0	817.7	836.8	854.8	873.1	886.4	905.0	920.8
12.5°	732.9	755.9	779.0	805.4	830.3	857.4	881.3	894.6	914.9	929.8	948.5
15°	726.6	756.9	788.8	818.6	853.9	879.0	900.0	926.0	944.9	963.8	984.2
17.5°	715.3	749.7	785.5	824.4	858.3	885.3	912.3	937.4	960.0	985.3	1010.8
20°	710.2	744.5	785.5	825.4	858.5	886.7	914.6	942.2	966.9	999.5	1028.8
22.5°	699.3	740.9	778.5	817.4	851.6	882.2	913.9	945.1	978.0	1014.8	1051.7
25°	679.8	721.9	761.9	800.3	834.7	873.1	906.9	948.7	990.8	1039.4	1085.2
27.5°	659.7	699.9	736.5	773.6	813.8	857.2	901.0	948.4	1003.6	1064.9	1129.7
30°	643.3	681.3	717.0	755.0	796.9	845.8	893.8	950.2	1014.0	1083.0	1159.8
32.5°	624.2	659.3	694.0	734.3	779.8	831.4	887.4	949.2	1025.9	1104.4	1183.4
35°	591.6	621.0	656.6	699.6	751.1	810.2	875.0	948.0	1036.0	1126.1	1192.7
37.5°	552.9	580.2	617.8	665.0	718.8	782.4	859.2	945.8	1039.3	1111.1	1132.6
40°	526.8	552.2	591.3	640.2	695.3	762.5	846.8	938.4	1028.8	1074.7	1057.0
42.5°	499.0	525.7	563.8	612.2	671.5	744.7	831.1	922.8	998.7	1015.9	955.0
45°	455.3	482.8	520.3	569.2	633.1	712.3	802.5	885.7	929.4	898.1	803.7
47.5°	414.6	440.4	475.2	525.6	591.5	673.5	760.3	826.7	830.2	755.5	654.7
50°	386.9	410.7	445.6	496.2	561.5	644.5	722.8	775.2	751.7	667.2	570.2
52.5°	359.5	382.9	417.4	467.4	532.1	608.1	681.0	717.7	673.4	586.6	503.8
55°	320.2	340.7	374.5	420.6	481.9	552.5	614.5	627.1	569.6	484.0	416.9
57.5°	281.8	300.9	331.7	374.1	430.2	492.8	541.2	538.5	477.6	404.2	350.9
60°	255.8	274.4	301.7	343.2	394.3	448.2	489.7	479.7	419.4	356.2	311.3
62.5°	232.5	249.2	274.9	311.2	357.8	407.7	441.8	427.2	368.0	312.8	277.3
65°	198.2	212.1	234.2	265.1	303.9	345.0	371.4	352.5	302.0	258.9	230.4
67.5°	165.4	176.6	195.0	219.8	252.8	285.8	301.9	282.9	242.5	211.1	190.0
70°	144.6	154.6	168.8	190.8	219.6	247.4	259.5	242.5	207.8	180.8	165.7
72.5°	123.8	132.0	144.6	164.3	187.4	211.6	222.1	205.9	177.3	154.6	140.4
75°	95.7	101.3	110.0	123.6	141.9	161.0	167.0	152.7	134.4	117.4	108.1
77.5°	68.5	73.2	79.8	88.4	101.3	113.6	118.7	110.5	96.3	85.5	77.9
80°	52.7	55.1	60.7	67.8	78.0	85.8	89.2	83.9	74.0	66.0	60.1
82.5°	37.5	40.0	43.4	49.2	55.8	61.0	64.7	61.1	54.0	47.6	44.2
85°	18.3	19.8	21.7	24.1	29.1	32.2	31.9	29.8	26.9	24.5	22.6
87.5°	6.9	7.4	8.5	10.0	11.0	12.3	13.0	12.8	12.1	11.5	10.9
90°	2.3	3.8	5.2	6.7	8.1	9.4	10.6	11.9	13.2	14.1	15.0
92.5°	11.7	10.7	9.6	8.6	8.6	9.8	10.9	12.1	13.2	14.1	15.0
95°	46.5	45.9	45.3	44.8	41.0	34.1	27.1	20.1	13.2	14.1	15.0
97.5°	99.1	100.1	101.1	102.1	95.7	81.9	68.2	54.4	40.6	35.4	30.2
100°	138.3	138.8	139.3	139.9	140.6	141.3	142.0	142.8	143.5	116.2	88.9
102.5°	178.6	179.4	180.0	180.8	181.3	181.7	182.1	182.6	183.0	177.9	172.7
105°	243.1	243.9	244.6	245.3	245.7	245.7	245.7	245.7	245.7	245.7	245.7
107.5°	309.4	309.4	309.4	309.4	309.6	309.9	310.3	310.6	311.0	311.0	311.1
110°	352.9	352.9	352.9	352.9	353.1	353.4	353.8	354.2	354.6	354.0	353.4



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	394.3	394.7	395.1	395.6	395.9	396.2	396.3	396.6	396.8	396.1	395.4
115°	456.1	457.0	457.9	458.9	459.3	459.6	459.7	459.9	460.1	459.3	458.6
117.5°	518.6	518.6	518.5	518.5	518.9	519.5	520.2	520.9	521.6	520.7	519.8
120°	558.1	557.8	557.7	557.5	557.7	558.2	558.8	559.3	559.9	559.5	559.1
122.5°	593.9	594.6	595.3	596.0	596.5	596.7	597.0	597.2	597.5	597.1	596.7
125°	648.6	649.9	651.1	652.4	653.1	653.1	653.1	653.1	653.1	652.3	651.6
127.5°	699.9	700.7	701.6	702.5	703.0	702.9	702.8	702.6	702.5	702.1	701.7
130°	731.5	732.4	733.3	734.3	734.7	735.0	735.2	735.3	735.5	735.0	734.4
132.5°	763.3	764.3	765.4	766.5	766.8	766.4	766.0	765.6	765.2	765.1	765.0
135°	808.4	809.4	810.6	811.6	812.0	811.6	811.3	810.9	810.6	810.2	809.8
137.5°	849.6	850.5	851.5	852.5	852.8	852.5	852.2	851.7	851.4	851.5	851.6
140°	876.0	876.4	876.8	877.2	877.3	877.1	876.9	876.7	876.5	876.9	877.3
142.5°	900.3	900.6	900.7	901.0	901.2	901.5	901.7	902.0	902.2	902.3	902.4
145°	936.3	936.6	937.0	937.3	937.5	937.5	937.5	937.5	937.5	937.8	937.9
147.5°	967.2	967.1	967.0	966.9	967.0	967.2	967.4	967.7	967.8	968.1	968.3
150°	986.7	986.3	985.9	985.5	985.5	985.9	986.3	986.7	987.0	987.4	987.7
152.5°	1005.3	1004.5	1003.7	1002.9	1002.7	1003.1	1003.5	1003.8	1004.1	1004.5	1004.9
155°	1029.6	1028.5	1027.4	1026.3	1026.0	1026.3	1026.7	1027.0	1027.4	1027.9	1028.5
157.5°	1049.0	1048.4	1047.7	1047.0	1046.8	1046.8	1046.8	1046.8	1046.8	1047.5	1048.1
160°	1061.8	1060.7	1059.6	1058.5	1058.0	1058.2	1058.4	1058.6	1058.7	1059.5	1060.2
162.5°	1072.4	1071.2	1070.2	1069.0	1068.5	1068.8	1068.9	1069.1	1069.3	1070.3	1071.4
165°	1086.5	1085.4	1084.3	1083.2	1082.7	1083.0	1083.1	1083.3	1083.5	1084.6	1085.7
167.5°	1097.1	1095.9	1094.8	1093.6	1093.2	1093.3	1093.5	1093.7	1093.9	1095.2	1096.5
170°	1102.9	1101.6	1100.2	1098.9	1098.5	1098.6	1098.8	1098.9	1099.2	1100.7	1102.1
172.5°	1106.8	1105.5	1104.2	1102.9	1102.4	1102.8	1103.1	1103.4	1103.8	1105.1	1106.4
175°	1111.3	1110.1	1109.1	1107.9	1107.5	1107.7	1107.8	1108.1	1108.2	1109.7	1111.2
177.5°	1113.5	1112.6	1111.7	1110.8	1110.4	1110.6	1110.8	1110.8	1111.0	1112.1	1113.0
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	763.1	765.1	769.3	767.8	769.8	770.8	771.8
5°	824.8	834.7	839.0	838.4	844.9	843.3	841.8
7.5°	894.4	904.8	910.6	917.9	922.1	922.3	926.0
10°	933.8	947.4	953.0	960.7	965.7	968.5	968.2
12.5°	964.0	974.7	987.2	991.0	997.7	1001.2	999.9
15°	1000.4	1017.4	1030.4	1036.9	1045.3	1047.7	1051.2
17.5°	1032.8	1055.6	1070.9	1091.0	1098.7	1103.3	1100.6
20°	1057.4	1087.4	1102.6	1126.7	1140.0	1147.2	1144.7
22.5°	1086.4	1118.8	1147.0	1167.8	1188.1	1197.8	1199.7
25°	1136.0	1180.6	1221.8	1249.4	1274.5	1280.3	1293.4
27.5°	1191.6	1244.1	1288.2	1317.1	1334.6	1341.2	1345.2
30°	1226.5	1278.8	1312.0	1330.5	1336.1	1335.5	1334.9
32.5°	1243.6	1276.4	1282.7	1277.5	1264.8	1253.9	1242.7
35°	1219.4	1194.9	1158.3	1111.3	1076.6	1041.5	1038.1
37.5°	1096.7	1018.4	957.6	889.7	850.4	826.2	809.4
40°	981.1	892.3	818.6	761.2	721.3	705.6	690.1
42.5°	855.8	770.9	705.6	657.7	627.7	610.2	597.9
45°	695.3	620.4	569.2	534.6	510.7	497.1	489.3
47.5°	569.7	514.3	470.9	445.9	429.4	418.8	418.8
50°	502.4	449.4	420.6	400.8	386.5	378.1	379.7
52.5°	442.6	403.1	378.5	361.8	351.3	346.2	346.0
55°	370.1	341.6	325.5	313.4	306.3	300.4	301.7
57.5°	316.6	292.5	281.8	271.7	266.8	264.4	261.1
60°	283.4	264.8	255.5	247.4	242.5	240.7	237.3
62.5°	253.9	239.3	230.2	223.6	219.2	218.6	215.9
65°	213.4	202.3	194.2	191.1	186.5	185.2	185.2
67.5°	175.9	168.0	161.7	158.8	156.8	157.1	155.6
70°	152.4	145.9	141.9	138.8	137.2	137.5	136.2
72.5°	133.3	126.0	122.5	120.7	118.6	119.4	119.0
75°	100.9	97.3	95.4	93.5	92.3	91.6	91.1
77.5°	74.1	70.8	69.5	68.4	68.6	67.1	68.2
80°	57.3	54.5	53.6	52.0	51.7	51.7	51.4
82.5°	41.9	40.4	39.7	38.4	37.8	38.3	37.5
85°	21.7	20.5	20.1	20.1	19.5	18.9	20.5
87.5°	11.1	10.3	10.4	10.4	10.4	10.3	9.9
90°	16.0	16.9	17.6	18.2	18.7	19.2	19.8
92.5°	16.0	16.9	17.4	17.7	17.9	18.2	18.5
95°	16.0	16.9	17.3	17.3	17.3	17.3	17.3
97.5°	25.0	19.9	17.3	17.3	17.3	17.3	17.3
100°	61.6	34.2	20.2	19.5	18.8	18.0	17.3
102.5°	167.5	162.4	153.6	141.1	128.7	116.2	103.7
105°	245.7	245.7	245.6	245.5	245.2	245.1	244.9
107.5°	311.1	311.2	311.0	310.4	309.8	309.2	308.8
110°	352.9	352.4	352.2	352.4	352.5	352.7	352.9



TEST NUMBER: P333382-930

CATALOG NUMBER: S125DIW-S610D1050U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	394.7	394.0	393.5	393.3	393.0	392.7	392.5
115°	457.9	457.1	456.2	455.2	454.0	453.0	451.8
117.5°	518.8	517.8	517.1	516.7	516.2	515.7	515.2
120°	558.8	558.4	557.7	556.8	556.0	555.1	554.1
122.5°	596.4	596.0	595.3	594.3	593.2	592.2	591.1
125°	650.9	650.1	649.5	649.0	648.4	647.8	647.3
127.5°	701.3	700.9	700.0	698.7	697.3	695.9	694.6
130°	733.9	733.3	732.5	731.6	730.8	729.9	729.0
132.5°	764.8	764.8	764.3	763.4	762.4	761.5	760.6
135°	809.4	809.1	808.4	807.2	806.2	805.0	804.0
137.5°	851.7	851.7	851.3	850.4	849.4	848.5	847.5
140°	877.6	878.0	877.6	876.5	875.4	874.3	873.2
142.5°	902.5	902.5	902.0	900.9	899.8	898.7	897.6
145°	938.1	938.2	937.8	936.7	935.6	934.5	933.4
147.5°	968.6	968.7	968.2	966.9	965.6	964.3	963.0
150°	988.1	988.5	987.9	986.4	985.0	983.5	982.0
152.5°	1005.3	1005.6	1005.2	1003.8	1002.5	1001.2	999.9
155°	1029.1	1029.6	1029.2	1027.7	1026.2	1024.7	1023.3
157.5°	1048.6	1049.2	1048.8	1047.3	1045.9	1044.4	1042.9
160°	1060.9	1061.7	1061.3	1059.9	1058.4	1057.0	1055.5
162.5°	1072.4	1073.4	1073.1	1071.5	1069.9	1068.3	1066.7
165°	1086.8	1087.9	1087.7	1086.2	1084.8	1083.3	1081.8
167.5°	1097.8	1099.2	1099.0	1097.3	1095.7	1094.1	1092.4
170°	1103.6	1105.1	1104.9	1103.3	1101.6	1100.0	1098.3
172.5°	1107.7	1109.1	1108.9	1107.3	1105.5	1103.9	1102.3
175°	1112.6	1114.1	1114.0	1112.3	1110.7	1109.1	1107.4
177.5°	1114.1	1115.2	1115.1	1113.9	1112.7	1111.6	1110.4
180°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3

(END OF REPORT)