

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333383-830

Luminaire Tested: **S125DIW-S610D1050U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333383-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D1050U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

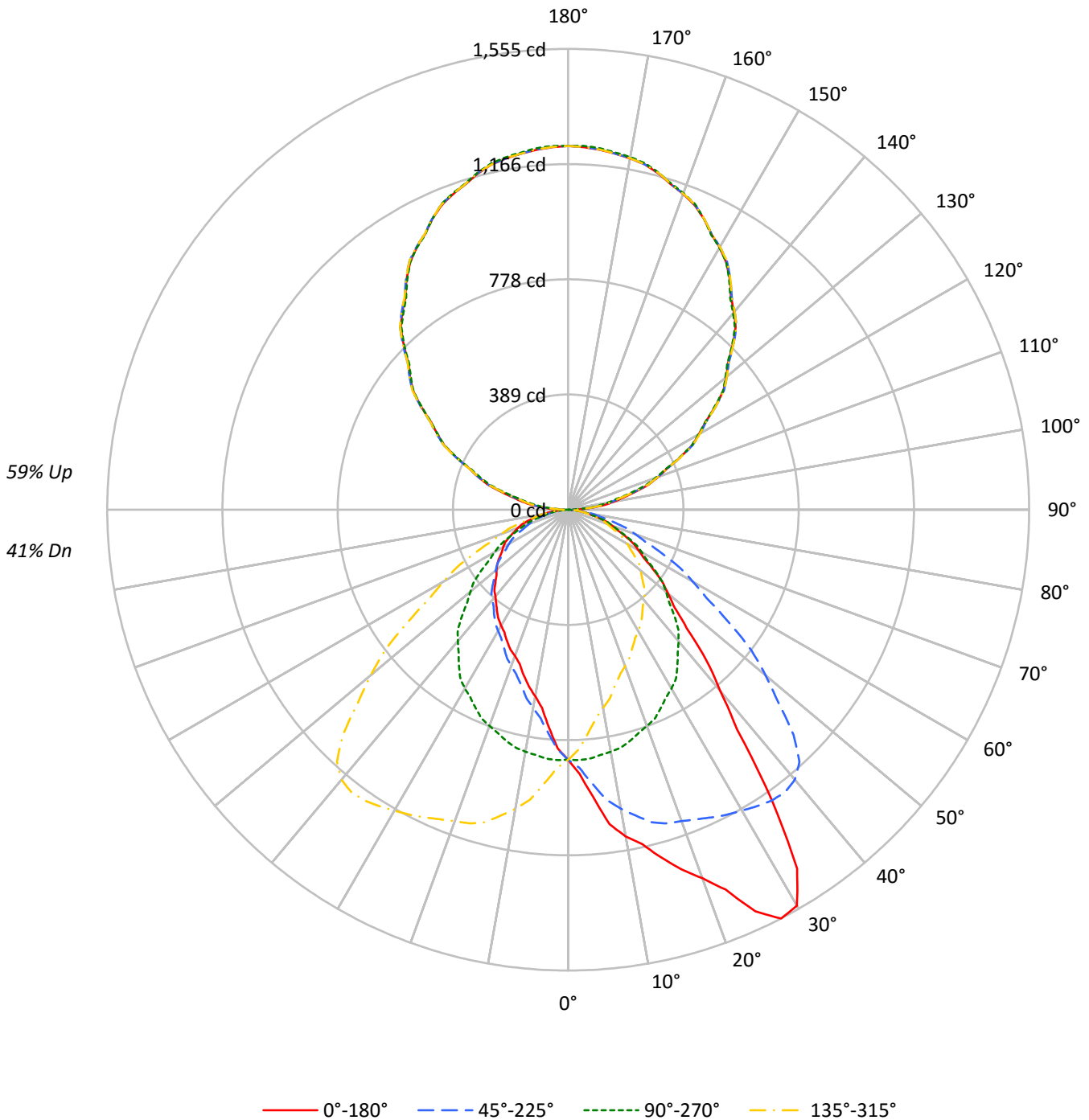
Lumens per Lamp: N/A  
Luminaire Lumens: 5807.6 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	31	30	25
4	73	63	55	49	66	57	51	46	48	43	39	38	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17
7	57	45	37	32	52	41	35	30	35	29	26	28	24	21	22	20	17	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	18	15	13	11

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

	0°	90°	180°	270°
0°	5448	5448	5448	5448
5°	6309	5466	4786	5466
10°	7340	5438	4194	5438
15°	8125	5398	3869	5398
20°	9095	5335	3608	5335
25°	10655	5264	3480	5264
30°	11508	5193	3370	5193
35°	9462	5062	3297	5062
40°	6726	4878	3217	4878
45°	5167	4631	3172	4631
50°	4410	4324	3166	4324
55°	3926	4023	3193	4023
60°	3543	3695	3274	3695
65°	3272	3365	3359	3365
70°	2974	3021	3408	3021
75°	2628	2662	3376	2662
80°	2213	2168	3087	2168
85°	1756	1564	2490	1564



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	1.4
10°-20°	241.8	4.2
20°-30°	392.6	6.8
30°-40°	478.9	8.2
40°-50°	435.7	7.5
50°-60°	347.0	6.0
60°-70°	241.7	4.2
70°-80°	128.9	2.2
80°-90°	35.2	0.6
90°-100°	82.2	1.4
100°-110°	242.7	4.2
110°-120°	411.1	7.1
120°-130°	541.1	9.3
130°-140°	606.3	10.4
140°-150°	594.2	10.2
150°-160°	499.1	8.6
160°-170°	331.7	5.7
170°-180°	116.1	2.0
0°-30°	715.6	12.3
0°-40°	1194.5	20.6
0°-60°	1977.3	34.0
0°-90°	2383.1	41.0
90°-120°	736.0	12.7
90°-150°	2477.6	42.7
90°-180°	3424.0	59.0
0°-180°	5807.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	844	844	844	844	844	
5°	973	843	738	843	973	98
15°	1215	807	579	807	1215	348
25°	1495	739	488	739	1495	683
35°	1200	642	418	642	1200	735
45°	566	507	347	507	566	453
55°	349	357	284	357	349	314
65°	214	220	220	220	214	212
75°	105	107	135	107	105	113
85°	24	21	34	21	24	28
90°	23	1	23	1	23	14
95°	82	62	82	62	82	84
105°	237	218	237	218	237	251
115°	416	412	416	412	416	411
125°	604	601	604	601	604	540
135°	784	781	784	781	784	605
145°	950	946	950	946	950	593
155°	1083	1083	1083	1083	1083	498
165°	1175	1178	1175	1178	1175	331
175°	1220	1224	1220	1224	1220	116
180°	1227	1227	1227	1227	1227	



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	892.3	891.1	889.9	887.7	889.4	884.5	882.2	878.3	873.4	871.7	869.6
5°	973.2	975.0	976.8	969.2	970.0	965.0	953.5	944.1	936.7	927.0	920.2
7.5°	1070.5	1066.3	1066.0	1061.1	1052.7	1046.0	1034.0	1018.6	1003.8	986.9	973.0
10°	1119.3	1119.6	1116.4	1110.7	1101.7	1095.2	1079.5	1064.5	1046.2	1024.7	1009.4
12.5°	1155.9	1157.4	1153.4	1145.7	1141.2	1126.8	1114.5	1096.6	1074.9	1057.7	1034.3
15°	1215.2	1211.3	1208.4	1198.7	1191.2	1176.2	1156.5	1137.8	1114.3	1092.4	1070.5
17.5°	1272.3	1275.5	1270.2	1261.3	1238.0	1220.4	1194.0	1168.6	1139.1	1109.8	1083.7
20°	1323.3	1326.3	1318.0	1302.6	1274.7	1257.1	1222.4	1189.4	1155.5	1117.9	1089.2
22.5°	1387.0	1384.7	1373.6	1350.1	1326.0	1293.5	1255.9	1215.8	1173.2	1130.7	1092.6
25°	1495.2	1480.2	1473.4	1444.4	1412.5	1364.9	1313.3	1254.6	1201.6	1145.4	1096.7
27.5°	1555.2	1550.5	1542.9	1522.7	1489.2	1438.3	1377.5	1306.0	1231.1	1160.3	1096.5
30°	1543.2	1543.9	1544.6	1538.1	1516.7	1478.4	1417.9	1340.9	1252.1	1172.2	1098.5
32.5°	1436.6	1449.6	1462.2	1476.9	1482.9	1475.6	1437.7	1368.1	1276.8	1186.0	1097.3
35°	1200.1	1204.1	1244.6	1284.7	1339.1	1381.4	1409.7	1378.8	1301.8	1197.7	1096.0
37.5°	935.8	955.2	983.2	1028.5	1107.0	1177.3	1267.8	1309.4	1284.5	1201.5	1093.4
40°	797.8	815.7	833.9	880.1	946.3	1031.5	1134.3	1222.0	1242.5	1189.4	1084.9
42.5°	691.2	705.4	725.7	760.3	815.7	891.2	989.4	1104.0	1174.5	1154.5	1066.9
45°	565.7	574.7	590.4	618.0	658.1	717.2	803.8	929.2	1038.3	1074.5	1024.0
47.5°	484.2	484.2	496.4	515.5	544.4	594.6	658.6	756.9	873.5	959.8	955.7
50°	438.9	437.2	446.9	463.4	486.3	519.5	580.8	659.2	771.3	869.0	896.2
52.5°	400.0	400.2	406.1	418.3	437.5	466.0	511.7	582.4	678.2	778.4	829.7
55°	348.7	347.3	354.1	362.3	376.4	394.9	427.9	481.9	559.6	658.5	725.0
57.5°	301.8	305.7	308.4	314.1	325.7	338.2	366.0	405.7	467.3	552.1	622.5
60°	274.3	278.2	280.3	286.1	295.4	306.1	327.6	359.9	411.8	484.8	554.6
62.5°	249.6	252.7	253.4	258.5	266.2	276.6	293.5	320.6	361.7	425.5	493.9
65°	214.1	214.1	215.6	220.9	224.5	233.8	246.7	266.4	299.4	349.1	407.5
67.5°	179.8	181.6	181.3	183.6	186.9	194.2	203.4	219.6	244.0	280.3	327.1
70°	157.5	159.0	158.6	160.4	164.0	168.6	176.2	191.5	209.1	240.3	280.3
72.5°	137.5	138.1	137.1	139.5	141.7	145.7	154.1	162.3	178.7	205.0	238.0
75°	105.3	105.9	106.7	108.1	110.3	112.4	116.7	125.0	135.7	155.4	176.5
77.5°	78.9	77.6	79.3	79.1	80.3	81.9	85.7	90.1	98.9	111.3	127.7
80°	59.5	59.8	59.8	60.1	61.9	63.1	66.3	69.5	76.3	85.6	97.0
82.5°	43.4	44.3	43.7	44.4	45.9	46.7	48.4	51.1	55.0	62.4	70.7
85°	23.7	21.9	22.5	23.3	23.3	23.7	25.1	26.1	28.3	31.1	34.4
87.5°	11.5	11.9	12.1	12.0	12.1	12.0	12.8	12.6	13.3	13.9	14.8
90°	22.9	22.2	21.7	21.0	20.4	19.5	18.5	17.4	16.3	15.3	13.8
92.5°	45.1	44.6	44.1	43.6	43.2	42.3	40.9	39.5	38.1	36.7	34.9
95°	82.1	81.7	81.2	80.9	80.4	79.5	77.9	76.5	75.0	73.5	71.4
97.5°	124.5	124.3	124.0	123.8	123.5	122.7	121.3	119.9	118.5	117.1	114.1
100°	156.7	156.2	155.8	155.3	155.0	153.7	151.8	150.0	148.1	146.1	143.4
102.5°	188.7	188.1	187.6	186.9	186.3	185.0	182.9	180.9	178.8	176.7	175.3
105°	236.9	236.2	235.5	235.0	234.3	233.4	232.1	230.8	229.5	228.3	227.0
107.5°	286.2	286.2	286.3	286.3	286.3	286.0	285.4	284.7	284.1	283.4	282.5
110°	322.8	323.0	323.2	323.5	323.7	323.5	322.8	322.2	321.5	320.9	320.3



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	358.7	359.1	359.5	359.9	360.2	360.2	360.0	359.7	359.4	359.1	358.3
115°	415.5	415.7	415.8	416.0	416.3	416.5	416.7	416.9	417.2	417.4	416.9
117.5°	470.8	471.6	472.5	473.3	474.2	474.6	474.4	474.2	474.1	473.9	473.5
120°	509.1	509.9	510.8	511.6	512.5	512.8	512.8	512.8	512.8	512.8	512.6
122.5°	547.2	547.9	548.6	549.3	550.0	550.4	550.5	550.7	550.9	551.1	550.5
125°	604.5	604.7	604.9	605.2	605.4	605.7	606.1	606.5	607.0	607.4	607.2
127.5°	659.6	660.0	660.4	660.8	661.3	661.6	661.8	661.9	662.2	662.4	662.1
130°	696.3	696.6	697.1	697.5	698.0	698.2	698.4	698.7	698.9	699.1	698.7
132.5°	730.6	731.2	731.8	732.4	733.0	733.4	733.6	733.8	734.1	734.2	734.3
135°	784.1	784.9	785.8	786.6	787.5	787.9	787.9	787.9	787.9	787.9	787.7
137.5°	836.4	837.4	838.6	839.6	840.7	841.0	840.8	840.6	840.3	840.1	839.6
140°	870.1	871.1	872.1	873.3	874.3	874.6	874.2	873.7	873.4	872.9	872.2
142.5°	902.1	903.2	904.3	905.3	906.3	906.8	906.5	906.3	906.0	905.8	904.9
145°	950.3	950.9	951.5	952.2	952.8	953.1	953.1	953.1	953.1	953.1	952.5
147.5°	991.4	992.8	994.2	995.7	997.1	997.6	997.0	996.6	996.1	995.5	995.0
150°	1021.9	1022.3	1022.8	1023.1	1023.6	1023.8	1023.8	1023.8	1023.8	1023.8	1022.9
152.5°	1047.1	1047.8	1048.7	1049.4	1050.2	1050.3	1049.8	1049.2	1048.8	1048.3	1047.9
155°	1083.0	1084.1	1085.1	1086.2	1087.2	1087.4	1086.6	1085.7	1084.9	1084.0	1083.7
157.5°	1113.0	1114.4	1115.8	1117.2	1118.6	1118.9	1118.0	1117.2	1116.3	1115.5	1115.3
160°	1133.6	1134.7	1135.8	1136.8	1137.8	1138.0	1137.2	1136.3	1135.5	1134.6	1134.3
162.5°	1151.2	1152.4	1153.7	1154.9	1156.1	1156.2	1155.2	1154.2	1153.2	1152.2	1152.2
165°	1174.7	1176.0	1177.2	1178.6	1179.8	1180.0	1179.1	1178.3	1177.4	1176.6	1176.4
167.5°	1193.4	1194.8	1196.1	1197.4	1198.7	1198.7	1197.4	1196.2	1194.9	1193.6	1193.6
170°	1203.3	1204.9	1206.4	1207.8	1209.3	1209.4	1208.2	1206.8	1205.6	1204.3	1204.3
172.5°	1211.7	1213.1	1214.4	1215.7	1217.0	1217.0	1215.8	1214.5	1213.2	1211.9	1211.9
175°	1219.6	1221.1	1222.6	1224.1	1225.5	1225.7	1224.4	1223.0	1221.8	1220.5	1220.5
177.5°	1224.2	1225.4	1226.5	1227.8	1228.9	1229.0	1228.0	1227.0	1226.0	1224.9	1225.1
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	867.9	865.9	863.7	859.6	854.7	852.2	848.2	845.6	840.4	836.1	831.5
5°	911.9	902.7	894.1	883.0	870.8	862.9	853.6	843.2	832.5	821.3	809.2
7.5°	957.5	941.1	923.2	903.9	885.1	867.8	851.2	835.0	819.8	801.4	785.9
10°	988.3	967.4	945.3	919.1	893.7	871.5	848.9	829.2	809.2	787.7	768.7
12.5°	1018.9	991.2	959.9	931.1	900.6	873.8	847.3	822.1	796.9	773.1	751.0
15°	1040.5	1016.2	987.1	946.3	911.9	875.1	840.0	807.4	776.9	750.5	722.6
17.5°	1054.7	1023.4	992.2	953.1	908.0	866.8	827.0	789.8	755.4	721.8	694.9
20°	1057.3	1025.1	992.5	954.2	908.0	860.7	821.0	776.3	739.3	704.6	671.7
22.5°	1056.5	1019.9	984.5	945.0	900.0	856.5	808.4	762.8	722.7	688.6	654.2
25°	1048.4	1009.4	965.0	925.2	880.8	834.6	785.9	738.7	697.9	658.8	624.8
27.5°	1041.6	991.0	940.8	894.4	851.5	809.2	762.6	714.2	668.9	629.3	597.3
30°	1033.3	977.8	921.2	872.9	828.9	787.7	743.7	696.4	649.1	610.5	576.1
32.5°	1025.9	961.2	901.5	848.9	802.3	762.2	721.6	676.7	630.3	591.0	556.7
35°	1011.5	936.7	868.3	808.8	759.0	717.9	683.9	642.0	599.4	561.4	528.5
37.5°	993.3	904.5	831.0	768.7	714.2	670.8	639.1	607.0	566.1	529.5	499.7
40°	978.9	881.6	803.8	740.1	683.5	638.4	609.1	578.6	544.6	510.6	479.1
42.5°	960.8	860.9	776.3	707.8	651.8	607.8	576.9	551.1	521.1	489.4	460.1
45°	927.7	823.5	731.9	658.1	601.5	558.2	526.3	507.0	484.5	454.4	429.7
47.5°	878.9	778.6	683.8	607.7	549.3	509.2	479.3	460.7	444.9	422.5	400.1
50°	835.7	745.1	649.1	573.6	515.2	474.8	447.2	430.4	416.8	399.5	380.6
52.5°	787.3	702.9	615.1	540.4	482.6	442.7	415.7	400.9	389.6	377.2	358.5
55°	710.4	638.8	557.1	486.3	432.9	393.9	370.2	357.3	348.0	338.7	327.3
57.5°	625.7	569.7	497.3	432.5	383.4	347.9	325.8	313.3	306.0	301.2	294.5
60°	566.1	518.1	455.8	396.7	348.7	317.3	295.8	286.1	280.0	276.1	271.1
62.5°	510.8	471.4	413.7	359.8	317.8	288.0	268.8	259.5	253.6	251.8	247.5
65°	429.3	398.9	351.3	306.5	270.7	245.2	229.1	220.2	216.6	214.4	214.8
67.5°	349.0	330.5	292.3	254.1	225.5	204.2	191.2	184.4	182.6	179.7	179.6
70°	300.0	286.1	253.8	220.6	195.1	178.7	167.2	160.0	158.3	156.8	156.5
72.5°	256.7	244.6	216.6	189.9	167.1	152.6	143.2	138.8	135.9	135.1	135.0
75°	193.0	186.2	164.0	142.9	127.1	117.1	110.7	106.7	104.5	104.2	104.5
77.5°	137.2	131.3	117.2	102.2	92.3	84.6	79.2	77.9	75.4	75.5	75.1
80°	103.1	99.2	90.2	78.4	70.2	63.7	60.9	58.3	57.7	56.6	57.7
82.5°	74.7	70.5	64.5	56.9	50.1	46.3	43.4	42.6	42.1	41.7	41.8
85°	36.9	37.2	33.6	27.9	25.1	22.9	21.1	21.1	20.7	20.5	20.7
87.5°	15.1	14.2	12.7	11.6	9.8	8.6	8.0	7.9	7.4	7.4	8.1
90°	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9	2.6	4.3	6.0
92.5°	33.0	31.2	29.4	27.9	26.7	25.4	24.3	23.1	24.3	25.4	26.7
95°	69.3	67.2	65.0	63.8	63.3	63.0	62.5	62.1	62.5	63.0	63.3
97.5°	111.2	108.3	105.4	103.9	103.7	103.5	103.3	103.1	103.3	103.5	103.7
100°	140.6	137.8	135.1	133.7	133.7	133.7	133.7	133.7	133.7	133.7	133.7
102.5°	173.9	172.5	171.1	169.9	169.1	168.2	167.4	166.5	167.4	168.2	169.1
105°	225.7	224.4	223.2	222.0	220.9	219.9	218.8	217.7	218.8	219.9	220.9
107.5°	281.5	280.5	279.6	278.5	277.5	276.4	275.3	274.3	275.3	276.4	277.5
110°	319.6	319.0	318.4	317.5	316.4	315.4	314.3	313.2	314.3	315.4	316.4





TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	357.5	356.7	355.9	355.2	354.7	354.1	353.5	353.0	353.5	354.1	354.7
115°	416.5	416.0	415.7	415.0	414.2	413.3	412.5	411.6	412.5	413.3	414.2
117.5°	473.2	472.8	472.4	472.0	471.6	471.2	470.8	470.4	470.8	471.2	471.6
120°	512.5	512.2	512.0	511.3	510.3	509.3	508.2	507.1	508.2	509.3	510.3
122.5°	550.0	549.4	548.8	548.4	548.0	547.6	547.2	546.9	547.2	547.6	548.0
125°	607.0	606.8	606.5	605.8	604.5	603.2	602.0	600.7	602.0	603.2	604.5
127.5°	661.9	661.7	661.4	660.9	660.2	659.5	658.7	658.0	658.7	659.5	660.2
130°	698.2	697.9	697.4	696.6	695.6	694.6	693.4	692.4	693.4	694.6	695.6
132.5°	734.4	734.5	734.6	733.8	732.0	730.3	728.5	726.8	728.5	730.3	732.0
135°	787.5	787.3	787.0	786.4	785.0	783.7	782.5	781.2	782.5	783.7	785.0
137.5°	839.1	838.7	838.2	837.4	836.1	834.9	833.7	832.5	833.7	834.9	836.1
140°	871.7	871.0	870.3	869.5	868.5	867.4	866.3	865.3	866.3	867.4	868.5
142.5°	904.2	903.3	902.6	901.7	900.8	899.9	899.0	898.1	899.0	899.9	900.8
145°	951.9	951.2	950.6	949.8	949.0	948.1	947.3	946.4	947.3	948.1	949.0
147.5°	994.5	994.0	993.5	993.0	992.5	992.1	991.6	991.2	991.6	992.1	992.5
150°	1022.1	1021.2	1020.4	1020.1	1020.3	1020.5	1020.8	1021.0	1020.8	1020.5	1020.3
152.5°	1047.5	1047.3	1046.9	1046.6	1046.3	1045.9	1045.7	1045.4	1045.7	1045.9	1046.3
155°	1083.5	1083.4	1083.1	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
157.5°	1115.0	1114.8	1114.7	1114.7	1115.2	1115.7	1116.2	1116.6	1116.2	1115.7	1115.2
160°	1134.2	1134.0	1133.8	1134.0	1134.6	1135.2	1135.9	1136.5	1135.9	1135.2	1134.6
162.5°	1152.1	1152.1	1152.0	1152.2	1152.6	1153.1	1153.6	1154.0	1153.6	1153.1	1152.6
165°	1176.2	1176.0	1175.7	1175.8	1176.3	1176.7	1177.1	1177.6	1177.1	1176.7	1176.3
167.5°	1193.6	1193.6	1193.6	1194.0	1194.9	1195.7	1196.6	1197.4	1196.6	1195.7	1194.9
170°	1204.3	1204.3	1204.3	1204.8	1205.6	1206.5	1207.3	1208.2	1207.3	1206.5	1205.6
172.5°	1211.9	1211.9	1211.9	1212.4	1213.2	1214.1	1214.9	1215.8	1214.9	1214.1	1213.2
175°	1220.5	1220.5	1220.5	1221.0	1221.8	1222.7	1223.5	1224.4	1223.5	1222.7	1221.8
177.5°	1225.3	1225.4	1225.6	1226.1	1226.7	1227.4	1228.0	1228.8	1228.0	1227.4	1226.7
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	829.0	825.8	823.2	817.5	814.4	810.0	806.6	810.3	806.3	808.0	805.5
5°	803.1	793.1	785.9	775.5	766.6	758.4	752.2	751.2	748.3	746.9	742.6
7.5°	772.0	759.5	747.2	733.6	722.1	710.5	702.9	696.8	692.8	687.4	683.7
10°	753.7	736.9	722.6	706.1	691.7	679.2	669.2	664.2	659.5	652.7	650.3
12.5°	731.0	713.7	696.2	678.5	664.9	650.8	642.2	634.7	631.5	623.8	623.0
15°	703.9	677.8	660.6	642.7	623.7	612.3	605.1	596.9	593.3	588.0	584.0
17.5°	671.6	648.2	626.7	608.2	591.9	582.3	573.3	567.7	561.6	558.1	551.6
20°	648.1	625.8	604.4	584.7	572.1	561.1	553.9	548.6	542.1	540.3	533.9
22.5°	628.3	603.8	583.2	566.7	553.0	540.5	532.7	529.0	524.6	519.1	517.8
25°	596.2	570.7	553.2	536.7	524.5	513.1	507.7	503.0	498.8	494.8	493.4
27.5°	568.4	545.6	524.8	509.9	499.4	488.9	484.2	478.5	475.3	472.2	468.3
30°	548.9	525.7	507.4	493.0	481.5	472.3	467.2	463.4	460.4	457.6	455.4
32.5°	528.9	507.3	489.6	475.6	464.1	457.1	452.6	449.9	446.7	443.3	440.5
35°	502.4	478.7	461.6	449.3	440.4	435.0	430.0	427.5	424.0	424.0	421.0
37.5°	472.5	452.0	436.9	425.7	417.7	412.9	407.6	405.9	403.5	402.0	401.1
40°	454.7	435.7	421.4	410.3	401.7	397.8	393.5	390.6	389.2	387.4	386.7
42.5°	436.4	418.3	404.5	394.3	386.8	383.4	379.5	377.5	374.6	372.2	371.8
45°	408.5	391.0	378.4	370.2	363.8	359.9	357.3	353.1	351.6	348.7	348.4
47.5°	382.1	365.2	353.0	346.2	340.5	337.3	333.4	329.1	327.4	326.0	325.9
50°	362.3	346.9	335.5	329.0	323.7	319.1	315.1	312.3	311.1	311.1	311.9
52.5°	342.3	329.2	319.4	311.6	306.5	301.5	297.9	296.1	294.5	296.2	297.6
55°	312.9	299.7	292.6	285.0	280.0	274.3	272.5	271.7	270.7	273.5	274.9
57.5°	281.8	272.6	264.2	256.7	252.2	248.9	246.5	246.1	248.1	249.4	254.1
60°	262.1	251.4	243.8	238.1	232.7	230.5	229.9	229.1	230.5	234.5	240.6
62.5°	240.3	231.6	223.5	219.2	215.3	211.7	211.5	212.0	214.8	219.3	225.5
65°	208.4	200.9	195.5	190.5	187.3	185.1	185.9	187.3	190.5	196.6	203.4
67.5°	176.0	170.8	166.0	161.9	158.8	158.8	159.6	161.7	165.5	172.5	178.7
70°	155.0	149.3	145.3	143.5	141.1	139.7	141.8	145.3	148.5	155.0	160.4
72.5°	134.1	129.2	126.2	125.0	123.9	122.7	123.5	127.3	131.7	138.2	144.4
75°	103.1	101.3	99.2	97.7	96.7	97.4	98.1	101.7	105.3	112.1	119.2
77.5°	75.3	73.4	72.1	71.7	71.2	71.5	73.5	76.2	79.7	84.6	90.1
80°	56.9	56.2	55.5	55.1	55.1	55.5	58.3	60.1	63.3	68.1	72.3
82.5°	41.5	41.0	40.9	40.8	41.1	41.2	42.9	45.2	47.9	51.5	55.1
85°	21.9	21.1	22.2	22.5	21.9	22.9	23.7	25.1	26.1	27.9	29.7
87.5°	8.7	9.6	9.6	10.2	10.5	11.4	11.3	12.6	13.5	14.2	14.1
90°	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.4	18.5	19.5	20.4
92.5°	27.9	29.4	31.2	33.0	34.9	36.7	38.1	39.5	40.9	42.3	43.2
95°	63.8	65.0	67.2	69.3	71.4	73.5	75.0	76.5	77.9	79.5	80.4
97.5°	103.9	105.4	108.3	111.2	114.1	117.1	118.5	119.9	121.3	122.7	123.5
100°	133.7	135.1	137.8	140.6	143.4	146.1	148.1	150.0	151.8	153.7	155.0
102.5°	169.9	171.1	172.5	173.9	175.3	176.7	178.8	180.9	182.9	185.0	186.3
105°	222.0	223.2	224.4	225.7	227.0	228.3	229.5	230.8	232.1	233.4	234.3
107.5°	278.5	279.6	280.5	281.5	282.5	283.4	284.1	284.7	285.4	286.0	286.3
110°	317.5	318.4	319.0	319.6	320.3	320.9	321.5	322.2	322.8	323.5	323.7



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	355.2	355.9	356.7	357.5	358.3	359.1	359.4	359.7	360.0	360.2	360.2
115°	415.0	415.7	416.0	416.5	416.9	417.4	417.2	416.9	416.7	416.5	416.3
117.5°	472.0	472.4	472.8	473.2	473.5	473.9	474.1	474.2	474.4	474.6	474.2
120°	511.3	512.0	512.2	512.5	512.6	512.8	512.8	512.8	512.8	512.8	512.5
122.5°	548.4	548.8	549.4	550.0	550.5	551.1	550.9	550.7	550.5	550.4	550.0
125°	605.8	606.5	606.8	607.0	607.2	607.4	607.0	606.5	606.1	605.7	605.4
127.5°	660.9	661.4	661.7	661.9	662.1	662.4	662.2	661.9	661.8	661.6	661.3
130°	696.6	697.4	697.9	698.2	698.7	699.1	698.9	698.7	698.4	698.2	698.0
132.5°	733.8	734.6	734.5	734.4	734.3	734.2	734.1	733.8	733.6	733.4	733.0
135°	786.4	787.0	787.3	787.5	787.7	787.9	787.9	787.9	787.9	787.9	787.5
137.5°	837.4	838.2	838.7	839.1	839.6	840.1	840.3	840.6	840.8	841.0	840.7
140°	869.5	870.3	871.0	871.7	872.2	872.9	873.4	873.7	874.2	874.6	874.3
142.5°	901.7	902.6	903.3	904.2	904.9	905.8	906.0	906.3	906.5	906.8	906.3
145°	949.8	950.6	951.2	951.9	952.5	953.1	953.1	953.1	953.1	953.1	952.8
147.5°	993.0	993.5	994.0	994.5	995.0	995.5	996.1	996.6	997.0	997.6	997.1
150°	1020.1	1020.4	1021.2	1022.1	1022.9	1023.8	1023.8	1023.8	1023.8	1023.8	1023.6
152.5°	1046.6	1046.9	1047.3	1047.5	1047.9	1048.3	1048.8	1049.2	1049.8	1050.3	1050.2
155°	1083.0	1083.1	1083.4	1083.5	1083.7	1084.0	1084.9	1085.7	1086.6	1087.4	1087.2
157.5°	1114.7	1114.7	1114.8	1115.0	1115.3	1115.5	1116.3	1117.2	1118.0	1118.9	1118.6
160°	1134.0	1133.8	1134.0	1134.2	1134.3	1134.6	1135.5	1136.3	1137.2	1138.0	1137.8
162.5°	1152.2	1152.0	1152.1	1152.1	1152.2	1152.2	1153.2	1154.2	1155.2	1156.2	1156.1
165°	1175.8	1175.7	1176.0	1176.2	1176.4	1176.6	1177.4	1178.3	1179.1	1180.0	1179.8
167.5°	1194.0	1193.6	1193.6	1193.6	1193.6	1193.6	1194.9	1196.2	1197.4	1198.7	1198.7
170°	1204.8	1204.3	1204.3	1204.3	1204.3	1204.3	1205.6	1206.8	1208.2	1209.4	1209.3
172.5°	1212.4	1211.9	1211.9	1211.9	1211.9	1211.9	1213.2	1214.5	1215.8	1217.0	1217.0
175°	1221.0	1220.5	1220.5	1220.5	1220.5	1220.5	1221.8	1223.0	1224.4	1225.7	1225.5
177.5°	1226.1	1225.6	1225.4	1225.3	1225.1	1224.9	1226.0	1227.0	1228.0	1229.0	1228.9
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	803.7	805.8	804.1	806.3	804.1	805.8	803.7	805.5	808.0	806.3	810.3
5°	740.8	737.5	739.7	738.3	739.7	737.5	740.8	742.6	746.9	748.3	751.2
7.5°	682.7	679.6	676.1	674.4	676.1	679.6	682.7	683.7	687.4	692.8	696.8
10°	646.3	642.3	642.0	639.5	642.0	642.3	646.3	650.3	652.7	659.5	664.2
12.5°	619.6	616.0	611.9	610.9	611.9	616.0	619.6	623.0	623.8	631.5	634.7
15°	581.8	579.0	576.5	578.6	576.5	579.0	581.8	584.0	588.0	593.3	596.9
17.5°	550.4	548.0	547.6	545.0	547.6	548.0	550.4	551.6	558.1	561.6	567.7
20°	530.7	528.9	529.5	524.9	529.5	528.9	530.7	533.9	540.3	542.1	548.6
22.5°	514.9	511.3	511.0	510.0	511.0	511.3	514.9	517.8	519.1	524.6	529.0
25°	490.2	488.4	486.6	488.4	486.6	488.4	490.2	493.4	494.8	498.8	503.0
27.5°	468.6	466.5	466.0	466.2	466.0	466.5	468.6	468.3	472.2	475.3	478.5
30°	455.4	451.9	452.2	451.9	452.2	451.9	455.4	455.4	457.6	460.4	463.4
32.5°	441.1	438.7	438.2	437.5	438.2	438.7	441.1	440.5	443.3	446.7	449.9
35°	420.0	420.0	418.2	418.2	418.2	420.0	420.0	421.0	424.0	424.0	427.5
37.5°	400.1	399.8	398.7	398.9	398.7	399.8	400.1	401.1	402.0	403.5	405.9
40°	385.2	384.9	383.8	381.6	383.8	384.9	385.2	386.7	387.4	389.2	390.6
42.5°	371.0	369.8	369.2	368.5	369.2	369.8	371.0	371.8	372.2	374.6	377.5
45°	348.4	348.4	347.7	347.3	347.7	348.4	348.4	348.4	348.7	351.6	353.1
47.5°	326.5	327.2	328.5	328.3	328.5	327.2	326.5	325.9	326.0	327.4	329.1
50°	313.3	313.7	314.7	315.1	314.7	313.7	313.3	311.9	311.1	311.1	312.3
52.5°	298.7	300.8	302.1	301.9	302.1	300.8	298.7	297.6	296.2	294.5	296.1
55°	278.2	280.7	283.2	283.6	283.2	280.7	278.2	274.9	273.5	270.7	271.7
57.5°	258.0	261.5	264.1	264.9	264.1	261.5	258.0	254.1	249.4	248.1	246.1
60°	244.2	248.8	252.0	253.5	252.0	248.8	244.2	240.6	234.5	230.5	229.1
62.5°	231.0	236.2	239.5	239.8	239.5	236.2	231.0	225.5	219.3	214.8	212.0
65°	209.4	214.8	217.7	219.8	217.7	214.8	209.4	203.4	196.6	190.5	187.3
67.5°	186.2	191.6	194.8	196.5	194.8	191.6	186.2	178.7	172.5	165.5	161.7
70°	169.4	174.7	179.0	180.5	179.0	174.7	169.4	160.4	155.0	148.5	145.3
72.5°	152.8	157.5	161.0	162.7	161.0	157.5	152.8	144.4	138.2	131.7	127.3
75°	123.9	130.4	133.6	135.3	133.6	130.4	123.9	119.2	112.1	105.3	101.7
77.5°	95.6	101.4	103.3	104.2	103.3	101.4	95.6	90.1	84.6	79.7	76.2
80°	76.6	80.2	82.8	83.0	82.8	80.2	76.6	72.3	68.1	63.3	60.1
82.5°	58.9	61.8	62.7	63.6	62.7	61.8	58.9	55.1	51.5	47.9	45.2
85°	32.2	33.6	34.0	33.6	34.0	33.6	32.2	29.7	27.9	26.1	25.1
87.5°	14.8	14.6	14.8	15.5	14.8	14.6	14.8	14.1	14.2	13.5	12.6
90°	21.0	21.7	22.2	22.9	22.2	21.7	21.0	20.4	19.5	18.5	17.4
92.5°	43.6	44.1	44.6	45.1	44.6	44.1	43.6	43.2	42.3	40.9	39.5
95°	80.9	81.2	81.7	82.1	81.7	81.2	80.9	80.4	79.5	77.9	76.5
97.5°	123.8	124.0	124.3	124.5	124.3	124.0	123.8	123.5	122.7	121.3	119.9
100°	155.3	155.8	156.2	156.7	156.2	155.8	155.3	155.0	153.7	151.8	150.0
102.5°	186.9	187.6	188.1	188.7	188.1	187.6	186.9	186.3	185.0	182.9	180.9
105°	235.0	235.5	236.2	236.9	236.2	235.5	235.0	234.3	233.4	232.1	230.8
107.5°	286.3	286.3	286.2	286.2	286.2	286.3	286.3	286.3	286.0	285.4	284.7
110°	323.5	323.2	323.0	322.8	323.0	323.2	323.5	323.7	323.5	322.8	322.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	359.9	359.5	359.1	358.7	359.1	359.5	359.9	360.2	360.2	360.0	359.7
115°	416.0	415.8	415.7	415.5	415.7	415.8	416.0	416.3	416.5	416.7	416.9
117.5°	473.3	472.5	471.6	470.8	471.6	472.5	473.3	474.2	474.6	474.4	474.2
120°	511.6	510.8	509.9	509.1	509.9	510.8	511.6	512.5	512.8	512.8	512.8
122.5°	549.3	548.6	547.9	547.2	547.9	548.6	549.3	550.0	550.4	550.5	550.7
125°	605.2	604.9	604.7	604.5	604.7	604.9	605.2	605.4	605.7	606.1	606.5
127.5°	660.8	660.4	660.0	659.6	660.0	660.4	660.8	661.3	661.6	661.8	661.9
130°	697.5	697.1	696.6	696.3	696.6	697.1	697.5	698.0	698.2	698.4	698.7
132.5°	732.4	731.8	731.2	730.6	731.2	731.8	732.4	733.0	733.4	733.6	733.8
135°	786.6	785.8	784.9	784.1	784.9	785.8	786.6	787.5	787.9	787.9	787.9
137.5°	839.6	838.6	837.4	836.4	837.4	838.6	839.6	840.7	841.0	840.8	840.6
140°	873.3	872.1	871.1	870.1	871.1	872.1	873.3	874.3	874.6	874.2	873.7
142.5°	905.3	904.3	903.2	902.1	903.2	904.3	905.3	906.3	906.8	906.5	906.3
145°	952.2	951.5	950.9	950.3	950.9	951.5	952.2	952.8	953.1	953.1	953.1
147.5°	995.7	994.2	992.8	991.4	992.8	994.2	995.7	997.1	997.6	997.0	996.6
150°	1023.1	1022.8	1022.3	1021.9	1022.3	1022.8	1023.1	1023.6	1023.8	1023.8	1023.8
152.5°	1049.4	1048.7	1047.8	1047.1	1047.8	1048.7	1049.4	1050.2	1050.3	1049.8	1049.2
155°	1086.2	1085.1	1084.1	1083.0	1084.1	1085.1	1086.2	1087.2	1087.4	1086.6	1085.7
157.5°	1117.2	1115.8	1114.4	1113.0	1114.4	1115.8	1117.2	1118.6	1118.9	1118.0	1117.2
160°	1136.8	1135.8	1134.7	1133.6	1134.7	1135.8	1136.8	1137.8	1138.0	1137.2	1136.3
162.5°	1154.9	1153.7	1152.4	1151.2	1152.4	1153.7	1154.9	1156.1	1156.2	1155.2	1154.2
165°	1178.6	1177.2	1176.0	1174.7	1176.0	1177.2	1178.6	1179.8	1180.0	1179.1	1178.3
167.5°	1197.4	1196.1	1194.8	1193.4	1194.8	1196.1	1197.4	1198.7	1198.7	1197.4	1196.2
170°	1207.8	1206.4	1204.9	1203.3	1204.9	1206.4	1207.8	1209.3	1209.4	1208.2	1206.8
172.5°	1215.7	1214.4	1213.1	1211.7	1213.1	1214.4	1215.7	1217.0	1217.0	1215.8	1214.5
175°	1224.1	1222.6	1221.1	1219.6	1221.1	1222.6	1224.1	1225.5	1225.7	1224.4	1223.0
177.5°	1227.8	1226.5	1225.4	1224.2	1225.4	1226.5	1227.8	1228.9	1229.0	1228.0	1227.0
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	806.6	810.0	814.4	817.5	823.2	825.8	829.0	831.5	836.1	840.4	845.6
5°	752.2	758.4	766.6	775.5	785.9	793.1	803.1	809.2	821.3	832.5	843.2
7.5°	702.9	710.5	722.1	733.6	747.2	759.5	772.0	785.9	801.4	819.8	835.0
10°	669.2	679.2	691.7	706.1	722.6	736.9	753.7	768.7	787.7	809.2	829.2
12.5°	642.2	650.8	664.9	678.5	696.2	713.7	731.0	751.0	773.1	796.9	822.1
15°	605.1	612.3	623.7	642.7	660.6	677.8	703.9	722.6	750.5	776.9	807.4
17.5°	573.3	582.3	591.9	608.2	626.7	648.2	671.6	694.9	721.8	755.4	789.8
20°	553.9	561.1	572.1	584.7	604.4	625.8	648.1	671.7	704.6	739.3	776.3
22.5°	532.7	540.5	553.0	566.7	583.2	603.8	628.3	654.2	688.6	722.7	762.8
25°	507.7	513.1	524.5	536.7	553.2	570.7	596.2	624.8	658.8	697.9	738.7
27.5°	484.2	488.9	499.4	509.9	524.8	545.6	568.4	597.3	629.3	668.9	714.2
30°	467.2	472.3	481.5	493.0	507.4	525.7	548.9	576.1	610.5	649.1	696.4
32.5°	452.6	457.1	464.1	475.6	489.6	507.3	528.9	556.7	591.0	630.3	676.7
35°	430.0	435.0	440.4	449.3	461.6	478.7	502.4	528.5	561.4	599.4	642.0
37.5°	407.6	412.9	417.7	425.7	436.9	452.0	472.5	499.7	529.5	566.1	607.0
40°	393.5	397.8	401.7	410.3	421.4	435.7	454.7	479.1	510.6	544.6	578.6
42.5°	379.5	383.4	386.8	394.3	404.5	418.3	436.4	460.1	489.4	521.1	551.1
45°	357.3	359.9	363.8	370.2	378.4	391.0	408.5	429.7	454.4	484.5	507.0
47.5°	333.4	337.3	340.5	346.2	353.0	365.2	382.1	400.1	422.5	444.9	460.7
50°	315.1	319.1	323.7	329.0	335.5	346.9	362.3	380.6	399.5	416.8	430.4
52.5°	297.9	301.5	306.5	311.6	319.4	329.2	342.3	358.5	377.2	389.6	400.9
55°	272.5	274.3	280.0	285.0	292.6	299.7	312.9	327.3	338.7	348.0	357.3
57.5°	246.5	248.9	252.2	256.7	264.2	272.6	281.8	294.5	301.2	306.0	313.3
60°	229.9	230.5	232.7	238.1	243.8	251.4	262.1	271.1	276.1	280.0	286.1
62.5°	211.5	211.7	215.3	219.2	223.5	231.6	240.3	247.5	251.8	253.6	259.5
65°	185.9	185.1	187.3	190.5	195.5	200.9	208.4	214.8	214.4	216.6	220.2
67.5°	159.6	158.8	158.8	161.9	166.0	170.8	176.0	179.6	179.7	182.6	184.4
70°	141.8	139.7	141.1	143.5	145.3	149.3	155.0	156.5	156.8	158.3	160.0
72.5°	123.5	122.7	123.9	125.0	126.2	129.2	134.1	135.0	135.1	135.9	138.8
75°	98.1	97.4	96.7	97.7	99.2	101.3	103.1	104.5	104.2	104.5	106.7
77.5°	73.5	71.5	71.2	71.7	72.1	73.4	75.3	75.1	75.5	75.4	77.9
80°	58.3	55.5	55.1	55.1	55.5	56.2	56.9	57.7	56.6	57.7	58.3
82.5°	42.9	41.2	41.1	40.8	40.9	41.0	41.5	41.8	41.7	42.1	42.6
85°	23.7	22.9	21.9	22.5	22.2	21.1	21.9	20.7	20.5	20.7	21.1
87.5°	11.3	11.4	10.5	10.2	9.6	9.6	8.7	8.1	7.4	7.4	7.9
90°	16.3	15.3	13.8	12.3	10.8	9.3	7.7	6.0	4.3	2.6	0.9
92.5°	38.1	36.7	34.9	33.0	31.2	29.4	27.9	26.7	25.4	24.3	23.1
95°	75.0	73.5	71.4	69.3	67.2	65.0	63.8	63.3	63.0	62.5	62.1
97.5°	118.5	117.1	114.1	111.2	108.3	105.4	103.9	103.7	103.5	103.3	103.1
100°	148.1	146.1	143.4	140.6	137.8	135.1	133.7	133.7	133.7	133.7	133.7
102.5°	178.8	176.7	175.3	173.9	172.5	171.1	169.9	169.1	168.2	167.4	166.5
105°	229.5	228.3	227.0	225.7	224.4	223.2	222.0	220.9	219.9	218.8	217.7
107.5°	284.1	283.4	282.5	281.5	280.5	279.6	278.5	277.5	276.4	275.3	274.3
110°	321.5	320.9	320.3	319.6	319.0	318.4	317.5	316.4	315.4	314.3	313.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	359.4	359.1	358.3	357.5	356.7	355.9	355.2	354.7	354.1	353.5	353.0
115°	417.2	417.4	416.9	416.5	416.0	415.7	415.0	414.2	413.3	412.5	411.6
117.5°	474.1	473.9	473.5	473.2	472.8	472.4	472.0	471.6	471.2	470.8	470.4
120°	512.8	512.8	512.6	512.5	512.2	512.0	511.3	510.3	509.3	508.2	507.1
122.5°	550.9	551.1	550.5	550.0	549.4	548.8	548.4	548.0	547.6	547.2	546.9
125°	607.0	607.4	607.2	607.0	606.8	606.5	605.8	604.5	603.2	602.0	600.7
127.5°	662.2	662.4	662.1	661.9	661.7	661.4	660.9	660.2	659.5	658.7	658.0
130°	698.9	699.1	698.7	698.2	697.9	697.4	696.6	695.6	694.6	693.4	692.4
132.5°	734.1	734.2	734.3	734.4	734.5	734.6	733.8	732.0	730.3	728.5	726.8
135°	787.9	787.9	787.7	787.5	787.3	787.0	786.4	785.0	783.7	782.5	781.2
137.5°	840.3	840.1	839.6	839.1	838.7	838.2	837.4	836.1	834.9	833.7	832.5
140°	873.4	872.9	872.2	871.7	871.0	870.3	869.5	868.5	867.4	866.3	865.3
142.5°	906.0	905.8	904.9	904.2	903.3	902.6	901.7	900.8	899.9	899.0	898.1
145°	953.1	953.1	952.5	951.9	951.2	950.6	949.8	949.0	948.1	947.3	946.4
147.5°	996.1	995.5	995.0	994.5	994.0	993.5	993.0	992.5	992.1	991.6	991.2
150°	1023.8	1023.8	1022.9	1022.1	1021.2	1020.4	1020.1	1020.3	1020.5	1020.8	1021.0
152.5°	1048.8	1048.3	1047.9	1047.5	1047.3	1046.9	1046.6	1046.3	1045.9	1045.7	1045.4
155°	1084.9	1084.0	1083.7	1083.5	1083.4	1083.1	1083.0	1083.0	1083.0	1083.0	1083.0
157.5°	1116.3	1115.5	1115.3	1115.0	1114.8	1114.7	1114.7	1115.2	1115.7	1116.2	1116.6
160°	1135.5	1134.6	1134.3	1134.2	1134.0	1133.8	1134.0	1134.6	1135.2	1135.9	1136.5
162.5°	1153.2	1152.2	1152.2	1152.1	1152.1	1152.0	1152.2	1152.6	1153.1	1153.6	1154.0
165°	1177.4	1176.6	1176.4	1176.2	1176.0	1175.7	1175.8	1176.3	1176.7	1177.1	1177.6
167.5°	1194.9	1193.6	1193.6	1193.6	1193.6	1193.6	1194.0	1194.9	1195.7	1196.6	1197.4
170°	1205.6	1204.3	1204.3	1204.3	1204.3	1204.3	1204.8	1205.6	1206.5	1207.3	1208.2
172.5°	1213.2	1211.9	1211.9	1211.9	1211.9	1211.9	1212.4	1213.2	1214.1	1214.9	1215.8
175°	1221.8	1220.5	1220.5	1220.5	1220.5	1220.5	1221.0	1221.8	1222.7	1223.5	1224.4
177.5°	1226.0	1224.9	1225.1	1225.3	1225.4	1225.6	1226.1	1226.7	1227.4	1228.0	1228.8
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	848.2	852.2	854.7	859.6	863.7	865.9	867.9	869.6	871.7	873.4	878.3
5°	853.6	862.9	870.8	883.0	894.1	902.7	911.9	920.2	927.0	936.7	944.1
7.5°	851.2	867.8	885.1	903.9	923.2	941.1	957.5	973.0	986.9	1003.8	1018.6
10°	848.9	871.5	893.7	919.1	945.3	967.4	988.3	1009.4	1024.7	1046.2	1064.5
12.5°	847.3	873.8	900.6	931.1	959.9	991.2	1018.9	1034.3	1057.7	1074.9	1096.6
15°	840.0	875.1	911.9	946.3	987.1	1016.2	1040.5	1070.5	1092.4	1114.3	1137.8
17.5°	827.0	866.8	908.0	953.1	992.2	1023.4	1054.7	1083.7	1109.8	1139.1	1168.6
20°	821.0	860.7	908.0	954.2	992.5	1025.1	1057.3	1089.2	1117.9	1155.5	1189.4
22.5°	808.4	856.5	900.0	945.0	984.5	1019.9	1056.5	1092.6	1130.7	1173.2	1215.8
25°	785.9	834.6	880.8	925.2	965.0	1009.4	1048.4	1096.7	1145.4	1201.6	1254.6
27.5°	762.6	809.2	851.5	894.4	940.8	991.0	1041.6	1096.5	1160.3	1231.1	1306.0
30°	743.7	787.7	828.9	872.9	921.2	977.8	1033.3	1098.5	1172.2	1252.1	1340.9
32.5°	721.6	762.2	802.3	848.9	901.5	961.2	1025.9	1097.3	1186.0	1276.8	1368.1
35°	683.9	717.9	759.0	808.8	868.3	936.7	1011.5	1096.0	1197.7	1301.8	1378.8
37.5°	639.1	670.8	714.2	768.7	831.0	904.5	993.3	1093.4	1201.5	1284.5	1309.4
40°	609.1	638.4	683.5	740.1	803.8	881.6	978.9	1084.9	1189.4	1242.5	1222.0
42.5°	576.9	607.8	651.8	707.8	776.3	860.9	960.8	1066.9	1154.5	1174.5	1104.0
45°	526.3	558.2	601.5	658.1	731.9	823.5	927.7	1024.0	1074.5	1038.3	929.2
47.5°	479.3	509.2	549.3	607.7	683.8	778.6	878.9	955.7	959.8	873.5	756.9
50°	447.2	474.8	515.2	573.6	649.1	745.1	835.7	896.2	869.0	771.3	659.2
52.5°	415.7	442.7	482.6	540.4	615.1	702.9	787.3	829.7	778.4	678.2	582.4
55°	370.2	393.9	432.9	486.3	557.1	638.8	710.4	725.0	658.5	559.6	481.9
57.5°	325.8	347.9	383.4	432.5	497.3	569.7	625.7	622.5	552.1	467.3	405.7
60°	295.8	317.3	348.7	396.7	455.8	518.1	566.1	554.6	484.8	411.8	359.9
62.5°	268.8	288.0	317.8	359.8	413.7	471.4	510.8	493.9	425.5	361.7	320.6
65°	229.1	245.2	270.7	306.5	351.3	398.9	429.3	407.5	349.1	299.4	266.4
67.5°	191.2	204.2	225.5	254.1	292.3	330.5	349.0	327.1	280.3	244.0	219.6
70°	167.2	178.7	195.1	220.6	253.8	286.1	300.0	280.3	240.3	209.1	191.5
72.5°	143.2	152.6	167.1	189.9	216.6	244.6	256.7	238.0	205.0	178.7	162.3
75°	110.7	117.1	127.1	142.9	164.0	186.2	193.0	176.5	155.4	135.7	125.0
77.5°	79.2	84.6	92.3	102.2	117.2	131.3	137.2	127.7	111.3	98.9	90.1
80°	60.9	63.7	70.2	78.4	90.2	99.2	103.1	97.0	85.6	76.3	69.5
82.5°	43.4	46.3	50.1	56.9	64.5	70.5	74.7	70.7	62.4	55.0	51.1
85°	21.1	22.9	25.1	27.9	33.6	37.2	36.9	34.4	31.1	28.3	26.1
87.5°	8.0	8.6	9.8	11.6	12.7	14.2	15.1	14.8	13.9	13.3	12.6
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.3	13.8	15.3	16.3	17.4
92.5°	24.3	25.4	26.7	27.9	29.4	31.2	33.0	34.9	36.7	38.1	39.5
95°	62.5	63.0	63.3	63.8	65.0	67.2	69.3	71.4	73.5	75.0	76.5
97.5°	103.3	103.5	103.7	103.9	105.4	108.3	111.2	114.1	117.1	118.5	119.9
100°	133.7	133.7	133.7	133.7	135.1	137.8	140.6	143.4	146.1	148.1	150.0
102.5°	167.4	168.2	169.1	169.9	171.1	172.5	173.9	175.3	176.7	178.8	180.9
105°	218.8	219.9	220.9	222.0	223.2	224.4	225.7	227.0	228.3	229.5	230.8
107.5°	275.3	276.4	277.5	278.5	279.6	280.5	281.5	282.5	283.4	284.1	284.7
110°	314.3	315.4	316.4	317.5	318.4	319.0	319.6	320.3	320.9	321.5	322.2





TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	353.5	354.1	354.7	355.2	355.9	356.7	357.5	358.3	359.1	359.4	359.7
115°	412.5	413.3	414.2	415.0	415.7	416.0	416.5	416.9	417.4	417.2	416.9
117.5°	470.8	471.2	471.6	472.0	472.4	472.8	473.2	473.5	473.9	474.1	474.2
120°	508.2	509.3	510.3	511.3	512.0	512.2	512.5	512.6	512.8	512.8	512.8
122.5°	547.2	547.6	548.0	548.4	548.8	549.4	550.0	550.5	551.1	550.9	550.7
125°	602.0	603.2	604.5	605.8	606.5	606.8	607.0	607.2	607.4	607.0	606.5
127.5°	658.7	659.5	660.2	660.9	661.4	661.7	661.9	662.1	662.4	662.2	661.9
130°	693.4	694.6	695.6	696.6	697.4	697.9	698.2	698.7	699.1	698.9	698.7
132.5°	728.5	730.3	732.0	733.8	734.6	734.5	734.4	734.3	734.2	734.1	733.8
135°	782.5	783.7	785.0	786.4	787.0	787.3	787.5	787.7	787.9	787.9	787.9
137.5°	833.7	834.9	836.1	837.4	838.2	838.7	839.1	839.6	840.1	840.3	840.6
140°	866.3	867.4	868.5	869.5	870.3	871.0	871.7	872.2	872.9	873.4	873.7
142.5°	899.0	899.9	900.8	901.7	902.6	903.3	904.2	904.9	905.8	906.0	906.3
145°	947.3	948.1	949.0	949.8	950.6	951.2	951.9	952.5	953.1	953.1	953.1
147.5°	991.6	992.1	992.5	993.0	993.5	994.0	994.5	995.0	995.5	996.1	996.6
150°	1020.8	1020.5	1020.3	1020.1	1020.4	1021.2	1022.1	1022.9	1023.8	1023.8	1023.8
152.5°	1045.7	1045.9	1046.3	1046.6	1046.9	1047.3	1047.5	1047.9	1048.3	1048.8	1049.2
155°	1083.0	1083.0	1083.0	1083.0	1083.1	1083.4	1083.5	1083.7	1084.0	1084.9	1085.7
157.5°	1116.2	1115.7	1115.2	1114.7	1114.7	1114.8	1115.0	1115.3	1115.5	1116.3	1117.2
160°	1135.9	1135.2	1134.6	1134.0	1133.8	1134.0	1134.2	1134.3	1134.6	1135.5	1136.3
162.5°	1153.6	1153.1	1152.6	1152.2	1152.0	1152.1	1152.1	1152.2	1152.2	1153.2	1154.2
165°	1177.1	1176.7	1176.3	1175.8	1175.7	1176.0	1176.2	1176.4	1176.6	1177.4	1178.3
167.5°	1196.6	1195.7	1194.9	1194.0	1193.6	1193.6	1193.6	1193.6	1193.6	1194.9	1196.2
170°	1207.3	1206.5	1205.6	1204.8	1204.3	1204.3	1204.3	1204.3	1204.3	1205.6	1206.8
172.5°	1214.9	1214.1	1213.2	1212.4	1211.9	1211.9	1211.9	1211.9	1211.9	1213.2	1214.5
175°	1223.5	1222.7	1221.8	1221.0	1220.5	1220.5	1220.5	1220.5	1220.5	1221.8	1223.0
177.5°	1228.0	1227.4	1226.7	1226.1	1225.6	1225.4	1225.3	1225.1	1224.9	1226.0	1227.0
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	882.2	884.5	889.4	887.7	889.9	891.1	892.3
5°	953.5	965.0	970.0	969.2	976.8	975.0	973.2
7.5°	1034.0	1046.0	1052.7	1061.1	1066.0	1066.3	1070.5
10°	1079.5	1095.2	1101.7	1110.7	1116.4	1119.6	1119.3
12.5°	1114.5	1126.8	1141.2	1145.7	1153.4	1157.4	1155.9
15°	1156.5	1176.2	1191.2	1198.7	1208.4	1211.3	1215.2
17.5°	1194.0	1220.4	1238.0	1261.3	1270.2	1275.5	1272.3
20°	1222.4	1257.1	1274.7	1302.6	1318.0	1326.3	1323.3
22.5°	1255.9	1293.5	1326.0	1350.1	1373.6	1384.7	1387.0
25°	1313.3	1364.9	1412.5	1444.4	1473.4	1480.2	1495.2
27.5°	1377.5	1438.3	1489.2	1522.7	1542.9	1550.5	1555.2
30°	1417.9	1478.4	1516.7	1538.1	1544.6	1543.9	1543.2
32.5°	1437.7	1475.6	1482.9	1476.9	1462.2	1449.6	1436.6
35°	1409.7	1381.4	1339.1	1284.7	1244.6	1204.1	1200.1
37.5°	1267.8	1177.3	1107.0	1028.5	983.2	955.2	935.8
40°	1134.3	1031.5	946.3	880.1	833.9	815.7	797.8
42.5°	989.4	891.2	815.7	760.3	725.7	705.4	691.2
45°	803.8	717.2	658.1	618.0	590.4	574.7	565.7
47.5°	658.6	594.6	544.4	515.5	496.4	484.2	484.2
50°	580.8	519.5	486.3	463.4	446.9	437.2	438.9
52.5°	511.7	466.0	437.5	418.3	406.1	400.2	400.0
55°	427.9	394.9	376.4	362.3	354.1	347.3	348.7
57.5°	366.0	338.2	325.7	314.1	308.4	305.7	301.8
60°	327.6	306.1	295.4	286.1	280.3	278.2	274.3
62.5°	293.5	276.6	266.2	258.5	253.4	252.7	249.6
65°	246.7	233.8	224.5	220.9	215.6	214.1	214.1
67.5°	203.4	194.2	186.9	183.6	181.3	181.6	179.8
70°	176.2	168.6	164.0	160.4	158.6	159.0	157.5
72.5°	154.1	145.7	141.7	139.5	137.1	138.1	137.5
75°	116.7	112.4	110.3	108.1	106.7	105.9	105.3
77.5°	85.7	81.9	80.3	79.1	79.3	77.6	78.9
80°	66.3	63.1	61.9	60.1	59.8	59.8	59.5
82.5°	48.4	46.7	45.9	44.4	43.7	44.3	43.4
85°	25.1	23.7	23.3	23.3	22.5	21.9	23.7
87.5°	12.8	12.0	12.1	12.0	12.1	11.9	11.5
90°	18.5	19.5	20.4	21.0	21.7	22.2	22.9
92.5°	40.9	42.3	43.2	43.6	44.1	44.6	45.1
95°	77.9	79.5	80.4	80.9	81.2	81.7	82.1
97.5°	121.3	122.7	123.5	123.8	124.0	124.3	124.5
100°	151.8	153.7	155.0	155.3	155.8	156.2	156.7
102.5°	182.9	185.0	186.3	186.9	187.6	188.1	188.7
105°	232.1	233.4	234.3	235.0	235.5	236.2	236.9
107.5°	285.4	286.0	286.3	286.3	286.3	286.2	286.2
110°	322.8	323.5	323.7	323.5	323.2	323.0	322.8



TEST NUMBER: P333383-830

CATALOG NUMBER: S125DIW-S610D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	360.0	360.2	360.2	359.9	359.5	359.1	358.7
115°	416.7	416.5	416.3	416.0	415.8	415.7	415.5
117.5°	474.4	474.6	474.2	473.3	472.5	471.6	470.8
120°	512.8	512.8	512.5	511.6	510.8	509.9	509.1
122.5°	550.5	550.4	550.0	549.3	548.6	547.9	547.2
125°	606.1	605.7	605.4	605.2	604.9	604.7	604.5
127.5°	661.8	661.6	661.3	660.8	660.4	660.0	659.6
130°	698.4	698.2	698.0	697.5	697.1	696.6	696.3
132.5°	733.6	733.4	733.0	732.4	731.8	731.2	730.6
135°	787.9	787.9	787.5	786.6	785.8	784.9	784.1
137.5°	840.8	841.0	840.7	839.6	838.6	837.4	836.4
140°	874.2	874.6	874.3	873.3	872.1	871.1	870.1
142.5°	906.5	906.8	906.3	905.3	904.3	903.2	902.1
145°	953.1	953.1	952.8	952.2	951.5	950.9	950.3
147.5°	997.0	997.6	997.1	995.7	994.2	992.8	991.4
150°	1023.8	1023.8	1023.6	1023.1	1022.8	1022.3	1021.9
152.5°	1049.8	1050.3	1050.2	1049.4	1048.7	1047.8	1047.1
155°	1086.6	1087.4	1087.2	1086.2	1085.1	1084.1	1083.0
157.5°	1118.0	1118.9	1118.6	1117.2	1115.8	1114.4	1113.0
160°	1137.2	1138.0	1137.8	1136.8	1135.8	1134.7	1133.6
162.5°	1155.2	1156.2	1156.1	1154.9	1153.7	1152.4	1151.2
165°	1179.1	1180.0	1179.8	1178.6	1177.2	1176.0	1174.7
167.5°	1197.4	1198.7	1198.7	1197.4	1196.1	1194.8	1193.4
170°	1208.2	1209.4	1209.3	1207.8	1206.4	1204.9	1203.3
172.5°	1215.8	1217.0	1217.0	1215.7	1214.4	1213.1	1211.7
175°	1224.4	1225.7	1225.5	1224.1	1222.6	1221.1	1219.6
177.5°	1228.0	1229.0	1228.9	1227.8	1226.5	1225.4	1224.2
180°	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2	1227.2

(END OF REPORT)