

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: P333544-940

Luminaire Tested: **S125RDIP-S610D1205U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333544-940
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: S125RDIP-S610D1205U940-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6433.8 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

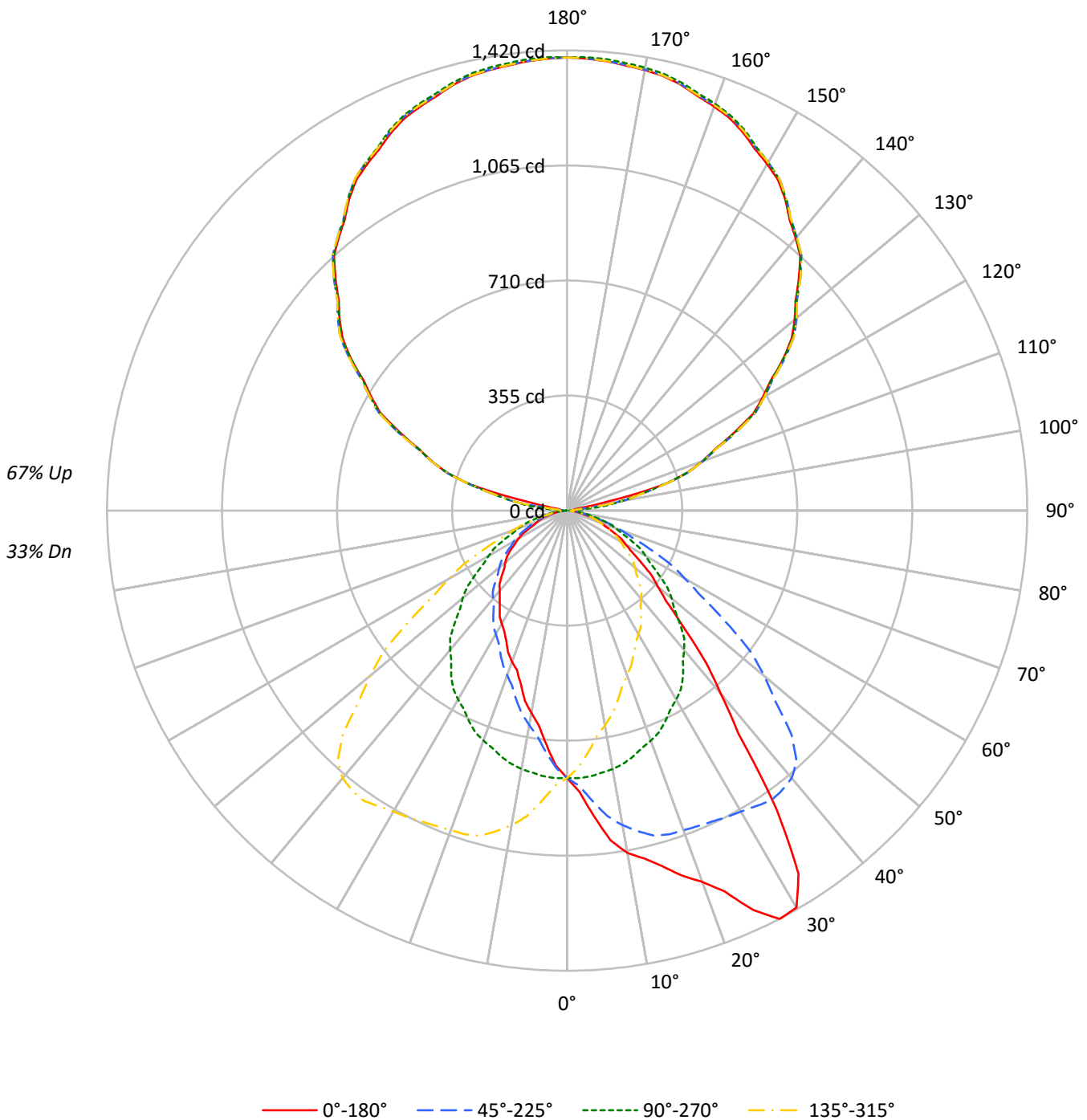
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29
2	86	79	73	68	77	72	67	62	57	54	51	44	42	40	32	31	30	24
3	79	70	63	57	71	63	57	52	51	47	43	39	37	34	29	27	26	21
4	72	62	54	48	65	56	49	44	45	41	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	36	32	32	28	26	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	21	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	15	14	11
9	48	37	29	24	44	33	27	23	27	23	19	22	18	16	16	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5329	5329	5329	5329
5°	6131	5336	4713	5336
10°	7033	5309	4158	5309
15°	7596	5255	3697	5255
20°	8377	5192	3413	5192
25°	9694	5108	3167	5108
30°	10549	5020	3006	5020
35°	8898	4917	2858	4917
40°	6214	4731	2731	4731
45°	4610	4483	2606	4483
50°	3676	4224	2498	4224
55°	3120	3902	2403	3902
60°	2696	3614	2250	3614
65°	2402	3304	1936	3304
70°	2111	3025	1766	3025
75°	1827	2620	1657	2620
80°	1387	2205	1387	2205
85°	1156	1734	1312	1734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	1.2
10°-20°	231.9	3.6
20°-30°	367.7	5.7
30°-40°	443.4	6.9
40°-50°	396.0	6.2
50°-60°	303.6	4.7
60°-70°	197.3	3.1
70°-80°	95.9	1.5
80°-90°	25.8	0.4
90°-100°	50.8	0.8
100°-110°	313.1	4.9
110°-120°	567.9	8.8
120°-130°	728.8	11.3
130°-140°	783.9	12.2
140°-150°	735.8	11.4
150°-160°	595.2	9.3
160°-170°	384.9	6.0
170°-180°	132.8	2.1
0°-30°	678.7	10.5
0°-40°	1122.1	17.4
0°-60°	1821.7	28.3
0°-90°	2140.8	33.3
90°-120°	931.8	14.5
90°-150°	3180.2	49.4
90°-180°	4293.0	66.7
0°-180°	6433.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	825	825	825	825	825	
5°	946	823	727	823	946	94
15°	1136	786	553	786	1136	326
25°	1360	717	444	717	1360	625
35°	1129	624	362	624	1129	682
45°	505	491	285	491	505	403
55°	277	346	213	346	277	251
65°	157	216	127	216	157	156
75°	73	105	66	105	73	78
85°	16	23	18	23	16	19
90°	25	1	25	1	25	12
95°	22	59	22	59	22	18
105°	308	305	308	305	308	278
115°	568	572	568	572	568	564
125°	814	814	814	814	814	724
135°	1010	1015	1010	1015	1010	780
145°	1173	1176	1173	1176	1173	733
155°	1286	1295	1286	1295	1286	593
165°	1360	1367	1360	1367	1360	384
175°	1392	1398	1392	1398	1392	132
180°	1398	1398	1398	1398	1398	



TEST NUMBER: P333544-940

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	868.0	867.5	868.5	865.5	865.9	861.2	861.2	857.6	853.1	849.5	847.9
5°	945.7	946.5	945.0	940.0	936.6	931.5	925.8	915.6	907.1	899.0	892.6
7.5°	1025.8	1026.3	1021.8	1020.3	1011.7	1005.5	992.7	978.9	966.6	951.0	939.1
10°	1072.5	1072.1	1067.4	1063.6	1056.1	1046.7	1034.1	1017.9	1002.6	985.7	969.5
12.5°	1099.6	1098.7	1097.2	1092.6	1085.7	1077.3	1066.7	1050.7	1031.9	1013.3	994.4
15°	1136.1	1133.7	1129.4	1123.6	1113.7	1103.9	1092.1	1077.9	1059.9	1038.9	1021.3
17.5°	1181.3	1181.4	1174.7	1166.7	1153.3	1136.0	1117.7	1094.8	1070.3	1047.2	1028.5
20°	1218.8	1217.7	1210.9	1195.4	1180.2	1158.5	1137.5	1109.4	1079.6	1049.4	1026.0
22.5°	1272.4	1269.8	1262.8	1242.2	1218.6	1190.7	1158.6	1124.3	1088.2	1054.0	1023.3
25°	1360.4	1358.3	1344.4	1320.7	1287.5	1244.5	1202.5	1155.4	1103.6	1058.5	1021.3
27.5°	1420.5	1418.3	1408.0	1388.3	1357.6	1312.4	1255.5	1192.7	1127.9	1066.0	1012.2
30°	1414.5	1419.6	1418.3	1409.2	1386.1	1345.4	1293.0	1222.2	1145.2	1072.5	1008.4
32.5°	1329.5	1334.0	1345.9	1363.9	1365.2	1349.0	1309.7	1244.4	1164.8	1081.9	1005.4
35°	1128.6	1134.8	1157.8	1194.0	1241.4	1281.1	1289.2	1254.0	1182.5	1093.4	1000.9
37.5°	867.7	901.1	920.4	958.6	1030.2	1103.1	1173.2	1199.1	1168.7	1088.7	993.7
40°	737.1	745.2	779.8	822.8	883.1	958.9	1058.9	1131.0	1133.4	1077.9	982.3
42.5°	630.9	641.1	664.9	699.2	750.8	826.7	929.9	1025.1	1069.2	1048.0	967.4
45°	504.7	512.5	529.8	556.2	595.8	658.5	747.3	857.4	944.8	978.9	927.5
47.5°	414.6	418.8	433.8	454.0	483.3	529.0	597.6	693.2	798.1	871.6	864.3
50°	365.9	370.6	382.1	397.3	422.0	460.7	515.6	595.1	703.2	793.0	810.9
52.5°	327.9	331.8	339.0	353.5	373.8	403.5	447.8	519.9	617.1	712.5	754.0
55°	277.1	279.8	285.5	293.6	310.0	331.3	369.5	419.4	497.9	594.1	655.1
57.5°	235.2	236.6	240.2	247.7	259.0	274.6	302.2	344.5	400.8	487.4	554.7
60°	208.7	210.0	214.7	219.8	228.6	242.9	264.6	294.0	348.2	419.7	487.8
62.5°	187.5	188.3	190.4	195.5	203.1	214.2	231.2	255.3	298.4	361.1	425.4
65°	157.2	157.5	158.2	162.3	167.0	175.1	186.3	203.2	235.8	283.2	340.1
67.5°	128.0	128.5	130.9	132.3	137.2	141.5	148.1	161.0	184.0	215.9	260.1
70°	111.8	111.5	113.8	115.5	117.2	122.3	126.7	137.1	151.4	175.8	212.8
72.5°	96.6	95.8	96.8	97.4	99.6	103.1	107.5	113.9	124.8	141.7	169.9
75°	73.2	73.5	73.5	74.2	75.9	77.2	78.6	81.9	88.1	99.2	114.5
77.5°	51.4	50.8	52.3	52.4	53.4	54.9	56.1	57.4	59.9	64.6	72.4
80°	37.3	37.3	37.6	38.6	38.3	39.0	40.7	42.0	45.0	47.8	50.5
82.5°	28.6	28.4	28.6	28.9	28.8	29.4	30.1	30.3	31.5	32.8	34.8
85°	15.6	15.6	16.0	16.0	16.2	16.2	16.6	16.6	16.6	16.9	17.3
87.5°	11.0	10.5	10.1	10.0	10.1	10.4	10.0	9.5	9.3	9.0	8.9
90°	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9	17.7	16.6	15.0
92.5°	23.2	22.9	22.6	22.2	21.9	21.2	20.1	18.9	17.7	16.6	15.2
95°	21.8	21.8	21.8	21.8	21.8	21.2	20.1	18.9	17.7	16.6	25.3
97.5°	21.8	21.8	21.8	21.8	21.8	25.0	31.5	38.0	44.5	51.0	68.3
100°	21.8	22.6	23.6	24.5	25.4	43.1	77.4	111.7	146.0	180.3	179.4
102.5°	130.4	146.1	161.7	177.4	193.1	204.1	210.6	217.0	223.6	230.1	229.5
105°	307.8	308.0	308.3	308.4	308.7	308.8	308.8	308.8	308.8	308.8	308.8
107.5°	388.0	388.7	389.4	390.0	390.7	391.1	391.0	391.0	390.9	390.9	390.5
110°	443.5	443.4	443.1	442.8	442.6	442.8	443.5	444.3	445.0	445.6	445.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	493.3	493.7	493.9	494.3	494.5	495.2	496.1	497.0	497.8	498.6	498.4
115°	567.9	569.3	570.7	572.0	573.5	574.6	575.5	576.4	577.4	578.3	578.0
117.5°	647.5	648.1	648.7	649.3	649.9	650.8	652.0	653.2	654.4	655.6	654.7
120°	696.4	697.6	698.7	699.9	701.1	701.9	702.3	702.8	703.2	703.6	702.9
122.5°	742.9	744.2	745.5	746.8	748.1	749.1	749.6	750.0	750.5	750.9	750.6
125°	813.5	814.2	814.9	815.6	816.3	817.1	818.0	818.9	819.8	820.7	820.7
127.5°	873.0	874.7	876.4	878.2	879.9	880.9	881.5	881.9	882.4	883.0	883.1
130°	916.1	917.3	918.5	919.5	920.7	921.7	922.3	923.0	923.7	924.4	924.2
132.5°	955.9	957.1	958.2	959.4	960.6	961.2	961.3	961.4	961.6	961.7	962.2
135°	1010.4	1011.8	1013.2	1014.6	1015.9	1016.9	1017.4	1017.8	1018.2	1018.7	1019.1
137.5°	1065.1	1066.3	1067.6	1068.7	1070.0	1070.5	1070.4	1070.3	1070.2	1070.1	1070.5
140°	1097.5	1098.9	1100.3	1101.6	1103.0	1103.5	1103.0	1102.5	1102.1	1101.6	1101.9
142.5°	1128.2	1129.5	1131.0	1132.3	1133.7	1134.3	1134.3	1134.2	1134.1	1134.0	1133.6
145°	1173.1	1174.5	1175.9	1177.2	1178.7	1179.2	1179.0	1178.8	1178.6	1178.3	1178.3
147.5°	1210.2	1211.9	1213.5	1215.2	1216.8	1217.5	1217.3	1217.0	1216.7	1216.5	1216.2
150°	1234.3	1236.1	1238.0	1239.8	1241.6	1242.3	1241.9	1241.4	1240.9	1240.5	1240.0
152.5°	1256.7	1258.3	1260.0	1261.6	1263.3	1263.9	1263.5	1262.9	1262.5	1262.0	1261.6
155°	1286.1	1287.9	1289.8	1291.6	1293.4	1294.1	1293.3	1292.6	1292.0	1291.3	1290.8
157.5°	1310.7	1312.6	1314.5	1316.3	1318.1	1318.7	1317.9	1317.2	1316.4	1315.7	1315.7
160°	1326.5	1328.4	1330.2	1332.0	1333.9	1334.4	1333.4	1332.5	1331.6	1330.6	1330.4
162.5°	1340.6	1342.6	1344.6	1346.7	1348.7	1349.1	1347.8	1346.5	1345.2	1343.9	1343.7
165°	1359.7	1361.5	1363.3	1365.2	1367.0	1367.3	1365.9	1364.5	1363.2	1361.7	1361.5
167.5°	1373.0	1375.0	1377.1	1379.1	1381.3	1381.4	1379.7	1378.1	1376.4	1374.8	1374.6
170°	1380.4	1382.5	1384.6	1386.6	1388.7	1388.8	1387.0	1385.1	1383.3	1381.4	1381.2
172.5°	1385.4	1387.4	1389.6	1391.6	1393.7	1393.8	1392.2	1390.5	1388.9	1387.2	1386.8
175°	1391.8	1393.8	1396.0	1398.0	1400.1	1400.2	1398.4	1396.5	1394.6	1392.9	1392.6
177.5°	1395.5	1397.0	1398.5	1400.0	1401.4	1401.5	1400.3	1398.9	1397.7	1396.3	1396.2
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	847.9	846.1	842.5	839.3	835.2	831.7	829.2	826.3	822.4	817.9	814.0
5°	885.5	878.0	868.2	859.7	848.9	840.4	831.6	823.1	814.7	803.8	794.3
7.5°	927.0	911.7	896.7	877.9	860.8	845.5	830.9	816.1	801.6	786.2	771.3
10°	952.5	933.9	913.2	889.5	867.8	847.2	828.2	809.6	790.0	772.7	754.0
12.5°	976.3	952.3	928.7	898.8	872.7	847.5	823.3	800.1	779.1	756.7	736.6
15°	997.9	974.2	947.8	911.2	874.9	844.5	816.0	785.9	759.8	734.7	712.4
17.5°	1006.2	981.4	950.7	915.5	875.9	837.6	800.9	767.9	737.2	707.9	682.8
20°	1003.0	978.9	947.4	913.9	871.6	831.6	791.9	755.4	721.1	690.4	663.6
22.5°	995.1	970.3	939.9	904.5	864.2	821.8	779.5	740.5	704.6	672.7	643.5
25°	983.4	949.5	918.3	883.8	845.5	803.5	759.8	716.8	678.5	646.0	614.1
27.5°	971.1	928.8	889.2	854.8	814.4	776.9	734.8	690.7	650.4	617.3	584.7
30°	960.0	912.6	868.9	829.9	791.7	756.1	716.0	673.1	631.8	597.5	564.4
32.5°	946.2	895.7	847.7	802.8	765.9	730.6	694.4	653.3	613.1	577.7	544.0
35°	928.8	864.4	812.3	764.6	723.5	689.3	656.8	623.6	583.3	546.7	513.9
37.5°	906.1	833.0	772.7	720.6	677.4	643.0	617.4	587.0	550.3	515.2	484.7
40°	892.2	810.3	744.2	692.7	647.3	611.1	587.0	561.2	527.7	494.9	464.4
42.5°	873.8	789.4	715.5	661.8	616.2	581.3	557.0	534.5	506.3	475.4	442.7
45°	837.7	748.9	671.4	613.8	567.8	533.5	510.8	490.8	469.5	441.0	412.6
47.5°	790.7	706.8	625.5	562.7	517.5	485.8	463.8	448.0	432.7	408.6	380.9
50°	753.0	672.1	592.8	531.8	483.8	453.5	432.9	420.4	406.4	384.5	361.4
52.5°	708.6	636.3	558.7	496.3	450.9	422.7	402.8	390.3	378.8	360.9	338.9
55°	638.6	575.2	504.0	447.5	405.8	377.4	358.4	346.5	339.7	324.5	307.2
57.5°	557.7	512.3	449.6	395.0	358.2	330.0	316.2	306.1	298.5	287.7	275.4
60°	501.3	469.5	413.2	361.4	327.5	300.8	288.3	279.8	272.7	263.5	254.0
62.5°	444.2	421.0	372.1	327.5	296.4	273.9	262.3	254.6	246.4	240.2	231.0
65°	367.6	346.9	313.0	278.1	249.3	231.4	222.9	216.2	211.1	204.3	197.8
67.5°	285.9	277.5	254.1	230.1	209.4	193.4	186.1	181.4	175.2	171.2	166.7
70°	235.8	231.7	215.1	199.2	179.9	169.1	162.3	160.2	152.8	148.7	145.6
72.5°	191.4	189.4	179.9	168.8	155.2	145.7	139.5	137.1	132.4	129.2	127.2
75°	131.1	131.8	130.1	123.0	117.9	111.8	106.4	105.0	101.7	98.9	97.2
77.5°	82.9	86.4	86.5	86.1	84.2	80.4	78.2	77.1	73.8	72.9	72.4
80°	56.9	60.6	64.0	63.7	63.0	62.0	60.3	59.3	57.6	56.5	55.9
82.5°	37.9	41.4	44.2	46.1	45.9	44.9	43.8	43.2	43.0	42.2	42.1
85°	17.9	18.6	19.6	22.0	23.7	24.1	23.7	23.4	22.4	22.7	23.0
87.5°	8.9	8.6	8.6	8.2	7.6	8.6	9.0	8.9	8.7	8.6	8.4
90°	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1	2.9	4.7	6.6
92.5°	13.7	12.3	10.9	10.8	12.1	13.4	14.7	16.0	14.7	13.4	12.1
95°	34.1	42.8	51.6	56.3	57.0	57.7	58.4	59.0	58.4	57.7	57.0
97.5°	85.6	102.9	120.3	128.3	127.1	125.8	124.6	123.3	124.6	125.8	127.1
100°	178.5	177.5	176.6	175.8	175.1	174.4	173.8	173.1	173.8	174.4	175.1
102.5°	229.0	228.4	227.8	227.1	226.2	225.4	224.5	223.6	224.5	225.4	226.2
105°	308.8	308.8	308.8	308.4	307.5	306.5	305.6	304.7	305.6	306.5	307.5
107.5°	389.9	389.5	389.1	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9
110°	444.7	444.3	443.8	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5



TEST NUMBER: P333544-940

CATALOG NUMBER: S125RDIP-S610D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	498.1	497.8	497.6	497.1	496.6	496.1	495.5	495.0	495.5	496.1	496.6
115°	577.8	577.6	577.4	576.7	575.5	574.4	573.2	572.0	573.2	574.4	575.5
117.5°	653.8	653.0	652.1	651.7	651.8	651.8	651.8	651.8	651.8	651.8	651.8
120°	702.3	701.6	700.9	700.7	700.9	701.2	701.3	701.6	701.3	701.2	700.9
122.5°	750.3	749.9	749.7	749.0	748.1	747.3	746.5	745.6	746.5	747.3	748.1
125°	820.7	820.7	820.7	819.9	818.3	816.7	815.1	813.5	815.1	816.7	818.3
127.5°	883.2	883.3	883.5	883.0	881.8	880.7	879.6	878.4	879.6	880.7	881.8
130°	924.0	923.7	923.5	922.8	921.7	920.5	919.4	918.2	919.4	920.5	921.7
132.5°	962.7	963.2	963.8	963.3	962.0	960.6	959.3	958.0	959.3	960.6	962.0
135°	1019.7	1020.1	1020.6	1020.1	1018.7	1017.4	1015.9	1014.6	1015.9	1017.4	1018.7
137.5°	1070.9	1071.4	1071.7	1071.4	1070.1	1069.0	1067.8	1066.6	1067.8	1069.0	1070.1
140°	1102.1	1102.3	1102.5	1102.4	1102.0	1101.5	1101.1	1100.5	1101.1	1101.5	1102.0
142.5°	1133.3	1133.0	1132.7	1132.4	1132.1	1131.8	1131.5	1131.2	1131.5	1131.8	1132.1
145°	1178.3	1178.3	1178.3	1178.0	1177.6	1177.1	1176.7	1176.3	1176.7	1177.1	1177.6
147.5°	1215.8	1215.6	1215.3	1215.2	1215.3	1215.4	1215.5	1215.6	1215.5	1215.4	1215.3
150°	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.0	1239.6	1239.1
152.5°	1261.1	1260.7	1260.2	1260.4	1261.5	1262.5	1263.6	1264.5	1263.6	1262.5	1261.5
155°	1290.3	1289.9	1289.4	1289.9	1291.3	1292.6	1294.1	1295.4	1294.1	1292.6	1291.3
157.5°	1315.6	1315.6	1315.5	1315.9	1316.8	1317.6	1318.4	1319.3	1318.4	1317.6	1316.8
160°	1330.2	1330.0	1329.7	1330.3	1331.7	1333.1	1334.4	1335.9	1334.4	1333.1	1331.7
162.5°	1343.5	1343.2	1343.0	1343.5	1345.0	1346.3	1347.7	1349.1	1347.7	1346.3	1345.0
165°	1361.3	1361.0	1360.8	1361.4	1362.8	1364.1	1365.6	1366.9	1365.6	1364.1	1362.8
167.5°	1374.3	1374.1	1373.9	1374.5	1375.9	1377.3	1378.8	1380.2	1378.8	1377.3	1375.9
170°	1381.0	1380.7	1380.5	1381.2	1382.8	1384.4	1386.1	1387.7	1386.1	1384.4	1382.8
172.5°	1386.4	1386.0	1385.5	1386.2	1387.8	1389.4	1391.0	1392.6	1391.0	1389.4	1387.8
175°	1392.4	1392.1	1391.9	1392.5	1393.8	1395.3	1396.6	1398.0	1396.6	1395.3	1393.8
177.5°	1396.0	1395.8	1395.6	1396.1	1397.2	1398.3	1399.4	1400.5	1399.4	1398.3	1397.2
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333544-940

CATALOG NUMBER: S125RDIP-S610D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	811.4	807.5	804.9	799.4	795.6	794.0	791.0	790.2	793.2	791.0	790.8
5°	787.2	777.4	769.6	761.8	753.3	748.0	739.8	738.4	736.4	733.3	732.7
7.5°	758.3	745.5	735.5	722.6	711.4	702.4	692.2	687.4	684.7	680.8	675.6
10°	738.8	723.5	710.0	697.1	683.2	672.1	661.9	654.1	649.0	644.3	642.2
12.5°	719.5	704.0	686.7	671.1	655.6	643.0	631.8	626.7	621.1	615.5	610.8
15°	689.6	669.0	650.1	632.0	618.8	605.3	594.5	587.0	578.5	576.2	567.0
17.5°	658.0	637.7	615.5	596.6	581.3	566.3	554.5	546.0	539.6	530.8	526.6
20°	638.2	614.1	592.5	575.2	558.2	540.6	528.4	521.3	515.2	508.1	504.7
22.5°	617.1	593.5	571.3	551.1	533.9	516.5	507.8	500.4	493.6	487.0	482.5
25°	586.0	562.3	539.0	517.9	500.0	487.4	477.2	468.8	465.1	458.6	453.9
27.5°	555.4	530.1	505.9	484.9	470.8	458.4	450.1	443.4	436.7	431.1	427.0
30°	535.6	509.8	483.4	466.8	451.8	440.1	430.9	424.5	419.4	414.3	411.3
32.5°	515.8	489.2	465.7	447.8	433.7	423.5	414.1	407.9	402.5	396.9	393.3
35°	484.0	456.9	438.0	420.4	406.4	397.0	390.6	381.7	377.4	373.3	369.5
37.5°	454.6	429.4	408.8	393.4	381.4	371.9	363.6	358.8	353.5	349.8	346.7
40°	432.9	409.8	391.3	375.0	366.1	355.7	347.9	341.8	337.7	333.0	329.6
42.5°	413.4	392.0	373.9	359.3	348.3	339.4	331.9	325.8	320.7	317.3	314.4
45°	385.8	364.4	346.9	333.3	323.2	314.7	306.9	303.8	297.0	293.0	291.7
47.5°	357.3	338.2	321.2	308.7	298.3	290.3	282.9	276.8	273.0	269.0	266.9
50°	338.0	319.8	303.8	291.7	281.5	272.7	265.9	261.8	256.7	253.1	250.3
52.5°	318.8	301.8	286.0	274.3	265.5	256.7	249.1	245.0	240.2	237.8	235.9
55°	291.3	273.4	259.8	248.3	239.2	231.0	223.9	219.8	216.8	214.5	213.7
57.5°	260.1	245.9	233.4	222.9	213.5	205.8	199.6	195.7	193.1	192.7	190.6
60°	239.8	226.9	215.4	204.3	196.1	189.0	183.6	179.2	176.5	176.1	175.5
62.5°	219.5	207.1	196.4	186.6	179.3	172.5	167.4	162.4	160.8	159.1	157.6
65°	189.3	178.2	169.3	161.6	153.8	148.0	142.9	139.9	136.2	134.1	130.5
67.5°	159.7	151.1	142.6	136.1	129.9	124.5	120.3	115.7	113.2	111.6	108.9
70°	140.3	133.5	125.0	117.9	113.2	108.7	105.3	100.2	98.5	97.2	95.9
72.5°	121.8	115.8	108.7	103.0	98.3	94.1	90.2	87.8	86.1	84.7	83.9
75°	95.9	90.1	84.0	79.9	76.6	73.2	71.2	69.5	68.8	68.4	67.1
77.5°	70.4	67.3	62.4	59.2	57.0	55.6	53.8	52.9	52.9	51.4	50.9
80°	53.9	52.2	48.1	46.7	45.0	43.7	42.7	41.0	39.3	38.6	37.6
82.5°	40.0	38.3	36.7	34.5	33.2	32.3	31.3	30.7	30.9	30.0	29.4
85°	21.3	19.6	19.0	18.6	17.9	18.6	18.3	17.9	17.7	17.3	17.7
87.5°	8.5	8.8	8.8	9.7	9.2	9.8	10.1	10.0	10.3	10.4	10.3
90°	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9	20.1	21.2	22.1
92.5°	10.8	10.9	12.3	13.7	15.2	16.6	17.7	18.9	20.1	21.2	21.9
95°	56.3	51.6	42.8	34.1	25.3	16.6	17.7	18.9	20.1	21.2	21.8
97.5°	128.3	120.3	102.9	85.6	68.3	51.0	44.5	38.0	31.5	25.0	21.8
100°	175.8	176.6	177.5	178.5	179.4	180.3	146.0	111.7	77.4	43.1	25.4
102.5°	227.1	227.8	228.4	229.0	229.5	230.1	223.6	217.0	210.6	204.1	193.1
105°	308.4	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.7
107.5°	388.9	389.1	389.5	389.9	390.5	390.9	390.9	391.0	391.0	391.1	390.7
110°	443.5	443.8	444.3	444.7	445.1	445.6	445.0	444.3	443.5	442.8	442.6



TEST NUMBER: P333544-940

CATALOG NUMBER: S125RDIP-S610D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	497.1	497.6	497.8	498.1	498.4	498.6	497.8	497.0	496.1	495.2	494.5
115°	576.7	577.4	577.6	577.8	578.0	578.3	577.4	576.4	575.5	574.6	573.5
117.5°	651.7	652.1	653.0	653.8	654.7	655.6	654.4	653.2	652.0	650.8	649.9
120°	700.7	700.9	701.6	702.3	702.9	703.6	703.2	702.8	702.3	701.9	701.1
122.5°	749.0	749.7	749.9	750.3	750.6	750.9	750.5	750.0	749.6	749.1	748.1
125°	819.9	820.7	820.7	820.7	820.7	820.7	819.8	818.9	818.0	817.1	816.3
127.5°	883.0	883.5	883.3	883.2	883.1	883.0	882.4	881.9	881.5	880.9	879.9
130°	922.8	923.5	923.7	924.0	924.2	924.4	923.7	923.0	922.3	921.7	920.7
132.5°	963.3	963.8	963.2	962.7	962.2	961.7	961.6	961.4	961.3	961.2	960.6
135°	1020.1	1020.6	1020.1	1019.7	1019.1	1018.7	1018.2	1017.8	1017.4	1016.9	1015.9
137.5°	1071.4	1071.7	1071.4	1070.9	1070.5	1070.1	1070.2	1070.3	1070.4	1070.5	1070.0
140°	1102.4	1102.5	1102.3	1102.1	1101.9	1101.6	1102.1	1102.5	1103.0	1103.5	1103.0
142.5°	1132.4	1132.7	1133.0	1133.3	1133.6	1134.0	1134.1	1134.2	1134.3	1134.3	1133.7
145°	1178.0	1178.3	1178.3	1178.3	1178.3	1178.3	1178.6	1178.8	1179.0	1179.2	1178.7
147.5°	1215.2	1215.3	1215.6	1215.8	1216.2	1216.5	1216.7	1217.0	1217.3	1217.5	1216.8
150°	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.9	1241.4	1241.9	1242.3	1241.6
152.5°	1260.4	1260.2	1260.7	1261.1	1261.6	1262.0	1262.5	1262.9	1263.5	1263.9	1263.3
155°	1289.9	1289.4	1289.9	1290.3	1290.8	1291.3	1292.0	1292.6	1293.3	1294.1	1293.4
157.5°	1315.9	1315.5	1315.6	1315.6	1315.7	1315.7	1316.4	1317.2	1317.9	1318.7	1318.1
160°	1330.3	1329.7	1330.0	1330.2	1330.4	1330.6	1331.6	1332.5	1333.4	1334.4	1333.9
162.5°	1343.5	1343.0	1343.2	1343.5	1343.7	1343.9	1345.2	1346.5	1347.8	1349.1	1348.7
165°	1361.4	1360.8	1361.0	1361.3	1361.5	1361.7	1363.2	1364.5	1365.9	1367.3	1367.0
167.5°	1374.5	1373.9	1374.1	1374.3	1374.6	1374.8	1376.4	1378.1	1379.7	1381.4	1381.3
170°	1381.2	1380.5	1380.7	1381.0	1381.2	1381.4	1383.3	1385.1	1387.0	1388.8	1388.7
172.5°	1386.2	1385.5	1386.0	1386.4	1386.8	1387.2	1388.9	1390.5	1392.2	1393.8	1393.7
175°	1392.5	1391.9	1392.1	1392.4	1392.6	1392.9	1394.6	1396.5	1398.4	1400.2	1400.1
177.5°	1396.1	1395.6	1395.8	1396.0	1396.2	1396.3	1397.7	1398.9	1400.3	1401.5	1401.4
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333544-940

CATALOG NUMBER: S125RDIP-S610D1205U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	790.5	787.5	786.7	787.7	786.7	787.5	790.5	790.8	791.0	793.2	790.2
5°	729.3	725.9	727.6	726.9	727.6	725.9	729.3	732.7	733.3	736.4	738.4
7.5°	675.5	671.3	666.8	668.2	666.8	671.3	675.5	675.6	680.8	684.7	687.4
10°	637.8	634.5	632.4	634.1	632.4	634.5	637.8	642.2	644.3	649.0	654.1
12.5°	606.1	604.1	602.4	601.6	602.4	604.1	606.1	610.8	615.5	621.1	626.7
15°	562.9	558.9	557.2	552.9	557.2	558.9	562.9	567.0	576.2	578.5	587.0
17.5°	523.2	521.8	517.5	515.6	517.5	521.8	523.2	526.6	530.8	539.6	546.0
20°	499.6	498.3	493.9	496.6	493.9	498.3	499.6	504.7	508.1	515.2	521.3
22.5°	480.1	477.2	475.7	474.9	475.7	477.2	480.1	482.5	487.0	493.6	500.4
25°	452.5	448.2	446.5	444.4	446.5	448.2	452.5	453.9	458.6	465.1	468.8
27.5°	425.1	422.7	420.4	419.9	420.4	422.7	425.1	427.0	431.1	436.7	443.4
30°	407.2	404.7	403.1	403.1	403.1	404.7	407.2	411.3	414.3	419.4	424.5
32.5°	391.2	389.3	387.6	387.4	387.6	389.3	391.2	393.3	396.9	402.5	407.9
35°	367.8	365.2	364.4	362.5	364.4	365.2	367.8	369.5	373.3	377.4	381.7
37.5°	343.7	341.4	341.3	341.2	341.3	341.4	343.7	346.7	349.8	353.5	358.8
40°	328.2	326.5	326.2	323.9	326.2	326.5	328.2	329.6	333.0	337.7	341.8
42.5°	311.7	310.9	309.7	308.6	309.7	310.9	311.7	314.4	317.3	320.7	325.8
45°	289.3	287.0	287.0	285.3	287.0	287.0	289.3	291.7	293.0	297.0	303.8
47.5°	266.1	264.3	264.5	262.7	264.5	264.3	266.1	266.9	269.0	273.0	276.8
50°	250.7	249.7	249.3	248.6	249.3	249.7	250.7	250.3	253.1	256.7	261.8
52.5°	235.2	234.8	236.0	234.5	236.0	234.8	235.2	235.9	237.8	240.2	245.0
55°	214.5	213.4	215.4	213.4	215.4	213.4	214.5	213.7	214.5	216.8	219.8
57.5°	190.5	189.6	191.4	190.4	191.4	189.6	190.5	190.6	192.7	193.1	195.7
60°	174.8	172.7	173.8	174.2	173.8	172.7	174.8	175.5	176.1	176.5	179.2
62.5°	156.0	154.9	155.6	154.1	155.6	154.9	156.0	157.6	159.1	160.8	162.4
65°	129.7	128.8	127.3	126.7	127.3	128.8	129.7	130.5	134.1	136.2	139.9
67.5°	109.0	106.6	106.5	107.0	106.5	106.6	109.0	108.9	111.6	113.2	115.7
70°	93.8	93.8	93.5	93.5	93.5	93.8	93.8	95.9	97.2	98.5	100.2
72.5°	83.3	83.0	82.4	82.1	82.4	83.0	83.3	83.9	84.7	86.1	87.8
75°	67.1	67.4	66.7	66.4	66.7	67.4	67.1	67.1	68.4	68.8	69.5
77.5°	49.5	48.1	48.9	48.1	48.9	48.1	49.5	50.9	51.4	52.9	52.9
80°	37.6	37.3	38.3	37.3	38.3	37.3	37.6	37.6	38.6	39.3	41.0
82.5°	29.8	29.4	29.9	29.2	29.9	29.4	29.8	29.4	30.0	30.9	30.7
85°	17.9	17.7	17.3	17.7	17.3	17.7	17.9	17.7	17.3	17.7	17.9
87.5°	10.8	10.7	10.8	11.0	10.8	10.7	10.8	10.3	10.4	10.3	10.0
90°	22.8	23.5	24.2	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9
92.5°	22.2	22.6	22.9	23.2	22.9	22.6	22.2	21.9	21.2	20.1	18.9
95°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.2	20.1	18.9
97.5°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	25.0	31.5	38.0
100°	24.5	23.6	22.6	21.8	22.6	23.6	24.5	25.4	43.1	77.4	111.7
102.5°	177.4	161.7	146.1	130.4	146.1	161.7	177.4	193.1	204.1	210.6	217.0
105°	308.4	308.3	308.0	307.8	308.0	308.3	308.4	308.7	308.8	308.8	308.8
107.5°	390.0	389.4	388.7	388.0	388.7	389.4	390.0	390.7	391.1	391.0	391.0
110°	442.8	443.1	443.4	443.5	443.4	443.1	442.8	442.6	442.8	443.5	444.3



TEST NUMBER: P333544-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	494.3	493.9	493.7	493.3	493.7	493.9	494.3	494.5	495.2	496.1	497.0
115°	572.0	570.7	569.3	567.9	569.3	570.7	572.0	573.5	574.6	575.5	576.4
117.5°	649.3	648.7	648.1	647.5	648.1	648.7	649.3	649.9	650.8	652.0	653.2
120°	699.9	698.7	697.6	696.4	697.6	698.7	699.9	701.1	701.9	702.3	702.8
122.5°	746.8	745.5	744.2	742.9	744.2	745.5	746.8	748.1	749.1	749.6	750.0
125°	815.6	814.9	814.2	813.5	814.2	814.9	815.6	816.3	817.1	818.0	818.9
127.5°	878.2	876.4	874.7	873.0	874.7	876.4	878.2	879.9	880.9	881.5	881.9
130°	919.5	918.5	917.3	916.1	917.3	918.5	919.5	920.7	921.7	922.3	923.0
132.5°	959.4	958.2	957.1	955.9	957.1	958.2	959.4	960.6	961.2	961.3	961.4
135°	1014.6	1013.2	1011.8	1010.4	1011.8	1013.2	1014.6	1015.9	1016.9	1017.4	1017.8
137.5°	1068.7	1067.6	1066.3	1065.1	1066.3	1067.6	1068.7	1070.0	1070.5	1070.4	1070.3
140°	1101.6	1100.3	1098.9	1097.5	1098.9	1100.3	1101.6	1103.0	1103.5	1103.0	1102.5
142.5°	1132.3	1131.0	1129.5	1128.2	1129.5	1131.0	1132.3	1133.7	1134.3	1134.3	1134.2
145°	1177.2	1175.9	1174.5	1173.1	1174.5	1175.9	1177.2	1178.7	1179.2	1179.0	1178.8
147.5°	1215.2	1213.5	1211.9	1210.2	1211.9	1213.5	1215.2	1216.8	1217.5	1217.3	1217.0
150°	1239.8	1238.0	1236.1	1234.3	1236.1	1238.0	1239.8	1241.6	1242.3	1241.9	1241.4
152.5°	1261.6	1260.0	1258.3	1256.7	1258.3	1260.0	1261.6	1263.3	1263.9	1263.5	1262.9
155°	1291.6	1289.8	1287.9	1286.1	1287.9	1289.8	1291.6	1293.4	1294.1	1293.3	1292.6
157.5°	1316.3	1314.5	1312.6	1310.7	1312.6	1314.5	1316.3	1318.1	1318.7	1317.9	1317.2
160°	1332.0	1330.2	1328.4	1326.5	1328.4	1330.2	1332.0	1333.9	1334.4	1333.4	1332.5
162.5°	1346.7	1344.6	1342.6	1340.6	1342.6	1344.6	1346.7	1348.7	1349.1	1347.8	1346.5
165°	1365.2	1363.3	1361.5	1359.7	1361.5	1363.3	1365.2	1367.0	1367.3	1365.9	1364.5
167.5°	1379.1	1377.1	1375.0	1373.0	1375.0	1377.1	1379.1	1381.3	1381.4	1379.7	1378.1
170°	1386.6	1384.6	1382.5	1380.4	1382.5	1384.6	1386.6	1388.7	1388.8	1387.0	1385.1
172.5°	1391.6	1389.6	1387.4	1385.4	1387.4	1389.6	1391.6	1393.7	1393.8	1392.2	1390.5
175°	1398.0	1396.0	1393.8	1391.8	1393.8	1396.0	1398.0	1400.1	1400.2	1398.4	1396.5
177.5°	1400.0	1398.5	1397.0	1395.5	1397.0	1398.5	1400.0	1401.4	1401.5	1400.3	1398.9
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333544-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	791.0	794.0	795.6	799.4	804.9	807.5	811.4	814.0	817.9	822.4	826.3
5°	739.8	748.0	753.3	761.8	769.6	777.4	787.2	794.3	803.8	814.7	823.1
7.5°	692.2	702.4	711.4	722.6	735.5	745.5	758.3	771.3	786.2	801.6	816.1
10°	661.9	672.1	683.2	697.1	710.0	723.5	738.8	754.0	772.7	790.0	809.6
12.5°	631.8	643.0	655.6	671.1	686.7	704.0	719.5	736.6	756.7	779.1	800.1
15°	594.5	605.3	618.8	632.0	650.1	669.0	689.6	712.4	734.7	759.8	785.9
17.5°	554.5	566.3	581.3	596.6	615.5	637.7	658.0	682.8	707.9	737.2	767.9
20°	528.4	540.6	558.2	575.2	592.5	614.1	638.2	663.6	690.4	721.1	755.4
22.5°	507.8	516.5	533.9	551.1	571.3	593.5	617.1	643.5	672.7	704.6	740.5
25°	477.2	487.4	500.0	517.9	539.0	562.3	586.0	614.1	646.0	678.5	716.8
27.5°	450.1	458.4	470.8	484.9	505.9	530.1	555.4	584.7	617.3	650.4	690.7
30°	430.9	440.1	451.8	466.8	483.4	509.8	535.6	564.4	597.5	631.8	673.1
32.5°	414.1	423.5	433.7	447.8	465.7	489.2	515.8	544.0	577.7	613.1	653.3
35°	390.6	397.0	406.4	420.4	438.0	456.9	484.0	513.9	546.7	583.3	623.6
37.5°	363.6	371.9	381.4	393.4	408.8	429.4	454.6	484.7	515.2	550.3	587.0
40°	347.9	355.7	366.1	375.0	391.3	409.8	432.9	464.4	494.9	527.7	561.2
42.5°	331.9	339.4	348.3	359.3	373.9	392.0	413.4	442.7	475.4	506.3	534.5
45°	306.9	314.7	323.2	333.3	346.9	364.4	385.8	412.6	441.0	469.5	490.8
47.5°	282.9	290.3	298.3	308.7	321.2	338.2	357.3	380.9	408.6	432.7	448.0
50°	265.9	272.7	281.5	291.7	303.8	319.8	338.0	361.4	384.5	406.4	420.4
52.5°	249.1	256.7	265.5	274.3	286.0	301.8	318.8	338.9	360.9	378.8	390.3
55°	223.9	231.0	239.2	248.3	259.8	273.4	291.3	307.2	324.5	339.7	346.5
57.5°	199.6	205.8	213.5	222.9	233.4	245.9	260.1	275.4	287.7	298.5	306.1
60°	183.6	189.0	196.1	204.3	215.4	226.9	239.8	254.0	263.5	272.7	279.8
62.5°	167.4	172.5	179.3	186.6	196.4	207.1	219.5	231.0	240.2	246.4	254.6
65°	142.9	148.0	153.8	161.6	169.3	178.2	189.3	197.8	204.3	211.1	216.2
67.5°	120.3	124.5	129.9	136.1	142.6	151.1	159.7	166.7	171.2	175.2	181.4
70°	105.3	108.7	113.2	117.9	125.0	133.5	140.3	145.6	148.7	152.8	160.2
72.5°	90.2	94.1	98.3	103.0	108.7	115.8	121.8	127.2	129.2	132.4	137.1
75°	71.2	73.2	76.6	79.9	84.0	90.1	95.9	97.2	98.9	101.7	105.0
77.5°	53.8	55.6	57.0	59.2	62.4	67.3	70.4	72.4	72.9	73.8	77.1
80°	42.7	43.7	45.0	46.7	48.1	52.2	53.9	55.9	56.5	57.6	59.3
82.5°	31.3	32.3	33.2	34.5	36.7	38.3	40.0	42.1	42.2	43.0	43.2
85°	18.3	18.6	17.9	18.6	19.0	19.6	21.3	23.0	22.7	22.4	23.4
87.5°	10.1	9.8	9.2	9.7	8.8	8.8	8.5	8.4	8.6	8.7	8.9
90°	17.7	16.6	15.0	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1
92.5°	17.7	16.6	15.2	13.7	12.3	10.9	10.8	12.1	13.4	14.7	16.0
95°	17.7	16.6	25.3	34.1	42.8	51.6	56.3	57.0	57.7	58.4	59.0
97.5°	44.5	51.0	68.3	85.6	102.9	120.3	128.3	127.1	125.8	124.6	123.3
100°	146.0	180.3	179.4	178.5	177.5	176.6	175.8	175.1	174.4	173.8	173.1
102.5°	223.6	230.1	229.5	229.0	228.4	227.8	227.1	226.2	225.4	224.5	223.6
105°	308.8	308.8	308.8	308.8	308.8	308.8	308.4	307.5	306.5	305.6	304.7
107.5°	390.9	390.9	390.5	389.9	389.5	389.1	388.9	388.9	388.9	388.9	388.9
110°	445.0	445.6	445.1	444.7	444.3	443.8	443.5	443.5	443.5	443.5	443.5



TEST NUMBER: P333544-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	497.8	498.6	498.4	498.1	497.8	497.6	497.1	496.6	496.1	495.5	495.0
115°	577.4	578.3	578.0	577.8	577.6	577.4	576.7	575.5	574.4	573.2	572.0
117.5°	654.4	655.6	654.7	653.8	653.0	652.1	651.7	651.8	651.8	651.8	651.8
120°	703.2	703.6	702.9	702.3	701.6	700.9	700.7	700.9	701.2	701.3	701.6
122.5°	750.5	750.9	750.6	750.3	749.9	749.7	749.0	748.1	747.3	746.5	745.6
125°	819.8	820.7	820.7	820.7	820.7	820.7	819.9	818.3	816.7	815.1	813.5
127.5°	882.4	883.0	883.1	883.2	883.3	883.5	883.0	881.8	880.7	879.6	878.4
130°	923.7	924.4	924.2	924.0	923.7	923.5	922.8	921.7	920.5	919.4	918.2
132.5°	961.6	961.7	962.2	962.7	963.2	963.8	963.3	962.0	960.6	959.3	958.0
135°	1018.2	1018.7	1019.1	1019.7	1020.1	1020.6	1020.1	1018.7	1017.4	1015.9	1014.6
137.5°	1070.2	1070.1	1070.5	1070.9	1071.4	1071.7	1071.4	1070.1	1069.0	1067.8	1066.6
140°	1102.1	1101.6	1101.9	1102.1	1102.3	1102.5	1102.4	1102.0	1101.5	1101.1	1100.5
142.5°	1134.1	1134.0	1133.6	1133.3	1133.0	1132.7	1132.4	1132.1	1131.8	1131.5	1131.2
145°	1178.6	1178.3	1178.3	1178.3	1178.3	1178.3	1178.0	1177.6	1177.1	1176.7	1176.3
147.5°	1216.7	1216.5	1216.2	1215.8	1215.6	1215.3	1215.2	1215.3	1215.4	1215.5	1215.6
150°	1240.9	1240.5	1240.0	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5
152.5°	1262.5	1262.0	1261.6	1261.1	1260.7	1260.2	1260.4	1261.5	1262.5	1263.6	1264.5
155°	1292.0	1291.3	1290.8	1290.3	1289.9	1289.4	1289.9	1291.3	1292.6	1294.1	1295.4
157.5°	1316.4	1315.7	1315.7	1315.6	1315.6	1315.5	1315.9	1316.8	1317.6	1318.4	1319.3
160°	1331.6	1330.6	1330.4	1330.2	1330.0	1329.7	1330.3	1331.7	1333.1	1334.4	1335.9
162.5°	1345.2	1343.9	1343.7	1343.5	1343.2	1343.0	1343.5	1345.0	1346.3	1347.7	1349.1
165°	1363.2	1361.7	1361.5	1361.3	1361.0	1360.8	1361.4	1362.8	1364.1	1365.6	1366.9
167.5°	1376.4	1374.8	1374.6	1374.3	1374.1	1373.9	1374.5	1375.9	1377.3	1378.8	1380.2
170°	1383.3	1381.4	1381.2	1381.0	1380.7	1380.5	1381.2	1382.8	1384.4	1386.1	1387.7
172.5°	1388.9	1387.2	1386.8	1386.4	1386.0	1385.5	1386.2	1387.8	1389.4	1391.0	1392.6
175°	1394.6	1392.9	1392.6	1392.4	1392.1	1391.9	1392.5	1393.8	1395.3	1396.6	1398.0
177.5°	1397.7	1396.3	1396.2	1396.0	1395.8	1395.6	1396.1	1397.2	1398.3	1399.4	1400.5
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333544-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	829.2	831.7	835.2	839.3	842.5	846.1	847.9	847.9	849.5	853.1	857.6
5°	831.6	840.4	848.9	859.7	868.2	878.0	885.5	892.6	899.0	907.1	915.6
7.5°	830.9	845.5	860.8	877.9	896.7	911.7	927.0	939.1	951.0	966.6	978.9
10°	828.2	847.2	867.8	889.5	913.2	933.9	952.5	969.5	985.7	1002.6	1017.9
12.5°	823.3	847.5	872.7	898.8	928.7	952.3	976.3	994.4	1013.3	1031.9	1050.7
15°	816.0	844.5	874.9	911.2	947.8	974.2	997.9	1021.3	1038.9	1059.9	1077.9
17.5°	800.9	837.6	875.9	915.5	950.7	981.4	1006.2	1028.5	1047.2	1070.3	1094.8
20°	791.9	831.6	871.6	913.9	947.4	978.9	1003.0	1026.0	1049.4	1079.6	1109.4
22.5°	779.5	821.8	864.2	904.5	939.9	970.3	995.1	1023.3	1054.0	1088.2	1124.3
25°	759.8	803.5	845.5	883.8	918.3	949.5	983.4	1021.3	1058.5	1103.6	1155.4
27.5°	734.8	776.9	814.4	854.8	889.2	928.8	971.1	1012.2	1066.0	1127.9	1192.7
30°	716.0	756.1	791.7	829.9	868.9	912.6	960.0	1008.4	1072.5	1145.2	1222.2
32.5°	694.4	730.6	765.9	802.8	847.7	895.7	946.2	1005.4	1081.9	1164.8	1244.4
35°	656.8	689.3	723.5	764.6	812.3	864.4	928.8	1000.9	1093.4	1182.5	1254.0
37.5°	617.4	643.0	677.4	720.6	772.7	833.0	906.1	993.7	1088.7	1168.7	1199.1
40°	587.0	611.1	647.3	692.7	744.2	810.3	892.2	982.3	1077.9	1133.4	1131.0
42.5°	557.0	581.3	616.2	661.8	715.5	789.4	873.8	967.4	1048.0	1069.2	1025.1
45°	510.8	533.5	567.8	613.8	671.4	748.9	837.7	927.5	978.9	944.8	857.4
47.5°	463.8	485.8	517.5	562.7	625.5	706.8	790.7	864.3	871.6	798.1	693.2
50°	432.9	453.5	483.8	531.8	592.8	672.1	753.0	810.9	793.0	703.2	595.1
52.5°	402.8	422.7	450.9	496.3	558.7	636.3	708.6	754.0	712.5	617.1	519.9
55°	358.4	377.4	405.8	447.5	504.0	575.2	638.6	655.1	594.1	497.9	419.4
57.5°	316.2	330.0	358.2	395.0	449.6	512.3	557.7	554.7	487.4	400.8	344.5
60°	288.3	300.8	327.5	361.4	413.2	469.5	501.3	487.8	419.7	348.2	294.0
62.5°	262.3	273.9	296.4	327.5	372.1	421.0	444.2	425.4	361.1	298.4	255.3
65°	222.9	231.4	249.3	278.1	313.0	346.9	367.6	340.1	283.2	235.8	203.2
67.5°	186.1	193.4	209.4	230.1	254.1	277.5	285.9	260.1	215.9	184.0	161.0
70°	162.3	169.1	179.9	199.2	215.1	231.7	235.8	212.8	175.8	151.4	137.1
72.5°	139.5	145.7	155.2	168.8	179.9	189.4	191.4	169.9	141.7	124.8	113.9
75°	106.4	111.8	117.9	123.0	130.1	131.8	131.1	114.5	99.2	88.1	81.9
77.5°	78.2	80.4	84.2	86.1	86.5	86.4	82.9	72.4	64.6	59.9	57.4
80°	60.3	62.0	63.0	63.7	64.0	60.6	56.9	50.5	47.8	45.0	42.0
82.5°	43.8	44.9	45.9	46.1	44.2	41.4	37.9	34.8	32.8	31.5	30.3
85°	23.7	24.1	23.7	22.0	19.6	18.6	17.9	17.3	16.9	16.6	16.6
87.5°	9.0	8.6	7.6	8.2	8.6	8.6	8.9	8.9	9.0	9.3	9.5
90°	2.9	4.7	6.6	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9
92.5°	14.7	13.4	12.1	10.8	10.9	12.3	13.7	15.2	16.6	17.7	18.9
95°	58.4	57.7	57.0	56.3	51.6	42.8	34.1	25.3	16.6	17.7	18.9
97.5°	124.6	125.8	127.1	128.3	120.3	102.9	85.6	68.3	51.0	44.5	38.0
100°	173.8	174.4	175.1	175.8	176.6	177.5	178.5	179.4	180.3	146.0	111.7
102.5°	224.5	225.4	226.2	227.1	227.8	228.4	229.0	229.5	230.1	223.6	217.0
105°	305.6	306.5	307.5	308.4	308.8	308.8	308.8	308.8	308.8	308.8	308.8
107.5°	388.9	388.9	388.9	388.9	389.1	389.5	389.9	390.5	390.9	390.9	391.0
110°	443.5	443.5	443.5	443.5	443.8	444.3	444.7	445.1	445.6	445.0	444.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	495.5	496.1	496.6	497.1	497.6	497.8	498.1	498.4	498.6	497.8	497.0
115°	573.2	574.4	575.5	576.7	577.4	577.6	577.8	578.0	578.3	577.4	576.4
117.5°	651.8	651.8	651.8	651.7	652.1	653.0	653.8	654.7	655.6	654.4	653.2
120°	701.3	701.2	700.9	700.7	700.9	701.6	702.3	702.9	703.6	703.2	702.8
122.5°	746.5	747.3	748.1	749.0	749.7	749.9	750.3	750.6	750.9	750.5	750.0
125°	815.1	816.7	818.3	819.9	820.7	820.7	820.7	820.7	820.7	819.8	818.9
127.5°	879.6	880.7	881.8	883.0	883.5	883.3	883.2	883.1	883.0	882.4	881.9
130°	919.4	920.5	921.7	922.8	923.5	923.7	924.0	924.2	924.4	923.7	923.0
132.5°	959.3	960.6	962.0	963.3	963.8	963.2	962.7	962.2	961.7	961.6	961.4
135°	1015.9	1017.4	1018.7	1020.1	1020.6	1020.1	1019.7	1019.1	1018.7	1018.2	1017.8
137.5°	1067.8	1069.0	1070.1	1071.4	1071.7	1071.4	1070.9	1070.5	1070.1	1070.2	1070.3
140°	1101.1	1101.5	1102.0	1102.4	1102.5	1102.3	1102.1	1101.9	1101.6	1102.1	1102.5
142.5°	1131.5	1131.8	1132.1	1132.4	1132.7	1133.0	1133.3	1133.6	1134.0	1134.1	1134.2
145°	1176.7	1177.1	1177.6	1178.0	1178.3	1178.3	1178.3	1178.3	1178.3	1178.6	1178.8
147.5°	1215.5	1215.4	1215.3	1215.2	1215.3	1215.6	1215.8	1216.2	1216.5	1216.7	1217.0
150°	1240.0	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.9	1241.4
152.5°	1263.6	1262.5	1261.5	1260.4	1260.2	1260.7	1261.1	1261.6	1262.0	1262.5	1262.9
155°	1294.1	1292.6	1291.3	1289.9	1289.4	1289.9	1290.3	1290.8	1291.3	1292.0	1292.6
157.5°	1318.4	1317.6	1316.8	1315.9	1315.5	1315.6	1315.6	1315.7	1315.7	1316.4	1317.2
160°	1334.4	1333.1	1331.7	1330.3	1329.7	1330.0	1330.2	1330.4	1330.6	1331.6	1332.5
162.5°	1347.7	1346.3	1345.0	1343.5	1343.0	1343.2	1343.5	1343.7	1343.9	1345.2	1346.5
165°	1365.6	1364.1	1362.8	1361.4	1360.8	1361.0	1361.3	1361.5	1361.7	1363.2	1364.5
167.5°	1378.8	1377.3	1375.9	1374.5	1373.9	1374.1	1374.3	1374.6	1374.8	1376.4	1378.1
170°	1386.1	1384.4	1382.8	1381.2	1380.5	1380.7	1381.0	1381.2	1381.4	1383.3	1385.1
172.5°	1391.0	1389.4	1387.8	1386.2	1385.5	1386.0	1386.4	1386.8	1387.2	1388.9	1390.5
175°	1396.6	1395.3	1393.8	1392.5	1391.9	1392.1	1392.4	1392.6	1392.9	1394.6	1396.5
177.5°	1399.4	1398.3	1397.2	1396.1	1395.6	1395.8	1396.0	1396.2	1396.3	1397.7	1398.9
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	825.2	825.2	825.2	825.2	825.2	825.2	825.2
2.5°	861.2	861.2	865.9	865.5	868.5	867.5	868.0
5°	925.8	931.5	936.6	940.0	945.0	946.5	945.7
7.5°	992.7	1005.5	1011.7	1020.3	1021.8	1026.3	1025.8
10°	1034.1	1046.7	1056.1	1063.6	1067.4	1072.1	1072.5
12.5°	1066.7	1077.3	1085.7	1092.6	1097.2	1098.7	1099.6
15°	1092.1	1103.9	1113.7	1123.6	1129.4	1133.7	1136.1
17.5°	1117.7	1136.0	1153.3	1166.7	1174.7	1181.4	1181.3
20°	1137.5	1158.5	1180.2	1195.4	1210.9	1217.7	1218.8
22.5°	1158.6	1190.7	1218.6	1242.2	1262.8	1269.8	1272.4
25°	1202.5	1244.5	1287.5	1320.7	1344.4	1358.3	1360.4
27.5°	1255.5	1312.4	1357.6	1388.3	1408.0	1418.3	1420.5
30°	1293.0	1345.4	1386.1	1409.2	1418.3	1419.6	1414.5
32.5°	1309.7	1349.0	1365.2	1363.9	1345.9	1334.0	1329.5
35°	1289.2	1281.1	1241.4	1194.0	1157.8	1134.8	1128.6
37.5°	1173.2	1103.1	1030.2	958.6	920.4	901.1	867.7
40°	1058.9	958.9	883.1	822.8	779.8	745.2	737.1
42.5°	929.9	826.7	750.8	699.2	664.9	641.1	630.9
45°	747.3	658.5	595.8	556.2	529.8	512.5	504.7
47.5°	597.6	529.0	483.3	454.0	433.8	418.8	414.6
50°	515.6	460.7	422.0	397.3	382.1	370.6	365.9
52.5°	447.8	403.5	373.8	353.5	339.0	331.8	327.9
55°	369.5	331.3	310.0	293.6	285.5	279.8	277.1
57.5°	302.2	274.6	259.0	247.7	240.2	236.6	235.2
60°	264.6	242.9	228.6	219.8	214.7	210.0	208.7
62.5°	231.2	214.2	203.1	195.5	190.4	188.3	187.5
65°	186.3	175.1	167.0	162.3	158.2	157.5	157.2
67.5°	148.1	141.5	137.2	132.3	130.9	128.5	128.0
70°	126.7	122.3	117.2	115.5	113.8	111.5	111.8
72.5°	107.5	103.1	99.6	97.4	96.8	95.8	96.6
75°	78.6	77.2	75.9	74.2	73.5	73.5	73.2
77.5°	56.1	54.9	53.4	52.4	52.3	50.8	51.4
80°	40.7	39.0	38.3	38.6	37.6	37.3	37.3
82.5°	30.1	29.4	28.8	28.9	28.6	28.4	28.6
85°	16.6	16.2	16.2	16.0	16.0	15.6	15.6
87.5°	10.0	10.4	10.1	10.0	10.1	10.5	11.0
90°	20.1	21.2	22.1	22.8	23.5	24.2	24.9
92.5°	20.1	21.2	21.9	22.2	22.6	22.9	23.2
95°	20.1	21.2	21.8	21.8	21.8	21.8	21.8
97.5°	31.5	25.0	21.8	21.8	21.8	21.8	21.8
100°	77.4	43.1	25.4	24.5	23.6	22.6	21.8
102.5°	210.6	204.1	193.1	177.4	161.7	146.1	130.4
105°	308.8	308.8	308.7	308.4	308.3	308.0	307.8
107.5°	391.0	391.1	390.7	390.0	389.4	388.7	388.0
110°	443.5	442.8	442.6	442.8	443.1	443.4	443.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	496.1	495.2	494.5	494.3	493.9	493.7	493.3
115°	575.5	574.6	573.5	572.0	570.7	569.3	567.9
117.5°	652.0	650.8	649.9	649.3	648.7	648.1	647.5
120°	702.3	701.9	701.1	699.9	698.7	697.6	696.4
122.5°	749.6	749.1	748.1	746.8	745.5	744.2	742.9
125°	818.0	817.1	816.3	815.6	814.9	814.2	813.5
127.5°	881.5	880.9	879.9	878.2	876.4	874.7	873.0
130°	922.3	921.7	920.7	919.5	918.5	917.3	916.1
132.5°	961.3	961.2	960.6	959.4	958.2	957.1	955.9
135°	1017.4	1016.9	1015.9	1014.6	1013.2	1011.8	1010.4
137.5°	1070.4	1070.5	1070.0	1068.7	1067.6	1066.3	1065.1
140°	1103.0	1103.5	1103.0	1101.6	1100.3	1098.9	1097.5
142.5°	1134.3	1134.3	1133.7	1132.3	1131.0	1129.5	1128.2
145°	1179.0	1179.2	1178.7	1177.2	1175.9	1174.5	1173.1
147.5°	1217.3	1217.5	1216.8	1215.2	1213.5	1211.9	1210.2
150°	1241.9	1242.3	1241.6	1239.8	1238.0	1236.1	1234.3
152.5°	1263.5	1263.9	1263.3	1261.6	1260.0	1258.3	1256.7
155°	1293.3	1294.1	1293.4	1291.6	1289.8	1287.9	1286.1
157.5°	1317.9	1318.7	1318.1	1316.3	1314.5	1312.6	1310.7
160°	1333.4	1334.4	1333.9	1332.0	1330.2	1328.4	1326.5
162.5°	1347.8	1349.1	1348.7	1346.7	1344.6	1342.6	1340.6
165°	1365.9	1367.3	1367.0	1365.2	1363.3	1361.5	1359.7
167.5°	1379.7	1381.4	1381.3	1379.1	1377.1	1375.0	1373.0
170°	1387.0	1388.8	1388.7	1386.6	1384.6	1382.5	1380.4
172.5°	1392.2	1393.8	1393.7	1391.6	1389.6	1387.4	1385.4
175°	1398.4	1400.2	1400.1	1398.0	1396.0	1393.8	1391.8
177.5°	1400.3	1401.5	1401.4	1400.0	1398.5	1397.0	1395.5
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0

(END OF REPORT)