

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: P332914-940

Luminaire Tested: **S124RDIP-S575D1035U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332914-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIP-S575D1035U940-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

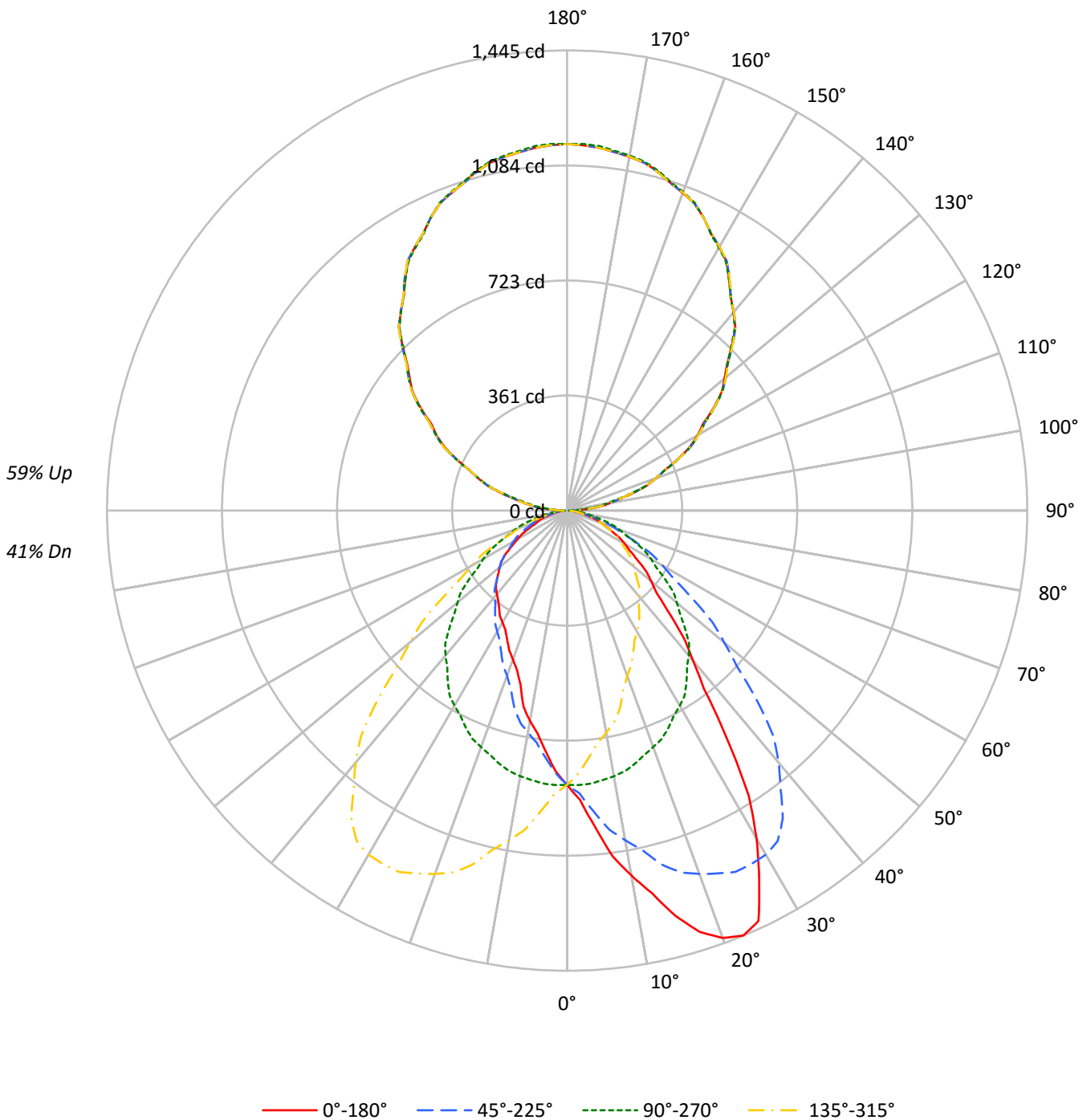
Lumens per Lamp: N/A  
Luminaire Lumens: 5373.1 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41																												
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35																												
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	38	36	35	30																												
3	80	71	64	59	73	65	59	54	54	50	46	44	40	38	34	32	30	26																												
4	74	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22																												
5	68	56	49	43	61	52	45	40	43	38	34	35	31	28	28	25	23	20																												
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	22	20	17																												
7	58	46	38	33	52	42	35	30	35	30	26	29	25	22	23	20	18	15																												
8	53	41	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14																												
9	50	38	31	26	45	35	29	24	30	24	21	24	21	18	19	17	15	13																												
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11																												

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

	0°	90°	180°	270°
0°	6952	6952	6952	6952
5°	8064	6972	6163	6972
10°	9539	6942	5501	6942
15°	11019	6878	4726	6878
20°	12269	6790	4274	6790
25°	12665	6703	3968	6703
30°	11087	6598	3784	6598
35°	8630	6441	3672	6441
40°	6472	6263	3613	6263
45°	5109	5977	3580	5977
50°	4314	5647	3478	5647
55°	3761	5284	3291	5284
60°	3384	4907	2913	4907
65°	2982	4500	2506	4500
70°	2686	4079	2261	4079
75°	2249	3615	1928	3615
80°	1901	3082	1808	3082
85°	1612	2408	1612	2408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	1.6
10°-20°	251.7	4.7
20°-30°	393.7	7.3
30°-40°	437.6	8.1
40°-50°	388.3	7.2
50°-60°	302.5	5.6
60°-70°	198.1	3.7
70°-80°	97.4	1.8
80°-90°	27.5	0.5
90°-100°	75.9	1.4
100°-110°	224.9	4.2
110°-120°	381.7	7.1
120°-130°	503.2	9.4
130°-140°	565.2	10.5
140°-150°	555.4	10.3
150°-160°	467.1	8.7
160°-170°	310.8	5.8
170°-180°	108.8	2.0
0°-30°	728.8	13.6
0°-40°	1166.4	21.7
0°-60°	1857.2	34.6
0°-90°	2180.2	40.6
90°-120°	682.4	12.7
90°-150°	2306.2	42.9
90°-180°	3193.0	59.4
0°-180°	5373.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	861	861	861	861	861	
5°	995	860	760	860	995	101
15°	1318	823	566	823	1318	375
25°	1422	752	446	752	1422	631
35°	876	654	373	654	876	549
45°	448	524	314	524	448	354
55°	267	375	234	375	267	243
65°	156	236	131	236	156	157
75°	72	116	62	116	72	79
85°	17	26	17	26	17	20
90°	27	3	27	3	27	14
95°	70	53	70	53	70	73
105°	217	207	217	207	217	229
115°	384	388	384	388	384	380
125°	561	565	561	565	561	500
135°	730	729	730	729	730	564
145°	886	886	886	886	886	555
155°	1014	1015	1014	1015	1014	467
165°	1102	1105	1102	1105	1102	310
175°	1144	1149	1144	1149	1144	109
180°	1151	1151	1151	1151	1151	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	908.3	910.8	908.3	908.0	905.3	904.5	903.3	899.7	893.0	889.1	890.0
5°	995.1	1003.7	998.9	998.2	990.5	982.9	978.0	967.0	955.1	947.2	940.6
7.5°	1095.4	1100.4	1097.3	1092.4	1080.1	1073.1	1061.8	1047.2	1026.1	1009.9	995.1
10°	1163.7	1167.8	1166.4	1157.4	1148.4	1130.0	1119.6	1099.1	1072.4	1051.2	1031.4
12.5°	1230.8	1235.3	1223.1	1223.5	1206.4	1191.9	1175.4	1149.7	1118.7	1091.5	1066.8
15°	1318.4	1312.9	1312.9	1305.9	1286.8	1266.7	1249.7	1222.6	1183.7	1151.2	1116.9
17.5°	1387.0	1388.9	1386.1	1369.7	1354.7	1333.9	1302.7	1271.1	1235.0	1191.2	1156.2
20°	1428.1	1428.1	1425.0	1413.8	1394.4	1372.2	1338.5	1304.2	1258.4	1214.3	1174.7
22.5°	1444.7	1445.8	1442.2	1433.0	1415.5	1393.8	1365.2	1330.3	1283.1	1233.5	1184.5
25°	1421.8	1428.3	1429.1	1426.6	1421.5	1408.3	1383.7	1347.9	1305.6	1251.8	1199.1
27.5°	1305.4	1313.7	1321.0	1332.9	1348.9	1357.3	1358.3	1340.2	1303.2	1251.5	1198.5
30°	1189.4	1196.2	1218.8	1248.3	1271.2	1292.0	1310.1	1314.9	1294.1	1247.6	1191.8
32.5°	1060.5	1070.0	1092.5	1124.3	1162.4	1197.7	1238.2	1258.8	1258.3	1230.4	1178.8
35°	875.7	882.6	903.5	936.7	982.6	1034.9	1099.1	1149.1	1183.1	1180.6	1149.1
37.5°	706.2	714.1	735.1	762.8	807.2	872.0	934.2	1003.0	1065.9	1101.2	1090.6
40°	614.1	614.5	634.9	663.3	705.0	761.5	829.2	905.5	975.6	1032.9	1043.9
42.5°	541.4	541.4	555.0	585.7	615.6	668.9	733.4	809.2	891.3	957.3	986.8
45°	447.5	450.7	461.8	480.2	503.7	548.8	600.6	671.0	762.9	841.3	890.3
47.5°	379.0	383.6	390.7	405.6	424.5	454.5	497.2	560.5	635.3	721.6	791.2
50°	343.5	344.2	353.2	361.5	377.8	401.8	439.3	492.0	560.7	643.5	720.9
52.5°	313.0	312.8	318.3	328.8	342.1	360.7	390.9	439.0	499.9	574.2	654.1
55°	267.2	268.9	273.0	281.3	291.4	304.6	328.6	364.6	412.5	476.0	548.5
57.5°	232.3	233.2	236.5	240.0	249.2	258.9	276.8	301.8	342.2	394.2	461.8
60°	209.6	209.9	211.0	216.2	223.5	232.5	244.6	265.7	299.8	347.3	400.7
62.5°	187.3	188.0	189.6	193.4	199.0	205.3	217.9	235.0	263.1	303.7	351.9
65°	156.1	156.5	158.9	160.3	164.8	170.3	179.7	191.2	210.6	244.6	281.1
67.5°	130.5	130.5	130.5	132.5	135.6	139.3	144.9	154.1	168.7	189.6	221.7
70°	113.8	113.8	114.5	115.6	117.3	120.4	123.5	130.5	141.2	158.2	182.8
72.5°	98.3	98.5	99.2	99.4	100.3	102.9	105.2	109.6	117.6	130.5	150.3
75°	72.1	73.2	74.9	76.3	78.0	77.8	80.2	82.9	85.3	93.0	104.4
77.5°	53.7	53.1	53.3	54.6	54.8	55.1	56.8	58.9	60.8	64.4	68.5
80°	40.9	40.9	42.0	42.4	42.0	42.4	44.1	45.1	45.8	47.2	51.0
82.5°	30.9	31.5	31.1	31.5	31.7	32.1	33.5	33.7	34.4	35.0	36.6
85°	17.4	17.7	18.0	17.4	17.4	17.4	18.0	18.4	19.1	18.7	19.4
87.5°	11.4	11.1	11.3	11.2	11.4	11.0	11.0	11.3	10.5	10.6	10.3
90°	26.7	26.3	25.9	25.5	25.1	24.3	23.2	21.9	20.8	19.6	18.0
92.5°	39.5	39.3	39.1	38.8	38.6	38.1	37.4	36.6	35.9	35.2	34.2
95°	70.4	70.4	70.4	70.4	70.4	70.0	69.5	68.8	68.2	67.7	66.3
97.5°	110.2	110.2	110.2	110.2	110.2	109.9	109.1	108.4	107.7	107.0	105.4
100°	137.9	137.9	137.9	137.9	137.9	137.8	137.3	137.0	136.6	136.2	134.4
102.5°	169.2	169.2	169.0	168.8	168.6	168.3	167.7	167.2	166.7	166.1	164.4
105°	217.1	216.6	216.0	215.3	214.8	214.2	213.7	213.0	212.4	211.9	211.1
107.5°	263.8	263.9	263.9	263.9	263.9	263.7	263.1	262.6	262.1	261.5	261.4
110°	297.3	296.7	296.0	295.5	294.9	294.8	295.2	295.6	296.0	296.4	296.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	331.4	331.4	331.2	331.1	331.0	331.0	331.0	331.1	331.2	331.3	331.6
115°	384.5	384.7	384.9	385.1	385.3	385.5	385.7	385.8	386.1	386.3	386.6
117.5°	435.1	435.4	435.9	436.2	436.7	437.2	437.8	438.5	439.2	439.9	440.1
120°	473.5	473.1	472.7	472.3	471.9	472.3	473.2	474.2	475.2	476.2	476.8
122.5°	505.5	506.2	506.9	507.7	508.4	509.1	509.8	510.4	511.1	511.8	512.0
125°	560.7	561.2	561.5	562.0	562.3	562.7	563.1	563.5	563.9	564.3	564.5
127.5°	611.8	612.2	612.4	612.8	613.1	613.4	613.9	614.2	614.7	615.0	615.4
130°	645.2	646.0	646.8	647.6	648.5	649.1	649.4	649.9	650.2	650.6	650.6
132.5°	680.9	681.2	681.5	681.8	682.2	682.5	682.9	683.3	683.7	684.1	684.2
135°	729.9	730.4	731.0	731.6	732.2	732.7	733.1	733.5	733.9	734.3	734.3
137.5°	781.3	781.1	781.0	781.0	780.8	781.0	781.5	782.0	782.6	783.1	782.7
140°	812.6	812.8	813.0	813.2	813.4	813.6	813.8	814.0	814.2	814.4	814.4
142.5°	843.9	844.0	844.0	844.1	844.1	844.2	844.2	844.2	844.3	844.3	844.5
145°	886.4	887.1	887.7	888.2	888.9	889.2	889.5	889.7	889.8	890.0	889.8
147.5°	929.6	929.8	930.0	930.1	930.3	930.5	930.7	930.9	931.0	931.2	931.3
150°	955.9	956.1	956.3	956.5	956.7	956.8	956.8	956.8	956.8	956.8	956.8
152.5°	980.1	980.6	981.1	981.7	982.2	982.2	981.7	981.2	980.8	980.3	980.2
155°	1013.8	1014.6	1015.4	1016.1	1016.9	1016.9	1016.1	1015.4	1014.6	1013.8	1014.0
157.5°	1043.8	1044.6	1045.2	1045.9	1046.5	1046.6	1046.0	1045.4	1044.8	1044.2	1044.3
160°	1061.0	1061.9	1062.9	1063.9	1064.9	1065.1	1064.5	1063.9	1063.3	1062.7	1062.9
162.5°	1078.7	1079.8	1080.8	1081.7	1082.7	1082.6	1081.6	1080.5	1079.4	1078.3	1078.6
165°	1101.9	1102.7	1103.5	1104.3	1105.0	1104.8	1103.7	1102.5	1101.3	1100.1	1100.5
167.5°	1118.5	1119.6	1120.9	1122.1	1123.4	1123.4	1122.2	1121.0	1119.8	1118.7	1118.6
170°	1127.7	1129.1	1130.4	1131.8	1133.2	1133.4	1132.1	1131.0	1129.8	1128.5	1128.4
172.5°	1135.5	1136.9	1138.3	1139.7	1141.0	1141.1	1139.7	1138.4	1137.0	1135.7	1135.7
175°	1143.7	1145.1	1146.5	1147.9	1149.2	1149.2	1147.9	1146.5	1145.1	1143.7	1143.9
177.5°	1148.0	1149.2	1150.5	1151.8	1153.1	1153.2	1152.0	1150.9	1149.8	1148.7	1148.7
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	887.3	883.3	881.4	876.9	871.6	868.9	866.4	862.8	858.1	853.1	849.4
5°	932.3	923.9	913.5	901.0	889.9	879.1	869.8	860.4	849.7	838.6	827.5
7.5°	978.5	962.1	944.4	923.9	904.0	885.9	869.2	853.3	835.3	819.0	804.3
10°	1010.7	988.5	963.9	937.8	911.8	889.2	867.0	846.9	824.7	804.9	788.3
12.5°	1036.8	1010.7	981.1	948.6	917.3	890.0	864.5	838.3	813.1	791.6	769.4
15°	1080.0	1044.3	1004.4	965.5	925.0	887.9	853.5	823.0	794.2	764.0	742.8
17.5°	1109.8	1067.4	1019.0	972.2	924.3	880.5	840.9	804.5	771.2	740.5	715.2
20°	1127.6	1080.8	1027.0	973.8	920.1	873.3	830.6	790.3	756.0	722.7	696.7
22.5°	1137.6	1085.7	1027.0	971.3	915.7	865.0	818.1	776.2	738.8	705.5	676.7
25°	1140.8	1085.2	1025.2	961.4	900.4	846.6	798.0	752.5	710.9	677.6	647.0
27.5°	1136.3	1070.9	1009.5	944.0	881.0	824.3	773.3	725.5	683.9	648.1	616.8
30°	1129.6	1059.6	993.6	925.7	861.8	807.4	753.6	707.8	664.4	627.3	595.8
32.5°	1115.3	1045.7	974.8	905.1	840.4	784.3	733.3	687.2	644.7	606.7	573.2
35°	1086.6	1016.2	939.1	867.7	804.2	745.9	698.0	653.6	613.1	572.5	537.1
37.5°	1048.9	977.0	900.4	822.2	758.6	703.6	659.6	618.0	578.3	541.3	502.0
40°	1013.4	947.9	868.8	791.0	725.9	672.7	632.1	594.3	554.5	517.6	478.4
42.5°	970.4	914.5	834.6	756.6	692.2	641.1	603.2	566.3	530.0	494.4	453.4
45°	898.6	856.3	781.3	706.4	641.5	590.8	556.2	523.5	491.6	457.6	419.1
47.5°	816.3	787.6	723.0	646.2	586.2	540.6	507.1	480.5	453.4	419.5	385.7
50°	759.1	740.7	678.3	608.2	551.0	509.0	474.7	449.6	427.1	394.5	364.3
52.5°	698.0	688.3	635.5	568.5	513.2	472.1	442.7	420.3	397.4	370.3	342.1
55°	605.1	610.3	565.5	507.6	455.6	420.9	394.1	375.4	356.0	333.1	311.2
57.5°	510.0	529.1	499.0	448.1	399.3	367.3	347.1	331.4	315.1	296.0	277.4
60°	453.1	469.0	452.1	407.3	364.6	334.8	316.1	303.9	287.6	270.3	256.0
62.5°	397.6	414.6	404.6	368.5	328.9	303.2	286.7	275.4	263.2	248.1	233.3
65°	327.9	338.9	334.1	309.2	281.1	259.1	243.9	235.6	224.4	213.4	200.2
67.5°	251.1	272.6	269.7	256.5	232.2	215.1	205.1	197.8	187.6	179.4	170.4
70°	206.4	226.2	225.9	215.1	201.9	185.9	179.1	172.8	163.7	155.8	148.5
72.5°	169.0	187.1	189.8	181.6	172.5	160.4	153.7	149.5	140.7	135.3	129.3
75°	118.3	131.5	135.0	135.0	130.8	124.6	118.7	115.9	109.6	104.8	101.3
77.5°	77.6	85.9	91.3	92.6	93.2	91.1	86.2	84.3	79.5	77.8	74.5
80°	54.8	60.4	66.6	68.7	70.4	69.7	67.7	66.3	61.8	60.0	58.7
82.5°	37.9	40.9	46.1	50.6	50.2	52.0	50.2	49.0	45.7	45.0	43.6
85°	19.8	20.2	20.8	23.9	25.7	26.4	26.8	26.0	25.0	25.0	22.6
87.5°	10.0	9.4	9.6	9.2	9.1	9.7	10.2	10.0	9.5	9.2	8.7
90°	16.4	14.8	13.3	11.4	9.2	7.0	4.8	2.7	4.8	7.0	9.2
92.5°	33.0	31.9	30.9	29.0	26.5	24.0	21.6	19.1	21.6	24.0	26.5
95°	64.9	63.5	62.1	60.5	58.8	57.0	55.2	53.4	55.2	57.0	58.8
97.5°	103.7	102.1	100.5	99.0	97.6	96.1	94.7	93.3	94.7	96.1	97.6
100°	132.6	130.8	129.0	127.8	127.0	126.2	125.4	124.6	125.4	126.2	127.0
102.5°	162.8	161.2	159.6	158.6	158.3	158.0	157.7	157.4	157.7	158.0	158.3
105°	210.3	209.5	208.7	208.2	207.9	207.8	207.6	207.4	207.6	207.8	207.9
107.5°	261.3	261.2	261.0	260.8	260.6	260.4	260.1	259.9	260.1	260.4	260.6
110°	296.8	296.9	297.2	297.1	296.7	296.3	295.9	295.5	295.9	296.3	296.7





TEST NUMBER: P332914-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	332.0	332.3	332.7	332.9	332.8	332.7	332.6	332.5	332.6	332.7	332.8
115°	387.1	387.4	387.9	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1
117.5°	440.4	440.7	441.0	441.0	440.9	440.7	440.6	440.4	440.6	440.7	440.9
120°	477.3	478.0	478.6	478.5	477.7	476.9	476.1	475.3	476.1	476.9	477.7
122.5°	512.3	512.6	512.9	512.8	512.6	512.2	511.9	511.6	511.9	512.2	512.6
125°	564.7	564.9	565.1	565.2	565.2	565.2	565.2	565.2	565.2	565.2	565.2
127.5°	615.6	616.0	616.3	616.2	615.5	614.9	614.4	613.8	614.4	614.9	615.5
130°	650.6	650.6	650.6	650.3	649.7	649.2	648.5	647.9	648.5	649.2	649.7
132.5°	684.4	684.6	684.7	684.6	684.1	683.7	683.3	682.9	683.3	683.7	684.1
135°	734.3	734.3	734.3	733.7	732.5	731.3	730.1	729.0	730.1	731.3	732.5
137.5°	782.5	782.1	781.8	781.4	780.8	780.2	779.7	779.2	779.7	780.2	780.8
140°	814.4	814.4	814.4	814.2	813.8	813.4	813.0	812.6	813.0	813.4	813.8
142.5°	844.6	844.8	844.9	844.8	844.5	844.0	843.6	843.2	843.6	844.0	844.5
145°	889.7	889.5	889.2	888.8	888.0	887.2	886.4	885.6	886.4	887.2	888.0
147.5°	931.5	931.7	931.8	931.4	930.5	929.5	928.5	927.6	928.5	929.5	930.5
150°	956.8	956.8	956.8	956.4	955.6	954.8	954.0	953.2	954.0	954.8	955.6
152.5°	980.0	979.8	979.6	979.4	978.9	978.4	977.9	977.5	977.9	978.4	978.9
155°	1014.1	1014.3	1014.6	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7
157.5°	1044.3	1044.3	1044.4	1044.6	1044.9	1045.3	1045.6	1046.0	1045.6	1045.3	1044.9
160°	1063.1	1063.3	1063.5	1063.7	1063.9	1064.1	1064.3	1064.5	1064.3	1064.1	1063.9
162.5°	1078.8	1079.0	1079.1	1079.5	1080.0	1080.6	1081.1	1081.6	1081.1	1080.6	1080.0
165°	1100.9	1101.3	1101.7	1102.2	1102.8	1103.4	1103.9	1104.6	1103.9	1103.4	1102.8
167.5°	1118.6	1118.5	1118.5	1118.8	1119.7	1120.5	1121.3	1122.2	1121.3	1120.5	1119.7
170°	1128.2	1128.0	1127.7	1128.2	1129.2	1130.2	1131.1	1132.1	1131.1	1130.2	1129.2
172.5°	1135.6	1135.6	1135.5	1136.0	1136.8	1137.6	1138.4	1139.2	1138.4	1137.6	1136.8
175°	1144.1	1144.3	1144.5	1145.1	1146.1	1147.1	1148.1	1149.1	1148.1	1147.1	1146.1
177.5°	1148.7	1148.7	1148.7	1149.1	1149.9	1150.7	1151.5	1152.3	1151.5	1150.7	1149.9
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	845.6	842.8	839.2	835.0	830.0	825.6	823.7	825.3	826.2	823.9	823.7
5°	819.8	811.2	804.2	793.8	785.5	778.6	773.6	771.6	772.3	766.8	765.4
7.5°	790.9	780.6	769.3	756.9	745.4	735.2	729.9	726.9	721.0	718.5	714.3
10°	772.3	758.4	747.3	732.7	719.6	707.4	701.5	696.7	690.8	688.0	682.1
12.5°	753.1	737.1	724.9	709.7	696.2	681.6	676.0	667.0	657.7	651.9	644.4
15°	726.1	706.8	691.8	673.8	657.8	641.1	626.2	609.6	603.3	590.1	582.6
17.5°	694.6	674.8	656.4	632.2	607.6	586.9	571.0	555.1	545.5	537.1	533.2
20°	673.8	655.8	630.1	602.0	574.5	551.6	538.8	528.4	518.0	512.1	507.9
22.5°	654.1	631.1	601.2	570.9	543.5	525.6	514.7	504.0	495.5	489.9	484.4
25°	621.1	590.8	559.3	524.6	505.9	490.3	478.4	469.8	464.6	457.3	454.5
27.5°	587.1	550.5	515.7	492.4	472.9	458.6	448.4	441.8	435.2	430.5	427.0
30°	561.0	523.9	492.7	470.5	450.7	438.9	430.5	422.9	417.8	413.9	411.2
32.5°	535.2	498.1	471.8	448.0	432.4	420.9	412.0	406.3	402.2	397.3	395.6
35°	497.8	464.9	442.0	420.5	404.6	394.1	387.2	381.3	377.8	376.5	375.4
37.5°	462.0	435.0	410.4	392.7	378.5	370.3	362.1	359.3	356.9	354.4	355.5
40°	439.3	413.9	392.1	373.4	361.9	352.8	347.9	344.6	342.4	342.4	342.4
42.5°	419.5	394.8	373.4	356.7	345.2	337.6	332.2	329.2	328.6	328.2	329.9
45°	389.0	366.0	344.6	330.6	320.9	313.3	310.1	307.7	307.7	309.2	309.5
47.5°	358.6	337.2	319.9	304.3	295.4	290.7	287.9	286.7	286.9	288.2	289.8
50°	340.0	318.9	301.8	287.9	279.6	275.1	272.7	272.0	272.7	272.7	275.1
52.5°	319.8	300.8	284.1	272.4	263.0	258.8	257.4	256.5	256.9	258.0	259.0
55°	290.1	273.0	257.1	246.0	239.1	236.3	233.2	233.5	232.8	233.5	233.5
57.5°	260.3	245.0	230.2	221.3	215.3	211.2	207.9	208.7	207.8	207.6	207.1
60°	241.1	224.4	212.7	204.7	197.8	194.3	191.2	191.9	190.8	190.1	188.8
62.5°	220.3	206.4	195.2	187.5	181.9	177.9	174.8	174.1	171.7	169.3	166.2
65°	190.1	178.7	168.6	161.3	156.1	153.0	150.6	148.5	143.3	137.8	135.0
67.5°	160.8	152.5	143.1	137.0	132.8	128.7	124.0	120.5	115.6	112.5	110.8
70°	141.9	133.9	125.9	120.0	115.6	111.7	106.5	104.1	100.6	99.2	97.5
72.5°	123.9	116.5	109.0	103.7	98.9	95.9	91.8	89.3	87.8	87.3	85.5
75°	96.5	90.6	85.0	80.2	76.3	74.3	72.5	70.8	70.1	67.0	65.2
77.5°	70.4	66.4	63.0	59.6	56.8	55.5	52.1	50.1	49.0	47.4	47.1
80°	54.8	52.1	48.6	46.5	42.7	41.3	39.9	39.6	39.2	38.9	38.5
82.5°	41.2	38.4	35.0	33.7	32.7	31.8	31.0	30.7	30.3	30.5	30.5
85°	20.8	19.4	19.4	19.1	18.7	18.4	18.0	18.0	17.7	18.0	17.7
87.5°	9.2	9.3	9.6	9.4	10.0	10.3	10.3	10.5	11.0	10.7	10.9
90°	11.4	13.3	14.8	16.4	18.0	19.6	20.8	21.9	23.2	24.3	25.1
92.5°	29.0	30.9	31.9	33.0	34.2	35.2	35.9	36.6	37.4	38.1	38.6
95°	60.5	62.1	63.5	64.9	66.3	67.7	68.2	68.8	69.5	70.0	70.4
97.5°	99.0	100.5	102.1	103.7	105.4	107.0	107.7	108.4	109.1	109.9	110.2
100°	127.8	129.0	130.8	132.6	134.4	136.2	136.6	137.0	137.3	137.8	137.9
102.5°	158.6	159.6	161.2	162.8	164.4	166.1	166.7	167.2	167.7	168.3	168.6
105°	208.2	208.7	209.5	210.3	211.1	211.9	212.4	213.0	213.7	214.2	214.8
107.5°	260.8	261.0	261.2	261.3	261.4	261.5	262.1	262.6	263.1	263.7	263.9
110°	297.1	297.2	296.9	296.8	296.6	296.4	296.0	295.6	295.2	294.8	294.9



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	332.9	332.7	332.3	332.0	331.6	331.3	331.2	331.1	331.0	331.0	331.0
115°	388.1	387.9	387.4	387.1	386.6	386.3	386.1	385.8	385.7	385.5	385.3
117.5°	441.0	441.0	440.7	440.4	440.1	439.9	439.2	438.5	437.8	437.2	436.7
120°	478.5	478.6	478.0	477.3	476.8	476.2	475.2	474.2	473.2	472.3	471.9
122.5°	512.8	512.9	512.6	512.3	512.0	511.8	511.1	510.4	509.8	509.1	508.4
125°	565.2	565.1	564.9	564.7	564.5	564.3	563.9	563.5	563.1	562.7	562.3
127.5°	616.2	616.3	616.0	615.6	615.4	615.0	614.7	614.2	613.9	613.4	613.1
130°	650.3	650.6	650.6	650.6	650.6	650.6	650.2	649.9	649.4	649.1	648.5
132.5°	684.6	684.7	684.6	684.4	684.2	684.1	683.7	683.3	682.9	682.5	682.2
135°	733.7	734.3	734.3	734.3	734.3	734.3	733.9	733.5	733.1	732.7	732.2
137.5°	781.4	781.8	782.1	782.5	782.7	783.1	782.6	782.0	781.5	781.0	780.8
140°	814.2	814.4	814.4	814.4	814.4	814.4	814.2	814.0	813.8	813.6	813.4
142.5°	844.8	844.9	844.8	844.6	844.5	844.3	844.3	844.2	844.2	844.2	844.1
145°	888.8	889.2	889.5	889.7	889.8	890.0	889.8	889.7	889.5	889.2	888.9
147.5°	931.4	931.8	931.7	931.5	931.3	931.2	931.0	930.9	930.7	930.5	930.3
150°	956.4	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.8	956.7
152.5°	979.4	979.6	979.8	980.0	980.2	980.3	980.8	981.2	981.7	982.2	982.2
155°	1014.7	1014.6	1014.3	1014.1	1014.0	1013.8	1014.6	1015.4	1016.1	1016.9	1016.9
157.5°	1044.6	1044.4	1044.3	1044.3	1044.3	1044.2	1044.8	1045.4	1046.0	1046.6	1046.5
160°	1063.7	1063.5	1063.3	1063.1	1062.9	1062.7	1063.3	1063.9	1064.5	1065.1	1064.9
162.5°	1079.5	1079.1	1079.0	1078.8	1078.6	1078.3	1079.4	1080.5	1081.6	1082.6	1082.7
165°	1102.2	1101.7	1101.3	1100.9	1100.5	1100.1	1101.3	1102.5	1103.7	1104.8	1105.0
167.5°	1118.8	1118.5	1118.5	1118.6	1118.6	1118.7	1119.8	1121.0	1122.2	1123.4	1123.4
170°	1128.2	1127.7	1128.0	1128.2	1128.4	1128.5	1129.8	1131.0	1132.1	1133.4	1133.2
172.5°	1136.0	1135.5	1135.6	1135.6	1135.7	1135.7	1137.0	1138.4	1139.7	1141.1	1141.0
175°	1145.1	1144.5	1144.3	1144.1	1143.9	1143.7	1145.1	1146.5	1147.9	1149.2	1149.2
177.5°	1149.1	1148.7	1148.7	1148.7	1148.7	1148.7	1149.8	1150.9	1152.0	1153.2	1153.1
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



TEST NUMBER: P332914-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	822.0	822.5	820.6	820.0	820.6	822.5	822.0	823.7	823.9	826.2	825.3
5°	762.6	761.9	760.2	760.5	760.2	761.9	762.6	765.4	766.8	772.3	771.6
7.5°	711.8	709.1	709.9	707.0	709.9	709.1	711.8	714.3	718.5	721.0	726.9
10°	680.7	676.9	673.8	671.0	673.8	676.9	680.7	682.1	688.0	690.8	696.7
12.5°	638.3	635.0	630.7	631.6	630.7	635.0	638.3	644.4	651.9	657.7	667.0
15°	578.0	572.8	564.5	565.5	564.5	572.8	578.0	582.6	590.1	603.3	609.6
17.5°	527.0	527.1	523.3	524.1	523.3	527.1	527.0	533.2	537.1	545.5	555.1
20°	500.6	498.2	498.6	497.5	498.6	498.2	500.6	507.9	512.1	518.0	528.4
22.5°	482.3	479.4	476.9	474.7	476.9	479.4	482.3	484.4	489.9	495.5	504.0
25°	451.4	449.3	446.2	445.5	446.2	449.3	451.4	454.5	457.3	464.6	469.8
27.5°	424.2	423.7	422.5	420.9	422.5	423.7	424.2	427.0	430.5	435.2	441.8
30°	408.3	407.7	407.0	405.9	407.0	407.7	408.3	411.2	413.9	417.8	422.9
32.5°	394.2	393.8	393.1	393.2	393.1	393.8	394.2	395.6	397.3	402.2	406.3
35°	374.0	373.6	373.0	372.6	373.0	373.6	374.0	375.4	376.5	377.8	381.3
37.5°	355.2	356.1	355.6	355.5	355.6	356.1	355.2	355.5	354.4	356.9	359.3
40°	342.1	342.4	343.1	342.8	343.1	342.4	342.1	342.4	342.4	342.4	344.6
42.5°	331.3	331.4	332.3	331.1	332.3	331.4	331.3	329.9	328.2	328.6	329.2
45°	311.9	314.0	313.6	313.6	313.6	314.0	311.9	309.5	309.2	307.7	307.7
47.5°	290.7	292.6	293.0	292.9	293.0	292.6	290.7	289.8	288.2	286.9	286.7
50°	276.9	276.2	277.2	276.9	277.2	276.2	276.9	275.1	272.7	272.7	272.0
52.5°	259.9	260.1	260.0	259.7	260.0	260.1	259.9	259.0	258.0	256.9	256.5
55°	233.8	234.2	233.5	233.8	233.5	234.2	233.8	233.5	233.5	232.8	233.5
57.5°	205.5	203.8	204.6	203.8	204.6	203.8	205.5	207.1	207.6	207.8	208.7
60°	185.3	182.5	181.8	180.4	181.8	182.5	185.3	188.8	190.1	190.8	191.9
62.5°	162.5	160.6	158.2	159.3	158.2	160.6	162.5	166.2	169.3	171.7	174.1
65°	132.2	130.8	129.7	131.2	129.7	130.8	132.2	135.0	137.8	143.3	148.5
67.5°	109.4	108.7	108.7	108.0	108.7	108.7	109.4	110.8	112.5	115.6	120.5
70°	97.5	96.5	96.5	95.8	96.5	96.5	97.5	97.5	99.2	100.6	104.1
72.5°	85.2	84.3	84.5	84.1	84.5	84.3	85.2	85.5	87.3	87.8	89.3
75°	63.1	61.4	61.4	61.8	61.4	61.4	63.1	65.2	67.0	70.1	70.8
77.5°	47.1	46.7	47.3	46.6	47.3	46.7	47.1	47.1	47.4	49.0	50.1
80°	38.5	38.2	37.8	38.9	37.8	38.2	38.5	38.5	38.9	39.2	39.6
82.5°	29.9	29.9	29.8	31.1	29.8	29.9	29.9	30.5	30.5	30.3	30.7
85°	18.0	17.4	18.0	17.4	18.0	17.4	18.0	17.7	18.0	17.7	18.0
87.5°	11.5	11.3	11.1	11.4	11.1	11.3	11.5	10.9	10.7	11.0	10.5
90°	25.5	25.9	26.3	26.7	26.3	25.9	25.5	25.1	24.3	23.2	21.9
92.5°	38.8	39.1	39.3	39.5	39.3	39.1	38.8	38.6	38.1	37.4	36.6
95°	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.0	69.5	68.8
97.5°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	109.9	109.1	108.4
100°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.8	137.3	137.0
102.5°	168.8	169.0	169.2	169.2	169.2	169.0	168.8	168.6	168.3	167.7	167.2
105°	215.3	216.0	216.6	217.1	216.6	216.0	215.3	214.8	214.2	213.7	213.0
107.5°	263.9	263.9	263.9	263.8	263.9	263.9	263.9	263.9	263.7	263.1	262.6
110°	295.5	296.0	296.7	297.3	296.7	296.0	295.5	294.9	294.8	295.2	295.6



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	331.1	331.2	331.4	331.4	331.4	331.2	331.1	331.0	331.0	331.0	331.1
115°	385.1	384.9	384.7	384.5	384.7	384.9	385.1	385.3	385.5	385.7	385.8
117.5°	436.2	435.9	435.4	435.1	435.4	435.9	436.2	436.7	437.2	437.8	438.5
120°	472.3	472.7	473.1	473.5	473.1	472.7	472.3	471.9	472.3	473.2	474.2
122.5°	507.7	506.9	506.2	505.5	506.2	506.9	507.7	508.4	509.1	509.8	510.4
125°	562.0	561.5	561.2	560.7	561.2	561.5	562.0	562.3	562.7	563.1	563.5
127.5°	612.8	612.4	612.2	611.8	612.2	612.4	612.8	613.1	613.4	613.9	614.2
130°	647.6	646.8	646.0	645.2	646.0	646.8	647.6	648.5	649.1	649.4	649.9
132.5°	681.8	681.5	681.2	680.9	681.2	681.5	681.8	682.2	682.5	682.9	683.3
135°	731.6	731.0	730.4	729.9	730.4	731.0	731.6	732.2	732.7	733.1	733.5
137.5°	781.0	781.0	781.1	781.3	781.1	781.0	781.0	780.8	781.0	781.5	782.0
140°	813.2	813.0	812.8	812.6	812.8	813.0	813.2	813.4	813.6	813.8	814.0
142.5°	844.1	844.0	844.0	843.9	844.0	844.0	844.1	844.1	844.2	844.2	844.2
145°	888.2	887.7	887.1	886.4	887.1	887.7	888.2	888.9	889.2	889.5	889.7
147.5°	930.1	930.0	929.8	929.6	929.8	930.0	930.1	930.3	930.5	930.7	930.9
150°	956.5	956.3	956.1	955.9	956.1	956.3	956.5	956.7	956.8	956.8	956.8
152.5°	981.7	981.1	980.6	980.1	980.6	981.1	981.7	982.2	982.2	981.7	981.2
155°	1016.1	1015.4	1014.6	1013.8	1014.6	1015.4	1016.1	1016.9	1016.9	1016.1	1015.4
157.5°	1045.9	1045.2	1044.6	1043.8	1044.6	1045.2	1045.9	1046.5	1046.6	1046.0	1045.4
160°	1063.9	1062.9	1061.9	1061.0	1061.9	1062.9	1063.9	1064.9	1065.1	1064.5	1063.9
162.5°	1081.7	1080.8	1079.8	1078.7	1079.8	1080.8	1081.7	1082.7	1082.6	1081.6	1080.5
165°	1104.3	1103.5	1102.7	1101.9	1102.7	1103.5	1104.3	1105.0	1104.8	1103.7	1102.5
167.5°	1122.1	1120.9	1119.6	1118.5	1119.6	1120.9	1122.1	1123.4	1123.4	1122.2	1121.0
170°	1131.8	1130.4	1129.1	1127.7	1129.1	1130.4	1131.8	1133.2	1133.4	1132.1	1131.0
172.5°	1139.7	1138.3	1136.9	1135.5	1136.9	1138.3	1139.7	1141.0	1141.1	1139.7	1138.4
175°	1147.9	1146.5	1145.1	1143.7	1145.1	1146.5	1147.9	1149.2	1149.2	1147.9	1146.5
177.5°	1151.8	1150.5	1149.2	1148.0	1149.2	1150.5	1151.8	1153.1	1153.2	1152.0	1150.9
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	823.7	825.6	830.0	835.0	839.2	842.8	845.6	849.4	853.1	858.1	862.8
5°	773.6	778.6	785.5	793.8	804.2	811.2	819.8	827.5	838.6	849.7	860.4
7.5°	729.9	735.2	745.4	756.9	769.3	780.6	790.9	804.3	819.0	835.3	853.3
10°	701.5	707.4	719.6	732.7	747.3	758.4	772.3	788.3	804.9	824.7	846.9
12.5°	676.0	681.6	696.2	709.7	724.9	737.1	753.1	769.4	791.6	813.1	838.3
15°	626.2	641.1	657.8	673.8	691.8	706.8	726.1	742.8	764.0	794.2	823.0
17.5°	571.0	586.9	607.6	632.2	656.4	674.8	694.6	715.2	740.5	771.2	804.5
20°	538.8	551.6	574.5	602.0	630.1	655.8	673.8	696.7	722.7	756.0	790.3
22.5°	514.7	525.6	543.5	570.9	601.2	631.1	654.1	676.7	705.5	738.8	776.2
25°	478.4	490.3	505.9	524.6	559.3	590.8	621.1	647.0	677.6	710.9	752.5
27.5°	448.4	458.6	472.9	492.4	515.7	550.5	587.1	616.8	648.1	683.9	725.5
30°	430.5	438.9	450.7	470.5	492.7	523.9	561.0	595.8	627.3	664.4	707.8
32.5°	412.0	420.9	432.4	448.0	471.8	498.1	535.2	573.2	606.7	644.7	687.2
35°	387.2	394.1	404.6	420.5	442.0	464.9	497.8	537.1	572.5	613.1	653.6
37.5°	362.1	370.3	378.5	392.7	410.4	435.0	462.0	502.0	541.3	578.3	618.0
40°	347.9	352.8	361.9	373.4	392.1	413.9	439.3	478.4	517.6	554.5	594.3
42.5°	332.2	337.6	345.2	356.7	373.4	394.8	419.5	453.4	494.4	530.0	566.3
45°	310.1	313.3	320.9	330.6	344.6	366.0	389.0	419.1	457.6	491.6	523.5
47.5°	287.9	290.7	295.4	304.3	319.9	337.2	358.6	385.7	419.5	453.4	480.5
50°	272.7	275.1	279.6	287.9	301.8	318.9	340.0	364.3	394.5	427.1	449.6
52.5°	257.4	258.8	263.0	272.4	284.1	300.8	319.8	342.1	370.3	397.4	420.3
55°	233.2	236.3	239.1	246.0	257.1	273.0	290.1	311.2	333.1	356.0	375.4
57.5°	207.9	211.2	215.3	221.3	230.2	245.0	260.3	277.4	296.0	315.1	331.4
60°	191.2	194.3	197.8	204.7	212.7	224.4	241.1	256.0	270.3	287.6	303.9
62.5°	174.8	177.9	181.9	187.5	195.2	206.4	220.3	233.3	248.1	263.2	275.4
65°	150.6	153.0	156.1	161.3	168.6	178.7	190.1	200.2	213.4	224.4	235.6
67.5°	124.0	128.7	132.8	137.0	143.1	152.5	160.8	170.4	179.4	187.6	197.8
70°	106.5	111.7	115.6	120.0	125.9	133.9	141.9	148.5	155.8	163.7	172.8
72.5°	91.8	95.9	98.9	103.7	109.0	116.5	123.9	129.3	135.3	140.7	149.5
75°	72.5	74.3	76.3	80.2	85.0	90.6	96.5	101.3	104.8	109.6	115.9
77.5°	52.1	55.5	56.8	59.6	63.0	66.4	70.4	74.5	77.8	79.5	84.3
80°	39.9	41.3	42.7	46.5	48.6	52.1	54.8	58.7	60.0	61.8	66.3
82.5°	31.0	31.8	32.7	33.7	35.0	38.4	41.2	43.6	45.0	45.7	49.0
85°	18.0	18.4	18.7	19.1	19.4	19.4	20.8	22.6	25.0	25.0	26.0
87.5°	10.3	10.3	10.0	9.4	9.6	9.3	9.2	8.7	9.2	9.5	10.0
90°	20.8	19.6	18.0	16.4	14.8	13.3	11.4	9.2	7.0	4.8	2.7
92.5°	35.9	35.2	34.2	33.0	31.9	30.9	29.0	26.5	24.0	21.6	19.1
95°	68.2	67.7	66.3	64.9	63.5	62.1	60.5	58.8	57.0	55.2	53.4
97.5°	107.7	107.0	105.4	103.7	102.1	100.5	99.0	97.6	96.1	94.7	93.3
100°	136.6	136.2	134.4	132.6	130.8	129.0	127.8	127.0	126.2	125.4	124.6
102.5°	166.7	166.1	164.4	162.8	161.2	159.6	158.6	158.3	158.0	157.7	157.4
105°	212.4	211.9	211.1	210.3	209.5	208.7	208.2	207.9	207.8	207.6	207.4
107.5°	262.1	261.5	261.4	261.3	261.2	261.0	260.8	260.6	260.4	260.1	259.9
110°	296.0	296.4	296.6	296.8	296.9	297.2	297.1	296.7	296.3	295.9	295.5



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	331.2	331.3	331.6	332.0	332.3	332.7	332.9	332.8	332.7	332.6	332.5
115°	386.1	386.3	386.6	387.1	387.4	387.9	388.1	388.1	388.1	388.1	388.1
117.5°	439.2	439.9	440.1	440.4	440.7	441.0	441.0	440.9	440.7	440.6	440.4
120°	475.2	476.2	476.8	477.3	478.0	478.6	478.5	477.7	476.9	476.1	475.3
122.5°	511.1	511.8	512.0	512.3	512.6	512.9	512.8	512.6	512.2	511.9	511.6
125°	563.9	564.3	564.5	564.7	564.9	565.1	565.2	565.2	565.2	565.2	565.2
127.5°	614.7	615.0	615.4	615.6	616.0	616.3	616.2	615.5	614.9	614.4	613.8
130°	650.2	650.6	650.6	650.6	650.6	650.6	650.3	649.7	649.2	648.5	647.9
132.5°	683.7	684.1	684.2	684.4	684.6	684.7	684.6	684.1	683.7	683.3	682.9
135°	733.9	734.3	734.3	734.3	734.3	734.3	733.7	732.5	731.3	730.1	729.0
137.5°	782.6	783.1	782.7	782.5	782.1	781.8	781.4	780.8	780.2	779.7	779.2
140°	814.2	814.4	814.4	814.4	814.4	814.4	814.2	813.8	813.4	813.0	812.6
142.5°	844.3	844.3	844.5	844.6	844.8	844.9	844.8	844.5	844.0	843.6	843.2
145°	889.8	890.0	889.8	889.7	889.5	889.2	888.8	888.0	887.2	886.4	885.6
147.5°	931.0	931.2	931.3	931.5	931.7	931.8	931.4	930.5	929.5	928.5	927.6
150°	956.8	956.8	956.8	956.8	956.8	956.8	956.4	955.6	954.8	954.0	953.2
152.5°	980.8	980.3	980.2	980.0	979.8	979.6	979.4	978.9	978.4	977.9	977.5
155°	1014.6	1013.8	1014.0	1014.1	1014.3	1014.6	1014.7	1014.7	1014.7	1014.7	1014.7
157.5°	1044.8	1044.2	1044.3	1044.3	1044.3	1044.4	1044.6	1044.9	1045.3	1045.6	1046.0
160°	1063.3	1062.7	1062.9	1063.1	1063.3	1063.5	1063.7	1063.9	1064.1	1064.3	1064.5
162.5°	1079.4	1078.3	1078.6	1078.8	1079.0	1079.1	1079.5	1080.0	1080.6	1081.1	1081.6
165°	1101.3	1100.1	1100.5	1100.9	1101.3	1101.7	1102.2	1102.8	1103.4	1103.9	1104.6
167.5°	1119.8	1118.7	1118.6	1118.6	1118.5	1118.5	1118.8	1119.7	1120.5	1121.3	1122.2
170°	1129.8	1128.5	1128.4	1128.2	1128.0	1127.7	1128.2	1129.2	1130.2	1131.1	1132.1
172.5°	1137.0	1135.7	1135.7	1135.6	1135.6	1135.5	1136.0	1136.8	1137.6	1138.4	1139.2
175°	1145.1	1143.7	1143.9	1144.1	1144.3	1144.5	1145.1	1146.1	1147.1	1148.1	1149.1
177.5°	1149.8	1148.7	1148.7	1148.7	1148.7	1148.7	1149.1	1149.9	1150.7	1151.5	1152.3
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



TEST NUMBER: P332914-940

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	866.4	868.9	871.6	876.9	881.4	883.3	887.3	890.0	889.1	893.0	899.7
5°	869.8	879.1	889.9	901.0	913.5	923.9	932.3	940.6	947.2	955.1	967.0
7.5°	869.2	885.9	904.0	923.9	944.4	962.1	978.5	995.1	1009.9	1026.1	1047.2
10°	867.0	889.2	911.8	937.8	963.9	988.5	1010.7	1031.4	1051.2	1072.4	1099.1
12.5°	864.5	890.0	917.3	948.6	981.1	1010.7	1036.8	1066.8	1091.5	1118.7	1149.7
15°	853.5	887.9	925.0	965.5	1004.4	1044.3	1080.0	1116.9	1151.2	1183.7	1222.6
17.5°	840.9	880.5	924.3	972.2	1019.0	1067.4	1109.8	1156.2	1191.2	1235.0	1271.1
20°	830.6	873.3	920.1	973.8	1027.0	1080.8	1127.6	1174.7	1214.3	1258.4	1304.2
22.5°	818.1	865.0	915.7	971.3	1027.0	1085.7	1137.6	1184.5	1233.5	1283.1	1330.3
25°	798.0	846.6	900.4	961.4	1025.2	1085.2	1140.8	1199.1	1251.8	1305.6	1347.9
27.5°	773.3	824.3	881.0	944.0	1009.5	1070.9	1136.3	1198.5	1251.5	1303.2	1340.2
30°	753.6	807.4	861.8	925.7	993.6	1059.6	1129.6	1191.8	1247.6	1294.1	1314.9
32.5°	733.3	784.3	840.4	905.1	974.8	1045.7	1115.3	1178.8	1230.4	1258.3	1258.8
35°	698.0	745.9	804.2	867.7	939.1	1016.2	1086.6	1149.1	1180.6	1183.1	1149.1
37.5°	659.6	703.6	758.6	822.2	900.4	977.0	1048.9	1090.6	1101.2	1065.9	1003.0
40°	632.1	672.7	725.9	791.0	868.8	947.9	1013.4	1043.9	1032.9	975.6	905.5
42.5°	603.2	641.1	692.2	756.6	834.6	914.5	970.4	986.8	957.3	891.3	809.2
45°	556.2	590.8	641.5	706.4	781.3	856.3	898.6	890.3	841.3	762.9	671.0
47.5°	507.1	540.6	586.2	646.2	723.0	787.6	816.3	791.2	721.6	635.3	560.5
50°	474.7	509.0	551.0	608.2	678.3	740.7	759.1	720.9	643.5	560.7	492.0
52.5°	442.7	472.1	513.2	568.5	635.5	688.3	698.0	654.1	574.2	499.9	439.0
55°	394.1	420.9	455.6	507.6	565.5	610.3	605.1	548.5	476.0	412.5	364.6
57.5°	347.1	367.3	399.3	448.1	499.0	529.1	510.0	461.8	394.2	342.2	301.8
60°	316.1	334.8	364.6	407.3	452.1	469.0	453.1	400.7	347.3	299.8	265.7
62.5°	286.7	303.2	328.9	368.5	404.6	414.6	397.6	351.9	303.7	263.1	235.0
65°	243.9	259.1	281.1	309.2	334.1	338.9	327.9	281.1	244.6	210.6	191.2
67.5°	205.1	215.1	232.2	256.5	269.7	272.6	251.1	221.7	189.6	168.7	154.1
70°	179.1	185.9	201.9	215.1	225.9	226.2	206.4	182.8	158.2	141.2	130.5
72.5°	153.7	160.4	172.5	181.6	189.8	187.1	169.0	150.3	130.5	117.6	109.6
75°	118.7	124.6	130.8	135.0	135.0	131.5	118.3	104.4	93.0	85.3	82.9
77.5°	86.2	91.1	93.2	92.6	91.3	85.9	77.6	68.5	64.4	60.8	58.9
80°	67.7	69.7	70.4	68.7	66.6	60.4	54.8	51.0	47.2	45.8	45.1
82.5°	50.2	52.0	50.2	50.6	46.1	40.9	37.9	36.6	35.0	34.4	33.7
85°	26.8	26.4	25.7	23.9	20.8	20.2	19.8	19.4	18.7	19.1	18.4
87.5°	10.2	9.7	9.1	9.2	9.6	9.4	10.0	10.3	10.6	10.5	11.3
90°	4.8	7.0	9.2	11.4	13.3	14.8	16.4	18.0	19.6	20.8	21.9
92.5°	21.6	24.0	26.5	29.0	30.9	31.9	33.0	34.2	35.2	35.9	36.6
95°	55.2	57.0	58.8	60.5	62.1	63.5	64.9	66.3	67.7	68.2	68.8
97.5°	94.7	96.1	97.6	99.0	100.5	102.1	103.7	105.4	107.0	107.7	108.4
100°	125.4	126.2	127.0	127.8	129.0	130.8	132.6	134.4	136.2	136.6	137.0
102.5°	157.7	158.0	158.3	158.6	159.6	161.2	162.8	164.4	166.1	166.7	167.2
105°	207.6	207.8	207.9	208.2	208.7	209.5	210.3	211.1	211.9	212.4	213.0
107.5°	260.1	260.4	260.6	260.8	261.0	261.2	261.3	261.4	261.5	262.1	262.6
110°	295.9	296.3	296.7	297.1	297.2	296.9	296.8	296.6	296.4	296.0	295.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	332.6	332.7	332.8	332.9	332.7	332.3	332.0	331.6	331.3	331.2	331.1
115°	388.1	388.1	388.1	388.1	387.9	387.4	387.1	386.6	386.3	386.1	385.8
117.5°	440.6	440.7	440.9	441.0	441.0	440.7	440.4	440.1	439.9	439.2	438.5
120°	476.1	476.9	477.7	478.5	478.6	478.0	477.3	476.8	476.2	475.2	474.2
122.5°	511.9	512.2	512.6	512.8	512.9	512.6	512.3	512.0	511.8	511.1	510.4
125°	565.2	565.2	565.2	565.2	565.1	564.9	564.7	564.5	564.3	563.9	563.5
127.5°	614.4	614.9	615.5	616.2	616.3	616.0	615.6	615.4	615.0	614.7	614.2
130°	648.5	649.2	649.7	650.3	650.6	650.6	650.6	650.6	650.6	650.2	649.9
132.5°	683.3	683.7	684.1	684.6	684.7	684.6	684.4	684.2	684.1	683.7	683.3
135°	730.1	731.3	732.5	733.7	734.3	734.3	734.3	734.3	734.3	733.9	733.5
137.5°	779.7	780.2	780.8	781.4	781.8	782.1	782.5	782.7	783.1	782.6	782.0
140°	813.0	813.4	813.8	814.2	814.4	814.4	814.4	814.4	814.4	814.2	814.0
142.5°	843.6	844.0	844.5	844.8	844.9	844.8	844.6	844.5	844.3	844.3	844.2
145°	886.4	887.2	888.0	888.8	889.2	889.5	889.7	889.8	890.0	889.8	889.7
147.5°	928.5	929.5	930.5	931.4	931.8	931.7	931.5	931.3	931.2	931.0	930.9
150°	954.0	954.8	955.6	956.4	956.8	956.8	956.8	956.8	956.8	956.8	956.8
152.5°	977.9	978.4	978.9	979.4	979.6	979.8	980.0	980.2	980.3	980.8	981.2
155°	1014.7	1014.7	1014.7	1014.7	1014.6	1014.3	1014.1	1014.0	1013.8	1014.6	1015.4
157.5°	1045.6	1045.3	1044.9	1044.6	1044.4	1044.3	1044.3	1044.3	1044.2	1044.8	1045.4
160°	1064.3	1064.1	1063.9	1063.7	1063.5	1063.3	1063.1	1062.9	1062.7	1063.3	1063.9
162.5°	1081.1	1080.6	1080.0	1079.5	1079.1	1079.0	1078.8	1078.6	1078.3	1079.4	1080.5
165°	1103.9	1103.4	1102.8	1102.2	1101.7	1101.3	1100.9	1100.5	1100.1	1101.3	1102.5
167.5°	1121.3	1120.5	1119.7	1118.8	1118.5	1118.5	1118.6	1118.6	1118.7	1119.8	1121.0
170°	1131.1	1130.2	1129.2	1128.2	1127.7	1128.0	1128.2	1128.4	1128.5	1129.8	1131.0
172.5°	1138.4	1137.6	1136.8	1136.0	1135.5	1135.6	1135.6	1135.7	1135.7	1137.0	1138.4
175°	1148.1	1147.1	1146.1	1145.1	1144.5	1144.3	1144.1	1143.9	1143.7	1145.1	1146.5
177.5°	1151.5	1150.7	1149.9	1149.1	1148.7	1148.7	1148.7	1148.7	1148.7	1149.8	1150.9
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	861.1	861.1	861.1	861.1	861.1	861.1	861.1
2.5°	903.3	904.5	905.3	908.0	908.3	910.8	908.3
5°	978.0	982.9	990.5	998.2	998.9	1003.7	995.1
7.5°	1061.8	1073.1	1080.1	1092.4	1097.3	1100.4	1095.4
10°	1119.6	1130.0	1148.4	1157.4	1166.4	1167.8	1163.7
12.5°	1175.4	1191.9	1206.4	1223.5	1223.1	1235.3	1230.8
15°	1249.7	1266.7	1286.8	1305.9	1312.9	1312.9	1318.4
17.5°	1302.7	1333.9	1354.7	1369.7	1386.1	1388.9	1387.0
20°	1338.5	1372.2	1394.4	1413.8	1425.0	1428.1	1428.1
22.5°	1365.2	1393.8	1415.5	1433.0	1442.2	1445.8	1444.7
25°	1383.7	1408.3	1421.5	1426.6	1429.1	1428.3	1421.8
27.5°	1358.3	1357.3	1348.9	1332.9	1321.0	1313.7	1305.4
30°	1310.1	1292.0	1271.2	1248.3	1218.8	1196.2	1189.4
32.5°	1238.2	1197.7	1162.4	1124.3	1092.5	1070.0	1060.5
35°	1099.1	1034.9	982.6	936.7	903.5	882.6	875.7
37.5°	934.2	872.0	807.2	762.8	735.1	714.1	706.2
40°	829.2	761.5	705.0	663.3	634.9	614.5	614.1
42.5°	733.4	668.9	615.6	585.7	555.0	541.4	541.4
45°	600.6	548.8	503.7	480.2	461.8	450.7	447.5
47.5°	497.2	454.5	424.5	405.6	390.7	383.6	379.0
50°	439.3	401.8	377.8	361.5	353.2	344.2	343.5
52.5°	390.9	360.7	342.1	328.8	318.3	312.8	313.0
55°	328.6	304.6	291.4	281.3	273.0	268.9	267.2
57.5°	276.8	258.9	249.2	240.0	236.5	233.2	232.3
60°	244.6	232.5	223.5	216.2	211.0	209.9	209.6
62.5°	217.9	205.3	199.0	193.4	189.6	188.0	187.3
65°	179.7	170.3	164.8	160.3	158.9	156.5	156.1
67.5°	144.9	139.3	135.6	132.5	130.5	130.5	130.5
70°	123.5	120.4	117.3	115.6	114.5	113.8	113.8
72.5°	105.2	102.9	100.3	99.4	99.2	98.5	98.3
75°	80.2	77.8	78.0	76.3	74.9	73.2	72.1
77.5°	56.8	55.1	54.8	54.6	53.3	53.1	53.7
80°	44.1	42.4	42.0	42.4	42.0	40.9	40.9
82.5°	33.5	32.1	31.7	31.5	31.1	31.5	30.9
85°	18.0	17.4	17.4	17.4	18.0	17.7	17.4
87.5°	11.0	11.0	11.4	11.2	11.3	11.1	11.4
90°	23.2	24.3	25.1	25.5	25.9	26.3	26.7
92.5°	37.4	38.1	38.6	38.8	39.1	39.3	39.5
95°	69.5	70.0	70.4	70.4	70.4	70.4	70.4
97.5°	109.1	109.9	110.2	110.2	110.2	110.2	110.2
100°	137.3	137.8	137.9	137.9	137.9	137.9	137.9
102.5°	167.7	168.3	168.6	168.8	169.0	169.2	169.2
105°	213.7	214.2	214.8	215.3	216.0	216.6	217.1
107.5°	263.1	263.7	263.9	263.9	263.9	263.9	263.8
110°	295.2	294.8	294.9	295.5	296.0	296.7	297.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	331.0	331.0	331.0	331.1	331.2	331.4	331.4
115°	385.7	385.5	385.3	385.1	384.9	384.7	384.5
117.5°	437.8	437.2	436.7	436.2	435.9	435.4	435.1
120°	473.2	472.3	471.9	472.3	472.7	473.1	473.5
122.5°	509.8	509.1	508.4	507.7	506.9	506.2	505.5
125°	563.1	562.7	562.3	562.0	561.5	561.2	560.7
127.5°	613.9	613.4	613.1	612.8	612.4	612.2	611.8
130°	649.4	649.1	648.5	647.6	646.8	646.0	645.2
132.5°	682.9	682.5	682.2	681.8	681.5	681.2	680.9
135°	733.1	732.7	732.2	731.6	731.0	730.4	729.9
137.5°	781.5	781.0	780.8	781.0	781.0	781.1	781.3
140°	813.8	813.6	813.4	813.2	813.0	812.8	812.6
142.5°	844.2	844.2	844.1	844.1	844.0	844.0	843.9
145°	889.5	889.2	888.9	888.2	887.7	887.1	886.4
147.5°	930.7	930.5	930.3	930.1	930.0	929.8	929.6
150°	956.8	956.8	956.7	956.5	956.3	956.1	955.9
152.5°	981.7	982.2	982.2	981.7	981.1	980.6	980.1
155°	1016.1	1016.9	1016.9	1016.1	1015.4	1014.6	1013.8
157.5°	1046.0	1046.6	1046.5	1045.9	1045.2	1044.6	1043.8
160°	1064.5	1065.1	1064.9	1063.9	1062.9	1061.9	1061.0
162.5°	1081.6	1082.6	1082.7	1081.7	1080.8	1079.8	1078.7
165°	1103.7	1104.8	1105.0	1104.3	1103.5	1102.7	1101.9
167.5°	1122.2	1123.4	1123.4	1122.1	1120.9	1119.6	1118.5
170°	1132.1	1133.4	1133.2	1131.8	1130.4	1129.1	1127.7
172.5°	1139.7	1141.1	1141.0	1139.7	1138.3	1136.9	1135.5
175°	1147.9	1149.2	1149.2	1147.9	1146.5	1145.1	1143.7
177.5°	1152.0	1153.2	1153.1	1151.8	1150.5	1149.2	1148.0
180°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8

(END OF REPORT)