

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: P331797-927

Luminaire Tested: **S122RDIW-S485D1240U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331797-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S485D1240U927-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1240 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5399.3 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

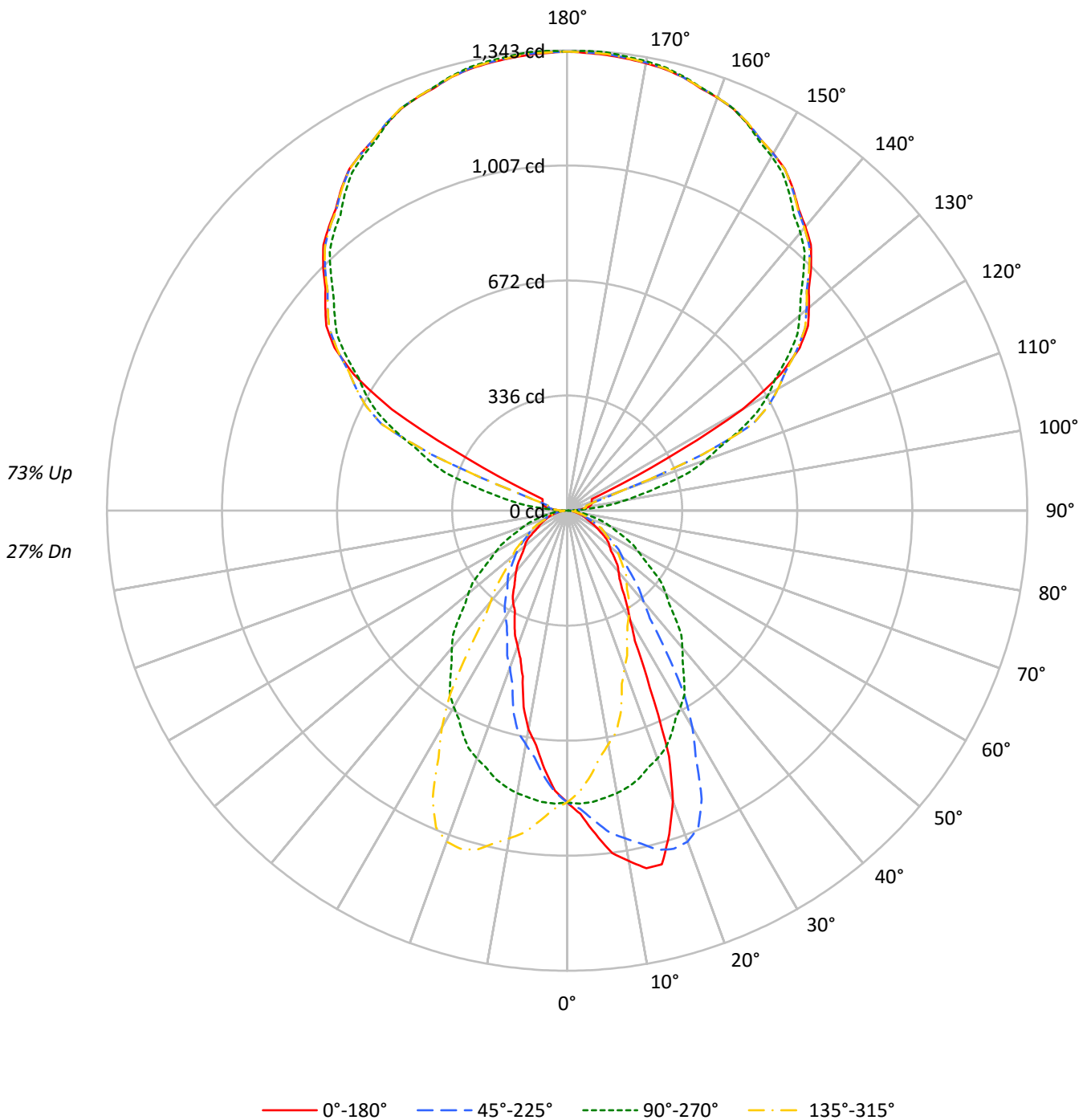
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				
1	93	89	85	82	83	80	77	74	62	60	59	46	45	44	32	31	31	24				
2	85	78	73	68	76	70	65	61	55	52	49	41	39	38	28	27	26	21				
3	78	69	62	57	69	62	56	52	49	45	42	37	34	32	26	24	23	18				
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	23	22	20	16				
5	66	55	47	42	59	49	43	38	39	35	31	30	27	24	21	19	18	14				
6	61	49	42	36	54	45	38	33	36	31	27	27	24	22	19	17	16	13				
7	56	44	37	32	50	40	34	29	32	28	24	25	22	19	18	16	14	12				
8	52	40	33	28	46	37	30	26	29	25	22	23	20	17	16	15	13	10				
9	48	37	30	25	43	33	27	23	27	23	19	21	18	16	15	13	12	10				
10	45	34	27	22	40	31	25	21	25	21	17	19	16	14	14	12	11	9				

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

	0°	90°	180°	270°
0°	13747	13747	13747	13747
5°	15352	13833	12266	13833
10°	17033	13736	10632	13736
15°	17870	13534	8376	13534
20°	15493	13235	7247	13235
25°	10162	12827	6472	12827
30°	6840	12333	5858	12333
35°	5541	11710	5282	11710
40°	4926	11030	4890	11030
45°	4459	10234	4364	10234
50°	4057	9445	4042	9445
55°	3814	8569	3764	8569
60°	3190	7766	3152	7766
65°	2690	7053	3053	7053
70°	2488	6297	2875	6297
75°	2327	5483	2658	5483
80°	2148	4510	2362	4510
85°	1964	3575	2075	3575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	1.5
10°-20°	224.9	4.2
20°-30°	289.8	5.4
30°-40°	275.4	5.1
40°-50°	235.9	4.4
50°-60°	179.7	3.3
60°-70°	113.6	2.1
70°-80°	56.7	1.1
80°-90°	18.1	0.3
90°-100°	44.7	0.8
100°-110°	163.8	3.0
110°-120°	437.9	8.1
120°-130°	722.9	13.4
130°-140°	768.8	14.2
140°-150°	714.5	13.2
150°-160°	574.5	10.6
160°-170°	370.2	6.9
170°-180°	127.4	2.4
0°-30°	595.4	11.0
0°-40°	870.8	16.1
0°-60°	1286.4	23.8
0°-90°	1474.7	27.3
90°-120°	646.4	12.0
90°-150°	2852.5	52.8
90°-180°	3925.0	72.7
0°-180°	5399.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	851	851	851	851	851	
5°	947	854	757	854	947	93
15°	1069	810	501	810	1069	288
25°	570	720	363	720	570	271
35°	281	594	268	594	281	180
45°	195	448	191	448	195	151
55°	136	304	134	304	136	119
65°	70	185	80	185	70	72
75°	37	88	43	88	37	40
85°	11	19	11	19	11	12
90°	26	1	26	1	26	12
95°	42	63	42	63	42	39
105°	74	295	74	295	74	77
115°	80	557	80	557	80	199
125°	828	788	828	788	828	717
135°	1007	975	1007	975	1007	776
145°	1148	1131	1148	1131	1148	718
155°	1246	1245	1246	1245	1246	575
165°	1309	1312	1309	1312	1309	370
175°	1334	1342	1334	1342	1334	127
180°	1339	1339	1339	1339	1339	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	886.0	886.7	887.4	885.7	885.7	884.3	881.2	878.8	872.2	871.2	871.2
5°	947.2	946.7	947.8	944.0	938.7	937.5	931.8	924.5	916.8	908.2	906.4
7.5°	1008.2	1007.3	1005.0	1004.2	1000.2	991.3	982.2	972.6	959.8	947.3	941.0
10°	1038.9	1048.7	1042.8	1032.5	1034.5	1020.6	1013.2	1000.5	989.8	971.2	967.1
12.5°	1069.2	1073.1	1071.2	1065.3	1062.7	1053.0	1043.1	1032.0	1012.3	995.6	981.0
15°	1069.1	1074.8	1076.3	1074.4	1075.9	1075.3	1070.0	1060.8	1043.7	1025.3	1009.4
17.5°	990.2	994.1	1003.8	1010.3	1018.7	1036.2	1044.8	1048.2	1045.6	1035.1	1023.9
20°	901.7	895.2	922.4	936.3	948.2	977.7	1003.1	1012.9	1028.6	1028.3	1025.3
22.5°	776.3	777.8	803.6	820.1	854.7	884.2	913.2	950.0	980.3	1000.4	1012.1
25°	570.4	581.6	607.4	629.8	668.3	723.3	773.3	831.3	886.0	929.2	970.3
27.5°	428.3	429.2	449.6	470.4	493.2	538.3	601.3	670.5	748.5	812.9	886.9
30°	366.9	365.0	373.7	386.3	405.9	440.8	488.1	556.2	634.0	731.0	817.4
32.5°	323.3	323.4	329.9	339.3	355.5	379.0	411.5	466.7	540.3	635.6	736.9
35°	281.1	280.7	285.5	292.3	299.0	314.2	336.4	365.4	416.0	505.0	608.6
37.5°	250.7	252.1	254.4	258.6	266.1	274.5	287.9	307.3	343.3	396.0	483.0
40°	233.7	234.3	237.6	241.1	245.6	252.1	263.0	278.7	305.0	347.0	410.6
42.5°	218.1	218.6	221.0	224.3	227.8	234.3	243.4	256.9	278.3	311.0	363.5
45°	195.3	195.3	197.3	198.8	202.6	208.6	215.9	227.2	242.0	266.3	301.2
47.5°	173.8	173.9	175.2	177.8	180.2	184.8	192.1	201.3	212.1	230.8	260.6
50°	161.5	161.8	162.7	164.8	166.3	170.4	176.0	184.0	195.3	209.8	234.6
52.5°	151.5	151.4	152.5	153.4	154.4	157.4	161.6	168.7	178.7	191.3	211.9
55°	135.5	134.3	136.1	137.5	138.5	139.7	142.0	146.5	155.0	165.6	181.0
57.5°	115.3	114.9	116.1	117.5	120.3	123.5	125.5	128.3	132.8	140.4	155.7
60°	98.8	98.8	101.5	102.3	105.6	109.7	113.9	116.3	120.7	125.7	137.0
62.5°	84.1	84.4	85.6	86.5	88.3	93.4	99.3	104.4	108.6	113.4	120.9
65°	70.4	71.0	71.0	71.6	72.8	74.0	76.3	80.5	87.9	94.7	100.3
67.5°	59.7	60.0	60.1	60.7	61.0	62.3	63.2	65.1	66.8	73.3	80.2
70°	52.7	53.6	53.2	53.9	54.1	54.7	55.9	56.8	59.5	60.9	65.1
72.5°	46.0	46.7	46.7	47.0	47.8	47.8	48.8	49.7	51.4	52.7	54.9
75°	37.3	37.0	37.3	37.9	38.2	38.4	38.4	39.6	40.6	41.7	43.2
77.5°	28.8	29.1	29.0	29.1	29.1	29.6	29.5	30.1	31.0	31.6	32.3
80°	23.1	23.4	23.1	23.4	23.7	23.9	23.7	23.9	24.9	25.4	25.4
82.5°	17.9	17.9	18.1	18.1	18.2	18.3	18.7	18.8	19.4	19.3	19.5
85°	10.6	10.4	10.4	10.4	10.6	10.9	10.6	10.6	10.9	10.9	10.9
87.5°	9.0	9.2	9.1	9.0	8.9	8.8	8.6	8.6	8.1	8.2	7.5
90°	26.1	25.7	25.3	24.9	24.5	23.7	22.6	21.5	20.4	19.4	17.7
92.5°	26.1	25.9	25.7	25.3	25.1	24.7	24.2	23.6	23.1	22.5	21.6
95°	41.7	41.9	42.1	42.3	42.5	42.1	41.0	39.9	38.9	37.8	36.3
97.5°	55.6	55.4	55.1	54.8	54.6	54.0	53.2	52.3	51.4	50.6	47.1
100°	65.0	64.5	64.1	63.6	63.2	62.1	60.4	58.7	57.0	55.2	51.6
102.5°	69.6	69.0	68.4	67.7	67.2	65.8	63.5	61.2	59.0	56.8	87.4
105°	73.7	72.8	71.9	71.1	70.2	68.6	66.2	63.8	61.5	59.1	117.9
107.5°	75.8	74.9	74.1	73.2	72.3	73.1	75.5	78.0	80.3	82.8	153.3
110°	76.5	75.7	74.9	74.0	73.1	83.4	105.0	126.5	148.1	169.6	231.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	77.3	76.6	76.0	75.3	74.5	113.5	192.1	270.6	349.2	427.7	443.1
115°	79.5	95.0	110.5	126.0	141.5	199.1	298.8	398.5	498.2	597.9	592.6
117.5°	324.4	375.4	426.4	477.3	528.2	565.8	589.9	614.0	638.1	662.3	658.5
120°	591.1	620.2	649.3	678.3	707.4	720.6	718.0	715.5	712.9	710.3	706.5
122.5°	737.6	743.3	748.9	754.6	760.2	762.2	760.7	759.1	757.6	756.1	751.9
125°	828.5	827.9	827.3	826.6	825.9	824.9	823.4	821.9	820.4	818.9	814.8
127.5°	885.9	885.7	885.7	885.5	885.4	884.2	882.0	879.8	877.7	875.4	872.4
130°	921.5	921.8	922.0	922.2	922.4	921.3	919.0	916.6	914.3	911.9	909.5
132.5°	956.5	956.6	956.9	957.1	957.3	956.4	954.3	952.4	950.3	948.3	945.9
135°	1006.9	1007.3	1007.7	1008.1	1008.5	1007.7	1005.5	1003.4	1001.2	999.1	997.1
137.5°	1052.7	1053.5	1054.2	1054.9	1055.7	1055.0	1052.9	1050.8	1048.7	1046.6	1044.3
140°	1081.5	1082.5	1083.6	1084.7	1085.8	1085.4	1083.4	1081.5	1079.5	1077.6	1075.2
142.5°	1109.4	1110.4	1111.5	1112.6	1113.6	1113.3	1111.6	1109.8	1108.0	1106.3	1103.5
145°	1148.3	1149.4	1150.5	1151.5	1152.6	1152.4	1150.9	1149.4	1147.9	1146.4	1142.7
147.5°	1182.6	1183.5	1184.4	1185.3	1186.2	1186.1	1185.0	1183.9	1182.8	1181.6	1178.1
150°	1203.6	1204.6	1205.7	1206.8	1207.8	1207.8	1206.5	1205.1	1203.9	1202.6	1199.1
152.5°	1221.4	1222.8	1224.2	1225.7	1227.1	1227.2	1225.8	1224.6	1223.3	1221.9	1218.7
155°	1246.2	1247.9	1249.7	1251.3	1253.1	1253.3	1252.0	1250.7	1249.4	1248.2	1245.5
157.5°	1268.8	1270.6	1272.2	1273.9	1275.6	1275.7	1274.2	1272.8	1271.3	1269.9	1268.0
160°	1282.1	1283.6	1285.1	1286.6	1288.1	1288.2	1286.9	1285.6	1284.3	1283.0	1281.8
162.5°	1292.9	1294.7	1296.6	1298.5	1300.3	1300.5	1299.0	1297.6	1296.1	1294.7	1293.6
165°	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2	1313.7	1312.2	1310.7	1309.2	1308.5
167.5°	1319.5	1321.4	1323.3	1325.2	1327.2	1327.4	1325.9	1324.4	1322.9	1321.4	1320.8
170°	1325.6	1327.6	1329.5	1331.5	1333.4	1333.6	1332.1	1330.6	1329.1	1327.6	1327.1
172.5°	1330.3	1332.2	1334.2	1336.1	1338.1	1338.2	1336.7	1335.2	1333.7	1332.2	1331.8
175°	1334.4	1336.5	1338.7	1340.8	1343.0	1343.3	1341.8	1340.3	1338.8	1337.3	1336.9
177.5°	1336.9	1338.5	1340.0	1341.6	1343.1	1343.3	1342.0	1340.8	1339.7	1338.5	1338.2
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	871.7	869.9	868.2	864.0	861.8	857.1	856.3	856.1	850.0	844.1	842.4
5°	901.7	897.0	889.9	881.5	873.0	864.1	858.2	853.5	841.6	830.4	823.9
7.5°	931.8	921.7	909.4	893.7	880.7	866.0	855.2	845.3	828.5	812.5	801.6
10°	954.3	937.8	921.5	899.9	883.0	866.5	851.1	837.8	818.9	797.6	782.4
12.5°	968.3	950.1	927.6	906.6	884.7	863.6	843.0	825.9	803.7	781.7	763.7
15°	987.2	967.7	940.5	910.3	882.2	854.7	831.0	809.7	780.7	754.4	732.5
17.5°	1002.7	975.7	946.5	911.6	879.1	844.1	813.7	786.4	754.2	722.4	696.6
20°	1007.6	981.0	947.2	912.4	873.9	832.7	799.9	770.3	735.7	701.1	671.5
22.5°	1004.5	983.8	946.3	904.5	865.1	822.1	785.1	750.7	712.3	677.0	642.7
25°	983.7	976.5	941.0	895.5	850.5	800.5	757.6	720.0	676.3	638.4	601.1
27.5°	934.9	950.3	928.3	879.7	829.7	776.1	727.9	685.2	639.7	597.1	559.9
30°	888.1	923.3	913.8	868.9	812.9	760.3	706.2	661.5	613.0	569.2	532.5
32.5°	823.9	882.1	891.4	853.7	795.9	738.0	681.3	636.8	586.2	540.0	504.3
35°	721.8	808.8	848.7	824.7	766.8	704.4	645.8	594.1	543.1	497.6	462.1
37.5°	600.0	718.4	785.1	786.7	733.5	668.6	604.8	553.4	501.3	456.6	418.2
40°	520.9	649.4	736.0	755.3	710.3	640.2	575.7	523.3	472.5	428.6	384.6
42.5°	450.0	577.9	684.4	717.9	682.1	612.5	547.8	493.1	443.5	402.1	357.1
45°	363.8	475.7	593.1	652.9	633.1	568.5	500.3	448.2	401.7	365.9	322.7
47.5°	307.0	385.8	499.4	580.3	579.9	521.0	453.8	403.9	360.8	327.3	292.3
50°	274.5	343.2	439.3	531.0	538.7	489.3	425.4	376.0	335.8	300.6	272.4
52.5°	245.4	302.0	388.4	476.3	498.2	455.4	393.5	347.8	308.8	276.4	252.3
55°	207.4	251.1	316.9	399.1	432.2	402.0	347.0	304.4	272.7	245.6	224.8
57.5°	175.4	208.3	260.9	327.2	365.8	346.7	301.4	266.8	239.7	215.1	198.8
60°	155.3	182.2	226.9	282.3	324.8	311.5	272.7	240.5	217.5	196.1	180.8
62.5°	136.4	159.5	197.8	242.7	281.8	276.2	244.6	217.5	197.3	177.9	164.9
65°	109.7	126.6	156.5	191.7	223.1	225.7	203.0	184.6	166.5	151.1	139.7
67.5°	87.4	98.4	119.5	149.1	172.6	181.0	167.1	153.0	138.7	126.8	116.8
70°	73.7	82.5	97.9	121.9	143.5	152.3	144.3	133.4	121.0	111.2	102.7
72.5°	59.7	68.4	79.7	97.3	115.8	125.4	122.6	114.7	104.6	96.6	88.5
75°	45.0	47.6	55.3	67.2	81.7	89.9	92.0	87.9	79.9	73.7	68.9
77.5°	33.3	34.9	38.5	44.8	54.2	61.6	64.6	64.2	58.6	55.1	50.6
80°	26.6	27.5	29.3	31.9	39.1	46.4	48.5	48.5	44.7	43.2	38.7
82.5°	20.2	20.9	21.9	23.4	26.8	33.2	35.5	36.0	33.5	31.6	28.1
85°	11.6	11.2	11.8	12.8	13.3	15.1	18.6	19.3	18.6	16.2	15.4
87.5°	7.2	7.1	6.7	6.1	5.9	5.6	6.3	7.1	6.6	6.3	6.3
90°	15.9	14.2	12.5	10.5	8.1	5.7	3.3	1.0	3.3	5.7	8.1
92.5°	20.8	19.9	19.0	18.7	18.9	19.2	19.3	19.6	19.3	19.2	18.9
95°	34.8	33.3	31.8	34.5	41.7	48.8	55.8	63.0	55.8	48.8	41.7
97.5°	43.6	40.1	36.6	44.9	65.0	84.9	105.0	125.0	105.0	84.9	65.0
100°	47.9	44.3	40.6	53.6	83.0	112.5	142.0	171.5	142.0	112.5	83.0
102.5°	118.0	148.6	179.3	197.7	204.0	210.2	216.4	222.7	216.4	210.2	204.0
105°	176.7	235.5	294.3	320.4	313.9	307.5	301.0	294.6	301.0	307.5	313.9
107.5°	223.8	294.3	364.8	397.4	392.2	387.0	381.8	376.6	381.8	387.0	392.2
110°	294.1	356.3	418.5	447.3	442.8	438.3	433.8	429.3	433.8	438.3	442.8





TEST NUMBER: P331797-927

CATALOG NUMBER: S122RDIW-S485D1240U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.5	473.9	489.3	495.0	490.9	486.9	482.9	478.9	482.9	486.9	490.9
115°	587.2	581.8	576.4	571.9	568.2	564.5	560.9	557.2	560.9	564.5	568.2
117.5°	654.8	651.1	647.5	643.6	639.4	635.3	631.3	627.2	631.3	635.3	639.4
120°	702.6	698.7	694.8	691.3	688.0	684.8	681.6	678.3	681.6	684.8	688.0
122.5°	747.6	743.4	739.2	735.4	732.0	728.6	725.2	721.8	725.2	728.6	732.0
125°	810.6	806.6	802.5	799.0	796.2	793.4	790.6	787.8	790.6	793.4	796.2
127.5°	869.3	866.3	863.2	860.2	857.1	853.9	850.8	847.7	850.8	853.9	857.1
130°	907.1	904.8	902.4	899.5	896.0	892.6	889.1	885.7	889.1	892.6	896.0
132.5°	943.6	941.2	938.8	936.2	933.3	930.3	927.4	924.5	927.4	930.3	933.3
135°	995.2	993.2	991.3	988.6	985.2	981.8	978.3	974.9	978.3	981.8	985.2
137.5°	1042.2	1040.0	1037.8	1035.5	1033.1	1030.6	1028.3	1025.8	1028.3	1030.6	1033.1
140°	1072.9	1070.5	1068.1	1066.0	1064.3	1062.6	1060.9	1059.1	1060.9	1062.6	1064.3
142.5°	1100.8	1098.1	1095.4	1093.3	1091.7	1090.2	1088.6	1087.1	1088.6	1090.2	1091.7
145°	1139.1	1135.4	1131.7	1130.0	1130.2	1130.4	1130.7	1130.8	1130.7	1130.4	1130.2
147.5°	1174.4	1170.8	1167.2	1165.8	1166.6	1167.4	1168.2	1169.0	1168.2	1167.4	1166.6
150°	1195.7	1192.2	1188.8	1187.8	1189.3	1190.9	1192.4	1193.9	1192.4	1190.9	1189.3
152.5°	1215.4	1212.1	1208.9	1208.1	1209.7	1211.4	1213.1	1214.8	1213.1	1211.4	1209.7
155°	1242.9	1240.4	1237.8	1237.5	1239.4	1241.3	1243.3	1245.2	1243.3	1241.3	1239.4
157.5°	1266.2	1264.4	1262.6	1262.5	1264.2	1265.7	1267.4	1269.1	1267.4	1265.7	1264.2
160°	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1281.8	1280.4	1279.1
162.5°	1292.4	1291.3	1290.1	1290.2	1291.6	1292.8	1294.1	1295.5	1294.1	1292.8	1291.6
165°	1307.9	1307.3	1306.6	1306.9	1308.2	1309.5	1310.8	1312.1	1310.8	1309.5	1308.2
167.5°	1320.2	1319.6	1319.0	1319.3	1320.6	1321.9	1323.2	1324.5	1323.2	1321.9	1320.6
170°	1326.7	1326.3	1325.9	1326.3	1327.6	1328.9	1330.2	1331.5	1330.2	1328.9	1327.6
172.5°	1331.3	1330.9	1330.5	1330.9	1332.2	1333.6	1334.8	1336.1	1334.8	1333.6	1332.2
175°	1336.4	1336.0	1335.5	1336.1	1337.6	1339.1	1340.6	1342.1	1340.6	1339.1	1337.6
177.5°	1338.1	1337.9	1337.8	1338.2	1339.5	1340.7	1341.9	1343.1	1341.9	1340.7	1339.5
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331797-927

CATALOG NUMBER: S122RDIW-S485D1240U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	839.3	837.7	834.6	829.9	827.0	822.0	818.7	820.6	821.1	820.6	820.1
5°	816.8	810.6	802.0	793.7	786.0	777.8	773.0	771.0	766.8	764.5	763.3
7.5°	789.5	778.8	766.7	752.3	740.0	727.1	720.6	717.3	708.8	704.3	700.2
10°	769.1	752.3	740.1	721.2	709.7	692.8	681.3	681.6	670.0	663.5	658.8
12.5°	746.7	728.2	708.0	690.9	674.9	661.4	647.5	641.8	629.5	623.3	610.5
15°	709.4	687.8	666.5	643.4	627.2	606.2	586.1	561.5	541.7	524.5	519.8
17.5°	668.7	642.0	620.6	593.5	565.6	530.3	507.0	492.7	480.8	471.7	465.0
20°	640.8	613.5	590.8	549.9	512.4	488.4	471.3	460.3	447.9	438.2	432.8
22.5°	611.4	583.0	552.0	506.4	477.1	457.9	442.6	430.0	421.6	414.0	409.2
25°	569.7	538.7	487.5	456.1	432.5	412.4	401.7	394.0	385.2	374.8	370.1
27.5°	525.8	476.3	439.6	416.3	393.7	380.6	371.1	359.6	351.6	347.0	342.1
30°	492.8	443.5	414.8	389.3	373.4	358.9	347.6	341.1	333.4	325.4	322.2
32.5°	456.1	416.7	389.2	368.0	351.8	339.5	330.6	320.0	314.5	309.6	302.8
35°	410.6	380.7	355.6	338.4	323.1	313.0	302.6	296.4	286.4	282.3	279.6
37.5°	372.0	346.1	327.3	309.3	297.1	286.0	279.6	269.7	265.4	259.6	254.0
40°	350.2	324.8	306.8	292.0	278.4	270.1	262.1	254.1	247.6	244.9	238.1
42.5°	328.0	307.3	289.2	273.1	264.0	255.2	245.1	239.2	232.4	228.1	223.9
45°	297.3	279.0	263.6	250.3	240.2	231.1	224.5	214.8	211.0	202.3	198.8
47.5°	270.3	253.3	238.6	225.9	216.1	210.2	200.7	193.0	186.9	181.6	177.1
50°	251.1	236.9	222.8	211.5	202.6	194.1	184.3	180.5	171.0	168.3	165.6
52.5°	233.6	220.1	207.2	196.1	187.3	179.0	170.3	165.3	158.9	156.2	154.3
55°	209.1	196.1	183.7	174.0	165.1	156.5	151.1	145.0	142.0	139.9	137.5
57.5°	184.5	172.9	163.3	153.4	144.5	137.7	131.5	127.8	124.7	122.0	119.1
60°	168.9	157.6	149.1	139.9	130.8	125.2	120.4	116.0	112.4	108.3	107.1
62.5°	152.3	142.5	134.7	125.7	117.7	112.6	108.1	103.9	99.7	93.6	92.0
65°	129.6	121.9	113.6	106.2	99.1	94.1	87.5	82.9	81.0	80.5	80.2
67.5°	109.0	101.7	94.6	87.1	80.6	75.9	72.6	71.9	70.7	70.3	69.5
70°	95.2	88.5	81.4	74.2	68.0	67.2	66.0	64.8	63.3	62.7	62.1
72.5°	82.9	75.9	68.8	63.1	60.4	59.3	58.1	57.0	56.0	55.4	55.1
75°	63.6	57.1	52.4	50.3	48.8	47.9	46.2	45.2	44.7	43.8	43.5
77.5°	45.8	42.1	39.9	38.7	37.1	36.1	35.2	34.2	33.6	33.4	33.0
80°	34.9	33.1	31.7	29.9	29.3	28.1	27.8	26.9	27.3	26.3	26.3
82.5°	27.1	24.9	23.6	22.8	22.2	21.2	20.9	20.5	20.6	20.0	20.0
85°	13.9	13.3	12.8	12.1	12.1	11.2	11.6	11.2	11.2	10.6	10.4
87.5°	6.6	6.7	6.7	7.0	7.3	7.4	7.6	7.6	7.8	8.1	8.0
90°	10.5	12.5	14.2	15.9	17.7	19.4	20.4	21.5	22.6	23.7	24.5
92.5°	18.7	19.0	19.9	20.8	21.6	22.5	23.1	23.6	24.2	24.7	25.1
95°	34.5	31.8	33.3	34.8	36.3	37.8	38.9	39.9	41.0	42.1	42.5
97.5°	44.9	36.6	40.1	43.6	47.1	50.6	51.4	52.3	53.2	54.0	54.6
100°	53.6	40.6	44.3	47.9	51.6	55.2	57.0	58.7	60.4	62.1	63.2
102.5°	197.7	179.3	148.6	118.0	87.4	56.8	59.0	61.2	63.5	65.8	67.2
105°	320.4	294.3	235.5	176.7	117.9	59.1	61.5	63.8	66.2	68.6	70.2
107.5°	397.4	364.8	294.3	223.8	153.3	82.8	80.3	78.0	75.5	73.1	72.3
110°	447.3	418.5	356.3	294.1	231.8	169.6	148.1	126.5	105.0	83.4	73.1



TEST NUMBER: P331797-927

CATALOG NUMBER: S122RDIW-S485D1240U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	495.0	489.3	473.9	458.5	443.1	427.7	349.2	270.6	192.1	113.5	74.5
115°	571.9	576.4	581.8	587.2	592.6	597.9	498.2	398.5	298.8	199.1	141.5
117.5°	643.6	647.5	651.1	654.8	658.5	662.3	638.1	614.0	589.9	565.8	528.2
120°	691.3	694.8	698.7	702.6	706.5	710.3	712.9	715.5	718.0	720.6	707.4
122.5°	735.4	739.2	743.4	747.6	751.9	756.1	757.6	759.1	760.7	762.2	760.2
125°	799.0	802.5	806.6	810.6	814.8	818.9	820.4	821.9	823.4	824.9	825.9
127.5°	860.2	863.2	866.3	869.3	872.4	875.4	877.7	879.8	882.0	884.2	885.4
130°	899.5	902.4	904.8	907.1	909.5	911.9	914.3	916.6	919.0	921.3	922.4
132.5°	936.2	938.8	941.2	943.6	945.9	948.3	950.3	952.4	954.3	956.4	957.3
135°	988.6	991.3	993.2	995.2	997.1	999.1	1001.2	1003.4	1005.5	1007.7	1008.5
137.5°	1035.5	1037.8	1040.0	1042.2	1044.3	1046.6	1048.7	1050.8	1052.9	1055.0	1055.7
140°	1066.0	1068.1	1070.5	1072.9	1075.2	1077.6	1079.5	1081.5	1083.4	1085.4	1085.8
142.5°	1093.3	1095.4	1098.1	1100.8	1103.5	1106.3	1108.0	1109.8	1111.6	1113.3	1113.6
145°	1130.0	1131.7	1135.4	1139.1	1142.7	1146.4	1147.9	1149.4	1150.9	1152.4	1152.6
147.5°	1165.8	1167.2	1170.8	1174.4	1178.1	1181.6	1182.8	1183.9	1185.0	1186.1	1186.2
150°	1187.8	1188.8	1192.2	1195.7	1199.1	1202.6	1203.9	1205.1	1206.5	1207.8	1207.8
152.5°	1208.1	1208.9	1212.1	1215.4	1218.7	1221.9	1223.3	1224.6	1225.8	1227.2	1227.1
155°	1237.5	1237.8	1240.4	1242.9	1245.5	1248.2	1249.4	1250.7	1252.0	1253.3	1253.1
157.5°	1262.5	1262.6	1264.4	1266.2	1268.0	1269.9	1271.3	1272.8	1274.2	1275.7	1275.6
160°	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1284.3	1285.6	1286.9	1288.2	1288.1
162.5°	1290.2	1290.1	1291.3	1292.4	1293.6	1294.7	1296.1	1297.6	1299.0	1300.5	1300.3
165°	1306.9	1306.6	1307.3	1307.9	1308.5	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2
167.5°	1319.3	1319.0	1319.6	1320.2	1320.8	1321.4	1322.9	1324.4	1325.9	1327.4	1327.2
170°	1326.3	1325.9	1326.3	1326.7	1327.1	1327.6	1329.1	1330.6	1332.1	1333.6	1333.4
172.5°	1330.9	1330.5	1330.9	1331.3	1331.8	1332.2	1333.7	1335.2	1336.7	1338.2	1338.1
175°	1336.1	1335.5	1336.0	1336.4	1336.9	1337.3	1338.8	1340.3	1341.8	1343.3	1343.0
177.5°	1338.2	1337.8	1337.9	1338.1	1338.2	1338.5	1339.7	1340.8	1342.0	1343.3	1343.1
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331797-927

CATALOG NUMBER: S122RDIW-S485D1240U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	817.5	818.0	817.3	817.8	817.3	818.0	817.5	820.1	820.6	821.1	820.6
5°	761.8	758.2	757.6	756.8	757.6	758.2	761.8	763.3	764.5	766.8	771.0
7.5°	695.1	694.6	693.2	691.0	693.2	694.6	695.1	700.2	704.3	708.8	717.3
10°	652.3	650.9	650.5	648.5	650.5	650.9	652.3	658.8	663.5	670.0	681.6
12.5°	602.1	592.6	591.6	586.5	591.6	592.6	602.1	610.5	623.3	629.5	641.8
15°	512.7	510.9	505.0	501.1	505.0	510.9	512.7	519.8	524.5	541.7	561.5
17.5°	461.5	455.7	453.9	453.1	453.9	455.7	461.5	465.0	471.7	480.8	492.7
20°	428.6	423.3	422.5	421.8	422.5	423.3	428.6	432.8	438.2	447.9	460.3
22.5°	405.9	400.4	398.1	396.3	398.1	400.4	405.9	409.2	414.0	421.6	430.0
25°	367.1	365.0	363.8	363.3	363.8	365.0	367.1	370.1	374.8	385.2	394.0
27.5°	336.8	332.2	331.3	329.8	331.3	332.2	336.8	342.1	347.0	351.6	359.6
30°	319.5	318.0	315.9	314.2	315.9	318.0	319.5	322.2	325.4	333.4	341.1
32.5°	299.1	297.9	296.0	295.2	296.0	297.9	299.1	302.8	309.6	314.5	320.0
35°	276.6	272.4	270.7	268.0	270.7	272.4	276.6	279.6	282.3	286.4	296.4
37.5°	252.8	250.6	248.1	249.0	248.1	250.6	252.8	254.0	259.6	265.4	269.7
40°	234.3	232.8	232.2	232.0	232.2	232.8	234.3	238.1	244.9	247.6	254.1
42.5°	219.6	215.6	214.0	214.0	214.0	215.6	219.6	223.9	228.1	232.4	239.2
45°	197.3	193.5	190.8	191.1	190.8	193.5	197.3	198.8	202.3	211.0	214.8
47.5°	174.5	174.4	172.7	173.3	172.7	174.4	174.5	177.1	181.6	186.9	193.0
50°	163.6	161.8	160.7	160.9	160.7	161.8	163.6	165.6	168.3	171.0	180.5
52.5°	153.2	151.6	150.7	151.9	150.7	151.6	153.2	154.3	156.2	158.9	165.3
55°	136.1	134.3	134.0	133.7	134.0	134.3	136.1	137.5	139.9	142.0	145.0
57.5°	117.0	115.8	114.0	113.3	114.0	115.8	117.0	119.1	122.0	124.7	127.8
60°	103.2	100.8	97.9	97.6	97.9	100.8	103.2	107.1	108.3	112.4	116.0
62.5°	90.7	90.2	89.7	89.6	89.7	90.2	90.7	92.0	93.6	99.7	103.9
65°	79.6	79.3	79.6	79.9	79.6	79.3	79.6	80.2	80.5	81.0	82.9
67.5°	69.3	68.8	68.3	68.5	68.3	68.8	69.3	69.5	70.3	70.7	71.9
70°	61.6	61.2	60.9	60.9	60.9	61.2	61.6	62.1	62.7	63.3	64.8
72.5°	53.9	53.9	53.6	53.4	53.6	53.9	53.9	55.1	55.4	56.0	57.0
75°	43.2	42.6	42.6	42.6	42.6	42.6	43.2	43.5	43.8	44.7	45.2
77.5°	32.9	32.6	32.3	32.1	32.3	32.6	32.9	33.0	33.4	33.6	34.2
80°	26.1	25.7	25.4	25.4	25.4	25.7	26.1	26.3	26.3	27.3	26.9
82.5°	19.9	19.6	19.5	19.3	19.5	19.6	19.9	20.0	20.0	20.6	20.5
85°	10.6	10.9	10.6	11.2	10.6	10.9	10.6	10.4	10.6	11.2	11.2
87.5°	8.1	7.9	8.2	8.1	8.2	7.9	8.1	8.0	8.1	7.8	7.6
90°	24.9	25.3	25.7	26.1	25.7	25.3	24.9	24.5	23.7	22.6	21.5
92.5°	25.3	25.7	25.9	26.1	25.9	25.7	25.3	25.1	24.7	24.2	23.6
95°	42.3	42.1	41.9	41.7	41.9	42.1	42.3	42.5	42.1	41.0	39.9
97.5°	54.8	55.1	55.4	55.6	55.4	55.1	54.8	54.6	54.0	53.2	52.3
100°	63.6	64.1	64.5	65.0	64.5	64.1	63.6	63.2	62.1	60.4	58.7
102.5°	67.7	68.4	69.0	69.6	69.0	68.4	67.7	67.2	65.8	63.5	61.2
105°	71.1	71.9	72.8	73.7	72.8	71.9	71.1	70.2	68.6	66.2	63.8
107.5°	73.2	74.1	74.9	75.8	74.9	74.1	73.2	72.3	73.1	75.5	78.0
110°	74.0	74.9	75.7	76.5	75.7	74.9	74.0	73.1	83.4	105.0	126.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	75.3	76.0	76.6	77.3	76.6	76.0	75.3	74.5	113.5	192.1	270.6
115°	126.0	110.5	95.0	79.5	95.0	110.5	126.0	141.5	199.1	298.8	398.5
117.5°	477.3	426.4	375.4	324.4	375.4	426.4	477.3	528.2	565.8	589.9	614.0
120°	678.3	649.3	620.2	591.1	620.2	649.3	678.3	707.4	720.6	718.0	715.5
122.5°	754.6	748.9	743.3	737.6	743.3	748.9	754.6	760.2	762.2	760.7	759.1
125°	826.6	827.3	827.9	828.5	827.9	827.3	826.6	825.9	824.9	823.4	821.9
127.5°	885.5	885.7	885.7	885.9	885.7	885.7	885.5	885.4	884.2	882.0	879.8
130°	922.2	922.0	921.8	921.5	921.8	922.0	922.2	922.4	921.3	919.0	916.6
132.5°	957.1	956.9	956.6	956.5	956.6	956.9	957.1	957.3	956.4	954.3	952.4
135°	1008.1	1007.7	1007.3	1006.9	1007.3	1007.7	1008.1	1008.5	1007.7	1005.5	1003.4
137.5°	1054.9	1054.2	1053.5	1052.7	1053.5	1054.2	1054.9	1055.7	1055.0	1052.9	1050.8
140°	1084.7	1083.6	1082.5	1081.5	1082.5	1083.6	1084.7	1085.8	1085.4	1083.4	1081.5
142.5°	1112.6	1111.5	1110.4	1109.4	1110.4	1111.5	1112.6	1113.6	1113.3	1111.6	1109.8
145°	1151.5	1150.5	1149.4	1148.3	1149.4	1150.5	1151.5	1152.6	1152.4	1150.9	1149.4
147.5°	1185.3	1184.4	1183.5	1182.6	1183.5	1184.4	1185.3	1186.2	1186.1	1185.0	1183.9
150°	1206.8	1205.7	1204.6	1203.6	1204.6	1205.7	1206.8	1207.8	1207.8	1206.5	1205.1
152.5°	1225.7	1224.2	1222.8	1221.4	1222.8	1224.2	1225.7	1227.1	1227.2	1225.8	1224.6
155°	1251.3	1249.7	1247.9	1246.2	1247.9	1249.7	1251.3	1253.1	1253.3	1252.0	1250.7
157.5°	1273.9	1272.2	1270.6	1268.8	1270.6	1272.2	1273.9	1275.6	1275.7	1274.2	1272.8
160°	1286.6	1285.1	1283.6	1282.1	1283.6	1285.1	1286.6	1288.1	1288.2	1286.9	1285.6
162.5°	1298.5	1296.6	1294.7	1292.9	1294.7	1296.6	1298.5	1300.3	1300.5	1299.0	1297.6
165°	1313.7	1312.2	1310.7	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2	1313.7	1312.2
167.5°	1325.2	1323.3	1321.4	1319.5	1321.4	1323.3	1325.2	1327.2	1327.4	1325.9	1324.4
170°	1331.5	1329.5	1327.6	1325.6	1327.6	1329.5	1331.5	1333.4	1333.6	1332.1	1330.6
172.5°	1336.1	1334.2	1332.2	1330.3	1332.2	1334.2	1336.1	1338.1	1338.2	1336.7	1335.2
175°	1340.8	1338.7	1336.5	1334.4	1336.5	1338.7	1340.8	1343.0	1343.3	1341.8	1340.3
177.5°	1341.6	1340.0	1338.5	1336.9	1338.5	1340.0	1341.6	1343.1	1343.3	1342.0	1340.8
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331797-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	818.7	822.0	827.0	829.9	834.6	837.7	839.3	842.4	844.1	850.0	856.1
5°	773.0	777.8	786.0	793.7	802.0	810.6	816.8	823.9	830.4	841.6	853.5
7.5°	720.6	727.1	740.0	752.3	766.7	778.8	789.5	801.6	812.5	828.5	845.3
10°	681.3	692.8	709.7	721.2	740.1	752.3	769.1	782.4	797.6	818.9	837.8
12.5°	647.5	661.4	674.9	690.9	708.0	728.2	746.7	763.7	781.7	803.7	825.9
15°	586.1	606.2	627.2	643.4	666.5	687.8	709.4	732.5	754.4	780.7	809.7
17.5°	507.0	530.3	565.6	593.5	620.6	642.0	668.7	696.6	722.4	754.2	786.4
20°	471.3	488.4	512.4	549.9	590.8	613.5	640.8	671.5	701.1	735.7	770.3
22.5°	442.6	457.9	477.1	506.4	552.0	583.0	611.4	642.7	677.0	712.3	750.7
25°	401.7	412.4	432.5	456.1	487.5	538.7	569.7	601.1	638.4	676.3	720.0
27.5°	371.1	380.6	393.7	416.3	439.6	476.3	525.8	559.9	597.1	639.7	685.2
30°	347.6	358.9	373.4	389.3	414.8	443.5	492.8	532.5	569.2	613.0	661.5
32.5°	330.6	339.5	351.8	368.0	389.2	416.7	456.1	504.3	540.0	586.2	636.8
35°	302.6	313.0	323.1	338.4	355.6	380.7	410.6	462.1	497.6	543.1	594.1
37.5°	279.6	286.0	297.1	309.3	327.3	346.1	372.0	418.2	456.6	501.3	553.4
40°	262.1	270.1	278.4	292.0	306.8	324.8	350.2	384.6	428.6	472.5	523.3
42.5°	245.1	255.2	264.0	273.1	289.2	307.3	328.0	357.1	402.1	443.5	493.1
45°	224.5	231.1	240.2	250.3	263.6	279.0	297.3	322.7	365.9	401.7	448.2
47.5°	200.7	210.2	216.1	225.9	238.6	253.3	270.3	292.3	327.3	360.8	403.9
50°	184.3	194.1	202.6	211.5	222.8	236.9	251.1	272.4	300.6	335.8	376.0
52.5°	170.3	179.0	187.3	196.1	207.2	220.1	233.6	252.3	276.4	308.8	347.8
55°	151.1	156.5	165.1	174.0	183.7	196.1	209.1	224.8	245.6	272.7	304.4
57.5°	131.5	137.7	144.5	153.4	163.3	172.9	184.5	198.8	215.1	239.7	266.8
60°	120.4	125.2	130.8	139.9	149.1	157.6	168.9	180.8	196.1	217.5	240.5
62.5°	108.1	112.6	117.7	125.7	134.7	142.5	152.3	164.9	177.9	197.3	217.5
65°	87.5	94.1	99.1	106.2	113.6	121.9	129.6	139.7	151.1	166.5	184.6
67.5°	72.6	75.9	80.6	87.1	94.6	101.7	109.0	116.8	126.8	138.7	153.0
70°	66.0	67.2	68.0	74.2	81.4	88.5	95.2	102.7	111.2	121.0	133.4
72.5°	58.1	59.3	60.4	63.1	68.8	75.9	82.9	88.5	96.6	104.6	114.7
75°	46.2	47.9	48.8	50.3	52.4	57.1	63.6	68.9	73.7	79.9	87.9
77.5°	35.2	36.1	37.1	38.7	39.9	42.1	45.8	50.6	55.1	58.6	64.2
80°	27.8	28.1	29.3	29.9	31.7	33.1	34.9	38.7	43.2	44.7	48.5
82.5°	20.9	21.2	22.2	22.8	23.6	24.9	27.1	28.1	31.6	33.5	36.0
85°	11.6	11.2	12.1	12.1	12.8	13.3	13.9	15.4	16.2	18.6	19.3
87.5°	7.6	7.4	7.3	7.0	6.7	6.7	6.6	6.3	6.3	6.6	7.1
90°	20.4	19.4	17.7	15.9	14.2	12.5	10.5	8.1	5.7	3.3	1.0
92.5°	23.1	22.5	21.6	20.8	19.9	19.0	18.7	18.9	19.2	19.3	19.6
95°	38.9	37.8	36.3	34.8	33.3	31.8	34.5	41.7	48.8	55.8	63.0
97.5°	51.4	50.6	47.1	43.6	40.1	36.6	44.9	65.0	84.9	105.0	125.0
100°	57.0	55.2	51.6	47.9	44.3	40.6	53.6	83.0	112.5	142.0	171.5
102.5°	59.0	56.8	87.4	118.0	148.6	179.3	197.7	204.0	210.2	216.4	222.7
105°	61.5	59.1	117.9	176.7	235.5	294.3	320.4	313.9	307.5	301.0	294.6
107.5°	80.3	82.8	153.3	223.8	294.3	364.8	397.4	392.2	387.0	381.8	376.6
110°	148.1	169.6	231.8	294.1	356.3	418.5	447.3	442.8	438.3	433.8	429.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	349.2	427.7	443.1	458.5	473.9	489.3	495.0	490.9	486.9	482.9	478.9
115°	498.2	597.9	592.6	587.2	581.8	576.4	571.9	568.2	564.5	560.9	557.2
117.5°	638.1	662.3	658.5	654.8	651.1	647.5	643.6	639.4	635.3	631.3	627.2
120°	712.9	710.3	706.5	702.6	698.7	694.8	691.3	688.0	684.8	681.6	678.3
122.5°	757.6	756.1	751.9	747.6	743.4	739.2	735.4	732.0	728.6	725.2	721.8
125°	820.4	818.9	814.8	810.6	806.6	802.5	799.0	796.2	793.4	790.6	787.8
127.5°	877.7	875.4	872.4	869.3	866.3	863.2	860.2	857.1	853.9	850.8	847.7
130°	914.3	911.9	909.5	907.1	904.8	902.4	899.5	896.0	892.6	889.1	885.7
132.5°	950.3	948.3	945.9	943.6	941.2	938.8	936.2	933.3	930.3	927.4	924.5
135°	1001.2	999.1	997.1	995.2	993.2	991.3	988.6	985.2	981.8	978.3	974.9
137.5°	1048.7	1046.6	1044.3	1042.2	1040.0	1037.8	1035.5	1033.1	1030.6	1028.3	1025.8
140°	1079.5	1077.6	1075.2	1072.9	1070.5	1068.1	1066.0	1064.3	1062.6	1060.9	1059.1
142.5°	1108.0	1106.3	1103.5	1100.8	1098.1	1095.4	1093.3	1091.7	1090.2	1088.6	1087.1
145°	1147.9	1146.4	1142.7	1139.1	1135.4	1131.7	1130.0	1130.2	1130.4	1130.7	1130.8
147.5°	1182.8	1181.6	1178.1	1174.4	1170.8	1167.2	1165.8	1166.6	1167.4	1168.2	1169.0
150°	1203.9	1202.6	1199.1	1195.7	1192.2	1188.8	1187.8	1189.3	1190.9	1192.4	1193.9
152.5°	1223.3	1221.9	1218.7	1215.4	1212.1	1208.9	1208.1	1209.7	1211.4	1213.1	1214.8
155°	1249.4	1248.2	1245.5	1242.9	1240.4	1237.8	1237.5	1239.4	1241.3	1243.3	1245.2
157.5°	1271.3	1269.9	1268.0	1266.2	1264.4	1262.6	1262.5	1264.2	1265.7	1267.4	1269.1
160°	1284.3	1283.0	1281.8	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0
162.5°	1296.1	1294.7	1293.6	1292.4	1291.3	1290.1	1290.2	1291.6	1292.8	1294.1	1295.5
165°	1310.7	1309.2	1308.5	1307.9	1307.3	1306.6	1306.9	1308.2	1309.5	1310.8	1312.1
167.5°	1322.9	1321.4	1320.8	1320.2	1319.6	1319.0	1319.3	1320.6	1321.9	1323.2	1324.5
170°	1329.1	1327.6	1327.1	1326.7	1326.3	1325.9	1326.3	1327.6	1328.9	1330.2	1331.5
172.5°	1333.7	1332.2	1331.8	1331.3	1330.9	1330.5	1330.9	1332.2	1333.6	1334.8	1336.1
175°	1338.8	1337.3	1336.9	1336.4	1336.0	1335.5	1336.1	1337.6	1339.1	1340.6	1342.1
177.5°	1339.7	1338.5	1338.2	1338.1	1337.9	1337.8	1338.2	1339.5	1340.7	1341.9	1343.1
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331797-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	856.3	857.1	861.8	864.0	868.2	869.9	871.7	871.2	871.2	872.2	878.8
5°	858.2	864.1	873.0	881.5	889.9	897.0	901.7	906.4	908.2	916.8	924.5
7.5°	855.2	866.0	880.7	893.7	909.4	921.7	931.8	941.0	947.3	959.8	972.6
10°	851.1	866.5	883.0	899.9	921.5	937.8	954.3	967.1	971.2	989.8	1000.5
12.5°	843.0	863.6	884.7	906.6	927.6	950.1	968.3	981.0	995.6	1012.3	1032.0
15°	831.0	854.7	882.2	910.3	940.5	967.7	987.2	1009.4	1025.3	1043.7	1060.8
17.5°	813.7	844.1	879.1	911.6	946.5	975.7	1002.7	1023.9	1035.1	1045.6	1048.2
20°	799.9	832.7	873.9	912.4	947.2	981.0	1007.6	1025.3	1028.3	1028.6	1012.9
22.5°	785.1	822.1	865.1	904.5	946.3	983.8	1004.5	1012.1	1000.4	980.3	950.0
25°	757.6	800.5	850.5	895.5	941.0	976.5	983.7	970.3	929.2	886.0	831.3
27.5°	727.9	776.1	829.7	879.7	928.3	950.3	934.9	886.9	812.9	748.5	670.5
30°	706.2	760.3	812.9	868.9	913.8	923.3	888.1	817.4	731.0	634.0	556.2
32.5°	681.3	738.0	795.9	853.7	891.4	882.1	823.9	736.9	635.6	540.3	466.7
35°	645.8	704.4	766.8	824.7	848.7	808.8	721.8	608.6	505.0	416.0	365.4
37.5°	604.8	668.6	733.5	786.7	785.1	718.4	600.0	483.0	396.0	343.3	307.3
40°	575.7	640.2	710.3	755.3	736.0	649.4	520.9	410.6	347.0	305.0	278.7
42.5°	547.8	612.5	682.1	717.9	684.4	577.9	450.0	363.5	311.0	278.3	256.9
45°	500.3	568.5	633.1	652.9	593.1	475.7	363.8	301.2	266.3	242.0	227.2
47.5°	453.8	521.0	579.9	580.3	499.4	385.8	307.0	260.6	230.8	212.1	201.3
50°	425.4	489.3	538.7	531.0	439.3	343.2	274.5	234.6	209.8	195.3	184.0
52.5°	393.5	455.4	498.2	476.3	388.4	302.0	245.4	211.9	191.3	178.7	168.7
55°	347.0	402.0	432.2	399.1	316.9	251.1	207.4	181.0	165.6	155.0	146.5
57.5°	301.4	346.7	365.8	327.2	260.9	208.3	175.4	155.7	140.4	132.8	128.3
60°	272.7	311.5	324.8	282.3	226.9	182.2	155.3	137.0	125.7	120.7	116.3
62.5°	244.6	276.2	281.8	242.7	197.8	159.5	136.4	120.9	113.4	108.6	104.4
65°	203.0	225.7	223.1	191.7	156.5	126.6	109.7	100.3	94.7	87.9	80.5
67.5°	167.1	181.0	172.6	149.1	119.5	98.4	87.4	80.2	73.3	66.8	65.1
70°	144.3	152.3	143.5	121.9	97.9	82.5	73.7	65.1	60.9	59.5	56.8
72.5°	122.6	125.4	115.8	97.3	79.7	68.4	59.7	54.9	52.7	51.4	49.7
75°	92.0	89.9	81.7	67.2	55.3	47.6	45.0	43.2	41.7	40.6	39.6
77.5°	64.6	61.6	54.2	44.8	38.5	34.9	33.3	32.3	31.6	31.0	30.1
80°	48.5	46.4	39.1	31.9	29.3	27.5	26.6	25.4	25.4	24.9	23.9
82.5°	35.5	33.2	26.8	23.4	21.9	20.9	20.2	19.5	19.3	19.4	18.8
85°	18.6	15.1	13.3	12.8	11.8	11.2	11.6	10.9	10.9	10.9	10.6
87.5°	6.3	5.6	5.9	6.1	6.7	7.1	7.2	7.5	8.2	8.1	8.6
90°	3.3	5.7	8.1	10.5	12.5	14.2	15.9	17.7	19.4	20.4	21.5
92.5°	19.3	19.2	18.9	18.7	19.0	19.9	20.8	21.6	22.5	23.1	23.6
95°	55.8	48.8	41.7	34.5	31.8	33.3	34.8	36.3	37.8	38.9	39.9
97.5°	105.0	84.9	65.0	44.9	36.6	40.1	43.6	47.1	50.6	51.4	52.3
100°	142.0	112.5	83.0	53.6	40.6	44.3	47.9	51.6	55.2	57.0	58.7
102.5°	216.4	210.2	204.0	197.7	179.3	148.6	118.0	87.4	56.8	59.0	61.2
105°	301.0	307.5	313.9	320.4	294.3	235.5	176.7	117.9	59.1	61.5	63.8
107.5°	381.8	387.0	392.2	397.4	364.8	294.3	223.8	153.3	82.8	80.3	78.0
110°	433.8	438.3	442.8	447.3	418.5	356.3	294.1	231.8	169.6	148.1	126.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	482.9	486.9	490.9	495.0	489.3	473.9	458.5	443.1	427.7	349.2	270.6
115°	560.9	564.5	568.2	571.9	576.4	581.8	587.2	592.6	597.9	498.2	398.5
117.5°	631.3	635.3	639.4	643.6	647.5	651.1	654.8	658.5	662.3	638.1	614.0
120°	681.6	684.8	688.0	691.3	694.8	698.7	702.6	706.5	710.3	712.9	715.5
122.5°	725.2	728.6	732.0	735.4	739.2	743.4	747.6	751.9	756.1	757.6	759.1
125°	790.6	793.4	796.2	799.0	802.5	806.6	810.6	814.8	818.9	820.4	821.9
127.5°	850.8	853.9	857.1	860.2	863.2	866.3	869.3	872.4	875.4	877.7	879.8
130°	889.1	892.6	896.0	899.5	902.4	904.8	907.1	909.5	911.9	914.3	916.6
132.5°	927.4	930.3	933.3	936.2	938.8	941.2	943.6	945.9	948.3	950.3	952.4
135°	978.3	981.8	985.2	988.6	991.3	993.2	995.2	997.1	999.1	1001.2	1003.4
137.5°	1028.3	1030.6	1033.1	1035.5	1037.8	1040.0	1042.2	1044.3	1046.6	1048.7	1050.8
140°	1060.9	1062.6	1064.3	1066.0	1068.1	1070.5	1072.9	1075.2	1077.6	1079.5	1081.5
142.5°	1088.6	1090.2	1091.7	1093.3	1095.4	1098.1	1100.8	1103.5	1106.3	1108.0	1109.8
145°	1130.7	1130.4	1130.2	1130.0	1131.7	1135.4	1139.1	1142.7	1146.4	1147.9	1149.4
147.5°	1168.2	1167.4	1166.6	1165.8	1167.2	1170.8	1174.4	1178.1	1181.6	1182.8	1183.9
150°	1192.4	1190.9	1189.3	1187.8	1188.8	1192.2	1195.7	1199.1	1202.6	1203.9	1205.1
152.5°	1213.1	1211.4	1209.7	1208.1	1208.9	1212.1	1215.4	1218.7	1221.9	1223.3	1224.6
155°	1243.3	1241.3	1239.4	1237.5	1237.8	1240.4	1242.9	1245.5	1248.2	1249.4	1250.7
157.5°	1267.4	1265.7	1264.2	1262.5	1262.6	1264.4	1266.2	1268.0	1269.9	1271.3	1272.8
160°	1281.8	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1284.3	1285.6
162.5°	1294.1	1292.8	1291.6	1290.2	1290.1	1291.3	1292.4	1293.6	1294.7	1296.1	1297.6
165°	1310.8	1309.5	1308.2	1306.9	1306.6	1307.3	1307.9	1308.5	1309.2	1310.7	1312.2
167.5°	1323.2	1321.9	1320.6	1319.3	1319.0	1319.6	1320.2	1320.8	1321.4	1322.9	1324.4
170°	1330.2	1328.9	1327.6	1326.3	1325.9	1326.3	1326.7	1327.1	1327.6	1329.1	1330.6
172.5°	1334.8	1333.6	1332.2	1330.9	1330.5	1330.9	1331.3	1331.8	1332.2	1333.7	1335.2
175°	1340.6	1339.1	1337.6	1336.1	1335.5	1336.0	1336.4	1336.9	1337.3	1338.8	1340.3
177.5°	1341.9	1340.7	1339.5	1338.2	1337.8	1337.9	1338.1	1338.2	1338.5	1339.7	1340.8
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	881.2	884.3	885.7	885.7	887.4	886.7	886.0
5°	931.8	937.5	938.7	944.0	947.8	946.7	947.2
7.5°	982.2	991.3	1000.2	1004.2	1005.0	1007.3	1008.2
10°	1013.2	1020.6	1034.5	1032.5	1042.8	1048.7	1038.9
12.5°	1043.1	1053.0	1062.7	1065.3	1071.2	1073.1	1069.2
15°	1070.0	1075.3	1075.9	1074.4	1076.3	1074.8	1069.1
17.5°	1044.8	1036.2	1018.7	1010.3	1003.8	994.1	990.2
20°	1003.1	977.7	948.2	936.3	922.4	895.2	901.7
22.5°	913.2	884.2	854.7	820.1	803.6	777.8	776.3
25°	773.3	723.3	668.3	629.8	607.4	581.6	570.4
27.5°	601.3	538.3	493.2	470.4	449.6	429.2	428.3
30°	488.1	440.8	405.9	386.3	373.7	365.0	366.9
32.5°	411.5	379.0	355.5	339.3	329.9	323.4	323.3
35°	336.4	314.2	299.0	292.3	285.5	280.7	281.1
37.5°	287.9	274.5	266.1	258.6	254.4	252.1	250.7
40°	263.0	252.1	245.6	241.1	237.6	234.3	233.7
42.5°	243.4	234.3	227.8	224.3	221.0	218.6	218.1
45°	215.9	208.6	202.6	198.8	197.3	195.3	195.3
47.5°	192.1	184.8	180.2	177.8	175.2	173.9	173.8
50°	176.0	170.4	166.3	164.8	162.7	161.8	161.5
52.5°	161.6	157.4	154.4	153.4	152.5	151.4	151.5
55°	142.0	139.7	138.5	137.5	136.1	134.3	135.5
57.5°	125.5	123.5	120.3	117.5	116.1	114.9	115.3
60°	113.9	109.7	105.6	102.3	101.5	98.8	98.8
62.5°	99.3	93.4	88.3	86.5	85.6	84.4	84.1
65°	76.3	74.0	72.8	71.6	71.0	71.0	70.4
67.5°	63.2	62.3	61.0	60.7	60.1	60.0	59.7
70°	55.9	54.7	54.1	53.9	53.2	53.6	52.7
72.5°	48.8	47.8	47.8	47.0	46.7	46.7	46.0
75°	38.4	38.4	38.2	37.9	37.3	37.0	37.3
77.5°	29.5	29.6	29.1	29.1	29.0	29.1	28.8
80°	23.7	23.9	23.7	23.4	23.1	23.4	23.1
82.5°	18.7	18.3	18.2	18.1	18.1	17.9	17.9
85°	10.6	10.9	10.6	10.4	10.4	10.4	10.6
87.5°	8.6	8.8	8.9	9.0	9.1	9.2	9.0
90°	22.6	23.7	24.5	24.9	25.3	25.7	26.1
92.5°	24.2	24.7	25.1	25.3	25.7	25.9	26.1
95°	41.0	42.1	42.5	42.3	42.1	41.9	41.7
97.5°	53.2	54.0	54.6	54.8	55.1	55.4	55.6
100°	60.4	62.1	63.2	63.6	64.1	64.5	65.0
102.5°	63.5	65.8	67.2	67.7	68.4	69.0	69.6
105°	66.2	68.6	70.2	71.1	71.9	72.8	73.7
107.5°	75.5	73.1	72.3	73.2	74.1	74.9	75.8
110°	105.0	83.4	73.1	74.0	74.9	75.7	76.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	192.1	113.5	74.5	75.3	76.0	76.6	77.3
115°	298.8	199.1	141.5	126.0	110.5	95.0	79.5
117.5°	589.9	565.8	528.2	477.3	426.4	375.4	324.4
120°	718.0	720.6	707.4	678.3	649.3	620.2	591.1
122.5°	760.7	762.2	760.2	754.6	748.9	743.3	737.6
125°	823.4	824.9	825.9	826.6	827.3	827.9	828.5
127.5°	882.0	884.2	885.4	885.5	885.7	885.7	885.9
130°	919.0	921.3	922.4	922.2	922.0	921.8	921.5
132.5°	954.3	956.4	957.3	957.1	956.9	956.6	956.5
135°	1005.5	1007.7	1008.5	1008.1	1007.7	1007.3	1006.9
137.5°	1052.9	1055.0	1055.7	1054.9	1054.2	1053.5	1052.7
140°	1083.4	1085.4	1085.8	1084.7	1083.6	1082.5	1081.5
142.5°	1111.6	1113.3	1113.6	1112.6	1111.5	1110.4	1109.4
145°	1150.9	1152.4	1152.6	1151.5	1150.5	1149.4	1148.3
147.5°	1185.0	1186.1	1186.2	1185.3	1184.4	1183.5	1182.6
150°	1206.5	1207.8	1207.8	1206.8	1205.7	1204.6	1203.6
152.5°	1225.8	1227.2	1227.1	1225.7	1224.2	1222.8	1221.4
155°	1252.0	1253.3	1253.1	1251.3	1249.7	1247.9	1246.2
157.5°	1274.2	1275.7	1275.6	1273.9	1272.2	1270.6	1268.8
160°	1286.9	1288.2	1288.1	1286.6	1285.1	1283.6	1282.1
162.5°	1299.0	1300.5	1300.3	1298.5	1296.6	1294.7	1292.9
165°	1313.7	1315.2	1315.2	1313.7	1312.2	1310.7	1309.2
167.5°	1325.9	1327.4	1327.2	1325.2	1323.3	1321.4	1319.5
170°	1332.1	1333.6	1333.4	1331.5	1329.5	1327.6	1325.6
172.5°	1336.7	1338.2	1338.1	1336.1	1334.2	1332.2	1330.3
175°	1341.8	1343.3	1343.0	1340.8	1338.7	1336.5	1334.4
177.5°	1342.0	1343.3	1343.1	1341.6	1340.0	1338.5	1336.9
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2

(END OF REPORT)