

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: P331797-935

Luminaire Tested: **S122RDIW-S485D1240U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331797-935
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-S485D1240U935-4F0-1E-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: 5868.4 lumens
Efficiency: N/A
Efficacy: 109.1 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

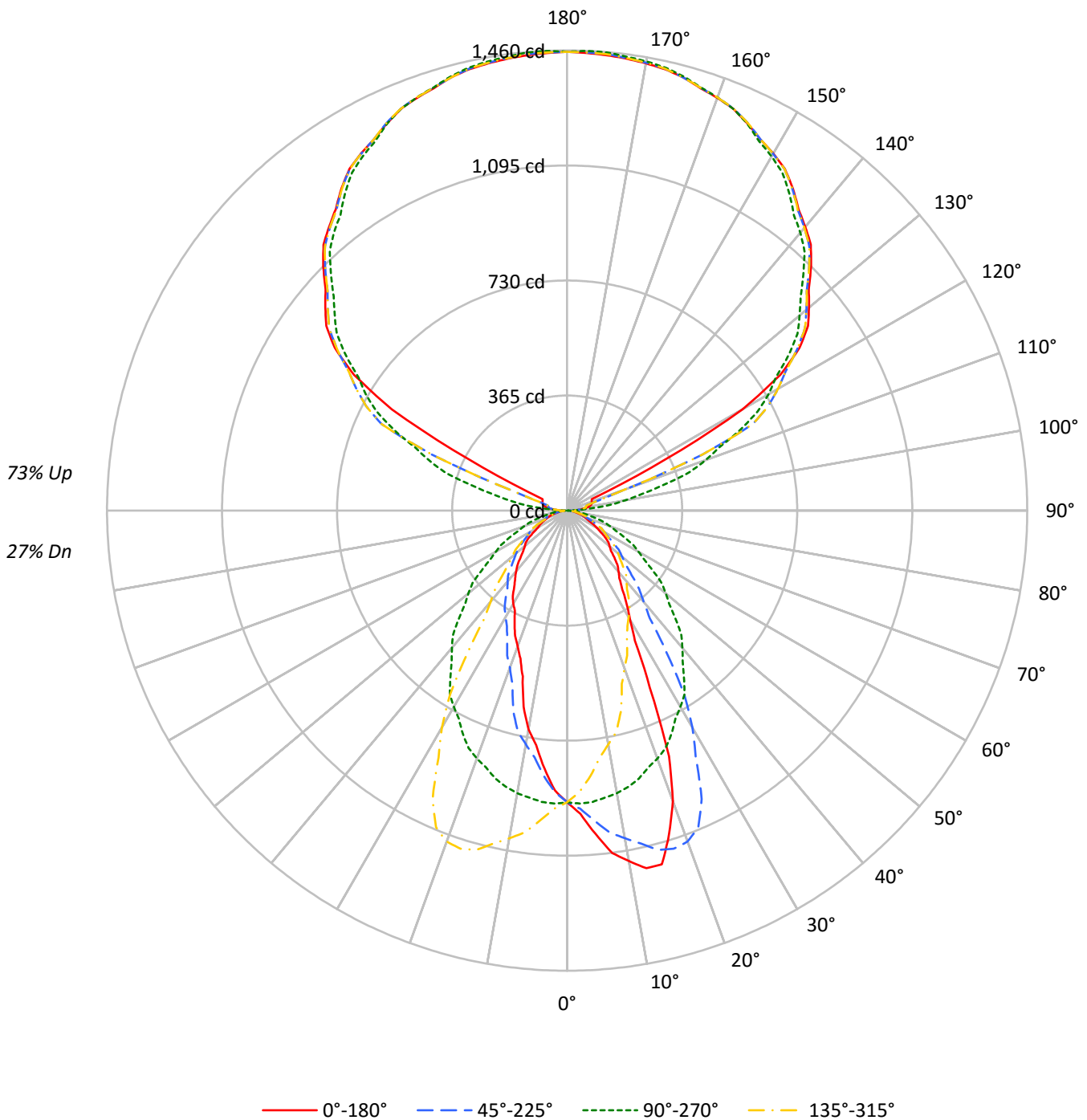
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14941	14941	14941	14941
5°	16686	15034	13331	15034
10°	18513	14929	11555	14929
15°	19423	14710	9105	14710
20°	16838	14385	7878	14385
25°	11043	13942	7035	13942
30°	7433	13403	6367	13403
35°	6022	12727	5742	12727
40°	5354	11989	5313	11989
45°	4845	11125	4743	11125
50°	4411	10263	4393	10263
55°	4144	9315	4090	9315
60°	3468	8441	3426	8441
65°	2923	7664	3316	7664
70°	2705	6845	3125	6845
75°	2533	5958	2888	5958
80°	2334	4900	2566	4900
85°	2130	3872	2260	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.5
10°-20°	244.4	4.2
20°-30°	315.0	5.4
30°-40°	299.3	5.1
40°-50°	256.4	4.4
50°-60°	195.3	3.3
60°-70°	123.4	2.1
70°-80°	61.6	1.1
80°-90°	19.6	0.3
90°-100°	48.6	0.8
100°-110°	178.1	3.0
110°-120°	476.0	8.1
120°-130°	785.7	13.4
130°-140°	835.5	14.2
140°-150°	776.6	13.2
150°-160°	624.4	10.6
160°-170°	402.3	6.9
170°-180°	138.5	2.4
0°-30°	647.1	11.0
0°-40°	946.4	16.1
0°-60°	1398.1	23.8
0°-90°	1602.8	27.3
90°-120°	702.6	12.0
90°-150°	3100.4	52.8
90°-180°	4266.0	72.7
0°-180°	5868.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1030	928	822	928	1030	102
15°	1162	880	545	880	1162	313
25°	620	783	395	783	620	294
35°	306	646	291	646	306	195
45°	212	487	208	487	212	164
55°	147	331	145	331	147	129
65°	76	201	87	201	76	78
75°	41	96	46	96	41	43
85°	12	21	12	21	12	13
90°	28	1	28	1	28	13
95°	45	68	45	68	45	42
105°	80	320	80	320	80	83
115°	86	606	86	606	86	216
125°	900	856	900	856	900	779
135°	1094	1060	1094	1060	1094	843
145°	1248	1229	1248	1229	1248	781
155°	1354	1353	1354	1353	1354	625
165°	1423	1426	1423	1426	1423	402
175°	1450	1459	1450	1459	1450	138
180°	1456	1456	1456	1456	1456	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	962.9	963.7	964.5	962.7	962.7	961.1	957.8	955.2	948.0	946.9	946.9
5°	1029.5	1028.9	1030.2	1026.0	1020.2	1018.9	1012.8	1004.8	996.4	987.1	985.2
7.5°	1095.8	1094.8	1092.3	1091.5	1087.1	1077.4	1067.6	1057.0	1043.2	1029.6	1022.8
10°	1129.2	1139.8	1133.4	1122.1	1124.4	1109.3	1101.2	1087.4	1075.8	1055.6	1051.1
12.5°	1162.1	1166.3	1164.2	1157.9	1155.0	1144.5	1133.7	1121.6	1100.3	1082.1	1066.3
15°	1162.0	1168.1	1169.8	1167.8	1169.4	1168.7	1163.0	1153.0	1134.4	1114.4	1097.1
17.5°	1076.2	1080.5	1091.0	1098.1	1107.2	1126.2	1135.6	1139.3	1136.4	1125.1	1112.8
20°	980.0	972.9	1002.5	1017.6	1030.5	1062.6	1090.3	1100.9	1117.9	1117.7	1114.4
22.5°	843.7	845.3	873.4	891.3	928.9	961.0	992.6	1032.5	1065.5	1087.3	1100.0
25°	619.9	632.1	660.1	684.5	726.3	786.2	840.5	903.5	962.9	1010.0	1054.6
27.5°	465.5	466.5	488.6	511.3	536.1	585.0	653.5	728.8	813.6	883.5	964.0
30°	398.7	396.7	406.1	419.9	441.2	479.1	530.5	604.5	689.1	794.5	888.4
32.5°	351.4	351.5	358.5	368.8	386.3	411.9	447.2	507.2	587.2	690.9	800.9
35°	305.5	305.1	310.3	317.7	325.0	341.5	365.6	397.1	452.1	548.9	661.4
37.5°	272.5	274.0	276.5	281.1	289.2	298.3	312.9	334.0	373.2	430.4	525.0
40°	254.0	254.7	258.2	262.1	266.9	274.0	285.9	302.9	331.5	377.1	446.3
42.5°	237.0	237.6	240.2	243.7	247.5	254.7	264.5	279.2	302.5	338.0	395.1
45°	212.2	212.2	214.5	216.0	220.2	226.7	234.7	246.9	263.0	289.4	327.4
47.5°	188.9	189.0	190.5	193.2	195.9	200.9	208.8	218.8	230.5	250.9	283.3
50°	175.6	175.9	176.8	179.1	180.7	185.2	191.3	200.0	212.2	228.0	254.9
52.5°	164.7	164.5	165.7	166.8	167.8	171.1	175.6	183.3	194.2	207.9	230.3
55°	147.2	145.9	147.9	149.5	150.5	151.8	154.3	159.2	168.5	180.0	196.7
57.5°	125.4	124.8	126.2	127.7	130.7	134.2	136.4	139.5	144.3	152.6	169.2
60°	107.4	107.4	110.3	111.2	114.8	119.2	123.8	126.4	131.2	136.6	148.9
62.5°	91.4	91.7	93.1	94.0	96.0	101.5	107.9	113.5	118.0	123.3	131.4
65°	76.5	77.1	77.1	77.8	79.1	80.4	82.9	87.5	95.5	102.9	109.0
67.5°	64.9	65.2	65.3	66.0	66.3	67.7	68.7	70.8	72.6	79.6	87.2
70°	57.3	58.2	57.9	58.5	58.8	59.5	60.8	61.7	64.7	66.2	70.8
72.5°	50.0	50.7	50.7	51.1	51.9	52.0	53.0	54.0	55.9	57.3	59.7
75°	40.6	40.2	40.6	41.2	41.5	41.8	41.8	43.0	44.1	45.4	46.9
77.5°	31.3	31.6	31.5	31.6	31.6	32.2	32.1	32.7	33.7	34.4	35.1
80°	25.1	25.4	25.1	25.4	25.7	26.0	25.7	26.0	27.0	27.6	27.6
82.5°	19.5	19.5	19.7	19.7	19.8	19.9	20.3	20.4	21.1	20.9	21.2
85°	11.5	11.3	11.3	11.3	11.5	11.9	11.5	11.5	11.9	11.9	11.9
87.5°	9.8	10.0	9.9	9.8	9.6	9.6	9.3	9.3	8.8	8.9	8.2
90°	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4	22.2	21.1	19.2
92.5°	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7	25.1	24.5	23.5
95°	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4	42.3	41.1	39.4
97.5°	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8	55.9	55.0	51.2
100°	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8	61.9	60.0	56.1
102.5°	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6	64.1	61.7	59.0
105°	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4	66.8	64.2	61.2
107.5°	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7	87.3	90.0	100.0
110°	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5	160.9	184.3	251.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1	379.5	464.9	481.6
115°	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1	541.5	649.9	644.0
117.5°	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4	693.5	719.8	715.7
120°	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7	774.8	772.0	767.8
122.5°	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1	823.4	821.7	817.2
125°	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3	891.7	890.0	885.5
127.5°	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2	953.9	951.5	948.1
130°	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3	993.7	991.1	988.5
132.5°	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1	1032.9	1030.7	1028.1
135°	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5	1088.2	1085.9	1083.7
137.5°	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0	1139.8	1137.5	1135.1
140°	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4	1173.3	1171.2	1168.6
142.5°	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2	1204.3	1202.4	1199.4
145°	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2	1247.6	1246.0	1242.0
147.5°	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8	1285.6	1284.3	1280.4
150°	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8	1308.5	1307.1	1303.3
152.5°	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9	1329.6	1328.1	1324.6
155°	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3	1358.0	1356.6	1353.8
157.5°	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4	1381.7	1380.2	1378.2
160°	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3	1395.9	1394.5	1393.1
162.5°	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3	1408.7	1407.1	1405.9
165°	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9	1422.2
167.5°	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4	1437.8	1436.1	1435.5
170°	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2	1444.6	1442.9	1442.4
172.5°	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2	1449.6	1447.9	1447.5
175°	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7	1455.1	1453.5	1453.0
177.5°	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3	1456.0	1454.7	1454.5
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	947.4	945.5	943.7	939.0	936.7	931.5	930.7	930.5	923.9	917.4	915.6
5°	980.0	974.9	967.2	958.1	948.8	939.2	932.7	927.6	914.7	902.5	895.4
7.5°	1012.8	1001.8	988.4	971.4	957.2	941.2	929.4	918.8	900.5	883.0	871.2
10°	1037.2	1019.3	1001.6	978.1	959.8	941.8	925.1	910.6	890.0	866.9	850.4
12.5°	1052.4	1032.6	1008.2	985.3	961.6	938.7	916.3	897.7	873.6	849.6	830.1
15°	1073.0	1051.7	1022.2	989.4	958.8	928.9	903.2	880.0	848.5	819.9	796.1
17.5°	1089.8	1060.5	1028.7	990.8	955.5	917.5	884.3	854.7	819.7	785.1	757.2
20°	1095.1	1066.2	1029.5	991.6	949.8	905.1	869.4	837.2	799.6	762.0	729.9
22.5°	1091.7	1069.3	1028.5	983.1	940.3	893.5	853.3	815.9	774.2	735.8	698.5
25°	1069.1	1061.4	1022.8	973.3	924.4	870.0	823.5	782.6	735.0	693.9	653.3
27.5°	1016.2	1032.9	1008.9	956.1	901.8	843.5	791.2	744.7	695.3	648.9	608.6
30°	965.3	1003.5	993.2	944.3	883.6	826.3	767.5	718.9	666.2	618.6	578.8
32.5°	895.5	958.7	968.8	927.9	865.0	802.1	740.5	692.2	637.1	586.9	548.1
35°	784.5	879.1	922.5	896.4	833.4	765.6	701.9	645.7	590.3	540.8	502.2
37.5°	652.1	780.8	853.3	855.1	797.2	726.7	657.4	601.5	544.8	496.3	454.5
40°	566.2	705.8	800.0	820.9	772.0	695.8	625.7	568.8	513.5	465.9	418.0
42.5°	489.0	628.1	743.9	780.2	741.4	665.7	595.4	535.9	482.1	437.0	388.1
45°	395.5	517.0	644.6	709.6	688.1	617.9	543.7	487.2	436.6	397.7	350.8
47.5°	333.6	419.3	542.8	630.7	630.3	566.3	493.3	439.0	392.2	355.8	317.7
50°	298.3	373.0	477.5	577.1	585.5	531.8	462.4	408.6	365.0	326.7	296.1
52.5°	266.7	328.2	422.1	517.7	541.5	495.0	427.7	378.1	335.6	300.4	274.2
55°	225.4	272.9	344.4	433.8	469.8	437.0	377.1	330.9	296.4	266.9	244.4
57.5°	190.6	226.4	283.6	355.6	397.5	376.9	327.6	290.0	260.5	233.8	216.0
60°	168.8	198.0	246.6	306.8	353.0	338.5	296.4	261.4	236.3	213.2	196.5
62.5°	148.3	173.4	215.0	263.8	306.3	300.2	265.9	236.4	214.5	193.4	179.3
65°	119.2	137.6	170.0	208.4	242.5	245.3	220.6	200.6	181.0	164.3	151.8
67.5°	95.0	106.9	129.8	162.0	187.6	196.7	181.6	166.3	150.8	137.8	127.0
70°	80.1	89.7	106.4	132.5	155.9	165.6	156.9	145.0	131.5	120.9	111.6
72.5°	64.9	74.3	86.6	105.7	125.9	136.3	133.3	124.7	113.7	105.0	96.2
75°	48.9	51.7	60.1	73.0	88.8	97.7	100.0	95.5	86.8	80.1	74.9
77.5°	36.2	37.9	41.8	48.6	58.9	66.9	70.3	69.7	63.7	59.8	55.0
80°	28.9	29.9	31.9	34.7	42.4	50.5	52.7	52.7	48.6	46.9	42.1
82.5°	22.0	22.7	23.8	25.5	29.1	36.1	38.6	39.1	36.4	34.4	30.6
85°	12.6	12.2	12.8	13.9	14.5	16.4	20.2	20.9	20.2	17.7	16.7
87.5°	7.8	7.7	7.3	6.6	6.4	6.1	6.9	7.7	7.1	6.9	6.9
90°	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0	3.6	6.2	8.8
92.5°	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3	21.0	20.8	20.6
95°	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4	60.7	53.0	45.3
97.5°	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9	114.1	92.3	70.6
100°	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4	154.4	122.3	90.2
102.5°	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0	235.2	228.4	221.7
105°	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2	327.2	334.2	341.2
107.5°	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3	414.9	420.6	426.3
110°	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3



TEST NUMBER: P331797-935

CATALOG NUMBER: S122RDIW-S485D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5	524.9	529.2	533.6
115°	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6	609.6	613.5	617.5
117.5°	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7	686.1	690.5	695.0
120°	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3	740.8	744.2	747.8
122.5°	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5	788.2	791.9	795.6
125°	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4	924.7	928.1	931.5
130°	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7	966.4	970.2	973.9
132.5°	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8	1008.0	1011.2	1014.3
135°	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5	1063.2	1067.0	1070.7
137.5°	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9	1117.6	1120.2	1122.8
140°	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2	1153.1	1154.9	1156.8
142.5°	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6	1183.2	1184.9	1186.5
145°	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1	1228.9	1228.6	1228.4
147.5°	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6	1269.7	1268.9	1267.9
150°	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6	1296.0	1294.3	1292.6
152.5°	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3	1318.5	1316.6	1314.8
155°	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4	1351.3	1349.2	1347.0
157.5°	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3	1377.5	1375.7	1374.0
160°	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1393.1	1391.6	1390.3
162.5°	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0	1406.5	1405.2	1403.8
165°	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1	1424.7	1423.2	1421.9
167.5°	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6	1438.1	1436.8	1435.4
170°	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2	1445.7	1444.3	1442.9
172.5°	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2	1450.8	1449.4	1447.9
175°	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7	1457.1	1455.4	1453.8
177.5°	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7	1458.4	1457.2	1455.9
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CATALOG NUMBER: S122RDIW-S485D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	912.2	910.4	907.1	902.0	898.9	893.5	889.8	891.9	892.4	891.9	891.4
5°	887.8	881.0	871.7	862.6	854.3	845.3	840.2	837.9	833.4	830.9	829.6
7.5°	858.1	846.4	833.3	817.6	804.3	790.3	783.2	779.6	770.4	765.4	761.0
10°	835.9	817.6	804.4	783.9	771.4	753.0	740.5	740.8	728.2	721.2	716.0
12.5°	811.6	791.4	769.5	751.0	733.6	718.8	703.7	697.6	684.2	677.4	663.6
15°	771.0	747.5	724.4	699.3	681.7	658.8	637.0	610.3	588.8	570.1	564.9
17.5°	726.8	697.8	674.5	645.1	614.8	576.4	551.0	535.5	522.5	512.7	505.4
20°	696.5	666.8	642.1	597.7	556.9	530.8	512.2	500.3	486.8	476.2	470.4
22.5°	664.5	633.7	599.9	550.4	518.6	497.7	481.0	467.4	458.2	450.0	444.7
25°	619.2	585.5	529.9	495.8	470.1	448.2	436.6	428.3	418.6	407.3	402.3
27.5°	571.4	517.7	477.8	452.5	427.9	413.7	403.3	390.8	382.2	377.1	371.8
30°	535.6	482.0	450.8	423.1	405.8	390.0	377.8	370.7	362.4	353.7	350.2
32.5°	495.8	452.9	423.0	400.0	382.4	368.9	359.3	347.8	341.8	336.5	329.1
35°	446.3	413.8	386.5	367.8	351.1	340.2	328.9	322.2	311.3	306.8	303.8
37.5°	404.3	376.2	355.8	336.1	322.9	310.8	303.9	293.2	288.4	282.1	276.0
40°	380.6	353.0	333.5	317.4	302.6	293.5	284.9	276.2	269.1	266.2	258.8
42.5°	356.5	334.0	314.4	296.8	286.9	277.3	266.4	260.0	252.6	248.0	243.4
45°	323.1	303.2	286.5	272.0	261.1	251.2	244.0	233.4	229.3	219.9	216.0
47.5°	293.8	275.3	259.3	245.6	234.9	228.4	218.1	209.7	203.1	197.3	192.4
50°	272.9	257.5	242.1	229.9	220.2	210.9	200.4	196.1	185.8	183.0	180.0
52.5°	253.9	239.3	225.2	213.2	203.5	194.5	185.1	179.7	172.7	169.8	167.7
55°	227.3	213.2	199.7	189.1	179.4	170.0	164.3	157.6	154.3	152.1	149.5
57.5°	200.5	187.9	177.5	166.8	157.0	149.6	142.9	138.9	135.5	132.6	129.5
60°	183.6	171.3	162.0	152.1	142.2	136.0	130.9	126.1	122.2	117.7	116.4
62.5°	165.6	154.9	146.4	136.6	127.9	122.3	117.5	113.0	108.3	101.8	100.0
65°	140.9	132.5	123.5	115.5	107.7	102.3	95.1	90.1	88.1	87.5	87.1
67.5°	118.5	110.6	102.8	94.6	87.6	82.5	78.9	78.1	76.8	76.4	75.5
70°	103.5	96.2	88.4	80.7	74.0	73.0	71.7	70.4	68.8	68.2	67.5
72.5°	90.1	82.5	74.8	68.6	65.7	64.5	63.2	61.9	60.9	60.2	59.8
75°	69.1	62.1	56.9	54.7	53.0	52.1	50.2	49.2	48.6	47.6	47.3
77.5°	49.8	45.8	43.4	42.0	40.3	39.3	38.2	37.2	36.5	36.3	35.8
80°	38.0	36.0	34.4	32.5	31.9	30.6	30.2	29.3	29.6	28.6	28.6
82.5°	29.4	27.0	25.7	24.8	24.1	23.1	22.7	22.3	22.4	21.7	21.7
85°	15.2	14.5	13.9	13.2	13.2	12.2	12.6	12.2	12.2	11.5	11.3
87.5°	7.1	7.3	7.2	7.6	7.9	8.1	8.3	8.3	8.5	8.8	8.7
90°	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4	24.5	25.7	26.6
92.5°	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7	26.3	26.9	27.3
95°	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4	44.6	45.7	46.2
97.5°	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8	57.8	58.7	59.3
100°	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8	65.6	67.5	68.7
102.5°	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6	69.1	71.5	73.0
105°	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4	72.0	74.6	76.3
107.5°	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7	82.1	79.5	78.6
110°	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5	114.1	90.7	79.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1	208.8	123.4	81.0
115°	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4	153.8
117.5°	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4	641.1	614.9	574.1
120°	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7	780.4	783.3	768.9
122.5°	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1	826.8	828.5	826.2
125°	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3	894.9	896.6	897.7
127.5°	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2	958.6	961.0	962.3
130°	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3	998.8	1001.3	1002.5
132.5°	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1	1037.2	1039.5	1040.4
135°	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5	1092.9	1095.3	1096.1
137.5°	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0	1144.4	1146.7	1147.4
140°	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4	1177.5	1179.7	1180.1
142.5°	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2	1208.2	1210.0	1210.4
145°	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2	1250.9	1252.5	1252.8
147.5°	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8	1288.0	1289.2	1289.3
150°	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8	1311.3	1312.7	1312.8
152.5°	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9	1332.3	1333.8	1333.7
155°	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3	1360.8	1362.2	1361.9
157.5°	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4	1384.9	1386.6	1386.4
160°	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3	1398.7	1400.1	1400.0
162.5°	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3	1411.9	1413.5	1413.2
165°	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4
167.5°	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4	1441.1	1442.7	1442.5
170°	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2	1447.9	1449.5	1449.2
172.5°	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2	1452.9	1454.5	1454.3
175°	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7	1458.4	1460.0	1459.7
177.5°	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3	1458.6	1460.0	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331797-935

CATALOG NUMBER: S122RDIW-S485D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	888.6	889.1	888.3	888.8	888.3	889.1	888.6	891.4	891.9	892.4	891.9
5°	827.9	824.1	823.5	822.5	823.5	824.1	827.9	829.6	830.9	833.4	837.9
7.5°	755.5	754.9	753.4	751.1	753.4	754.9	755.5	761.0	765.4	770.4	779.6
10°	708.9	707.4	707.1	704.8	707.1	707.4	708.9	716.0	721.2	728.2	740.8
12.5°	654.4	644.1	643.0	637.4	643.0	644.1	654.4	663.6	677.4	684.2	697.6
15°	557.2	555.3	548.9	544.7	548.9	555.3	557.2	564.9	570.1	588.8	610.3
17.5°	501.6	495.3	493.4	492.5	493.4	495.3	501.6	505.4	512.7	522.5	535.5
20°	465.9	460.1	459.2	458.5	459.2	460.1	465.9	470.4	476.2	486.8	500.3
22.5°	441.2	435.1	432.7	430.8	432.7	435.1	441.2	444.7	450.0	458.2	467.4
25°	399.0	396.7	395.5	394.9	395.5	396.7	399.0	402.3	407.3	418.6	428.3
27.5°	366.0	361.1	360.1	358.4	360.1	361.1	366.0	371.8	377.1	382.2	390.8
30°	347.2	345.6	343.4	341.5	343.4	345.6	347.2	350.2	353.7	362.4	370.7
32.5°	325.1	323.8	321.8	320.9	321.8	323.8	325.1	329.1	336.5	341.8	347.8
35°	300.7	296.1	294.2	291.3	294.2	296.1	300.7	303.8	306.8	311.3	322.2
37.5°	274.7	272.3	269.7	270.6	269.7	272.3	274.7	276.0	282.1	288.4	293.2
40°	254.7	253.0	252.4	252.1	252.4	253.0	254.7	258.8	266.2	269.1	276.2
42.5°	238.7	234.3	232.6	232.6	232.6	234.3	238.7	243.4	248.0	252.6	260.0
45°	214.5	210.3	207.4	207.7	207.4	210.3	214.5	216.0	219.9	229.3	233.4
47.5°	189.7	189.5	187.7	188.3	187.7	189.5	189.7	192.4	197.3	203.1	209.7
50°	177.8	175.9	174.6	174.9	174.6	175.9	177.8	180.0	183.0	185.8	196.1
52.5°	166.5	164.8	163.8	165.1	163.8	164.8	166.5	167.7	169.8	172.7	179.7
55°	147.9	145.9	145.7	145.3	145.7	145.9	147.9	149.5	152.1	154.3	157.6
57.5°	127.2	125.9	123.9	123.1	123.9	125.9	127.2	129.5	132.6	135.5	138.9
60°	112.2	109.6	106.4	106.1	106.4	109.6	112.2	116.4	117.7	122.2	126.1
62.5°	98.6	98.1	97.5	97.4	97.5	98.1	98.6	100.0	101.8	108.3	113.0
65°	86.5	86.2	86.5	86.8	86.5	86.2	86.5	87.1	87.5	88.1	90.1
67.5°	75.3	74.8	74.2	74.5	74.2	74.8	75.3	75.5	76.4	76.8	78.1
70°	66.9	66.6	66.2	66.2	66.2	66.6	66.9	67.5	68.2	68.8	70.4
72.5°	58.6	58.5	58.3	58.0	58.3	58.5	58.6	59.8	60.2	60.9	61.9
75°	46.9	46.3	46.3	46.3	46.3	46.3	46.9	47.3	47.6	48.6	49.2
77.5°	35.7	35.5	35.1	34.9	35.1	35.5	35.7	35.8	36.3	36.5	37.2
80°	28.3	28.0	27.6	27.6	27.6	28.0	28.3	28.6	28.6	29.6	29.3
82.5°	21.6	21.3	21.2	20.9	21.2	21.3	21.6	21.7	21.7	22.4	22.3
85°	11.5	11.9	11.5	12.2	11.5	11.9	11.5	11.3	11.5	12.2	12.2
87.5°	8.8	8.6	9.0	8.8	9.0	8.6	8.8	8.7	8.8	8.5	8.3
90°	27.0	27.5	28.0	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4
92.5°	27.6	27.9	28.2	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7
95°	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4
97.5°	59.6	59.9	60.2	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8
100°	69.1	69.7	70.1	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8
102.5°	73.6	74.3	75.0	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6
105°	77.2	78.2	79.1	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4
107.5°	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7
110°	80.4	81.4	82.3	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5



TEST NUMBER: P331797-935

CATALOG NUMBER: S122RDIW-S485D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	81.8	82.6	83.3	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1
115°	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1
117.5°	518.8	463.4	408.0	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4
120°	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7
122.5°	820.1	814.0	807.9	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1
125°	898.4	899.1	899.8	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3
127.5°	962.4	962.6	962.7	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2
130°	1002.3	1002.1	1001.9	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3
132.5°	1040.3	1040.0	1039.7	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1
135°	1095.7	1095.3	1094.8	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5
137.5°	1146.6	1145.8	1145.0	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0
140°	1178.9	1177.8	1176.6	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4
142.5°	1209.3	1208.1	1206.9	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2
145°	1251.5	1250.4	1249.2	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2
147.5°	1288.3	1287.3	1286.3	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8
150°	1311.6	1310.4	1309.2	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8
152.5°	1332.1	1330.6	1329.0	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9
155°	1360.0	1358.2	1356.3	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3
157.5°	1384.6	1382.8	1381.0	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4
160°	1398.4	1396.7	1395.1	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3
162.5°	1411.3	1409.2	1407.2	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3
165°	1427.8	1426.2	1424.5	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2
167.5°	1440.4	1438.3	1436.1	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4
170°	1447.2	1445.0	1442.9	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2
172.5°	1452.2	1450.1	1447.9	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2
175°	1457.3	1455.0	1452.6	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7
177.5°	1458.1	1456.4	1454.7	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331797-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	889.8	893.5	898.9	902.0	907.1	910.4	912.2	915.6	917.4	923.9	930.5
5°	840.2	845.3	854.3	862.6	871.7	881.0	887.8	895.4	902.5	914.7	927.6
7.5°	783.2	790.3	804.3	817.6	833.3	846.4	858.1	871.2	883.0	900.5	918.8
10°	740.5	753.0	771.4	783.9	804.4	817.6	835.9	850.4	866.9	890.0	910.6
12.5°	703.7	718.8	733.6	751.0	769.5	791.4	811.6	830.1	849.6	873.6	897.7
15°	637.0	658.8	681.7	699.3	724.4	747.5	771.0	796.1	819.9	848.5	880.0
17.5°	551.0	576.4	614.8	645.1	674.5	697.8	726.8	757.2	785.1	819.7	854.7
20°	512.2	530.8	556.9	597.7	642.1	666.8	696.5	729.9	762.0	799.6	837.2
22.5°	481.0	497.7	518.6	550.4	599.9	633.7	664.5	698.5	735.8	774.2	815.9
25°	436.6	448.2	470.1	495.8	529.9	585.5	619.2	653.3	693.9	735.0	782.6
27.5°	403.3	413.7	427.9	452.5	477.8	517.7	571.4	608.6	648.9	695.3	744.7
30°	377.8	390.0	405.8	423.1	450.8	482.0	535.6	578.8	618.6	666.2	718.9
32.5°	359.3	368.9	382.4	400.0	423.0	452.9	495.8	548.1	586.9	637.1	692.2
35°	328.9	340.2	351.1	367.8	386.5	413.8	446.3	502.2	540.8	590.3	645.7
37.5°	303.9	310.8	322.9	336.1	355.8	376.2	404.3	454.5	496.3	544.8	601.5
40°	284.9	293.5	302.6	317.4	333.5	353.0	380.6	418.0	465.9	513.5	568.8
42.5°	266.4	277.3	286.9	296.8	314.4	334.0	356.5	388.1	437.0	482.1	535.9
45°	244.0	251.2	261.1	272.0	286.5	303.2	323.1	350.8	397.7	436.6	487.2
47.5°	218.1	228.4	234.9	245.6	259.3	275.3	293.8	317.7	355.8	392.2	439.0
50°	200.4	210.9	220.2	229.9	242.1	257.5	272.9	296.1	326.7	365.0	408.6
52.5°	185.1	194.5	203.5	213.2	225.2	239.3	253.9	274.2	300.4	335.6	378.1
55°	164.3	170.0	179.4	189.1	199.7	213.2	227.3	244.4	266.9	296.4	330.9
57.5°	142.9	149.6	157.0	166.8	177.5	187.9	200.5	216.0	233.8	260.5	290.0
60°	130.9	136.0	142.2	152.1	162.0	171.3	183.6	196.5	213.2	236.3	261.4
62.5°	117.5	122.3	127.9	136.6	146.4	154.9	165.6	179.3	193.4	214.5	236.4
65°	95.1	102.3	107.7	115.5	123.5	132.5	140.9	151.8	164.3	181.0	200.6
67.5°	78.9	82.5	87.6	94.6	102.8	110.6	118.5	127.0	137.8	150.8	166.3
70°	71.7	73.0	74.0	80.7	88.4	96.2	103.5	111.6	120.9	131.5	145.0
72.5°	63.2	64.5	65.7	68.6	74.8	82.5	90.1	96.2	105.0	113.7	124.7
75°	50.2	52.1	53.0	54.7	56.9	62.1	69.1	74.9	80.1	86.8	95.5
77.5°	38.2	39.3	40.3	42.0	43.4	45.8	49.8	55.0	59.8	63.7	69.7
80°	30.2	30.6	31.9	32.5	34.4	36.0	38.0	42.1	46.9	48.6	52.7
82.5°	22.7	23.1	24.1	24.8	25.7	27.0	29.4	30.6	34.4	36.4	39.1
85°	12.6	12.2	13.2	13.2	13.9	14.5	15.2	16.7	17.7	20.2	20.9
87.5°	8.3	8.1	7.9	7.6	7.2	7.3	7.1	6.9	6.9	7.1	7.7
90°	22.2	21.1	19.2	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0
92.5°	25.1	24.5	23.5	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3
95°	42.3	41.1	39.4	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4
97.5°	55.9	55.0	51.2	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9
100°	61.9	60.0	56.1	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4
102.5°	64.1	61.7	95.0	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0
105°	66.8	64.2	128.1	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2
107.5°	87.3	90.0	166.6	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3
110°	160.9	184.3	251.9	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.5	464.9	481.6	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5
115°	541.5	649.9	644.0	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6
117.5°	693.5	719.8	715.7	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7
120°	774.8	772.0	767.8	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3
122.5°	823.4	821.7	817.2	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5
125°	891.7	890.0	885.5	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3
127.5°	953.9	951.5	948.1	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4
130°	993.7	991.1	988.5	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7
132.5°	1032.9	1030.7	1028.1	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8
135°	1088.2	1085.9	1083.7	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5
137.5°	1139.8	1137.5	1135.1	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9
140°	1173.3	1171.2	1168.6	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2
142.5°	1204.3	1202.4	1199.4	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6
145°	1247.6	1246.0	1242.0	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1
147.5°	1285.6	1284.3	1280.4	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6
150°	1308.5	1307.1	1303.3	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6
152.5°	1329.6	1328.1	1324.6	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3
155°	1358.0	1356.6	1353.8	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4
157.5°	1381.7	1380.2	1378.2	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3
160°	1395.9	1394.5	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5
162.5°	1408.7	1407.1	1405.9	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0
165°	1424.5	1422.9	1422.2	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1
167.5°	1437.8	1436.1	1435.5	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6
170°	1444.6	1442.9	1442.4	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2
172.5°	1449.6	1447.9	1447.5	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2
175°	1455.1	1453.5	1453.0	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7
177.5°	1456.0	1454.7	1454.5	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	930.7	931.5	936.7	939.0	943.7	945.5	947.4	946.9	946.9	948.0	955.2
5°	932.7	939.2	948.8	958.1	967.2	974.9	980.0	985.2	987.1	996.4	1004.8
7.5°	929.4	941.2	957.2	971.4	988.4	1001.8	1012.8	1022.8	1029.6	1043.2	1057.0
10°	925.1	941.8	959.8	978.1	1001.6	1019.3	1037.2	1051.1	1055.6	1075.8	1087.4
12.5°	916.3	938.7	961.6	985.3	1008.2	1032.6	1052.4	1066.3	1082.1	1100.3	1121.6
15°	903.2	928.9	958.8	989.4	1022.2	1051.7	1073.0	1097.1	1114.4	1134.4	1153.0
17.5°	884.3	917.5	955.5	990.8	1028.7	1060.5	1089.8	1112.8	1125.1	1136.4	1139.3
20°	869.4	905.1	949.8	991.6	1029.5	1066.2	1095.1	1114.4	1117.7	1117.9	1100.9
22.5°	853.3	893.5	940.3	983.1	1028.5	1069.3	1091.7	1100.0	1087.3	1065.5	1032.5
25°	823.5	870.0	924.4	973.3	1022.8	1061.4	1069.1	1054.6	1010.0	962.9	903.5
27.5°	791.2	843.5	901.8	956.1	1008.9	1032.9	1016.2	964.0	883.5	813.6	728.8
30°	767.5	826.3	883.6	944.3	993.2	1003.5	965.3	888.4	794.5	689.1	604.5
32.5°	740.5	802.1	865.0	927.9	968.8	958.7	895.5	800.9	690.9	587.2	507.2
35°	701.9	765.6	833.4	896.4	922.5	879.1	784.5	661.4	548.9	452.1	397.1
37.5°	657.4	726.7	797.2	855.1	853.3	780.8	652.1	525.0	430.4	373.2	334.0
40°	625.7	695.8	772.0	820.9	800.0	705.8	566.2	446.3	377.1	331.5	302.9
42.5°	595.4	665.7	741.4	780.2	743.9	628.1	489.0	395.1	338.0	302.5	279.2
45°	543.7	617.9	688.1	709.6	644.6	517.0	395.5	327.4	289.4	263.0	246.9
47.5°	493.3	566.3	630.3	630.7	542.8	419.3	333.6	283.3	250.9	230.5	218.8
50°	462.4	531.8	585.5	577.1	477.5	373.0	298.3	254.9	228.0	212.2	200.0
52.5°	427.7	495.0	541.5	517.7	422.1	328.2	266.7	230.3	207.9	194.2	183.3
55°	377.1	437.0	469.8	433.8	344.4	272.9	225.4	196.7	180.0	168.5	159.2
57.5°	327.6	376.9	397.5	355.6	283.6	226.4	190.6	169.2	152.6	144.3	139.5
60°	296.4	338.5	353.0	306.8	246.6	198.0	168.8	148.9	136.6	131.2	126.4
62.5°	265.9	300.2	306.3	263.8	215.0	173.4	148.3	131.4	123.3	118.0	113.5
65°	220.6	245.3	242.5	208.4	170.0	137.6	119.2	109.0	102.9	95.5	87.5
67.5°	181.6	196.7	187.6	162.0	129.8	106.9	95.0	87.2	79.6	72.6	70.8
70°	156.9	165.6	155.9	132.5	106.4	89.7	80.1	70.8	66.2	64.7	61.7
72.5°	133.3	136.3	125.9	105.7	86.6	74.3	64.9	59.7	57.3	55.9	54.0
75°	100.0	97.7	88.8	73.0	60.1	51.7	48.9	46.9	45.4	44.1	43.0
77.5°	70.3	66.9	58.9	48.6	41.8	37.9	36.2	35.1	34.4	33.7	32.7
80°	52.7	50.5	42.4	34.7	31.9	29.9	28.9	27.6	27.6	27.0	26.0
82.5°	38.6	36.1	29.1	25.5	23.8	22.7	22.0	21.2	20.9	21.1	20.4
85°	20.2	16.4	14.5	13.9	12.8	12.2	12.6	11.9	11.9	11.9	11.5
87.5°	6.9	6.1	6.4	6.6	7.3	7.7	7.8	8.2	8.9	8.8	9.3
90°	3.6	6.2	8.8	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4
92.5°	21.0	20.8	20.6	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7
95°	60.7	53.0	45.3	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4
97.5°	114.1	92.3	70.6	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8
100°	154.4	122.3	90.2	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8
102.5°	235.2	228.4	221.7	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6
105°	327.2	334.2	341.2	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4
107.5°	414.9	420.6	426.3	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7
110°	471.5	476.4	481.3	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	524.9	529.2	533.6	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1
115°	609.6	613.5	617.5	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1
117.5°	686.1	690.5	695.0	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4
120°	740.8	744.2	747.8	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7
122.5°	788.2	791.9	795.6	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1
125°	859.3	862.4	865.4	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3
127.5°	924.7	928.1	931.5	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2
130°	966.4	970.2	973.9	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3
132.5°	1008.0	1011.2	1014.3	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1
135°	1063.2	1067.0	1070.7	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5
137.5°	1117.6	1120.2	1122.8	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0
140°	1153.1	1154.9	1156.8	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4
142.5°	1183.2	1184.9	1186.5	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2
145°	1228.9	1228.6	1228.4	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2
147.5°	1269.7	1268.9	1267.9	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8
150°	1296.0	1294.3	1292.6	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8
152.5°	1318.5	1316.6	1314.8	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9
155°	1351.3	1349.2	1347.0	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3
157.5°	1377.5	1375.7	1374.0	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4
160°	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3
162.5°	1406.5	1405.2	1403.8	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3
165°	1424.7	1423.2	1421.9	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2
167.5°	1438.1	1436.8	1435.4	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4
170°	1445.7	1444.3	1442.9	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2
172.5°	1450.8	1449.4	1447.9	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2
175°	1457.1	1455.4	1453.8	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7
177.5°	1458.4	1457.2	1455.9	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	957.8	961.1	962.7	962.7	964.5	963.7	962.9
5°	1012.8	1018.9	1020.2	1026.0	1030.2	1028.9	1029.5
7.5°	1067.6	1077.4	1087.1	1091.5	1092.3	1094.8	1095.8
10°	1101.2	1109.3	1124.4	1122.1	1133.4	1139.8	1129.2
12.5°	1133.7	1144.5	1155.0	1157.9	1164.2	1166.3	1162.1
15°	1163.0	1168.7	1169.4	1167.8	1169.8	1168.1	1162.0
17.5°	1135.6	1126.2	1107.2	1098.1	1091.0	1080.5	1076.2
20°	1090.3	1062.6	1030.5	1017.6	1002.5	972.9	980.0
22.5°	992.6	961.0	928.9	891.3	873.4	845.3	843.7
25°	840.5	786.2	726.3	684.5	660.1	632.1	619.9
27.5°	653.5	585.0	536.1	511.3	488.6	466.5	465.5
30°	530.5	479.1	441.2	419.9	406.1	396.7	398.7
32.5°	447.2	411.9	386.3	368.8	358.5	351.5	351.4
35°	365.6	341.5	325.0	317.7	310.3	305.1	305.5
37.5°	312.9	298.3	289.2	281.1	276.5	274.0	272.5
40°	285.9	274.0	266.9	262.1	258.2	254.7	254.0
42.5°	264.5	254.7	247.5	243.7	240.2	237.6	237.0
45°	234.7	226.7	220.2	216.0	214.5	212.2	212.2
47.5°	208.8	200.9	195.9	193.2	190.5	189.0	188.9
50°	191.3	185.2	180.7	179.1	176.8	175.9	175.6
52.5°	175.6	171.1	167.8	166.8	165.7	164.5	164.7
55°	154.3	151.8	150.5	149.5	147.9	145.9	147.2
57.5°	136.4	134.2	130.7	127.7	126.2	124.8	125.4
60°	123.8	119.2	114.8	111.2	110.3	107.4	107.4
62.5°	107.9	101.5	96.0	94.0	93.1	91.7	91.4
65°	82.9	80.4	79.1	77.8	77.1	77.1	76.5
67.5°	68.7	67.7	66.3	66.0	65.3	65.2	64.9
70°	60.8	59.5	58.8	58.5	57.9	58.2	57.3
72.5°	53.0	52.0	51.9	51.1	50.7	50.7	50.0
75°	41.8	41.8	41.5	41.2	40.6	40.2	40.6
77.5°	32.1	32.2	31.6	31.6	31.5	31.6	31.3
80°	25.7	26.0	25.7	25.4	25.1	25.4	25.1
82.5°	20.3	19.9	19.8	19.7	19.7	19.5	19.5
85°	11.5	11.9	11.5	11.3	11.3	11.3	11.5
87.5°	9.3	9.6	9.6	9.8	9.9	10.0	9.8
90°	24.5	25.7	26.6	27.0	27.5	28.0	28.4
92.5°	26.3	26.9	27.3	27.6	27.9	28.2	28.4
95°	44.6	45.7	46.2	46.0	45.7	45.5	45.3
97.5°	57.8	58.7	59.3	59.6	59.9	60.2	60.4
100°	65.6	67.5	68.7	69.1	69.7	70.1	70.6
102.5°	69.1	71.5	73.0	73.6	74.3	75.0	75.6
105°	72.0	74.6	76.3	77.2	78.2	79.1	80.1
107.5°	82.1	79.5	78.6	79.6	80.5	81.5	82.4
110°	114.1	90.7	79.5	80.4	81.4	82.3	83.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	208.8	123.4	81.0	81.8	82.6	83.3	84.0
115°	324.8	216.4	153.8	136.9	120.1	103.2	86.4
117.5°	641.1	614.9	574.1	518.8	463.4	408.0	352.6
120°	780.4	783.3	768.9	737.3	705.7	674.1	642.5
122.5°	826.8	828.5	826.2	820.1	814.0	807.9	801.7
125°	894.9	896.6	897.7	898.4	899.1	899.8	900.5
127.5°	958.6	961.0	962.3	962.4	962.6	962.7	962.9
130°	998.8	1001.3	1002.5	1002.3	1002.1	1001.9	1001.6
132.5°	1037.2	1039.5	1040.4	1040.3	1040.0	1039.7	1039.6
135°	1092.9	1095.3	1096.1	1095.7	1095.3	1094.8	1094.3
137.5°	1144.4	1146.7	1147.4	1146.6	1145.8	1145.0	1144.2
140°	1177.5	1179.7	1180.1	1178.9	1177.8	1176.6	1175.4
142.5°	1208.2	1210.0	1210.4	1209.3	1208.1	1206.9	1205.7
145°	1250.9	1252.5	1252.8	1251.5	1250.4	1249.2	1248.1
147.5°	1288.0	1289.2	1289.3	1288.3	1287.3	1286.3	1285.4
150°	1311.3	1312.7	1312.8	1311.6	1310.4	1309.2	1308.1
152.5°	1332.3	1333.8	1333.7	1332.1	1330.6	1329.0	1327.5
155°	1360.8	1362.2	1361.9	1360.0	1358.2	1356.3	1354.4
157.5°	1384.9	1386.6	1386.4	1384.6	1382.8	1381.0	1379.1
160°	1398.7	1400.1	1400.0	1398.4	1396.7	1395.1	1393.4
162.5°	1411.9	1413.5	1413.2	1411.3	1409.2	1407.2	1405.2
165°	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9
167.5°	1441.1	1442.7	1442.5	1440.4	1438.3	1436.1	1434.1
170°	1447.9	1449.5	1449.2	1447.2	1445.0	1442.9	1440.8
172.5°	1452.9	1454.5	1454.3	1452.2	1450.1	1447.9	1445.9
175°	1458.4	1460.0	1459.7	1457.3	1455.0	1452.6	1450.3
177.5°	1458.6	1460.0	1459.7	1458.1	1456.4	1454.7	1453.0
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5

(END OF REPORT)