

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: P331802-940

Luminaire Tested: **S122RDIW-S485D1440U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331802-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S485D1440U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

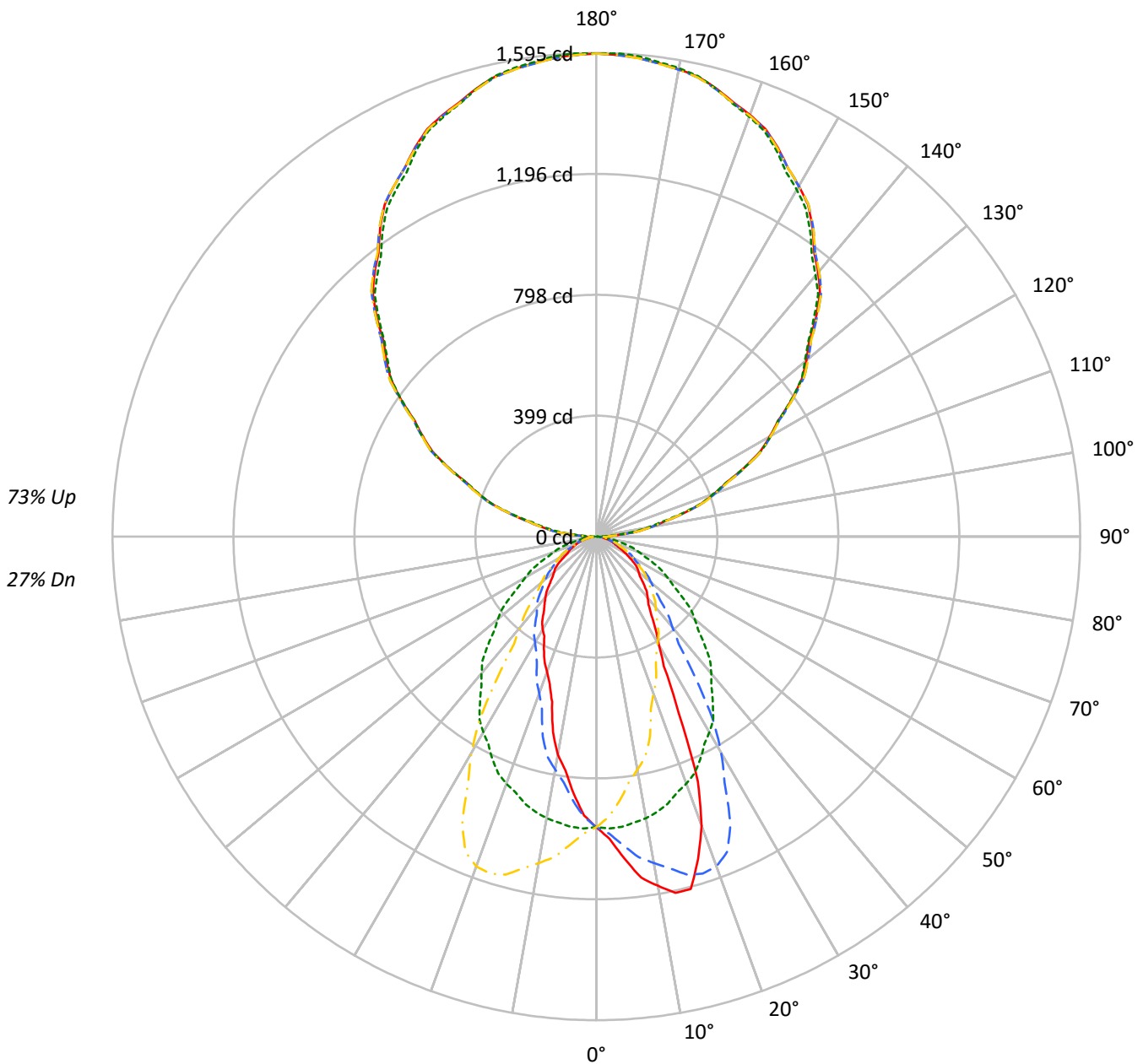
Lumens per Lamp: N/A  
Luminaire Lumens: 6117.0 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (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



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	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	30	24
2	85	78	73	68	76	70	65	61	55	52	49	41	39	37	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	21	20	16
5	66	55	47	42	59	49	43	38	39	35	31	30	27	24	21	19	18	14
6	60	49	42	36	54	44	38	33	35	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	11
8	52	40	33	28	46	37	30	26	29	25	22	23	20	17	16	14	13	10
9	48	37	30	25	43	33	27	23	27	22	19	21	18	16	15	13	12	10
10	45	34	27	22	40	31	25	21	25	20	17	19	16	14	14	12	11	9

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

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	1.5
10°-20°	253.1	4.1
20°-30°	326.2	5.3
30°-40°	310.0	5.1
40°-50°	265.6	4.3
50°-60°	202.2	3.3
60°-70°	127.8	2.1
70°-80°	63.8	1.0
80°-90°	23.0	0.4
90°-100°	100.9	1.7
100°-110°	313.5	5.1
110°-120°	535.9	8.8
120°-130°	704.7	11.5
130°-140°	791.0	12.9
140°-150°	775.6	12.7
150°-160°	650.5	10.6
160°-170°	431.5	7.1
170°-180°	150.8	2.5
0°-30°	670.2	11.0
0°-40°	980.2	16.0
0°-60°	1448.0	23.7
0°-90°	1662.6	27.2
90°-120°	950.3	15.5
90°-150°	3221.6	52.7
90°-180°	4454.0	72.8
0°-180°	6117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	14
90°	46	1	46	1	46	20
95°	83	70	83	70	83	93
105°	298	289	298	289	298	314
115°	538	538	538	538	538	531
125°	785	782	785	782	785	700
135°	1024	1012	1024	1012	1024	789
145°	1242	1229	1242	1229	1242	776
155°	1416	1405	1416	1405	1416	651
165°	1530	1528	1530	1528	1530	431
175°	1585	1590	1585	1590	1585	151
180°	1593	1593	1593	1593	1593	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	13.4	13.6	13.6	13.5	13.5	13.5	13.6	14.0	13.8	14.2	12.7
90°	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8	46.5	47.1	40.5
92.5°	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0	42.9	42.7	41.2
95°	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1	86.1	86.1	85.4
97.5°	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6	144.6	144.6	143.5
100°	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5	185.5	185.5	184.6
102.5°	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1	229.9	229.6	228.5
105°	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9	296.3	295.8	295.2
107.5°	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1	368.8	368.6	368.6
110°	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2	467.9	468.6	468.9
115°	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5	542.8	543.1	543.7
117.5°	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4	616.1	616.8	618.4
120°	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1	664.1	664.1	666.5
122.5°	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3	715.0	715.7	717.4
125°	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6	789.5	790.4	791.4
127.5°	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9	861.9	863.1	864.2
130°	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3	910.9	911.4	912.0
132.5°	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3	959.6	960.9	960.8
135°	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1	1029.5	1029.7	1029.1
137.5°	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0	1097.3	1097.5	1096.7
140°	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6	1142.6	1142.6	1141.2
142.5°	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0	1183.7	1183.6	1182.5
145°	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8	1246.4	1246.2	1244.4
147.5°	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8	1301.2	1300.5	1299.3
150°	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9	1333.7
152.5°	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3	1367.9
155°	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9	1414.3	1412.8	1411.9
157.5°	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7	1454.6	1452.7	1452.2
160°	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0	1479.2	1477.4	1477.1
162.5°	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0	1500.9	1498.9	1498.6
165°	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3	1529.2	1527.1	1527.1
167.5°	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7	1552.6	1550.5	1550.6
170°	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6	1565.5	1563.4	1563.7
172.5°	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3	1575.2	1573.1	1573.4
175°	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8	1585.7	1583.6	1584.2
177.5°	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7	1590.3
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	11.3	10.3	8.9	7.7	7.2	6.8	7.4	8.0	7.7	7.6	7.8
90°	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3	4.9	8.5	12.1
92.5°	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9	26.6	29.2	31.8
95°	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9	72.9	75.9	78.8
97.5°	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7	130.4	133.0	135.6
100°	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8	173.1	175.5	177.9
102.5°	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9	217.8	219.7	221.6
105°	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0	289.9	290.8	291.7
107.5°	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7	364.0	365.3	366.7
110°	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0	411.8	413.6	415.4





TEST NUMBER: P331802-940

CATALOG NUMBER: S122RDIW-S485D1440U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6	463.4	465.2	467.0
115°	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7	539.5	541.3	543.1
117.5°	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6	615.9	618.3	620.7
120°	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	666.5	668.9	671.3
122.5°	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3	713.2	716.0	718.9
125°	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4	785.1	787.7	790.4
127.5°	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6	856.0	859.3	862.8
130°	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6	900.5	904.5	908.3
132.5°	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1	949.3	952.4	955.6
135°	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3	1015.6	1018.9	1022.1
137.5°	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9	1084.6	1087.3	1089.9
140°	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8	1126.5	1129.3	1131.9
142.5°	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9	1169.6	1172.2	1174.9
145°	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7	1230.8	1232.9	1234.9
147.5°	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8	1286.3	1288.8	1291.4
150°	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4	1323.2	1325.1	1326.9
152.5°	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8	1356.6	1358.3	1360.1
155°	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8	1405.7	1406.6	1407.5
157.5°	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5	1448.1	1448.8	1449.4
160°	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4	1474.0	1474.5	1475.2
162.5°	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0	1497.2	1497.3	1497.4
165°	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5	1528.2	1527.9	1527.6
167.5°	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8	1553.9	1553.0	1552.1
170°	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8	1567.9	1567.0	1566.1
172.5°	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5	1577.6	1576.7	1575.8
175°	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3	1589.4	1588.5	1587.6
177.5°	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2	1594.5	1593.8	1593.0
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



TEST NUMBER: P331802-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	8.2	8.9	9.7	11.1	12.4	13.4	13.3	12.9	12.8	12.7	12.4
90°	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8	45.3	44.7	44.5
92.5°	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0	43.1	43.2	43.3
95°	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1	86.1	86.1	85.7
97.5°	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6	144.6	144.6	144.6
100°	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5	185.5	185.5	185.4
102.5°	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1	230.3	230.6	230.5
105°	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9	297.6	298.1	298.5
107.5°	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1	369.3	369.5	369.0
110°	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	417.6



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2	466.5	465.7	465.0
115°	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5	542.2	541.9	541.3
117.5°	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4	614.7	613.9	613.1
120°	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1	664.1	664.1	663.6
122.5°	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3	713.5	712.8	712.1
125°	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6	787.7	786.8	786.3
127.5°	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9	859.8	858.7	857.7
130°	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3	909.6	909.0	908.1
132.5°	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3	957.0	955.6	954.5
135°	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1	1028.9	1028.6	1028.0
137.5°	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0	1096.8	1096.5	1095.8
140°	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6	1142.6	1142.6	1142.1
142.5°	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0	1184.3	1184.5	1184.0
145°	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8	1247.1	1247.3	1246.9
147.5°	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8	1302.4	1303.1	1302.9
150°	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5
152.5°	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9
155°	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9	1417.4	1418.8	1419.2
157.5°	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7	1458.7	1460.8	1461.1
160°	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0	1482.7	1484.5	1484.9
162.5°	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0	1505.0	1507.0	1507.3
165°	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3	1533.4	1535.5	1535.8
167.5°	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7	1556.8	1558.9	1559.2
170°	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6	1569.7	1571.8	1571.9
172.5°	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3	1579.4	1581.4	1581.6
175°	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8	1589.8	1592.0	1592.1
177.5°	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	12.4	12.2	12.6	12.3	12.6	12.2	12.4	12.4	12.7	12.8	12.9
90°	44.9	45.1	45.4	45.7	45.4	45.1	44.9	44.5	44.7	45.3	45.8
92.5°	43.3	43.4	43.5	43.5	43.5	43.4	43.3	43.3	43.2	43.1	43.0
95°	85.2	84.5	83.9	83.4	83.9	84.5	85.2	85.7	86.1	86.1	86.1
97.5°	144.5	144.5	144.5	144.4	144.5	144.5	144.5	144.6	144.6	144.6	144.6
100°	185.0	184.8	184.5	184.1	184.5	184.8	185.0	185.4	185.5	185.5	185.5
102.5°	230.2	230.0	229.6	229.3	229.6	230.0	230.2	230.5	230.6	230.3	230.1
105°	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.5	298.1	297.6	296.9
107.5°	367.7	366.2	364.9	363.5	364.9	366.2	367.7	369.0	369.5	369.3	369.1
110°	416.7	415.8	414.9	414.0	414.9	415.8	416.7	417.6	418.1	418.1	418.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	464.4	463.8	463.1	462.4	463.1	463.8	464.4	465.0	465.7	466.5	467.2
115°	540.4	539.5	538.6	537.7	538.6	539.5	540.4	541.3	541.9	542.2	542.5
117.5°	612.2	611.3	610.4	609.5	610.4	611.3	612.2	613.1	613.9	614.7	615.4
120°	662.7	661.8	660.9	660.0	660.9	661.8	662.7	663.6	664.1	664.1	664.1
122.5°	711.5	710.9	710.2	709.5	710.2	710.9	711.5	712.1	712.8	713.5	714.3
125°	786.0	785.7	785.4	785.1	785.4	785.7	786.0	786.3	786.8	787.7	788.6
127.5°	856.8	855.8	854.9	853.9	854.9	855.8	856.8	857.7	858.7	859.8	860.9
130°	907.0	905.8	904.6	903.4	904.6	905.8	907.0	908.1	909.0	909.6	910.3
132.5°	953.6	952.6	951.6	950.7	951.6	952.6	953.6	954.5	955.6	957.0	958.3
135°	1027.1	1026.2	1025.3	1024.4	1025.3	1026.2	1027.1	1028.0	1028.6	1028.9	1029.1
137.5°	1094.7	1093.4	1092.3	1091.0	1092.3	1093.4	1094.7	1095.8	1096.5	1096.8	1097.0
140°	1140.9	1139.7	1138.4	1137.3	1138.4	1139.7	1140.9	1142.1	1142.6	1142.6	1142.6
142.5°	1182.9	1181.6	1180.4	1179.2	1180.4	1181.6	1182.9	1184.0	1184.5	1184.3	1184.0
145°	1245.7	1244.6	1243.3	1242.2	1243.3	1244.6	1245.7	1246.9	1247.3	1247.1	1246.8
147.5°	1301.7	1300.6	1299.5	1298.3	1299.5	1300.6	1301.7	1302.9	1303.1	1302.4	1301.8
150°	1337.6	1336.7	1335.8	1334.9	1335.8	1336.7	1337.6	1338.5	1338.5	1337.6	1336.7
152.5°	1372.7	1371.5	1370.5	1369.3	1370.5	1371.5	1372.7	1373.9	1373.9	1372.7	1371.5
155°	1418.3	1417.4	1416.5	1415.6	1416.5	1417.4	1418.3	1419.2	1418.8	1417.4	1415.9
157.5°	1459.6	1458.2	1456.8	1455.4	1456.8	1458.2	1459.6	1461.1	1460.8	1458.7	1456.7
160°	1483.6	1482.5	1481.3	1480.1	1481.3	1482.5	1483.6	1484.9	1484.5	1482.7	1481.0
162.5°	1505.9	1504.5	1503.1	1501.6	1503.1	1504.5	1505.9	1507.3	1507.0	1505.0	1503.0
165°	1534.3	1532.9	1531.3	1529.8	1531.3	1532.9	1534.3	1535.8	1535.5	1533.4	1531.3
167.5°	1557.6	1556.0	1554.5	1552.9	1554.5	1556.0	1557.6	1559.2	1558.9	1556.8	1554.7
170°	1570.1	1568.3	1566.6	1564.8	1566.6	1568.3	1570.1	1571.9	1571.8	1569.7	1567.6
172.5°	1579.8	1578.1	1576.3	1574.5	1576.3	1578.1	1579.8	1581.6	1581.4	1579.4	1577.3
175°	1590.3	1588.5	1586.7	1584.9	1586.7	1588.5	1590.3	1592.1	1592.0	1589.8	1587.8
177.5°	1594.1	1592.7	1591.2	1589.7	1591.2	1592.7	1594.1	1595.5	1595.5	1594.1	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	13.3	13.4	12.4	11.1	9.7	8.9	8.2	7.8	7.6	7.7	8.0
90°	46.5	47.1	40.5	33.9	27.4	20.8	15.7	12.1	8.5	4.9	1.3
92.5°	42.9	42.7	41.2	39.7	38.1	36.6	34.4	31.8	29.2	26.6	23.9
95°	86.1	86.1	85.4	84.8	84.3	83.6	81.9	78.8	75.9	72.9	69.9
97.5°	144.6	144.6	143.5	142.4	141.2	140.1	138.2	135.6	133.0	130.4	127.7
100°	185.5	185.5	184.6	183.7	182.8	181.9	180.3	177.9	175.5	173.1	170.8
102.5°	229.9	229.6	228.5	227.3	226.2	225.1	223.6	221.6	219.7	217.8	215.9
105°	296.3	295.8	295.2	294.5	294.0	293.4	292.6	291.7	290.8	289.9	289.0
107.5°	368.8	368.6	368.6	368.6	368.6	368.6	367.9	366.7	365.3	364.0	362.7
110°	418.1	418.1	418.1	418.1	418.1	418.1	417.1	415.4	413.6	411.8	410.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	467.9	468.6	468.9	469.1	469.3	469.6	468.8	467.0	465.2	463.4	461.6
115°	542.8	543.1	543.7	544.3	544.9	545.5	544.9	543.1	541.3	539.5	537.7
117.5°	616.1	616.8	618.4	620.1	621.8	623.5	623.1	620.7	618.3	615.9	613.6
120°	664.1	664.1	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1
122.5°	715.0	715.7	717.4	719.1	720.8	722.4	721.8	718.9	716.0	713.2	710.3
125°	789.5	790.4	791.4	792.3	793.2	794.1	793.2	790.4	787.7	785.1	782.4
127.5°	861.9	863.1	864.2	865.2	866.3	867.4	866.2	862.8	859.3	856.0	852.6
130°	910.9	911.4	912.0	912.7	913.2	913.8	912.2	908.3	904.5	900.5	896.6
132.5°	959.6	960.9	960.8	960.6	960.6	960.5	958.8	955.6	952.4	949.3	946.1
135°	1029.5	1029.7	1029.1	1028.6	1028.0	1027.3	1025.4	1022.1	1018.9	1015.6	1012.3
137.5°	1097.3	1097.5	1096.7	1095.9	1095.2	1094.4	1092.6	1089.9	1087.3	1084.6	1081.9
140°	1142.6	1142.6	1141.2	1139.7	1138.2	1136.7	1134.6	1131.9	1129.3	1126.5	1123.8
142.5°	1183.7	1183.6	1182.5	1181.5	1180.4	1179.5	1177.6	1174.9	1172.2	1169.6	1166.9
145°	1246.4	1246.2	1244.4	1242.6	1240.8	1239.0	1237.1	1234.9	1232.9	1230.8	1228.7
147.5°	1301.2	1300.5	1299.3	1298.1	1296.9	1295.7	1293.9	1291.4	1288.8	1286.3	1283.8
150°	1335.8	1334.9	1333.7	1332.5	1331.3	1330.1	1328.6	1326.9	1325.1	1323.2	1321.4
152.5°	1370.5	1369.3	1367.9	1366.5	1365.0	1363.6	1362.0	1360.1	1358.3	1356.6	1354.8
155°	1414.3	1412.8	1411.9	1411.0	1410.2	1409.3	1408.4	1407.5	1406.6	1405.7	1404.8
157.5°	1454.6	1452.7	1452.2	1451.6	1451.1	1450.5	1449.9	1449.4	1448.8	1448.1	1447.5
160°	1479.2	1477.4	1477.1	1476.8	1476.5	1476.2	1475.8	1475.2	1474.5	1474.0	1473.4
162.5°	1500.9	1498.9	1498.6	1498.3	1498.0	1497.7	1497.5	1497.4	1497.3	1497.2	1497.0
165°	1529.2	1527.1	1527.1	1527.1	1527.1	1527.1	1527.3	1527.6	1527.9	1528.2	1528.5
167.5°	1552.6	1550.5	1550.6	1550.7	1550.7	1550.8	1551.2	1552.1	1553.0	1553.9	1554.8
170°	1565.5	1563.4	1563.7	1564.1	1564.3	1564.6	1565.2	1566.1	1567.0	1567.9	1568.8
172.5°	1575.2	1573.1	1573.4	1573.7	1574.0	1574.3	1574.9	1575.8	1576.7	1577.6	1578.5
175°	1585.7	1583.6	1584.2	1584.7	1585.4	1586.0	1586.7	1587.6	1588.5	1589.4	1590.3
177.5°	1591.2	1589.7	1590.3	1590.7	1591.2	1591.7	1592.3	1593.0	1593.8	1594.5	1595.2
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	7.4	6.8	7.2	7.7	8.9	10.3	11.3	12.7	14.2	13.8	14.0
90°	4.9	8.5	12.1	15.7	20.8	27.4	33.9	40.5	47.1	46.5	45.8
92.5°	26.6	29.2	31.8	34.4	36.6	38.1	39.7	41.2	42.7	42.9	43.0
95°	72.9	75.9	78.8	81.9	83.6	84.3	84.8	85.4	86.1	86.1	86.1
97.5°	130.4	133.0	135.6	138.2	140.1	141.2	142.4	143.5	144.6	144.6	144.6
100°	173.1	175.5	177.9	180.3	181.9	182.8	183.7	184.6	185.5	185.5	185.5
102.5°	217.8	219.7	221.6	223.6	225.1	226.2	227.3	228.5	229.6	229.9	230.1
105°	289.9	290.8	291.7	292.6	293.4	294.0	294.5	295.2	295.8	296.3	296.9
107.5°	364.0	365.3	366.7	367.9	368.6	368.6	368.6	368.6	368.6	368.8	369.1
110°	411.8	413.6	415.4	417.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	463.4	465.2	467.0	468.8	469.6	469.3	469.1	468.9	468.6	467.9	467.2
115°	539.5	541.3	543.1	544.9	545.5	544.9	544.3	543.7	543.1	542.8	542.5
117.5°	615.9	618.3	620.7	623.1	623.5	621.8	620.1	618.4	616.8	616.1	615.4
120°	666.5	668.9	671.3	673.7	673.7	671.3	668.9	666.5	664.1	664.1	664.1
122.5°	713.2	716.0	718.9	721.8	722.4	720.8	719.1	717.4	715.7	715.0	714.3
125°	785.1	787.7	790.4	793.2	794.1	793.2	792.3	791.4	790.4	789.5	788.6
127.5°	856.0	859.3	862.8	866.2	867.4	866.3	865.2	864.2	863.1	861.9	860.9
130°	900.5	904.5	908.3	912.2	913.8	913.2	912.7	912.0	911.4	910.9	910.3
132.5°	949.3	952.4	955.6	958.8	960.5	960.6	960.6	960.8	960.9	959.6	958.3
135°	1015.6	1018.9	1022.1	1025.4	1027.3	1028.0	1028.6	1029.1	1029.7	1029.5	1029.1
137.5°	1084.6	1087.3	1089.9	1092.6	1094.4	1095.2	1095.9	1096.7	1097.5	1097.3	1097.0
140°	1126.5	1129.3	1131.9	1134.6	1136.7	1138.2	1139.7	1141.2	1142.6	1142.6	1142.6
142.5°	1169.6	1172.2	1174.9	1177.6	1179.5	1180.4	1181.5	1182.5	1183.6	1183.7	1184.0
145°	1230.8	1232.9	1234.9	1237.1	1239.0	1240.8	1242.6	1244.4	1246.2	1246.4	1246.8
147.5°	1286.3	1288.8	1291.4	1293.9	1295.7	1296.9	1298.1	1299.3	1300.5	1301.2	1301.8
150°	1323.2	1325.1	1326.9	1328.6	1330.1	1331.3	1332.5	1333.7	1334.9	1335.8	1336.7
152.5°	1356.6	1358.3	1360.1	1362.0	1363.6	1365.0	1366.5	1367.9	1369.3	1370.5	1371.5
155°	1405.7	1406.6	1407.5	1408.4	1409.3	1410.2	1411.0	1411.9	1412.8	1414.3	1415.9
157.5°	1448.1	1448.8	1449.4	1449.9	1450.5	1451.1	1451.6	1452.2	1452.7	1454.6	1456.7
160°	1474.0	1474.5	1475.2	1475.8	1476.2	1476.5	1476.8	1477.1	1477.4	1479.2	1481.0
162.5°	1497.2	1497.3	1497.4	1497.5	1497.7	1498.0	1498.3	1498.6	1498.9	1500.9	1503.0
165°	1528.2	1527.9	1527.6	1527.3	1527.1	1527.1	1527.1	1527.1	1527.1	1529.2	1531.3
167.5°	1553.9	1553.0	1552.1	1551.2	1550.8	1550.7	1550.7	1550.6	1550.5	1552.6	1554.7
170°	1567.9	1567.0	1566.1	1565.2	1564.6	1564.3	1564.1	1563.7	1563.4	1565.5	1567.6
172.5°	1577.6	1576.7	1575.8	1574.9	1574.3	1574.0	1573.7	1573.4	1573.1	1575.2	1577.3
175°	1589.4	1588.5	1587.6	1586.7	1586.0	1585.4	1584.7	1584.2	1583.6	1585.7	1587.8
177.5°	1594.5	1593.8	1593.0	1592.3	1591.7	1591.2	1590.7	1590.3	1589.7	1591.2	1592.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	13.6	13.5	13.5	13.5	13.6	13.6	13.4
90°	45.3	44.7	44.5	44.9	45.1	45.4	45.7
92.5°	43.1	43.2	43.3	43.3	43.4	43.5	43.5
95°	86.1	86.1	85.7	85.2	84.5	83.9	83.4
97.5°	144.6	144.6	144.6	144.5	144.5	144.5	144.4
100°	185.5	185.5	185.4	185.0	184.8	184.5	184.1
102.5°	230.3	230.6	230.5	230.2	230.0	229.6	229.3
105°	297.6	298.1	298.5	298.5	298.5	298.5	298.5
107.5°	369.3	369.5	369.0	367.7	366.2	364.9	363.5
110°	418.1	418.1	417.6	416.7	415.8	414.9	414.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	466.5	465.7	465.0	464.4	463.8	463.1	462.4
115°	542.2	541.9	541.3	540.4	539.5	538.6	537.7
117.5°	614.7	613.9	613.1	612.2	611.3	610.4	609.5
120°	664.1	664.1	663.6	662.7	661.8	660.9	660.0
122.5°	713.5	712.8	712.1	711.5	710.9	710.2	709.5
125°	787.7	786.8	786.3	786.0	785.7	785.4	785.1
127.5°	859.8	858.7	857.7	856.8	855.8	854.9	853.9
130°	909.6	909.0	908.1	907.0	905.8	904.6	903.4
132.5°	957.0	955.6	954.5	953.6	952.6	951.6	950.7
135°	1028.9	1028.6	1028.0	1027.1	1026.2	1025.3	1024.4
137.5°	1096.8	1096.5	1095.8	1094.7	1093.4	1092.3	1091.0
140°	1142.6	1142.6	1142.1	1140.9	1139.7	1138.4	1137.3
142.5°	1184.3	1184.5	1184.0	1182.9	1181.6	1180.4	1179.2
145°	1247.1	1247.3	1246.9	1245.7	1244.6	1243.3	1242.2
147.5°	1302.4	1303.1	1302.9	1301.7	1300.6	1299.5	1298.3
150°	1337.6	1338.5	1338.5	1337.6	1336.7	1335.8	1334.9
152.5°	1372.7	1373.9	1373.9	1372.7	1371.5	1370.5	1369.3
155°	1417.4	1418.8	1419.2	1418.3	1417.4	1416.5	1415.6
157.5°	1458.7	1460.8	1461.1	1459.6	1458.2	1456.8	1455.4
160°	1482.7	1484.5	1484.9	1483.6	1482.5	1481.3	1480.1
162.5°	1505.0	1507.0	1507.3	1505.9	1504.5	1503.1	1501.6
165°	1533.4	1535.5	1535.8	1534.3	1532.9	1531.3	1529.8
167.5°	1556.8	1558.9	1559.2	1557.6	1556.0	1554.5	1552.9
170°	1569.7	1571.8	1571.9	1570.1	1568.3	1566.6	1564.8
172.5°	1579.4	1581.4	1581.6	1579.8	1578.1	1576.3	1574.5
175°	1589.8	1592.0	1592.1	1590.3	1588.5	1586.7	1584.9
177.5°	1594.1	1595.5	1595.5	1594.1	1592.7	1591.2	1589.7
180°	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0	1593.0

(END OF REPORT)