

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: P332950-935

Luminaire Tested: **SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332950-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6465.2 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

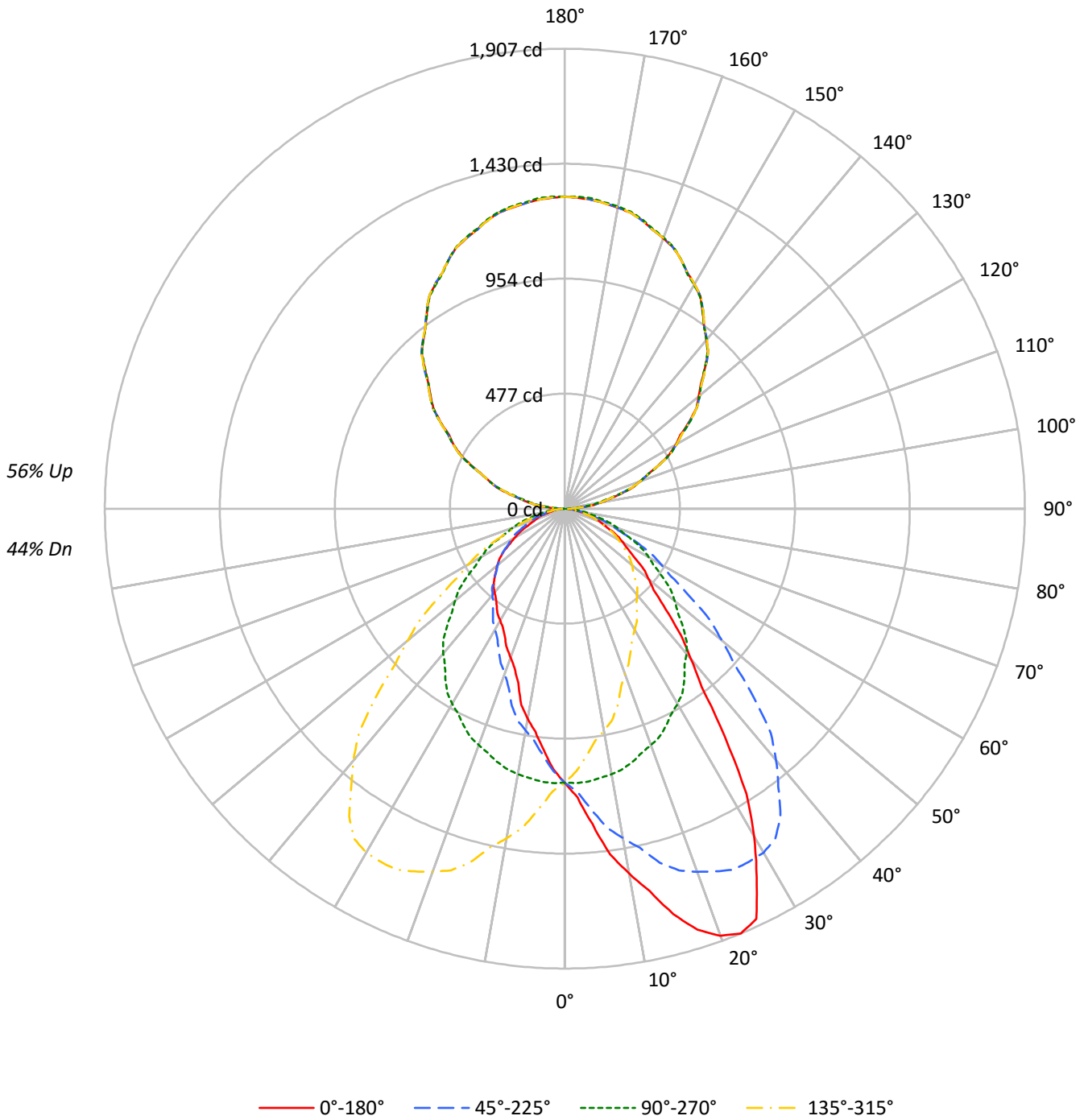
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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

	0°	90°	180°	270°
0°	9175	9175	9175	9175
5°	10643	9203	8135	9203
10°	12591	9163	7260	9163
15°	14543	9078	6238	9078
20°	16192	8961	5642	8961
25°	16715	8847	5238	8847
30°	14632	8708	4994	8708
35°	11391	8502	4847	8502
40°	8541	8266	4769	8266
45°	6744	7889	4727	7889
50°	5693	7454	4589	7454
55°	4963	6973	4345	6973
60°	4466	6476	3846	6476
65°	3935	5939	3307	5939
70°	3545	5384	2984	5384
75°	2969	4769	2542	4769
80°	2515	4068	2385	4068
85°	2121	3186	2121	3186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	1.7
10°-20°	332.2	5.1
20°-30°	519.5	8.0
30°-40°	577.6	8.9
40°-50°	512.4	7.9
50°-60°	399.3	6.2
60°-70°	261.4	4.0
70°-80°	128.6	2.0
80°-90°	35.6	0.6
90°-100°	85.3	1.3
100°-110°	252.7	3.9
110°-120°	428.9	6.6
120°-130°	565.6	8.7
130°-140°	635.2	9.8
140°-150°	624.2	9.7
150°-160°	525.0	8.1
160°-170°	349.3	5.4
170°-180°	122.3	1.9
0°-30°	961.8	14.9
0°-40°	1539.4	23.8
0°-60°	2451.2	37.9
0°-90°	2876.8	44.5
90°-120°	767.0	11.9
90°-150°	2591.9	40.1
90°-180°	3588.0	55.5
0°-180°	6465.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	27
90°	30	3	30	3	30	16
95°	79	60	79	60	79	82
105°	244	233	244	233	244	257
115°	432	436	432	436	432	427
125°	630	635	630	635	630	562
135°	820	819	820	819	820	633
145°	996	995	996	995	996	623
155°	1139	1140	1139	1140	1139	524
165°	1238	1241	1238	1241	1238	349
175°	1285	1291	1285	1291	1285	122
180°	1293	1293	1293	1293	1293	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1198.8	1202.1	1198.8	1198.4	1194.8	1193.7	1192.2	1187.5	1178.6	1173.5	1174.7
5°	1313.3	1324.7	1318.4	1317.4	1307.3	1297.3	1290.8	1276.2	1260.6	1250.1	1241.4
7.5°	1445.7	1452.3	1448.3	1441.8	1425.6	1416.3	1401.4	1382.2	1354.3	1332.9	1313.4
10°	1535.9	1541.4	1539.5	1527.6	1515.7	1491.4	1477.6	1450.7	1415.4	1387.5	1361.4
12.5°	1624.4	1630.4	1614.2	1614.8	1592.2	1573.1	1551.3	1517.3	1476.6	1440.6	1407.9
15°	1740.1	1732.8	1732.8	1723.5	1698.4	1671.8	1649.4	1613.7	1562.4	1519.3	1474.0
17.5°	1830.6	1833.1	1829.4	1807.8	1788.0	1760.5	1719.3	1677.7	1630.0	1572.3	1526.0
20°	1884.7	1884.7	1880.7	1866.0	1840.4	1811.0	1766.6	1721.3	1660.9	1602.7	1550.5
22.5°	1906.8	1908.2	1903.3	1891.3	1868.2	1839.6	1801.8	1755.8	1693.4	1628.0	1563.3
25°	1876.5	1885.2	1886.1	1882.9	1876.0	1858.6	1826.2	1779.0	1723.1	1652.2	1582.5
27.5°	1722.9	1733.8	1743.4	1759.3	1780.4	1791.3	1792.8	1768.8	1720.1	1651.7	1581.7
30°	1569.7	1578.9	1608.6	1647.5	1677.8	1705.3	1729.1	1735.5	1708.1	1646.7	1573.0
32.5°	1399.7	1412.2	1442.0	1483.8	1534.2	1580.7	1634.2	1661.5	1660.8	1623.9	1555.7
35°	1155.8	1164.9	1192.4	1236.4	1296.8	1366.0	1450.7	1516.6	1561.5	1558.2	1516.6
37.5°	932.1	942.5	970.3	1006.7	1065.3	1150.9	1232.9	1323.7	1406.7	1453.3	1439.4
40°	810.5	811.0	838.0	875.6	930.5	1005.1	1094.4	1195.2	1287.6	1363.2	1377.9
42.5°	714.5	714.6	732.5	772.9	812.5	882.8	968.0	1068.1	1176.3	1263.6	1302.4
45°	590.7	594.9	609.5	633.8	664.9	724.4	792.6	885.6	1006.9	1110.4	1175.0
47.5°	500.2	506.3	515.6	535.4	560.2	599.9	656.3	739.8	838.5	952.4	1044.2
50°	453.3	454.3	466.1	477.2	498.7	530.3	579.7	649.3	739.9	849.5	951.6
52.5°	413.0	412.8	420.0	433.9	451.4	476.0	516.0	579.4	659.8	757.9	863.2
55°	352.6	354.9	360.4	371.3	384.6	402.1	433.6	481.3	544.5	628.3	723.9
57.5°	306.6	307.8	312.1	316.8	329.0	341.6	365.3	398.4	451.7	520.3	609.5
60°	276.6	277.1	278.4	285.2	294.9	306.8	322.8	350.8	395.6	458.4	528.9
62.5°	247.3	248.1	250.2	255.2	262.7	270.9	287.7	310.1	347.2	400.9	464.4
65°	206.0	206.6	209.7	211.5	217.5	224.8	237.2	252.3	277.9	322.8	370.9
67.5°	172.2	172.2	172.4	174.9	178.9	183.8	191.2	203.3	222.7	250.2	292.6
70°	150.2	150.2	151.1	152.5	154.8	158.9	163.0	172.2	186.4	208.8	241.3
72.5°	129.7	130.0	131.0	131.2	132.4	135.8	138.9	144.7	155.2	172.2	198.5
75°	95.2	96.6	98.9	100.7	103.1	102.5	105.8	109.4	112.6	122.7	137.8
77.5°	70.9	70.2	70.4	72.0	72.2	72.8	75.0	77.8	80.2	85.0	90.4
80°	54.1	54.1	55.4	55.9	55.4	55.9	58.1	59.5	60.4	62.3	67.3
82.5°	40.8	41.6	41.2	41.6	41.8	42.3	44.3	44.5	45.5	46.1	48.3
85°	22.9	23.3	23.8	22.9	22.9	22.9	23.8	24.3	25.2	24.7	25.7
87.5°	14.0	13.6	13.9	13.8	14.0	13.5	13.6	14.1	13.1	13.2	12.8
90°	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7	23.3	22.0	20.2
92.5°	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2	40.4	39.6	38.4
95°	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3	76.7	76.0	74.5
97.5°	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8	121.1	120.2	118.4
100°	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9	153.5	153.1	151.0
102.5°	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9	187.3	186.7	184.9
105°	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4	238.8	238.1	237.2
107.5°	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2	294.5	293.9	293.8
110°	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2	332.7	333.1	333.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1	372.2	372.3	372.7
115°	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7	433.9	434.1	434.5
117.5°	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8	493.6	494.4	494.6
120°	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0	534.1	535.2	535.8
122.5°	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7	574.5	575.1	575.5
125°	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3	633.8	634.2	634.4
127.5°	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3	690.8	691.2	691.6
130°	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3	730.8	731.2	731.2
132.5°	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9	768.4	768.9	769.0
135°	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4	824.8	825.3	825.3
137.5°	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9	879.5	880.0	879.7
140°	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8	915.1	915.2	915.2
142.5°	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8	948.8	948.9	949.1
145°	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9	1000.1	1000.3	1000.1
147.5°	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2	1046.4	1046.5	1046.7
150°	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8	1102.3	1101.7	1101.6
155°	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4	1139.5
157.5°	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9	1174.2	1173.5	1173.6
160°	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7	1195.1	1194.4	1194.6
162.5°	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4	1213.1	1211.9	1212.2
165°	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1	1237.7	1236.4	1236.8
167.5°	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8	1258.5	1257.1	1257.1
170°	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1	1269.7	1268.4	1268.2
172.5°	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4	1277.9	1276.4	1276.3
175°	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4	1285.6
177.5°	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5	1292.3	1291.0	1291.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1171.0	1165.9	1163.3	1157.4	1150.5	1146.8	1143.5	1138.8	1132.5	1125.9	1121.1
5°	1230.4	1219.4	1205.7	1189.2	1174.6	1160.4	1148.0	1135.7	1121.5	1106.7	1092.1
7.5°	1291.4	1269.8	1246.5	1219.4	1193.2	1169.2	1147.3	1126.2	1102.3	1081.1	1061.6
10°	1333.9	1304.6	1272.0	1237.8	1203.4	1173.6	1144.4	1117.8	1088.5	1062.4	1040.3
12.5°	1368.3	1333.9	1294.8	1252.0	1210.7	1174.7	1141.0	1106.4	1073.1	1044.7	1015.5
15°	1425.5	1378.3	1325.7	1274.4	1220.8	1171.8	1126.4	1086.2	1048.2	1008.3	980.4
17.5°	1464.7	1408.8	1344.8	1283.1	1219.9	1162.1	1109.8	1061.8	1018.0	977.2	944.0
20°	1488.2	1426.4	1355.4	1285.4	1214.4	1152.5	1096.2	1043.1	997.8	953.8	919.5
22.5°	1501.4	1433.0	1355.4	1282.0	1208.5	1141.6	1079.8	1024.4	975.1	931.1	893.1
25°	1505.6	1432.4	1353.1	1268.9	1188.3	1117.3	1053.2	993.2	938.2	894.3	854.0
27.5°	1499.8	1413.5	1332.3	1245.9	1162.7	1087.9	1020.6	957.6	902.6	855.4	814.1
30°	1491.0	1398.4	1311.5	1221.7	1137.5	1065.6	994.5	934.1	876.9	827.9	786.3
32.5°	1471.9	1380.2	1286.5	1194.6	1109.2	1035.2	967.9	907.1	850.9	800.8	756.6
35°	1434.2	1341.3	1239.6	1145.2	1061.4	984.5	921.4	862.7	809.2	755.5	708.9
37.5°	1384.5	1289.5	1188.4	1085.0	1001.2	928.6	870.6	815.5	763.3	714.4	662.6
40°	1337.6	1251.0	1146.6	1044.0	957.9	887.9	834.3	784.4	731.8	683.2	631.5
42.5°	1280.7	1207.0	1101.6	998.6	913.6	846.1	796.3	747.4	699.5	652.5	598.5
45°	1186.0	1130.1	1031.2	932.3	846.7	779.8	734.0	691.0	648.8	604.0	553.2
47.5°	1077.4	1039.6	954.2	852.9	773.7	713.5	669.3	634.1	598.5	553.6	509.0
50°	1001.9	977.7	895.2	802.7	727.2	671.8	626.5	593.5	563.7	520.6	480.8
52.5°	921.4	908.4	838.8	750.4	677.3	623.0	584.3	554.7	524.5	488.8	451.5
55°	798.6	805.5	746.4	669.9	601.2	555.4	520.2	495.4	469.8	439.6	410.8
57.5°	673.1	698.2	658.6	591.4	527.0	484.7	458.2	437.4	415.9	390.8	366.2
60°	598.1	619.1	596.7	537.6	481.3	441.9	417.2	401.1	379.6	356.7	337.9
62.5°	524.8	547.3	534.0	486.3	434.0	400.1	378.3	363.4	347.4	327.4	307.9
65°	432.7	447.4	441.0	408.0	370.9	342.1	321.9	310.9	296.3	281.6	264.2
67.5°	331.4	359.7	356.0	338.5	306.4	283.9	270.7	261.0	247.6	236.8	224.9
70°	272.4	298.6	298.1	283.9	266.5	245.5	236.3	228.1	216.1	205.6	196.0
72.5°	223.0	246.9	250.5	239.6	227.6	211.7	202.9	197.3	185.7	178.5	170.7
75°	156.2	173.6	178.1	178.1	172.6	164.4	156.6	152.9	144.7	138.3	133.7
77.5°	102.4	113.4	120.5	122.2	123.0	120.3	113.8	111.2	105.0	102.6	98.2
80°	72.3	79.6	87.9	90.7	93.0	92.0	89.3	87.5	81.5	79.2	77.4
82.5°	50.0	54.1	60.8	66.8	66.2	68.6	66.2	64.7	60.3	59.4	57.6
85°	26.1	26.5	27.5	31.6	33.9	34.8	35.3	34.4	33.0	33.0	29.8
87.5°	12.5	11.8	12.1	11.7	11.6	12.6	13.2	13.1	12.5	11.8	11.2
90°	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0	5.4	7.9	10.3
92.5°	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4	24.2	27.0	29.8
95°	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0	62.0	64.1	66.0
97.5°	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9	106.4	108.1	109.6
100°	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1	140.9	141.8	142.7
102.5°	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8	177.2	177.5	177.9
105°	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1	233.3	233.5	233.8
107.5°	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1	292.4	292.7	292.9
110°	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1	332.5	332.9	333.5





TEST NUMBER: P332950-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7	373.8	373.9	374.0
115°	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
117.5°	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0	495.2	495.3	495.5
120°	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2	535.0	536.0	536.8
122.5°	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0	575.3	575.7	576.0
125°	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2	635.2	635.2	635.2
127.5°	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8	690.5	691.1	691.8
130°	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2	728.9	729.5	730.2
132.5°	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4	767.9	768.4	768.9
135°	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2	820.6	821.9	823.3
137.5°	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6	876.3	876.9	877.5
140°	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3	913.7	914.2	914.6
142.5°	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7	948.1	948.6	949.0
145°	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3	996.2	997.1	998.0
147.5°	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5	1043.6	1044.7	1045.7
150°	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3	1072.2	1073.2	1074.0
152.5°	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5	1099.1	1099.6	1100.1
155°	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5	1175.2	1174.7	1174.4
160°	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4	1196.2	1195.9	1195.7
162.5°	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6	1215.0	1214.4	1213.8
165°	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4	1240.7	1240.0	1239.4
167.5°	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2	1260.2	1259.3	1258.4
170°	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4	1271.3	1270.1	1269.0
172.5°	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4	1279.4	1278.5	1277.6
175°	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4	1290.3	1289.2	1288.1
177.5°	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0	1294.1	1293.2	1292.4
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332950-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	11.7	11.8	12.1	11.7	12.5	12.8	12.7	13.0	13.6	13.2	13.3
90°	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7	26.0	27.4	28.2
92.5°	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2	42.0	42.8	43.3
95°	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3	78.0	78.7	79.0
97.5°	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8	122.6	123.5	123.8
100°	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9	154.4	154.8	155.1
102.5°	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9	188.6	189.2	189.5
105°	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4	240.0	240.7	241.4
107.5°	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2	295.8	296.4	296.7
110°	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2	331.7	331.3	331.4



TEST NUMBER: P332950-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1	372.0	372.0	372.0
115°	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7	433.4	433.3	433.0
117.5°	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8	492.1	491.3	490.8
120°	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0	531.8	530.7	530.4
122.5°	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7	572.9	572.1	571.4
125°	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3	632.8	632.4	632.0
127.5°	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3	689.9	689.4	689.1
130°	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3	729.9	729.4	728.8
132.5°	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9	767.5	767.1	766.6
135°	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4	823.9	823.5	822.9
137.5°	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9	878.3	877.8	877.5
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8	914.6	914.4	914.2
142.5°	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8	948.7	948.7	948.6
145°	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.9
147.5°	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2	1046.0	1045.8	1045.6
150°	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.2
152.5°	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8	1103.4	1103.9	1103.9
155°	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9
157.5°	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9	1175.5	1176.2	1176.2
160°	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7	1196.4	1197.0	1196.8
162.5°	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4	1215.6	1216.8	1216.9
165°	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1	1240.4	1241.7	1241.9
167.5°	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8	1261.2	1262.5	1262.5
170°	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1	1272.4	1273.8	1273.6
172.5°	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4	1280.9	1282.5	1282.5
175°	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6
177.5°	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5	1294.8	1296.0	1295.9
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332950-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	14.1	13.9	13.6	14.0	13.6	13.9	14.1	13.3	13.2	13.6	13.0
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7
92.5°	43.7	43.9	44.2	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2
95°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3
97.5°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8
100°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9
102.5°	189.8	189.9	190.1	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9
105°	242.1	242.7	243.4	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4
107.5°	296.6	296.6	296.5	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2
110°	332.1	332.8	333.5	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	372.1	372.2	372.4	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1
115°	432.8	432.6	432.4	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7
117.5°	490.3	489.8	489.4	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8
120°	530.8	531.2	531.8	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0
122.5°	570.6	569.8	568.9	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7
125°	631.5	631.1	630.6	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3
127.5°	688.7	688.3	687.9	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3
130°	727.9	727.0	726.1	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3
132.5°	766.3	765.9	765.6	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9
135°	822.3	821.6	820.9	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4
137.5°	877.7	877.8	878.0	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9
140°	914.0	913.7	913.5	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8
142.5°	948.6	948.6	948.6	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8
145°	998.3	997.6	997.0	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9
147.5°	1045.4	1045.2	1044.9	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2
150°	1075.0	1074.8	1074.5	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3
152.5°	1103.3	1102.7	1102.1	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8
155°	1142.0	1141.2	1140.2	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2
157.5°	1175.4	1174.7	1173.9	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9
160°	1195.7	1194.6	1193.5	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7
162.5°	1215.7	1214.6	1213.5	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4
165°	1241.0	1240.2	1239.2	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1
167.5°	1261.1	1259.7	1258.4	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8
170°	1272.0	1270.5	1268.9	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1
172.5°	1280.8	1279.3	1277.7	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4
175°	1290.0	1288.5	1286.9	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5
177.5°	1294.4	1293.0	1291.6	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	12.7	12.8	12.5	11.7	12.1	11.8	11.7	11.2	11.8	12.5	13.1
90°	23.3	22.0	20.2	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0
92.5°	40.4	39.6	38.4	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4
95°	76.7	76.0	74.5	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0
97.5°	121.1	120.2	118.4	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9
100°	153.5	153.1	151.0	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1
102.5°	187.3	186.7	184.9	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8
105°	238.8	238.1	237.2	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1
107.5°	294.5	293.9	293.8	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1
110°	332.7	333.1	333.3	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	372.2	372.3	372.7	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7
115°	433.9	434.1	434.5	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1
117.5°	493.6	494.4	494.6	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0
120°	534.1	535.2	535.8	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2
122.5°	574.5	575.1	575.5	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0
125°	633.8	634.2	634.4	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2
127.5°	690.8	691.2	691.6	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8
130°	730.8	731.2	731.2	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2
132.5°	768.4	768.9	769.0	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4
135°	824.8	825.3	825.3	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2
137.5°	879.5	880.0	879.7	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3
142.5°	948.8	948.9	949.1	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7
145°	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3
147.5°	1046.4	1046.5	1046.7	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5
150°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3
152.5°	1102.3	1101.7	1101.6	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5
155°	1140.2	1139.4	1139.5	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1174.2	1173.5	1173.6	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5
160°	1195.1	1194.4	1194.6	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4
162.5°	1213.1	1211.9	1212.2	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6
165°	1237.7	1236.4	1236.8	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4
167.5°	1258.5	1257.1	1257.1	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2
170°	1269.7	1268.4	1268.2	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4
172.5°	1277.9	1276.4	1276.3	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4
175°	1286.9	1285.4	1285.6	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4
177.5°	1292.3	1291.0	1291.0	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	13.2	12.6	11.6	11.7	12.1	11.8	12.5	12.8	13.2	13.1	14.1
90°	5.4	7.9	10.3	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7
92.5°	24.2	27.0	29.8	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2
95°	62.0	64.1	66.0	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3
97.5°	106.4	108.1	109.6	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8
100°	140.9	141.8	142.7	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9
102.5°	177.2	177.5	177.9	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9
105°	233.3	233.5	233.8	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4
107.5°	292.4	292.7	292.9	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2
110°	332.5	332.9	333.5	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.8	373.9	374.0	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1
115°	436.1	436.1	436.1	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7
117.5°	495.2	495.3	495.5	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8
120°	535.0	536.0	536.8	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0
122.5°	575.3	575.7	576.0	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7
125°	635.2	635.2	635.2	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3
127.5°	690.5	691.1	691.8	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3
130°	728.9	729.5	730.2	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3
132.5°	767.9	768.4	768.9	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9
135°	820.6	821.9	823.3	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4
137.5°	876.3	876.9	877.5	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9
140°	913.7	914.2	914.6	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8
142.5°	948.1	948.6	949.0	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8
145°	996.2	997.1	998.0	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9
147.5°	1043.6	1044.7	1045.7	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2
150°	1072.2	1073.2	1074.0	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1099.1	1099.6	1100.1	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8
155°	1140.3	1140.3	1140.3	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2
157.5°	1175.2	1174.7	1174.4	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9
160°	1196.2	1195.9	1195.7	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7
162.5°	1215.0	1214.4	1213.8	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4
165°	1240.7	1240.0	1239.4	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1
167.5°	1260.2	1259.3	1258.4	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8
170°	1271.3	1270.1	1269.0	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1
172.5°	1279.4	1278.5	1277.6	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4
175°	1290.3	1289.2	1288.1	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5
177.5°	1294.1	1293.2	1292.4	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1192.2	1193.7	1194.8	1198.4	1198.8	1202.1	1198.8
5°	1290.8	1297.3	1307.3	1317.4	1318.4	1324.7	1313.3
7.5°	1401.4	1416.3	1425.6	1441.8	1448.3	1452.3	1445.7
10°	1477.6	1491.4	1515.7	1527.6	1539.5	1541.4	1535.9
12.5°	1551.3	1573.1	1592.2	1614.8	1614.2	1630.4	1624.4
15°	1649.4	1671.8	1698.4	1723.5	1732.8	1732.8	1740.1
17.5°	1719.3	1760.5	1788.0	1807.8	1829.4	1833.1	1830.6
20°	1766.6	1811.0	1840.4	1866.0	1880.7	1884.7	1884.7
22.5°	1801.8	1839.6	1868.2	1891.3	1903.3	1908.2	1906.8
25°	1826.2	1858.6	1876.0	1882.9	1886.1	1885.2	1876.5
27.5°	1792.8	1791.3	1780.4	1759.3	1743.4	1733.8	1722.9
30°	1729.1	1705.3	1677.8	1647.5	1608.6	1578.9	1569.7
32.5°	1634.2	1580.7	1534.2	1483.8	1442.0	1412.2	1399.7
35°	1450.7	1366.0	1296.8	1236.4	1192.4	1164.9	1155.8
37.5°	1232.9	1150.9	1065.3	1006.7	970.3	942.5	932.1
40°	1094.4	1005.1	930.5	875.6	838.0	811.0	810.5
42.5°	968.0	882.8	812.5	772.9	732.5	714.6	714.5
45°	792.6	724.4	664.9	633.8	609.5	594.9	590.7
47.5°	656.3	599.9	560.2	535.4	515.6	506.3	500.2
50°	579.7	530.3	498.7	477.2	466.1	454.3	453.3
52.5°	516.0	476.0	451.4	433.9	420.0	412.8	413.0
55°	433.6	402.1	384.6	371.3	360.4	354.9	352.6
57.5°	365.3	341.6	329.0	316.8	312.1	307.8	306.6
60°	322.8	306.8	294.9	285.2	278.4	277.1	276.6
62.5°	287.7	270.9	262.7	255.2	250.2	248.1	247.3
65°	237.2	224.8	217.5	211.5	209.7	206.6	206.0
67.5°	191.2	183.8	178.9	174.9	172.4	172.2	172.2
70°	163.0	158.9	154.8	152.5	151.1	150.2	150.2
72.5°	138.9	135.8	132.4	131.2	131.0	130.0	129.7
75°	105.8	102.5	103.1	100.7	98.9	96.6	95.2
77.5°	75.0	72.8	72.2	72.0	70.4	70.2	70.9
80°	58.1	55.9	55.4	55.9	55.4	54.1	54.1
82.5°	44.3	42.3	41.8	41.6	41.2	41.6	40.8
85°	23.8	22.9	22.9	22.9	23.8	23.3	22.9
87.5°	13.6	13.5	14.0	13.8	13.9	13.6	14.0
90°	26.0	27.4	28.2	28.7	29.1	29.5	30.0
92.5°	42.0	42.8	43.3	43.7	43.9	44.2	44.4
95°	78.0	78.7	79.0	79.0	79.0	79.0	79.0
97.5°	122.6	123.5	123.8	123.8	123.8	123.8	123.8
100°	154.4	154.8	155.1	155.1	155.1	155.1	155.1
102.5°	188.6	189.2	189.5	189.8	189.9	190.1	190.3
105°	240.0	240.7	241.4	242.1	242.7	243.4	244.1
107.5°	295.8	296.4	296.7	296.6	296.6	296.5	296.5
110°	331.7	331.3	331.4	332.1	332.8	333.5	334.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.0	372.0	372.0	372.1	372.2	372.4	372.6
115°	433.4	433.3	433.0	432.8	432.6	432.4	432.1
117.5°	492.1	491.3	490.8	490.3	489.8	489.4	489.0
120°	531.8	530.7	530.4	530.8	531.2	531.8	532.2
122.5°	572.9	572.1	571.4	570.6	569.8	568.9	568.2
125°	632.8	632.4	632.0	631.5	631.1	630.6	630.2
127.5°	689.9	689.4	689.1	688.7	688.3	687.9	687.6
130°	729.9	729.4	728.8	727.9	727.0	726.1	725.2
132.5°	767.5	767.1	766.6	766.3	765.9	765.6	765.3
135°	823.9	823.5	822.9	822.3	821.6	820.9	820.3
137.5°	878.3	877.8	877.5	877.7	877.8	878.0	878.0
140°	914.6	914.4	914.2	914.0	913.7	913.5	913.3
142.5°	948.7	948.7	948.6	948.6	948.6	948.6	948.5
145°	999.6	999.4	998.9	998.3	997.6	997.0	996.3
147.5°	1046.0	1045.8	1045.6	1045.4	1045.2	1044.9	1044.7
150°	1075.3	1075.3	1075.2	1075.0	1074.8	1074.5	1074.4
152.5°	1103.4	1103.9	1103.9	1103.3	1102.7	1102.1	1101.6
155°	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4
157.5°	1175.5	1176.2	1176.2	1175.4	1174.7	1173.9	1173.2
160°	1196.4	1197.0	1196.8	1195.7	1194.6	1193.5	1192.4
162.5°	1215.6	1216.8	1216.9	1215.7	1214.6	1213.5	1212.4
165°	1240.4	1241.7	1241.9	1241.0	1240.2	1239.2	1238.4
167.5°	1261.2	1262.5	1262.5	1261.1	1259.7	1258.4	1257.0
170°	1272.4	1273.8	1273.6	1272.0	1270.5	1268.9	1267.4
172.5°	1280.9	1282.5	1282.5	1280.8	1279.3	1277.7	1276.2
175°	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4
177.5°	1294.8	1296.0	1295.9	1294.4	1293.0	1291.6	1290.2
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4

(END OF REPORT)