

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: P332616-927

Luminaire Tested: **S124DIP-S795D1205U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332616-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S795D1205U927-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6616.5 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

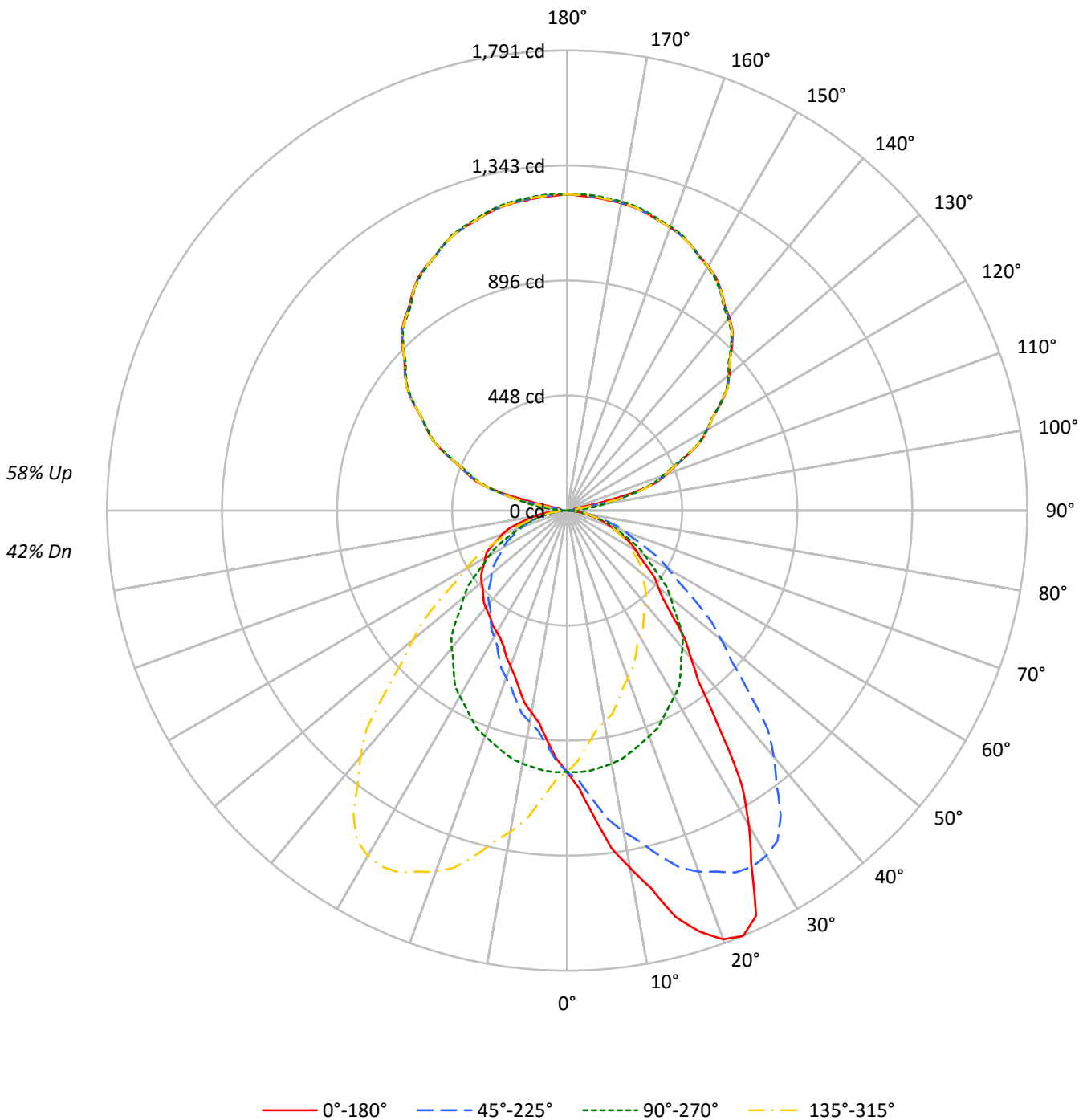
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	42
1	96	92	88	85	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	28	26	23
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	18	16	14
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	15	13	11

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

	0°	90°	180°	270°
0°	8211	8211	8211	8211
5°	9669	8232	7266	8232
10°	11576	8196	6542	8196
15°	13697	8113	6007	8113
20°	15253	8028	5530	8028
25°	15499	7904	5201	7904
30°	13189	7784	5097	7784
35°	10139	7591	5099	7591
40°	7904	7361	5195	7361
45°	6590	7018	5281	7018
50°	5800	6599	5461	6599
55°	5313	6096	5681	6096
60°	4979	5646	5945	5646
65°	4634	5142	6164	5142
70°	4237	4645	6305	4645
75°	3787	4086	6229	4086
80°	3175	3347	6034	3347
85°	2343	2418	5771	2418



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	1.5
10°-20°	305.4	4.6
20°-30°	484.3	7.3
30°-40°	539.0	8.1
40°-50°	490.6	7.4
50°-60°	400.9	6.1
60°-70°	286.2	4.3
70°-80°	157.6	2.4
80°-90°	46.6	0.7
90°-100°	42.1	0.6
100°-110°	268.4	4.1
110°-120°	513.4	7.8
120°-130°	651.7	9.9
130°-140°	697.3	10.5
140°-150°	652.1	9.9
150°-160°	525.8	7.9
160°-170°	339.2	5.1
170°-180°	116.9	1.8
0°-30°	888.8	13.4
0°-40°	1427.7	21.6
0°-60°	2319.2	35.1
0°-90°	2809.6	42.5
90°-120°	823.9	12.5
90°-150°	2825.0	42.7
90°-180°	3807.0	57.5
0°-180°	6616.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1193	1016	897	1016	1193	121
15°	1639	971	719	971	1639	463
25°	1740	887	584	887	1740	767
35°	1029	770	517	770	1029	653
45°	577	615	463	615	577	455
55°	378	433	404	433	378	341
65°	243	269	323	269	243	240
75°	121	131	200	131	121	129
85°	25	26	62	26	25	32
90°	28	3	28	3	28	13
95°	27	51	27	51	27	21
105°	262	277	262	277	262	229
115°	521	517	521	517	521	516
125°	733	727	733	727	733	653
135°	908	902	908	902	908	699
145°	1046	1040	1046	1040	1046	653
155°	1140	1140	1140	1140	1140	525
165°	1198	1203	1198	1203	1198	338
175°	1223	1231	1223	1231	1223	116
180°	1231	1231	1231	1231	1231	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1082.4	1082.1	1078.7	1078.1	1075.7	1072.7	1072.0	1066.6	1055.8	1050.8	1049.4
5°	1193.2	1201.6	1190.6	1188.5	1187.2	1173.4	1166.2	1157.8	1138.4	1127.0	1118.2
7.5°	1325.3	1326.3	1321.5	1317.6	1306.9	1294.7	1276.6	1257.2	1234.1	1210.1	1192.0
10°	1412.2	1415.6	1410.2	1409.3	1387.8	1374.4	1347.3	1324.6	1298.5	1269.4	1242.9
12.5°	1504.0	1499.2	1496.4	1478.4	1474.4	1449.9	1418.5	1395.0	1354.8	1321.4	1286.0
15°	1638.9	1629.7	1623.7	1598.9	1586.7	1552.5	1519.2	1493.6	1440.9	1390.8	1352.8
17.5°	1718.1	1727.4	1713.7	1703.5	1671.9	1648.0	1614.0	1560.0	1518.9	1456.6	1408.7
20°	1775.4	1776.2	1768.7	1758.2	1733.3	1703.0	1665.9	1606.9	1557.6	1495.6	1430.0
22.5°	1790.9	1791.1	1787.9	1778.1	1759.2	1734.6	1697.3	1648.0	1588.2	1520.9	1455.2
25°	1740.0	1738.4	1742.2	1753.1	1745.9	1738.4	1716.8	1680.2	1624.6	1553.4	1482.6
27.5°	1550.9	1562.6	1584.0	1610.9	1636.9	1656.7	1662.2	1654.7	1620.3	1561.7	1487.6
30°	1414.8	1429.1	1445.1	1472.0	1524.3	1554.3	1587.1	1611.9	1598.1	1551.3	1482.2
32.5°	1265.1	1268.7	1292.4	1323.1	1371.0	1428.5	1480.6	1531.1	1547.8	1523.3	1465.7
35°	1028.8	1034.7	1060.4	1090.8	1149.4	1219.7	1298.1	1368.0	1425.7	1448.9	1419.4
37.5°	839.6	856.5	874.6	907.3	958.9	1022.2	1103.6	1194.1	1280.1	1337.8	1347.5
40°	750.0	760.5	773.6	798.4	842.2	904.6	974.5	1078.2	1169.6	1252.1	1279.1
42.5°	679.1	685.3	693.3	715.8	749.2	811.2	875.0	966.2	1058.0	1156.7	1201.9
45°	577.2	583.5	597.0	610.1	635.3	678.3	737.7	812.7	905.0	1000.2	1083.6
47.5°	503.6	507.6	515.6	529.6	551.0	579.4	627.7	690.4	775.9	868.3	957.2
50°	461.8	465.1	471.4	484.1	500.5	525.8	565.4	624.0	690.9	784.1	871.2
52.5°	428.7	430.1	434.7	443.3	456.4	477.6	510.1	558.6	620.8	703.9	790.8
55°	377.5	379.2	383.4	389.8	401.1	414.5	439.4	475.6	530.0	602.1	677.5
57.5°	335.3	336.5	340.1	342.5	351.9	362.8	382.0	407.8	449.0	510.1	577.4
60°	308.4	307.5	311.8	313.9	320.2	329.5	344.2	369.1	404.9	454.2	516.1
62.5°	282.1	280.9	284.5	287.2	290.9	298.8	310.9	330.3	359.4	403.9	457.5
65°	242.6	241.0	243.1	246.4	249.9	254.1	262.9	280.2	303.3	335.3	376.2
67.5°	203.0	204.9	205.2	206.8	208.8	214.5	220.6	232.8	249.1	274.8	309.4
70°	179.5	179.9	181.6	181.6	182.8	187.9	193.0	200.1	216.1	239.7	267.9
72.5°	155.9	157.6	157.0	158.4	159.2	162.6	166.4	173.2	186.8	204.3	228.1
75°	121.4	122.6	122.6	123.0	124.3	125.6	128.5	133.6	143.2	156.3	172.8
77.5°	88.5	88.6	89.2	90.8	90.8	92.8	95.0	99.0	103.8	112.7	122.8
80°	68.3	69.1	68.7	69.6	69.6	71.2	72.0	77.1	79.2	85.1	93.1
82.5°	50.1	50.9	50.8	52.0	52.7	53.0	54.2	56.2	58.3	63.5	66.8
85°	25.3	26.1	25.3	26.1	27.4	27.8	29.1	29.5	31.2	32.5	35.4
87.5°	12.9	13.9	13.8	14.0	14.7	14.8	14.9	14.3	15.4	15.5	16.6
90°	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7	21.5	20.3	18.6
92.5°	25.4	25.3	25.3	25.2	25.1	24.4	23.2	21.9	20.8	19.5	17.9
95°	26.7	26.5	26.3	26.1	25.9	25.2	23.9	22.7	21.5	20.3	20.0
97.5°	25.7	25.6	25.3	25.2	25.0	24.8	24.6	24.6	24.4	24.3	47.1
100°	25.7	25.6	25.3	25.2	25.0	26.6	30.1	33.5	37.0	40.5	68.8
102.5°	26.5	26.5	26.5	26.4	26.4	45.1	82.6	120.1	157.6	195.1	198.8
105°	262.4	269.7	277.0	284.4	291.8	294.5	292.7	290.9	289.1	287.2	286.1
107.5°	365.6	364.8	364.1	363.3	362.5	361.6	360.8	359.9	358.9	358.1	356.6
110°	410.5	410.0	409.3	408.7	408.1	407.6	407.2	406.8	406.3	405.9	404.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	455.4	454.7	453.9	453.1	452.3	452.0	452.1	452.2	452.3	452.3	451.8
115°	521.0	521.0	521.0	521.0	521.0	520.8	520.4	520.0	519.6	519.1	519.4
117.5°	587.6	587.7	587.8	587.9	588.0	588.0	588.1	588.2	588.3	588.4	588.0
120°	629.6	630.0	630.4	630.8	631.2	631.2	630.8	630.4	630.0	629.6	629.8
122.5°	670.8	671.2	671.7	672.1	672.5	672.6	672.3	672.1	671.8	671.6	671.3
125°	732.7	732.5	732.3	732.1	731.9	731.5	730.9	730.2	729.6	729.0	729.4
127.5°	787.0	787.2	787.3	787.5	787.7	787.8	787.9	788.1	788.1	788.3	787.3
130°	823.8	823.8	823.8	823.8	823.8	823.7	823.6	823.3	823.1	822.9	822.3
132.5°	857.7	857.9	858.0	858.2	858.3	858.3	858.2	857.9	857.7	857.5	856.7
135°	908.5	908.1	907.7	907.3	906.9	906.5	906.0	905.6	905.2	904.8	904.0
137.5°	952.0	952.0	952.2	952.4	952.4	952.3	951.8	951.4	950.9	950.5	949.6
140°	982.1	981.9	981.8	981.5	981.4	981.0	980.3	979.7	979.1	978.5	978.0
142.5°	1007.2	1007.2	1007.1	1007.1	1007.0	1006.8	1006.3	1005.9	1005.4	1005.0	1004.7
145°	1045.7	1045.3	1044.8	1044.4	1044.0	1043.7	1043.5	1043.3	1043.1	1042.9	1042.9
147.5°	1077.5	1077.3	1077.1	1076.9	1076.7	1076.5	1076.3	1076.2	1076.0	1075.9	1076.0
150°	1098.1	1098.0	1097.7	1097.5	1097.3	1097.2	1097.2	1097.2	1097.2	1097.2	1097.4
152.5°	1115.8	1115.9	1116.0	1116.2	1116.3	1116.2	1115.9	1115.6	1115.2	1114.9	1115.2
155°	1139.6	1140.2	1140.7	1141.4	1142.0	1141.9	1141.1	1140.3	1139.5	1138.6	1139.2
157.5°	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7	1162.6	1161.6	1160.5	1159.4	1160.2
160°	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6	1176.4	1175.1	1173.9	1172.7	1172.9
162.5°	1183.0	1184.4	1185.8	1187.2	1188.6	1188.7	1187.4	1186.2	1184.9	1183.8	1183.9
165°	1197.5	1199.4	1201.2	1203.1	1204.9	1205.0	1203.4	1201.7	1200.1	1198.5	1198.5
167.5°	1208.4	1210.5	1212.5	1214.6	1216.6	1216.7	1214.9	1213.1	1211.3	1209.5	1209.7
170°	1215.0	1217.1	1219.1	1221.1	1223.2	1223.4	1221.8	1220.1	1218.5	1216.9	1216.6
172.5°	1218.7	1220.9	1223.1	1225.3	1227.6	1227.8	1226.2	1224.6	1222.9	1221.3	1221.1
175°	1223.3	1225.7	1228.2	1230.7	1233.1	1233.4	1231.6	1229.8	1227.9	1226.1	1225.9
177.5°	1226.3	1228.2	1230.2	1232.2	1234.1	1234.5	1233.1	1231.8	1230.5	1229.2	1228.9
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1049.7	1045.0	1041.6	1038.9	1031.6	1027.1	1023.8	1019.1	1013.7	1008.0	1000.8
5°	1109.3	1095.0	1084.5	1068.4	1053.3	1040.6	1027.6	1015.8	1001.5	985.9	974.5
7.5°	1172.0	1150.6	1123.3	1099.6	1073.0	1049.8	1029.1	1007.9	985.8	964.4	944.8
10°	1211.7	1184.3	1154.0	1118.2	1084.5	1054.6	1026.7	999.8	973.7	947.5	925.2
12.5°	1254.5	1220.4	1175.5	1133.7	1095.9	1055.9	1022.4	989.4	957.8	930.3	904.3
15°	1311.9	1262.7	1210.9	1154.8	1105.1	1058.4	1012.4	970.7	935.3	899.0	873.8
17.5°	1347.3	1286.3	1227.0	1168.5	1108.3	1049.3	999.8	951.6	907.4	871.3	839.5
20°	1370.6	1309.9	1236.1	1177.6	1106.0	1045.3	988.0	934.5	888.1	849.8	816.9
22.5°	1390.8	1320.6	1246.9	1169.8	1098.5	1034.2	971.5	917.6	870.3	829.9	798.4
25°	1401.7	1321.2	1241.2	1164.5	1083.6	1007.3	950.5	887.3	836.7	794.2	760.5
27.5°	1402.9	1316.8	1226.3	1141.1	1057.6	986.6	914.7	858.3	805.8	760.8	728.4
30°	1399.2	1309.5	1212.1	1119.8	1036.0	958.9	896.6	835.0	781.6	736.9	703.1
32.5°	1387.3	1294.0	1193.9	1096.2	1009.4	934.0	869.6	811.1	759.0	714.9	679.6
35°	1353.3	1261.0	1154.4	1052.9	963.9	887.7	829.6	770.2	718.0	676.2	642.1
37.5°	1299.9	1216.5	1108.1	1003.1	915.8	839.2	781.6	727.9	680.7	638.3	603.4
40°	1253.4	1180.1	1071.4	969.0	874.6	801.8	747.8	698.5	651.8	611.7	578.5
42.5°	1199.8	1135.9	1035.7	927.2	836.2	763.0	710.4	666.1	622.1	585.1	551.8
45°	1104.2	1062.2	967.7	867.5	772.7	703.6	653.5	614.7	577.7	541.4	513.6
47.5°	994.3	973.5	894.1	798.8	708.8	640.7	597.2	561.4	528.9	498.3	473.7
50°	920.6	910.5	841.8	750.0	664.0	599.9	556.1	525.4	497.6	470.6	447.4
52.5°	847.8	847.4	785.5	701.4	621.9	560.2	516.7	488.0	463.9	442.0	421.1
55°	736.5	748.2	699.8	624.8	553.6	498.0	458.8	433.1	416.3	398.2	382.5
57.5°	634.2	653.8	613.9	547.8	488.4	437.1	403.1	383.7	365.8	354.8	343.5
60°	567.5	586.1	554.8	499.2	443.2	399.4	366.9	349.7	334.1	326.5	318.5
62.5°	508.2	524.7	501.6	450.0	401.4	359.3	331.9	315.3	304.8	296.5	291.2
65°	423.4	437.3	417.6	380.0	338.3	304.6	282.3	269.2	259.1	255.7	249.9
67.5°	342.3	354.9	344.2	312.4	278.9	253.3	235.9	223.4	217.4	214.4	210.2
70°	294.1	306.7	295.3	267.5	241.9	220.4	203.9	196.8	190.4	189.2	183.2
72.5°	253.3	261.9	250.5	228.8	206.8	188.7	175.9	168.4	165.2	162.9	159.7
75°	190.0	197.6	190.0	173.2	157.6	145.0	134.0	131.0	127.2	126.0	123.9
77.5°	134.5	141.1	135.2	124.7	113.0	103.3	97.4	93.6	92.8	90.5	91.6
80°	102.8	107.0	101.6	94.3	85.1	78.3	74.1	72.0	69.6	68.7	70.3
82.5°	73.8	75.7	72.9	68.0	61.2	56.8	53.9	51.5	51.0	51.2	51.2
85°	38.3	37.9	37.5	33.3	31.2	28.2	26.5	26.1	25.7	26.5	27.4
87.5°	16.2	16.2	15.5	13.8	12.4	10.9	10.1	9.3	10.1	10.9	11.6
90°	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8	5.0	7.3	9.5
92.5°	16.2	14.6	13.0	12.1	12.0	11.9	11.7	11.6	11.7	11.9	12.0
95°	19.8	19.6	19.4	22.8	29.8	36.7	43.6	50.6	43.6	36.7	29.8
97.5°	69.9	92.8	115.6	124.8	120.5	116.2	111.9	107.5	111.9	116.2	120.5
100°	97.0	125.2	153.4	165.7	162.0	158.4	154.6	151.0	154.6	158.4	162.0
102.5°	202.5	206.2	209.8	210.3	207.6	204.9	202.2	199.6	202.2	204.9	207.6
105°	285.1	284.2	283.1	281.9	280.7	279.5	278.3	277.0	278.3	279.5	280.7
107.5°	355.3	353.9	352.5	351.5	350.9	350.3	349.7	349.0	349.7	350.3	350.9
110°	403.5	402.3	401.0	400.1	399.5	398.9	398.2	397.7	398.2	398.9	399.5





TEST NUMBER: P332616-927

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	451.1	450.6	450.0	449.2	448.1	446.9	445.9	444.8	445.9	446.9	448.1
115°	519.6	519.8	520.0	519.8	519.1	518.6	517.9	517.3	517.9	518.6	519.1
117.5°	587.5	587.0	586.5	585.9	585.1	584.3	583.4	582.7	583.4	584.3	585.1
120°	630.0	630.3	630.4	630.1	629.3	628.5	627.6	626.9	627.6	628.5	629.3
122.5°	671.0	670.7	670.4	670.0	669.6	669.1	668.6	668.0	668.6	669.1	669.6
125°	729.8	730.2	730.6	730.5	729.6	728.8	728.0	727.1	728.0	728.8	729.6
127.5°	786.4	785.4	784.5	783.9	783.8	783.5	783.3	783.2	783.3	783.5	783.8
130°	821.7	821.1	820.5	820.1	819.8	819.7	819.4	819.2	819.4	819.7	819.8
132.5°	856.0	855.2	854.4	853.8	853.5	853.1	852.7	852.4	852.7	853.1	853.5
135°	903.2	902.4	901.6	901.3	901.4	901.7	901.9	902.1	901.9	901.7	901.4
137.5°	948.7	947.8	946.9	946.4	946.3	946.3	946.2	946.1	946.2	946.3	946.3
140°	977.6	977.2	976.8	976.4	976.0	975.6	975.2	974.8	975.2	975.6	976.0
142.5°	1004.5	1004.2	1004.0	1003.5	1002.7	1002.0	1001.3	1000.5	1001.3	1002.0	1002.7
145°	1042.9	1042.9	1042.9	1042.6	1042.0	1041.4	1040.8	1040.1	1040.8	1041.4	1042.0
147.5°	1076.3	1076.5	1076.7	1076.2	1075.1	1073.9	1072.8	1071.6	1072.8	1073.9	1075.1
150°	1097.6	1097.8	1098.0	1097.7	1096.9	1096.1	1095.3	1094.5	1095.3	1096.1	1096.9
152.5°	1115.6	1116.0	1116.3	1116.2	1115.6	1114.9	1114.3	1113.6	1114.3	1114.9	1115.6
155°	1139.9	1140.5	1141.1	1141.3	1141.1	1140.9	1140.7	1140.5	1140.7	1140.9	1141.1
157.5°	1160.9	1161.5	1162.2	1162.6	1162.8	1162.8	1163.0	1163.1	1163.0	1162.8	1162.8
160°	1173.1	1173.3	1173.5	1173.9	1174.6	1175.1	1175.8	1176.4	1175.8	1175.1	1174.6
162.5°	1184.2	1184.3	1184.6	1185.0	1185.8	1186.6	1187.4	1188.1	1187.4	1186.6	1185.8
165°	1198.5	1198.5	1198.5	1199.0	1200.0	1201.0	1202.1	1203.1	1202.1	1201.0	1200.0
167.5°	1209.7	1209.9	1210.0	1210.6	1211.6	1212.8	1213.8	1214.8	1213.8	1212.8	1211.6
170°	1216.5	1216.2	1216.1	1216.6	1217.8	1219.0	1220.3	1221.5	1220.3	1219.0	1217.8
172.5°	1220.9	1220.7	1220.4	1221.0	1222.2	1223.4	1224.6	1225.9	1224.6	1223.4	1222.2
175°	1225.7	1225.4	1225.3	1225.7	1227.0	1228.2	1229.5	1230.7	1229.5	1228.2	1227.0
177.5°	1228.5	1228.2	1227.9	1228.3	1229.5	1230.6	1231.8	1232.9	1231.8	1230.6	1229.5
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332616-927

CATALOG NUMBER: S124DIP-S795D1205U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	997.5	994.5	990.1	984.0	979.0	973.6	972.2	970.2	974.2	970.9	969.9
5°	964.8	955.9	944.6	931.5	923.9	913.0	910.9	906.7	902.5	902.1	897.8
7.5°	930.2	917.2	902.3	889.0	876.6	864.7	856.9	855.2	849.0	845.3	841.1
10°	907.9	891.9	874.6	862.0	847.7	835.0	826.2	821.2	816.9	812.3	808.1
12.5°	881.6	864.6	850.4	836.7	819.7	810.1	795.5	786.8	785.9	786.0	775.1
15°	851.0	834.2	812.3	792.9	783.6	765.1	757.1	746.9	740.7	734.4	729.3
17.5°	816.1	795.1	778.0	755.7	738.1	723.3	712.8	706.7	697.2	688.2	681.8
20°	794.2	771.8	753.8	730.2	710.7	692.6	683.8	675.3	668.2	660.6	653.5
22.5°	771.9	748.6	726.4	703.5	685.5	666.4	657.8	646.3	639.5	635.3	628.2
25°	736.9	711.6	686.3	664.4	645.9	629.0	617.7	608.8	601.2	597.9	593.2
27.5°	698.8	673.7	649.3	624.4	603.3	591.1	582.0	575.4	570.9	566.5	564.4
30°	674.5	648.4	622.3	599.1	579.7	567.5	559.0	554.4	551.0	549.0	546.8
32.5°	649.9	624.2	596.7	575.5	558.2	547.3	540.9	536.2	534.6	533.8	533.1
35°	610.5	584.4	559.0	540.1	523.7	519.5	514.0	511.5	510.6	513.6	514.8
37.5°	572.3	548.0	524.8	506.4	495.7	489.5	487.6	487.7	490.8	493.4	496.4
40°	547.7	524.1	502.2	486.2	476.1	472.3	471.4	473.6	476.9	479.9	483.2
42.5°	523.8	500.5	480.6	465.6	458.6	455.1	455.6	457.7	462.4	466.0	471.1
45°	486.6	467.2	447.8	435.6	429.8	430.6	430.6	434.4	439.0	444.5	450.0
47.5°	451.6	432.1	416.1	405.9	402.8	402.1	404.5	409.4	416.1	422.9	430.5
50°	428.0	409.5	395.6	386.3	382.9	384.2	387.6	392.2	400.2	408.7	416.7
52.5°	404.1	387.3	374.4	365.8	363.5	365.7	369.1	376.4	383.4	392.5	402.2
55°	366.9	352.6	342.5	336.2	335.3	336.6	340.4	348.4	358.5	369.9	379.2
57.5°	329.9	318.0	308.7	304.4	304.8	305.9	312.2	321.7	332.5	344.6	356.6
60°	305.1	294.1	286.5	283.1	283.5	286.1	293.7	302.5	316.0	327.8	340.4
62.5°	281.5	271.8	264.6	261.6	260.9	266.5	273.8	283.0	296.4	309.6	323.2
65°	243.5	235.9	230.0	228.4	229.7	233.9	243.1	255.3	266.7	280.6	294.9
67.5°	206.4	200.2	196.1	196.9	198.4	204.7	212.5	222.9	235.8	250.3	264.4
70°	182.8	177.0	173.6	174.0	176.5	184.1	190.8	201.4	215.3	230.0	241.9
72.5°	158.6	154.7	151.7	153.4	156.0	161.2	169.6	180.1	192.3	206.1	218.6
75°	121.8	121.8	120.1	121.4	125.2	130.2	136.5	147.4	159.7	170.6	180.8
77.5°	90.3	89.4	90.5	92.1	94.2	100.2	107.4	115.3	124.5	135.4	143.8
80°	69.1	69.6	71.6	74.1	75.0	79.6	87.2	94.3	101.6	110.8	118.8
82.5°	51.9	52.4	53.4	56.6	57.4	62.4	67.3	74.5	81.0	87.2	93.9
85°	28.2	28.2	30.3	31.6	33.7	37.1	40.0	44.2	50.1	54.3	60.7
87.5°	13.2	13.5	15.2	16.2	17.5	19.6	20.4	24.4	26.0	28.0	31.1
90°	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7	23.9	25.2	26.0
92.5°	12.1	13.0	14.6	16.2	17.9	19.5	20.8	21.9	23.2	24.4	25.1
95°	22.8	19.4	19.6	19.8	20.0	20.3	21.5	22.7	23.9	25.2	25.9
97.5°	124.8	115.6	92.8	69.9	47.1	24.3	24.4	24.6	24.6	24.8	25.0
100°	165.7	153.4	125.2	97.0	68.8	40.5	37.0	33.5	30.1	26.6	25.0
102.5°	210.3	209.8	206.2	202.5	198.8	195.1	157.6	120.1	82.6	45.1	26.4
105°	281.9	283.1	284.2	285.1	286.1	287.2	289.1	290.9	292.7	294.5	291.8
107.5°	351.5	352.5	353.9	355.3	356.6	358.1	358.9	359.9	360.8	361.6	362.5
110°	400.1	401.0	402.3	403.5	404.7	405.9	406.3	406.8	407.2	407.6	408.1



TEST NUMBER: P332616-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	449.2	450.0	450.6	451.1	451.8	452.3	452.3	452.2	452.1	452.0	452.3
115°	519.8	520.0	519.8	519.6	519.4	519.1	519.6	520.0	520.4	520.8	521.0
117.5°	585.9	586.5	587.0	587.5	588.0	588.4	588.3	588.2	588.1	588.0	588.0
120°	630.1	630.4	630.3	630.0	629.8	629.6	630.0	630.4	630.8	631.2	631.2
122.5°	670.0	670.4	670.7	671.0	671.3	671.6	671.8	672.1	672.3	672.6	672.5
125°	730.5	730.6	730.2	729.8	729.4	729.0	729.6	730.2	730.9	731.5	731.9
127.5°	783.9	784.5	785.4	786.4	787.3	788.3	788.1	788.1	787.9	787.8	787.7
130°	820.1	820.5	821.1	821.7	822.3	822.9	823.1	823.3	823.6	823.7	823.8
132.5°	853.8	854.4	855.2	856.0	856.7	857.5	857.7	857.9	858.2	858.3	858.3
135°	901.3	901.6	902.4	903.2	904.0	904.8	905.2	905.6	906.0	906.5	906.9
137.5°	946.4	946.9	947.8	948.7	949.6	950.5	950.9	951.4	951.8	952.3	952.4
140°	976.4	976.8	977.2	977.6	978.0	978.5	979.1	979.7	980.3	981.0	981.4
142.5°	1003.5	1004.0	1004.2	1004.5	1004.7	1005.0	1005.4	1005.9	1006.3	1006.8	1007.0
145°	1042.6	1042.9	1042.9	1042.9	1042.9	1042.9	1043.1	1043.3	1043.5	1043.7	1044.0
147.5°	1076.2	1076.7	1076.5	1076.3	1076.0	1075.9	1076.0	1076.2	1076.3	1076.5	1076.7
150°	1097.7	1098.0	1097.8	1097.6	1097.4	1097.2	1097.2	1097.2	1097.2	1097.2	1097.3
152.5°	1116.2	1116.3	1116.0	1115.6	1115.2	1114.9	1115.2	1115.6	1115.9	1116.2	1116.3
155°	1141.3	1141.1	1140.5	1139.9	1139.2	1138.6	1139.5	1140.3	1141.1	1141.9	1142.0
157.5°	1162.6	1162.2	1161.5	1160.9	1160.2	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7
160°	1173.9	1173.5	1173.3	1173.1	1172.9	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6
162.5°	1185.0	1184.6	1184.3	1184.2	1183.9	1183.8	1184.9	1186.2	1187.4	1188.7	1188.6
165°	1199.0	1198.5	1198.5	1198.5	1198.5	1198.5	1200.1	1201.7	1203.4	1205.0	1204.9
167.5°	1210.6	1210.0	1209.9	1209.7	1209.7	1209.5	1211.3	1213.1	1214.9	1216.7	1216.6
170°	1216.6	1216.1	1216.2	1216.5	1216.6	1216.9	1218.5	1220.1	1221.8	1223.4	1223.2
172.5°	1221.0	1220.4	1220.7	1220.9	1221.1	1221.3	1222.9	1224.6	1226.2	1227.8	1227.6
175°	1225.7	1225.3	1225.4	1225.7	1225.9	1226.1	1227.9	1229.8	1231.6	1233.4	1233.1
177.5°	1228.3	1227.9	1228.2	1228.5	1228.9	1229.2	1230.5	1231.8	1233.1	1234.5	1234.1
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



TEST NUMBER: P332616-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	969.2	968.5	966.1	965.8	966.1	968.5	969.2	969.9	970.9	974.2	970.2
5°	895.3	893.2	891.9	896.6	891.9	893.2	895.3	897.8	902.1	902.5	906.7
7.5°	839.6	837.9	834.2	833.1	834.2	837.9	839.6	841.1	845.3	849.0	855.2
10°	803.8	802.2	798.8	798.0	798.8	802.2	803.8	808.1	812.3	816.9	821.2
12.5°	769.4	766.1	765.4	766.3	765.4	766.1	769.4	775.1	786.0	785.9	786.8
15°	723.8	722.2	717.5	718.7	717.5	722.2	723.8	729.3	734.4	740.7	746.9
17.5°	678.8	676.8	671.1	676.1	671.1	676.8	678.8	681.8	688.2	697.2	706.7
20°	650.5	647.1	644.2	643.7	644.2	647.1	650.5	653.5	660.6	668.2	675.3
22.5°	623.5	620.5	620.3	617.5	620.3	620.5	623.5	628.2	635.3	639.5	646.3
25°	589.9	586.9	586.1	583.9	586.1	586.9	589.9	593.2	597.9	601.2	608.8
27.5°	564.0	562.5	561.0	561.7	561.0	562.5	564.0	564.4	566.5	570.9	575.4
30°	548.1	547.7	546.8	546.8	546.8	547.7	548.1	546.8	549.0	551.0	554.4
32.5°	535.0	534.9	535.4	535.4	535.4	534.9	535.0	533.1	533.8	534.6	536.2
35°	516.5	517.8	518.6	517.4	518.6	517.8	516.5	514.8	513.6	510.6	511.5
37.5°	499.9	501.1	502.3	503.7	502.3	501.1	499.9	496.4	493.4	490.8	487.7
40°	487.0	490.0	490.8	493.0	490.8	490.0	487.0	483.2	479.9	476.9	473.6
42.5°	474.9	478.2	480.4	480.8	480.4	478.2	474.9	471.1	466.0	462.4	457.7
45°	456.3	459.6	462.6	462.6	462.6	459.6	456.3	450.0	444.5	439.0	434.4
47.5°	437.0	441.9	444.8	445.6	444.8	441.9	437.0	430.5	422.9	416.1	409.4
50°	423.8	429.8	432.7	434.8	432.7	429.8	423.8	416.7	408.7	400.2	392.2
52.5°	411.1	416.9	420.9	422.0	420.9	416.9	411.1	402.2	392.5	383.4	376.4
55°	388.9	397.3	402.0	403.6	402.0	397.3	388.9	379.2	369.9	358.5	348.4
57.5°	368.0	375.7	381.1	382.4	381.1	375.7	368.0	356.6	344.6	332.5	321.7
60°	351.8	360.2	366.9	368.2	366.9	360.2	351.8	340.4	327.8	316.0	302.5
62.5°	335.3	344.0	350.1	353.4	350.1	344.0	335.3	323.2	309.6	296.4	283.0
65°	306.7	315.5	321.5	322.7	321.5	315.5	306.7	294.9	280.6	266.7	255.3
67.5°	275.5	284.4	288.3	290.7	288.3	284.4	275.5	264.4	250.3	235.8	222.9
70°	253.7	260.8	265.0	267.1	265.0	260.8	253.7	241.9	230.0	215.3	201.4
72.5°	228.7	236.1	241.1	241.5	241.1	236.1	228.7	218.6	206.1	192.3	180.1
75°	190.4	197.2	199.7	199.7	199.7	197.2	190.4	180.8	170.6	159.7	147.4
77.5°	150.8	154.2	157.4	158.0	157.4	154.2	150.8	143.8	135.4	124.5	115.3
80°	125.2	127.2	129.8	129.8	129.8	127.2	125.2	118.8	110.8	101.6	94.3
82.5°	98.9	100.6	103.1	102.8	103.1	100.6	98.9	93.9	87.2	81.0	74.5
85°	59.8	63.6	63.2	62.3	63.2	63.6	59.8	60.7	54.3	50.1	44.2
87.5°	32.2	32.6	33.7	34.5	33.7	32.6	32.2	31.1	28.0	26.0	24.4
90°	26.4	26.8	27.2	27.6	27.2	26.8	26.4	26.0	25.2	23.9	22.7
92.5°	25.2	25.3	25.3	25.4	25.3	25.3	25.2	25.1	24.4	23.2	21.9
95°	26.1	26.3	26.5	26.7	26.5	26.3	26.1	25.9	25.2	23.9	22.7
97.5°	25.2	25.3	25.6	25.7	25.6	25.3	25.2	25.0	24.8	24.6	24.6
100°	25.2	25.3	25.6	25.7	25.6	25.3	25.2	25.0	26.6	30.1	33.5
102.5°	26.4	26.5	26.5	26.5	26.5	26.5	26.4	26.4	45.1	82.6	120.1
105°	284.4	277.0	269.7	262.4	269.7	277.0	284.4	291.8	294.5	292.7	290.9
107.5°	363.3	364.1	364.8	365.6	364.8	364.1	363.3	362.5	361.6	360.8	359.9
110°	408.7	409.3	410.0	410.5	410.0	409.3	408.7	408.1	407.6	407.2	406.8



TEST NUMBER: P332616-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	453.1	453.9	454.7	455.4	454.7	453.9	453.1	452.3	452.0	452.1	452.2
115°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	520.8	520.4	520.0
117.5°	587.9	587.8	587.7	587.6	587.7	587.8	587.9	588.0	588.0	588.1	588.2
120°	630.8	630.4	630.0	629.6	630.0	630.4	630.8	631.2	631.2	630.8	630.4
122.5°	672.1	671.7	671.2	670.8	671.2	671.7	672.1	672.5	672.6	672.3	672.1
125°	732.1	732.3	732.5	732.7	732.5	732.3	732.1	731.9	731.5	730.9	730.2
127.5°	787.5	787.3	787.2	787.0	787.2	787.3	787.5	787.7	787.8	787.9	788.1
130°	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.7	823.6	823.3
132.5°	858.2	858.0	857.9	857.7	857.9	858.0	858.2	858.3	858.3	858.2	857.9
135°	907.3	907.7	908.1	908.5	908.1	907.7	907.3	906.9	906.5	906.0	905.6
137.5°	952.4	952.2	952.0	952.0	952.0	952.2	952.4	952.4	952.3	951.8	951.4
140°	981.5	981.8	981.9	982.1	981.9	981.8	981.5	981.4	981.0	980.3	979.7
142.5°	1007.1	1007.1	1007.2	1007.2	1007.2	1007.1	1007.1	1007.0	1006.8	1006.3	1005.9
145°	1044.4	1044.8	1045.3	1045.7	1045.3	1044.8	1044.4	1044.0	1043.7	1043.5	1043.3
147.5°	1076.9	1077.1	1077.3	1077.5	1077.3	1077.1	1076.9	1076.7	1076.5	1076.3	1076.2
150°	1097.5	1097.7	1098.0	1098.1	1098.0	1097.7	1097.5	1097.3	1097.2	1097.2	1097.2
152.5°	1116.2	1116.0	1115.9	1115.8	1115.9	1116.0	1116.2	1116.3	1116.2	1115.9	1115.6
155°	1141.4	1140.7	1140.2	1139.6	1140.2	1140.7	1141.4	1142.0	1141.9	1141.1	1140.3
157.5°	1162.6	1161.6	1160.5	1159.4	1160.5	1161.6	1162.6	1163.7	1163.7	1162.6	1161.6
160°	1176.4	1175.1	1173.9	1172.7	1173.9	1175.1	1176.4	1177.6	1177.6	1176.4	1175.1
162.5°	1187.2	1185.8	1184.4	1183.0	1184.4	1185.8	1187.2	1188.6	1188.7	1187.4	1186.2
165°	1203.1	1201.2	1199.4	1197.5	1199.4	1201.2	1203.1	1204.9	1205.0	1203.4	1201.7
167.5°	1214.6	1212.5	1210.5	1208.4	1210.5	1212.5	1214.6	1216.6	1216.7	1214.9	1213.1
170°	1221.1	1219.1	1217.1	1215.0	1217.1	1219.1	1221.1	1223.2	1223.4	1221.8	1220.1
172.5°	1225.3	1223.1	1220.9	1218.7	1220.9	1223.1	1225.3	1227.6	1227.8	1226.2	1224.6
175°	1230.7	1228.2	1225.7	1223.3	1225.7	1228.2	1230.7	1233.1	1233.4	1231.6	1229.8
177.5°	1232.2	1230.2	1228.2	1226.3	1228.2	1230.2	1232.2	1234.1	1234.5	1233.1	1231.8
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	972.2	973.6	979.0	984.0	990.1	994.5	997.5	1000.8	1008.0	1013.7	1019.1
5°	910.9	913.0	923.9	931.5	944.6	955.9	964.8	974.5	985.9	1001.5	1015.8
7.5°	856.9	864.7	876.6	889.0	902.3	917.2	930.2	944.8	964.4	985.8	1007.9
10°	826.2	835.0	847.7	862.0	874.6	891.9	907.9	925.2	947.5	973.7	999.8
12.5°	795.5	810.1	819.7	836.7	850.4	864.6	881.6	904.3	930.3	957.8	989.4
15°	757.1	765.1	783.6	792.9	812.3	834.2	851.0	873.8	899.0	935.3	970.7
17.5°	712.8	723.3	738.1	755.7	778.0	795.1	816.1	839.5	871.3	907.4	951.6
20°	683.8	692.6	710.7	730.2	753.8	771.8	794.2	816.9	849.8	888.1	934.5
22.5°	657.8	666.4	685.5	703.5	726.4	748.6	771.9	798.4	829.9	870.3	917.6
25°	617.7	629.0	645.9	664.4	686.3	711.6	736.9	760.5	794.2	836.7	887.3
27.5°	582.0	591.1	603.3	624.4	649.3	673.7	698.8	728.4	760.8	805.8	858.3
30°	559.0	567.5	579.7	599.1	622.3	648.4	674.5	703.1	736.9	781.6	835.0
32.5°	540.9	547.3	558.2	575.5	596.7	624.2	649.9	679.6	714.9	759.0	811.1
35°	514.0	519.5	523.7	540.1	559.0	584.4	610.5	642.1	676.2	718.0	770.2
37.5°	487.6	489.5	495.7	506.4	524.8	548.0	572.3	603.4	638.3	680.7	727.9
40°	471.4	472.3	476.1	486.2	502.2	524.1	547.7	578.5	611.7	651.8	698.5
42.5°	455.6	455.1	458.6	465.6	480.6	500.5	523.8	551.8	585.1	622.1	666.1
45°	430.6	430.6	429.8	435.6	447.8	467.2	486.6	513.6	541.4	577.7	614.7
47.5°	404.5	402.1	402.8	405.9	416.1	432.1	451.6	473.7	498.3	528.9	561.4
50°	387.6	384.2	382.9	386.3	395.6	409.5	428.0	447.4	470.6	497.6	525.4
52.5°	369.1	365.7	363.5	365.8	374.4	387.3	404.1	421.1	442.0	463.9	488.0
55°	340.4	336.6	335.3	336.2	342.5	352.6	366.9	382.5	398.2	416.3	433.1
57.5°	312.2	305.9	304.8	304.4	308.7	318.0	329.9	343.5	354.8	365.8	383.7
60°	293.7	286.1	283.5	283.1	286.5	294.1	305.1	318.5	326.5	334.1	349.7
62.5°	273.8	266.5	260.9	261.6	264.6	271.8	281.5	291.2	296.5	304.8	315.3
65°	243.1	233.9	229.7	228.4	230.0	235.9	243.5	249.9	255.7	259.1	269.2
67.5°	212.5	204.7	198.4	196.9	196.1	200.2	206.4	210.2	214.4	217.4	223.4
70°	190.8	184.1	176.5	174.0	173.6	177.0	182.8	183.2	189.2	190.4	196.8
72.5°	169.6	161.2	156.0	153.4	151.7	154.7	158.6	159.7	162.9	165.2	168.4
75°	136.5	130.2	125.2	121.4	120.1	121.8	121.8	123.9	126.0	127.2	131.0
77.5°	107.4	100.2	94.2	92.1	90.5	89.4	90.3	91.6	90.5	92.8	93.6
80°	87.2	79.6	75.0	74.1	71.6	69.6	69.1	70.3	68.7	69.6	72.0
82.5°	67.3	62.4	57.4	56.6	53.4	52.4	51.9	51.2	51.2	51.0	51.5
85°	40.0	37.1	33.7	31.6	30.3	28.2	28.2	27.4	26.5	25.7	26.1
87.5°	20.4	19.6	17.5	16.2	15.2	13.5	13.2	11.6	10.9	10.1	9.3
90°	21.5	20.3	18.6	17.0	15.4	13.7	11.7	9.5	7.3	5.0	2.8
92.5°	20.8	19.5	17.9	16.2	14.6	13.0	12.1	12.0	11.9	11.7	11.6
95°	21.5	20.3	20.0	19.8	19.6	19.4	22.8	29.8	36.7	43.6	50.6
97.5°	24.4	24.3	47.1	69.9	92.8	115.6	124.8	120.5	116.2	111.9	107.5
100°	37.0	40.5	68.8	97.0	125.2	153.4	165.7	162.0	158.4	154.6	151.0
102.5°	157.6	195.1	198.8	202.5	206.2	209.8	210.3	207.6	204.9	202.2	199.6
105°	289.1	287.2	286.1	285.1	284.2	283.1	281.9	280.7	279.5	278.3	277.0
107.5°	358.9	358.1	356.6	355.3	353.9	352.5	351.5	350.9	350.3	349.7	349.0
110°	406.3	405.9	404.7	403.5	402.3	401.0	400.1	399.5	398.9	398.2	397.7



TEST NUMBER: P332616-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.3	452.3	451.8	451.1	450.6	450.0	449.2	448.1	446.9	445.9	444.8
115°	519.6	519.1	519.4	519.6	519.8	520.0	519.8	519.1	518.6	517.9	517.3
117.5°	588.3	588.4	588.0	587.5	587.0	586.5	585.9	585.1	584.3	583.4	582.7
120°	630.0	629.6	629.8	630.0	630.3	630.4	630.1	629.3	628.5	627.6	626.9
122.5°	671.8	671.6	671.3	671.0	670.7	670.4	670.0	669.6	669.1	668.6	668.0
125°	729.6	729.0	729.4	729.8	730.2	730.6	730.5	729.6	728.8	728.0	727.1
127.5°	788.1	788.3	787.3	786.4	785.4	784.5	783.9	783.8	783.5	783.3	783.2
130°	823.1	822.9	822.3	821.7	821.1	820.5	820.1	819.8	819.7	819.4	819.2
132.5°	857.7	857.5	856.7	856.0	855.2	854.4	853.8	853.5	853.1	852.7	852.4
135°	905.2	904.8	904.0	903.2	902.4	901.6	901.3	901.4	901.7	901.9	902.1
137.5°	950.9	950.5	949.6	948.7	947.8	946.9	946.4	946.3	946.3	946.2	946.1
140°	979.1	978.5	978.0	977.6	977.2	976.8	976.4	976.0	975.6	975.2	974.8
142.5°	1005.4	1005.0	1004.7	1004.5	1004.2	1004.0	1003.5	1002.7	1002.0	1001.3	1000.5
145°	1043.1	1042.9	1042.9	1042.9	1042.9	1042.9	1042.6	1042.0	1041.4	1040.8	1040.1
147.5°	1076.0	1075.9	1076.0	1076.3	1076.5	1076.7	1076.2	1075.1	1073.9	1072.8	1071.6
150°	1097.2	1097.2	1097.4	1097.6	1097.8	1098.0	1097.7	1096.9	1096.1	1095.3	1094.5
152.5°	1115.2	1114.9	1115.2	1115.6	1116.0	1116.3	1116.2	1115.6	1114.9	1114.3	1113.6
155°	1139.5	1138.6	1139.2	1139.9	1140.5	1141.1	1141.3	1141.1	1140.9	1140.7	1140.5
157.5°	1160.5	1159.4	1160.2	1160.9	1161.5	1162.2	1162.6	1162.8	1162.8	1163.0	1163.1
160°	1173.9	1172.7	1172.9	1173.1	1173.3	1173.5	1173.9	1174.6	1175.1	1175.8	1176.4
162.5°	1184.9	1183.8	1183.9	1184.2	1184.3	1184.6	1185.0	1185.8	1186.6	1187.4	1188.1
165°	1200.1	1198.5	1198.5	1198.5	1198.5	1198.5	1199.0	1200.0	1201.0	1202.1	1203.1
167.5°	1211.3	1209.5	1209.7	1209.7	1209.9	1210.0	1210.6	1211.6	1212.8	1213.8	1214.8
170°	1218.5	1216.9	1216.6	1216.5	1216.2	1216.1	1216.6	1217.8	1219.0	1220.3	1221.5
172.5°	1222.9	1221.3	1221.1	1220.9	1220.7	1220.4	1221.0	1222.2	1223.4	1224.6	1225.9
175°	1227.9	1226.1	1225.9	1225.7	1225.4	1225.3	1225.7	1227.0	1228.2	1229.5	1230.7
177.5°	1230.5	1229.2	1228.9	1228.5	1228.2	1227.9	1228.3	1229.5	1230.6	1231.8	1232.9
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1023.8	1027.1	1031.6	1038.9	1041.6	1045.0	1049.7	1049.4	1050.8	1055.8	1066.6
5°	1027.6	1040.6	1053.3	1068.4	1084.5	1095.0	1109.3	1118.2	1127.0	1138.4	1157.8
7.5°	1029.1	1049.8	1073.0	1099.6	1123.3	1150.6	1172.0	1192.0	1210.1	1234.1	1257.2
10°	1026.7	1054.6	1084.5	1118.2	1154.0	1184.3	1211.7	1242.9	1269.4	1298.5	1324.6
12.5°	1022.4	1055.9	1095.9	1133.7	1175.5	1220.4	1254.5	1286.0	1321.4	1354.8	1395.0
15°	1012.4	1058.4	1105.1	1154.8	1210.9	1262.7	1311.9	1352.8	1390.8	1440.9	1493.6
17.5°	999.8	1049.3	1108.3	1168.5	1227.0	1286.3	1347.3	1408.7	1456.6	1518.9	1560.0
20°	988.0	1045.3	1106.0	1177.6	1236.1	1309.9	1370.6	1430.0	1495.6	1557.6	1606.9
22.5°	971.5	1034.2	1098.5	1169.8	1246.9	1320.6	1390.8	1455.2	1520.9	1588.2	1648.0
25°	950.5	1007.3	1083.6	1164.5	1241.2	1321.2	1401.7	1482.6	1553.4	1624.6	1680.2
27.5°	914.7	986.6	1057.6	1141.1	1226.3	1316.8	1402.9	1487.6	1561.7	1620.3	1654.7
30°	896.6	958.9	1036.0	1119.8	1212.1	1309.5	1399.2	1482.2	1551.3	1598.1	1611.9
32.5°	869.6	934.0	1009.4	1096.2	1193.9	1294.0	1387.3	1465.7	1523.3	1547.8	1531.1
35°	829.6	887.7	963.9	1052.9	1154.4	1261.0	1353.3	1419.4	1448.9	1425.7	1368.0
37.5°	781.6	839.2	915.8	1003.1	1108.1	1216.5	1299.9	1347.5	1337.8	1280.1	1194.1
40°	747.8	801.8	874.6	969.0	1071.4	1180.1	1253.4	1279.1	1252.1	1169.6	1078.2
42.5°	710.4	763.0	836.2	927.2	1035.7	1135.9	1199.8	1201.9	1156.7	1058.0	966.2
45°	653.5	703.6	772.7	867.5	967.7	1062.2	1104.2	1083.6	1000.2	905.0	812.7
47.5°	597.2	640.7	708.8	798.8	894.1	973.5	994.3	957.2	868.3	775.9	690.4
50°	556.1	599.9	664.0	750.0	841.8	910.5	920.6	871.2	784.1	690.9	624.0
52.5°	516.7	560.2	621.9	701.4	785.5	847.4	847.8	790.8	703.9	620.8	558.6
55°	458.8	498.0	553.6	624.8	699.8	748.2	736.5	677.5	602.1	530.0	475.6
57.5°	403.1	437.1	488.4	547.8	613.9	653.8	634.2	577.4	510.1	449.0	407.8
60°	366.9	399.4	443.2	499.2	554.8	586.1	567.5	516.1	454.2	404.9	369.1
62.5°	331.9	359.3	401.4	450.0	501.6	524.7	508.2	457.5	403.9	359.4	330.3
65°	282.3	304.6	338.3	380.0	417.6	437.3	423.4	376.2	335.3	303.3	280.2
67.5°	235.9	253.3	278.9	312.4	344.2	354.9	342.3	309.4	274.8	249.1	232.8
70°	203.9	220.4	241.9	267.5	295.3	306.7	294.1	267.9	239.7	216.1	200.1
72.5°	175.9	188.7	206.8	228.8	250.5	261.9	253.3	228.1	204.3	186.8	173.2
75°	134.0	145.0	157.6	173.2	190.0	197.6	190.0	172.8	156.3	143.2	133.6
77.5°	97.4	103.3	113.0	124.7	135.2	141.1	134.5	122.8	112.7	103.8	99.0
80°	74.1	78.3	85.1	94.3	101.6	107.0	102.8	93.1	85.1	79.2	77.1
82.5°	53.9	56.8	61.2	68.0	72.9	75.7	73.8	66.8	63.5	58.3	56.2
85°	26.5	28.2	31.2	33.3	37.5	37.9	38.3	35.4	32.5	31.2	29.5
87.5°	10.1	10.9	12.4	13.8	15.5	16.2	16.2	16.6	15.5	15.4	14.3
90°	5.0	7.3	9.5	11.7	13.7	15.4	17.0	18.6	20.3	21.5	22.7
92.5°	11.7	11.9	12.0	12.1	13.0	14.6	16.2	17.9	19.5	20.8	21.9
95°	43.6	36.7	29.8	22.8	19.4	19.6	19.8	20.0	20.3	21.5	22.7
97.5°	111.9	116.2	120.5	124.8	115.6	92.8	69.9	47.1	24.3	24.4	24.6
100°	154.6	158.4	162.0	165.7	153.4	125.2	97.0	68.8	40.5	37.0	33.5
102.5°	202.2	204.9	207.6	210.3	209.8	206.2	202.5	198.8	195.1	157.6	120.1
105°	278.3	279.5	280.7	281.9	283.1	284.2	285.1	286.1	287.2	289.1	290.9
107.5°	349.7	350.3	350.9	351.5	352.5	353.9	355.3	356.6	358.1	358.9	359.9
110°	398.2	398.9	399.5	400.1	401.0	402.3	403.5	404.7	405.9	406.3	406.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	445.9	446.9	448.1	449.2	450.0	450.6	451.1	451.8	452.3	452.3	452.2
115°	517.9	518.6	519.1	519.8	520.0	519.8	519.6	519.4	519.1	519.6	520.0
117.5°	583.4	584.3	585.1	585.9	586.5	587.0	587.5	588.0	588.4	588.3	588.2
120°	627.6	628.5	629.3	630.1	630.4	630.3	630.0	629.8	629.6	630.0	630.4
122.5°	668.6	669.1	669.6	670.0	670.4	670.7	671.0	671.3	671.6	671.8	672.1
125°	728.0	728.8	729.6	730.5	730.6	730.2	729.8	729.4	729.0	729.6	730.2
127.5°	783.3	783.5	783.8	783.9	784.5	785.4	786.4	787.3	788.3	788.1	788.1
130°	819.4	819.7	819.8	820.1	820.5	821.1	821.7	822.3	822.9	823.1	823.3
132.5°	852.7	853.1	853.5	853.8	854.4	855.2	856.0	856.7	857.5	857.7	857.9
135°	901.9	901.7	901.4	901.3	901.6	902.4	903.2	904.0	904.8	905.2	905.6
137.5°	946.2	946.3	946.3	946.4	946.9	947.8	948.7	949.6	950.5	950.9	951.4
140°	975.2	975.6	976.0	976.4	976.8	977.2	977.6	978.0	978.5	979.1	979.7
142.5°	1001.3	1002.0	1002.7	1003.5	1004.0	1004.2	1004.5	1004.7	1005.0	1005.4	1005.9
145°	1040.8	1041.4	1042.0	1042.6	1042.9	1042.9	1042.9	1042.9	1042.9	1043.1	1043.3
147.5°	1072.8	1073.9	1075.1	1076.2	1076.7	1076.5	1076.3	1076.0	1075.9	1076.0	1076.2
150°	1095.3	1096.1	1096.9	1097.7	1098.0	1097.8	1097.6	1097.4	1097.2	1097.2	1097.2
152.5°	1114.3	1114.9	1115.6	1116.2	1116.3	1116.0	1115.6	1115.2	1114.9	1115.2	1115.6
155°	1140.7	1140.9	1141.1	1141.3	1141.1	1140.5	1139.9	1139.2	1138.6	1139.5	1140.3
157.5°	1163.0	1162.8	1162.8	1162.6	1162.2	1161.5	1160.9	1160.2	1159.4	1160.5	1161.6
160°	1175.8	1175.1	1174.6	1173.9	1173.5	1173.3	1173.1	1172.9	1172.7	1173.9	1175.1
162.5°	1187.4	1186.6	1185.8	1185.0	1184.6	1184.3	1184.2	1183.9	1183.8	1184.9	1186.2
165°	1202.1	1201.0	1200.0	1199.0	1198.5	1198.5	1198.5	1198.5	1198.5	1200.1	1201.7
167.5°	1213.8	1212.8	1211.6	1210.6	1210.0	1209.9	1209.7	1209.7	1209.5	1211.3	1213.1
170°	1220.3	1219.0	1217.8	1216.6	1216.1	1216.2	1216.5	1216.6	1216.9	1218.5	1220.1
172.5°	1224.6	1223.4	1222.2	1221.0	1220.4	1220.7	1220.9	1221.1	1221.3	1222.9	1224.6
175°	1229.5	1228.2	1227.0	1225.7	1225.3	1225.4	1225.7	1225.9	1226.1	1227.9	1229.8
177.5°	1231.8	1230.6	1229.5	1228.3	1227.9	1228.2	1228.5	1228.9	1229.2	1230.5	1231.8
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1072.0	1072.7	1075.7	1078.1	1078.7	1082.1	1082.4
5°	1166.2	1173.4	1187.2	1188.5	1190.6	1201.6	1193.2
7.5°	1276.6	1294.7	1306.9	1317.6	1321.5	1326.3	1325.3
10°	1347.3	1374.4	1387.8	1409.3	1410.2	1415.6	1412.2
12.5°	1418.5	1449.9	1474.4	1478.4	1496.4	1499.2	1504.0
15°	1519.2	1552.5	1586.7	1598.9	1623.7	1629.7	1638.9
17.5°	1614.0	1648.0	1671.9	1703.5	1713.7	1727.4	1718.1
20°	1665.9	1703.0	1733.3	1758.2	1768.7	1776.2	1775.4
22.5°	1697.3	1734.6	1759.2	1778.1	1787.9	1791.1	1790.9
25°	1716.8	1738.4	1745.9	1753.1	1742.2	1738.4	1740.0
27.5°	1662.2	1656.7	1636.9	1610.9	1584.0	1562.6	1550.9
30°	1587.1	1554.3	1524.3	1472.0	1445.1	1429.1	1414.8
32.5°	1480.6	1428.5	1371.0	1323.1	1292.4	1268.7	1265.1
35°	1298.1	1219.7	1149.4	1090.8	1060.4	1034.7	1028.8
37.5°	1103.6	1022.2	958.9	907.3	874.6	856.5	839.6
40°	974.5	904.6	842.2	798.4	773.6	760.5	750.0
42.5°	875.0	811.2	749.2	715.8	693.3	685.3	679.1
45°	737.7	678.3	635.3	610.1	597.0	583.5	577.2
47.5°	627.7	579.4	551.0	529.6	515.6	507.6	503.6
50°	565.4	525.8	500.5	484.1	471.4	465.1	461.8
52.5°	510.1	477.6	456.4	443.3	434.7	430.1	428.7
55°	439.4	414.5	401.1	389.8	383.4	379.2	377.5
57.5°	382.0	362.8	351.9	342.5	340.1	336.5	335.3
60°	344.2	329.5	320.2	313.9	311.8	307.5	308.4
62.5°	310.9	298.8	290.9	287.2	284.5	280.9	282.1
65°	262.9	254.1	249.9	246.4	243.1	241.0	242.6
67.5°	220.6	214.5	208.8	206.8	205.2	204.9	203.0
70°	193.0	187.9	182.8	181.6	181.6	179.9	179.5
72.5°	166.4	162.6	159.2	158.4	157.0	157.6	155.9
75°	128.5	125.6	124.3	123.0	122.6	122.6	121.4
77.5°	95.0	92.8	90.8	90.8	89.2	88.6	88.5
80°	72.0	71.2	69.6	69.6	68.7	69.1	68.3
82.5°	54.2	53.0	52.7	52.0	50.8	50.9	50.1
85°	29.1	27.8	27.4	26.1	25.3	26.1	25.3
87.5°	14.9	14.8	14.7	14.0	13.8	13.9	12.9
90°	23.9	25.2	26.0	26.4	26.8	27.2	27.6
92.5°	23.2	24.4	25.1	25.2	25.3	25.3	25.4
95°	23.9	25.2	25.9	26.1	26.3	26.5	26.7
97.5°	24.6	24.8	25.0	25.2	25.3	25.6	25.7
100°	30.1	26.6	25.0	25.2	25.3	25.6	25.7
102.5°	82.6	45.1	26.4	26.4	26.5	26.5	26.5
105°	292.7	294.5	291.8	284.4	277.0	269.7	262.4
107.5°	360.8	361.6	362.5	363.3	364.1	364.8	365.6
110°	407.2	407.6	408.1	408.7	409.3	410.0	410.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	452.1	452.0	452.3	453.1	453.9	454.7	455.4
115°	520.4	520.8	521.0	521.0	521.0	521.0	521.0
117.5°	588.1	588.0	588.0	587.9	587.8	587.7	587.6
120°	630.8	631.2	631.2	630.8	630.4	630.0	629.6
122.5°	672.3	672.6	672.5	672.1	671.7	671.2	670.8
125°	730.9	731.5	731.9	732.1	732.3	732.5	732.7
127.5°	787.9	787.8	787.7	787.5	787.3	787.2	787.0
130°	823.6	823.7	823.8	823.8	823.8	823.8	823.8
132.5°	858.2	858.3	858.3	858.2	858.0	857.9	857.7
135°	906.0	906.5	906.9	907.3	907.7	908.1	908.5
137.5°	951.8	952.3	952.4	952.4	952.2	952.0	952.0
140°	980.3	981.0	981.4	981.5	981.8	981.9	982.1
142.5°	1006.3	1006.8	1007.0	1007.1	1007.1	1007.2	1007.2
145°	1043.5	1043.7	1044.0	1044.4	1044.8	1045.3	1045.7
147.5°	1076.3	1076.5	1076.7	1076.9	1077.1	1077.3	1077.5
150°	1097.2	1097.2	1097.3	1097.5	1097.7	1098.0	1098.1
152.5°	1115.9	1116.2	1116.3	1116.2	1116.0	1115.9	1115.8
155°	1141.1	1141.9	1142.0	1141.4	1140.7	1140.2	1139.6
157.5°	1162.6	1163.7	1163.7	1162.6	1161.6	1160.5	1159.4
160°	1176.4	1177.6	1177.6	1176.4	1175.1	1173.9	1172.7
162.5°	1187.4	1188.7	1188.6	1187.2	1185.8	1184.4	1183.0
165°	1203.4	1205.0	1204.9	1203.1	1201.2	1199.4	1197.5
167.5°	1214.9	1216.7	1216.6	1214.6	1212.5	1210.5	1208.4
170°	1221.8	1223.4	1223.2	1221.1	1219.1	1217.1	1215.0
172.5°	1226.2	1227.8	1227.6	1225.3	1223.1	1220.9	1218.7
175°	1231.6	1233.4	1233.1	1230.7	1228.2	1225.7	1223.3
177.5°	1233.1	1234.5	1234.1	1232.2	1230.2	1228.2	1226.3
180°	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7	1230.7

(END OF REPORT)