

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: P332617-930

Luminaire Tested: **S124DIP-S795D1205U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332617-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S795D1205U930-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6289.6 lumens  
Efficiency: N/A  
Efficacy: 110.5 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

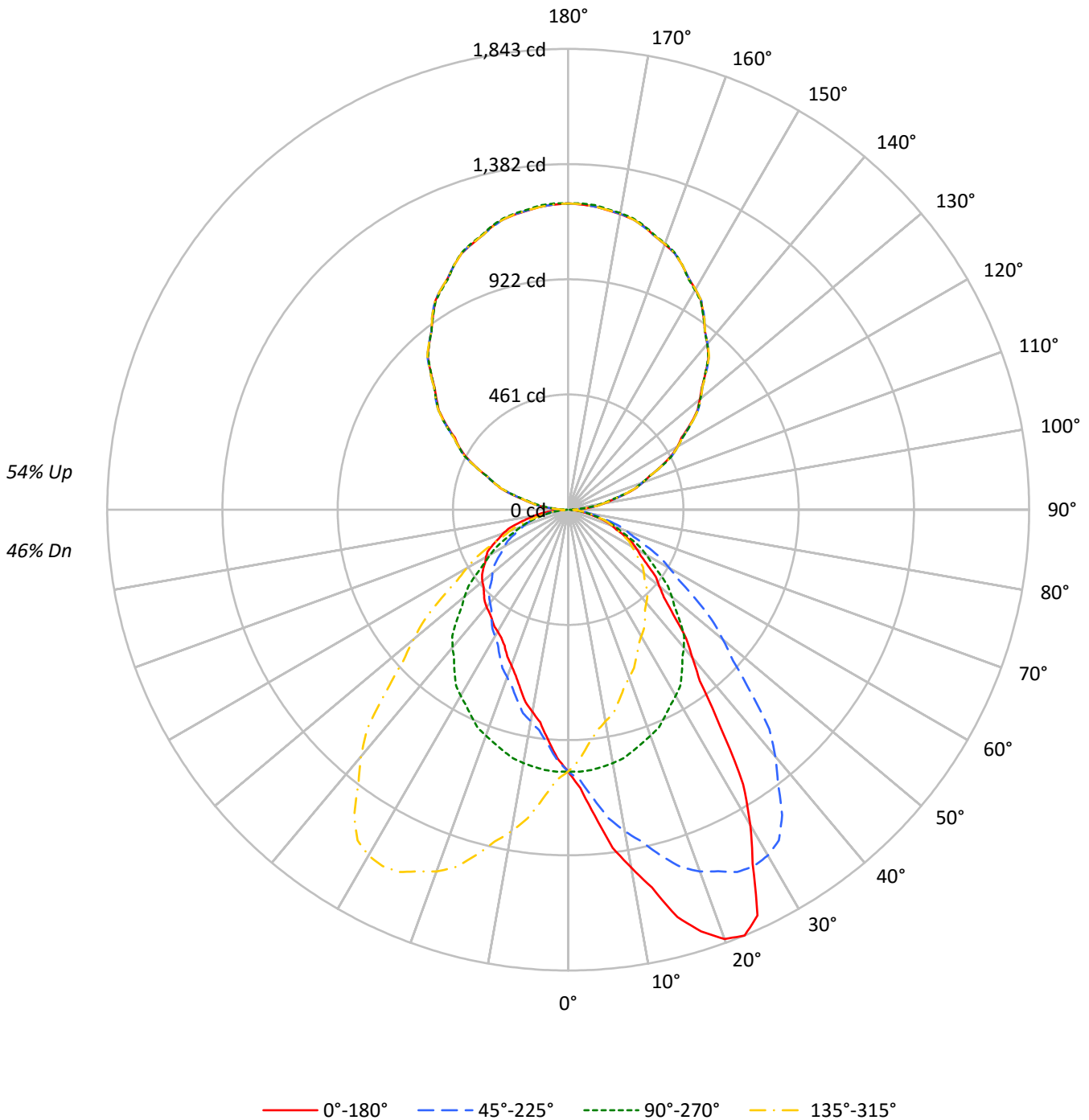
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	34	32	28				
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	35	30	33	29	26	27	24	22	19				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12				

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

	0°	90°	180°	270°
0°	8451	8451	8451	8451
5°	9951	8473	7478	8473
10°	11914	8435	6733	8435
15°	14098	8350	6182	8350
20°	15698	8262	5692	8262
25°	15952	8134	5353	8134
30°	13573	8011	5246	8011
35°	10435	7811	5248	7811
40°	8134	7576	5347	7576
45°	6782	7223	5436	7223
50°	5968	6791	5620	6791
55°	5468	6273	5847	6273
60°	5125	5811	6119	5811
65°	4770	5291	6346	5291
70°	4360	4780	6489	4780
75°	3896	4208	6410	4208
80°	3268	3445	6206	3445
85°	2408	2492	5947	2492



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.0	1.6
10°-20°	314.3	5.0
20°-30°	498.4	7.9
30°-40°	554.7	8.8
40°-50°	504.9	8.0
50°-60°	412.6	6.6
60°-70°	294.6	4.7
70°-80°	162.2	2.6
80°-90°	47.9	0.8
90°-100°	80.8	1.3
100°-110°	239.3	3.8
110°-120°	406.2	6.5
120°-130°	535.6	8.5
130°-140°	601.5	9.6
140°-150°	591.0	9.4
150°-160°	497.1	7.9
160°-170°	330.7	5.3
170°-180°	115.8	1.8
0°-30°	914.7	14.5
0°-40°	1469.4	23.4
0°-60°	2386.9	38.0
0°-90°	2891.6	46.0
90°-120°	726.2	11.5
90°-150°	2454.3	39.0
90°-180°	3398.0	54.0
0°-180°	6289.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1047	1047	1047	1047	1047	
5°	1228	1046	923	1046	1228	125
15°	1687	999	740	999	1687	477
25°	1791	913	601	913	1791	789
35°	1059	793	532	793	1059	672
45°	594	633	476	633	594	468
55°	388	446	415	446	388	351
65°	250	277	332	277	250	247
75°	125	135	206	135	125	133
85°	26	27	64	27	26	32
90°	28	3	28	3	28	15
95°	75	57	75	57	75	78
105°	231	221	231	221	231	244
115°	409	413	409	413	409	404
125°	597	601	597	601	597	532
135°	777	776	777	776	777	600
145°	944	942	944	942	944	590
155°	1079	1080	1079	1080	1079	497
165°	1173	1176	1173	1176	1173	330
175°	1217	1223	1217	1223	1217	116
180°	1225	1225	1225	1225	1225	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1114.0	1113.7	1110.2	1109.5	1107.1	1104.0	1103.3	1097.7	1086.6	1081.4	1080.0
5°	1228.0	1236.6	1225.4	1223.2	1221.9	1207.6	1200.2	1191.6	1171.6	1159.9	1150.8
7.5°	1364.0	1365.0	1360.1	1356.1	1345.1	1332.5	1313.9	1293.9	1270.2	1245.4	1226.8
10°	1453.4	1456.9	1451.3	1450.4	1428.3	1414.5	1386.7	1363.3	1336.4	1306.4	1279.1
12.5°	1547.8	1543.0	1540.1	1521.5	1517.4	1492.2	1459.9	1435.7	1394.3	1359.9	1323.6
15°	1686.8	1677.2	1671.1	1645.5	1633.0	1597.8	1563.6	1537.2	1482.9	1431.3	1392.3
17.5°	1768.2	1777.8	1763.7	1753.2	1720.7	1696.1	1661.1	1605.6	1563.2	1499.1	1449.8
20°	1827.2	1828.1	1820.3	1809.5	1783.9	1752.6	1714.5	1653.8	1603.0	1539.3	1471.7
22.5°	1843.1	1843.4	1840.0	1829.9	1810.5	1785.3	1746.8	1696.1	1634.6	1565.3	1497.7
25°	1790.8	1789.1	1793.0	1804.3	1796.8	1789.1	1766.9	1729.2	1672.0	1598.7	1525.8
27.5°	1596.2	1608.2	1630.2	1657.9	1684.7	1705.0	1710.7	1703.0	1667.5	1607.3	1531.0
30°	1456.0	1470.8	1487.3	1515.0	1568.8	1599.6	1633.4	1659.0	1644.7	1596.5	1525.4
32.5°	1302.0	1305.7	1330.2	1361.7	1411.0	1470.2	1523.8	1575.7	1593.0	1567.7	1508.5
35°	1058.8	1064.9	1091.4	1122.6	1182.9	1255.3	1335.9	1407.9	1467.3	1491.2	1460.9
37.5°	864.1	881.5	900.2	933.8	986.8	1052.0	1135.8	1228.9	1317.4	1376.8	1386.8
40°	771.8	782.7	796.1	821.7	866.7	931.0	1002.9	1109.6	1203.7	1288.7	1316.5
42.5°	699.0	705.3	713.5	736.7	771.0	834.9	900.6	994.4	1088.9	1190.5	1237.0
45°	594.0	600.5	614.4	627.9	653.9	698.1	759.2	836.4	931.4	1029.4	1115.2
47.5°	518.3	522.4	530.7	545.0	567.1	596.3	646.0	710.5	798.5	893.6	985.1
50°	475.2	478.7	485.2	498.2	515.1	541.1	581.9	642.2	711.1	807.0	896.7
52.5°	441.2	442.6	447.4	456.2	469.7	491.5	525.0	574.9	639.0	724.4	813.8
55°	388.5	390.3	394.6	401.1	412.8	426.6	452.2	489.5	545.5	619.6	697.2
57.5°	345.1	346.3	350.0	352.5	362.2	373.4	393.1	419.7	462.1	525.0	594.3
60°	317.4	316.5	320.9	323.0	329.5	339.1	354.2	379.8	416.7	467.4	531.2
62.5°	290.3	289.1	292.8	295.6	299.4	307.5	319.9	340.0	369.9	415.7	470.8
65°	249.7	248.0	250.2	253.6	257.1	261.5	270.6	288.4	312.2	345.1	387.2
67.5°	209.0	210.8	211.2	212.9	214.9	220.8	227.1	239.6	256.4	282.8	318.5
70°	184.7	185.2	186.9	186.9	188.2	193.4	198.6	205.9	222.4	246.7	275.7
72.5°	160.5	162.2	161.6	163.0	163.9	167.4	171.2	178.2	192.2	210.3	234.8
75°	124.9	126.2	126.2	126.6	127.9	129.2	132.2	137.5	147.4	160.9	177.8
77.5°	91.1	91.2	91.8	93.4	93.4	95.5	97.8	101.9	106.8	116.0	126.4
80°	70.3	71.1	70.7	71.6	71.6	73.3	74.1	79.3	81.5	87.6	95.8
82.5°	51.5	52.3	52.3	53.5	54.2	54.5	55.8	57.8	60.0	65.4	68.7
85°	26.0	26.9	26.0	26.9	28.2	28.6	29.9	30.3	32.1	33.4	36.4
87.5°	13.3	14.3	14.2	14.4	15.1	15.2	15.3	14.8	15.9	16.0	17.0
90°	28.5	28.0	27.6	27.1	26.7	25.9	24.6	23.4	22.1	20.9	19.2
92.5°	42.1	41.8	41.6	41.3	41.0	40.5	39.8	39.1	38.2	37.5	36.4
95°	74.8	74.8	74.8	74.8	74.8	74.5	73.9	73.2	72.6	72.0	70.5
97.5°	117.2	117.2	117.2	117.2	117.2	116.9	116.1	115.4	114.6	113.8	112.1
100°	146.8	146.8	146.8	146.8	146.8	146.6	146.2	145.8	145.4	145.0	143.0
102.5°	180.2	180.0	179.9	179.7	179.4	179.1	178.6	177.9	177.3	176.8	175.0
105°	231.1	230.5	229.8	229.3	228.6	228.0	227.3	226.7	226.1	225.4	224.6
107.5°	280.8	280.8	280.9	280.9	281.0	280.6	280.1	279.5	278.9	278.3	278.2
110°	316.3	315.8	315.1	314.5	313.8	313.7	314.1	314.5	315.0	315.4	315.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	352.8	352.6	352.5	352.4	352.2	352.2	352.3	352.4	352.5	352.5	352.9
115°	409.2	409.4	409.6	409.9	410.0	410.3	410.4	410.7	410.9	411.1	411.5
117.5°	463.0	463.4	463.8	464.2	464.7	465.2	465.9	466.7	467.4	468.1	468.4
120°	503.9	503.5	503.0	502.6	502.2	502.6	503.6	504.7	505.7	506.8	507.4
122.5°	538.0	538.7	539.6	540.3	541.0	541.8	542.5	543.2	544.0	544.6	544.9
125°	596.7	597.1	597.6	598.0	598.4	598.8	599.2	599.7	600.1	600.5	600.7
127.5°	651.1	651.4	651.8	652.2	652.5	652.8	653.3	653.7	654.1	654.5	654.8
130°	686.7	687.5	688.4	689.3	690.1	690.7	691.1	691.5	692.0	692.4	692.4
132.5°	724.6	725.0	725.3	725.6	725.9	726.4	726.8	727.2	727.6	728.1	728.2
135°	776.7	777.3	778.0	778.6	779.3	779.8	780.2	780.6	781.1	781.5	781.5
137.5°	831.4	831.4	831.2	831.1	831.0	831.2	831.7	832.3	832.8	833.3	833.0
140°	864.8	865.0	865.2	865.4	865.7	865.8	866.1	866.3	866.5	866.7	866.7
142.5°	898.1	898.2	898.2	898.3	898.3	898.4	898.4	898.5	898.5	898.5	898.7
145°	943.5	944.0	944.7	945.3	945.9	946.4	946.6	946.8	947.0	947.2	947.0
147.5°	989.3	989.4	989.7	989.9	990.1	990.3	990.5	990.7	990.8	991.0	991.2
150°	1017.3	1017.5	1017.7	1017.9	1018.1	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2
152.5°	1043.1	1043.6	1044.2	1044.7	1045.3	1045.3	1044.8	1044.2	1043.7	1043.3	1043.1
155°	1078.9	1079.7	1080.6	1081.4	1082.2	1082.2	1081.4	1080.6	1079.7	1078.9	1079.0
157.5°	1110.9	1111.6	1112.3	1113.0	1113.8	1113.8	1113.1	1112.6	1111.9	1111.3	1111.3
160°	1129.1	1130.2	1131.1	1132.2	1133.3	1133.5	1132.9	1132.2	1131.6	1131.0	1131.1
162.5°	1148.0	1149.1	1150.1	1151.2	1152.3	1152.2	1151.0	1149.9	1148.8	1147.6	1147.9
165°	1172.6	1173.5	1174.4	1175.2	1176.0	1175.8	1174.5	1173.3	1172.0	1170.8	1171.2
167.5°	1190.3	1191.6	1192.9	1194.2	1195.5	1195.5	1194.3	1192.9	1191.7	1190.4	1190.4
170°	1200.1	1201.6	1203.1	1204.5	1206.0	1206.2	1204.8	1203.6	1202.3	1201.1	1200.9
172.5°	1208.4	1209.9	1211.4	1212.8	1214.4	1214.4	1212.9	1211.5	1210.1	1208.7	1208.6
175°	1217.2	1218.6	1220.1	1221.6	1223.0	1223.0	1221.6	1220.1	1218.6	1217.2	1217.4
177.5°	1221.7	1223.0	1224.4	1225.7	1227.1	1227.2	1226.0	1224.8	1223.7	1222.5	1222.5
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1080.4	1075.5	1072.0	1069.3	1061.7	1057.1	1053.7	1048.8	1043.3	1037.4	1030.0
5°	1141.7	1126.9	1116.1	1099.6	1084.0	1071.0	1057.6	1045.5	1030.7	1014.6	1002.9
7.5°	1206.2	1184.2	1156.1	1131.7	1104.3	1080.4	1059.2	1037.3	1014.6	992.5	972.3
10°	1247.1	1218.9	1187.6	1150.8	1116.1	1085.3	1056.7	1029.0	1002.1	975.2	952.2
12.5°	1291.1	1256.0	1209.8	1166.8	1127.9	1086.7	1052.2	1018.2	985.8	957.5	930.7
15°	1350.2	1299.5	1246.2	1188.5	1137.3	1089.2	1042.0	999.1	962.6	925.3	899.3
17.5°	1386.6	1323.8	1262.8	1202.6	1140.7	1079.9	1029.0	979.4	933.8	896.7	864.0
20°	1410.5	1348.1	1272.2	1211.9	1138.2	1075.8	1016.8	961.7	914.0	874.6	840.7
22.5°	1431.3	1359.2	1283.3	1204.0	1130.6	1064.4	999.8	944.4	895.7	854.1	821.7
25°	1442.6	1359.8	1277.4	1198.5	1115.2	1036.7	978.2	913.2	861.1	817.3	782.7
27.5°	1443.8	1355.3	1262.1	1174.4	1088.4	1015.4	941.4	883.4	829.3	783.0	749.7
30°	1440.0	1347.7	1247.5	1152.5	1066.2	986.9	922.8	859.4	804.4	758.4	723.7
32.5°	1427.8	1331.7	1228.7	1128.2	1038.9	961.2	895.0	834.8	781.1	735.8	699.4
35°	1392.8	1297.8	1188.1	1083.6	992.1	913.6	853.8	792.6	738.9	695.9	660.8
37.5°	1337.8	1252.0	1140.4	1032.3	942.5	863.6	804.4	749.1	700.6	657.0	621.0
40°	1290.0	1214.6	1102.7	997.3	900.2	825.2	769.6	718.9	670.8	629.6	595.3
42.5°	1234.9	1169.1	1065.9	954.3	860.6	785.3	731.2	685.6	640.3	602.2	567.9
45°	1136.4	1093.2	996.0	892.8	795.2	724.1	672.5	632.7	594.5	557.2	528.6
47.5°	1023.4	1001.9	920.1	822.1	729.5	659.4	614.7	577.8	544.4	512.8	487.5
50°	947.5	937.0	866.3	771.8	683.4	617.4	572.3	540.7	512.1	484.4	460.5
52.5°	872.5	872.1	808.5	721.9	640.0	576.5	531.7	502.2	477.4	454.9	433.4
55°	758.0	770.1	720.2	643.0	569.7	512.5	472.2	445.7	428.4	409.8	393.7
57.5°	652.7	672.9	631.8	563.8	502.6	449.9	414.8	394.9	376.4	365.2	353.5
60°	584.1	603.2	571.0	513.8	456.2	411.1	377.6	359.9	343.8	336.1	327.8
62.5°	523.0	540.1	516.2	463.2	413.1	369.8	341.6	324.5	313.6	305.2	299.7
65°	435.8	450.0	429.7	391.1	348.2	313.5	290.5	277.0	266.7	263.2	257.1
67.5°	352.3	365.3	354.2	321.5	287.1	260.7	242.8	229.9	223.7	220.7	216.4
70°	302.6	315.7	303.9	275.3	248.9	226.8	209.9	202.5	196.0	194.7	188.6
72.5°	260.7	269.5	257.8	235.5	212.8	194.2	181.1	173.3	170.0	167.6	164.4
75°	195.6	203.3	195.6	178.2	162.2	149.2	137.9	134.9	130.9	129.6	127.5
77.5°	138.4	145.2	139.2	128.3	116.3	106.3	100.3	96.4	95.5	93.2	94.2
80°	105.8	110.1	104.5	97.1	87.6	80.6	76.3	74.1	71.6	70.7	72.4
82.5°	76.0	77.9	75.0	70.0	62.9	58.5	55.5	53.0	52.5	52.7	52.7
85°	39.5	39.1	38.6	34.2	32.1	29.0	27.3	26.9	26.4	27.3	28.2
87.5°	16.7	16.7	16.0	14.2	12.7	11.2	10.4	9.6	10.4	11.2	12.0
90°	17.4	15.8	14.1	12.1	9.8	7.5	5.1	2.9	5.1	7.5	9.8
92.5°	35.1	34.0	32.8	30.9	28.2	25.6	22.9	20.3	22.9	25.6	28.2
95°	69.1	67.6	66.1	64.4	62.5	60.7	58.7	56.8	58.7	60.7	62.5
97.5°	110.4	108.7	107.0	105.3	103.8	102.3	100.8	99.3	100.8	102.3	103.8
100°	141.1	139.3	137.4	136.0	135.1	134.3	133.5	132.6	133.5	134.3	135.1
102.5°	173.3	171.5	169.8	168.8	168.4	168.1	167.8	167.5	167.8	168.1	168.4
105°	223.7	222.9	222.1	221.5	221.4	221.1	220.9	220.7	220.9	221.1	221.4
107.5°	278.0	277.9	277.8	277.6	277.4	277.1	276.9	276.5	276.9	277.1	277.4
110°	315.8	316.1	316.3	316.2	315.8	315.3	314.9	314.5	314.9	315.3	315.8





TEST NUMBER: P332617-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	353.4	353.7	354.1	354.2	354.2	354.1	354.0	353.8	354.0	354.1	354.2
115°	412.0	412.4	412.8	412.9	412.9	412.9	412.9	412.9	412.9	412.9	412.9
117.5°	468.7	469.0	469.3	469.4	469.2	469.0	468.9	468.7	468.9	469.0	469.2
120°	508.0	508.7	509.3	509.2	508.3	507.5	506.6	505.8	506.6	507.5	508.3
122.5°	545.3	545.5	545.8	545.8	545.4	545.1	544.8	544.5	544.8	545.1	545.4
125°	601.0	601.2	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4	601.4
127.5°	655.2	655.5	655.9	655.7	655.1	654.4	653.9	653.2	653.9	654.4	655.1
130°	692.4	692.4	692.4	692.1	691.5	690.8	690.2	689.6	690.2	690.8	691.5
132.5°	728.4	728.6	728.7	728.6	728.1	727.7	727.2	726.7	727.2	727.7	728.1
135°	781.5	781.5	781.5	780.8	779.6	778.3	777.1	775.8	777.1	778.3	779.6
137.5°	832.7	832.3	832.0	831.5	831.0	830.4	829.8	829.2	829.8	830.4	831.0
140°	866.7	866.7	866.7	866.5	866.1	865.7	865.2	864.8	865.2	865.7	866.1
142.5°	898.9	899.0	899.2	899.1	898.6	898.2	897.8	897.4	897.8	898.2	898.6
145°	946.8	946.6	946.4	945.8	945.0	944.2	943.3	942.5	943.3	944.2	945.0
147.5°	991.3	991.5	991.6	991.2	990.2	989.2	988.2	987.2	988.2	989.2	990.2
150°	1018.2	1018.2	1018.2	1017.8	1017.0	1016.2	1015.3	1014.5	1015.3	1016.2	1017.0
152.5°	1042.9	1042.8	1042.6	1042.3	1041.7	1041.2	1040.7	1040.2	1040.7	1041.2	1041.7
155°	1079.3	1079.5	1079.7	1079.8	1079.8	1079.8	1079.8	1079.8	1079.8	1079.8	1079.8
157.5°	1111.3	1111.4	1111.4	1111.7	1112.1	1112.4	1112.8	1113.1	1112.8	1112.4	1112.1
160°	1131.4	1131.6	1131.8	1132.0	1132.2	1132.5	1132.7	1132.9	1132.7	1132.5	1132.2
162.5°	1148.1	1148.3	1148.5	1148.8	1149.4	1150.0	1150.5	1151.0	1150.5	1150.0	1149.4
165°	1171.6	1172.0	1172.4	1173.0	1173.6	1174.2	1174.8	1175.5	1174.8	1174.2	1173.6
167.5°	1190.3	1190.3	1190.3	1190.7	1191.6	1192.5	1193.4	1194.3	1193.4	1192.5	1191.6
170°	1200.6	1200.4	1200.2	1200.6	1201.7	1202.7	1203.8	1204.8	1203.8	1202.7	1201.7
172.5°	1208.6	1208.5	1208.4	1208.9	1209.7	1210.6	1211.5	1212.4	1211.5	1210.6	1209.7
175°	1217.6	1217.8	1218.0	1218.6	1219.7	1220.7	1221.8	1222.9	1221.8	1220.7	1219.7
177.5°	1222.5	1222.5	1222.5	1222.9	1223.8	1224.6	1225.4	1226.3	1225.4	1224.6	1223.8
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



TEST NUMBER: P332617-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1026.6	1023.5	1019.0	1012.8	1007.5	1002.0	1000.6	998.5	1002.7	999.2	998.2
5°	993.0	983.8	972.2	958.7	950.9	939.6	937.4	933.1	928.8	928.4	924.0
7.5°	957.3	944.0	928.6	914.9	902.2	889.9	881.9	880.1	873.8	870.0	865.7
10°	934.4	917.9	900.2	887.1	872.5	859.4	850.3	845.1	840.7	836.0	831.7
12.5°	907.3	889.8	875.2	861.1	843.6	833.7	818.7	809.8	808.9	808.9	797.7
15°	875.9	858.5	836.0	816.0	806.5	787.4	779.2	768.7	762.3	755.8	750.6
17.5°	839.9	818.3	800.7	777.8	759.6	744.4	733.6	727.3	717.5	708.3	701.6
20°	817.3	794.3	775.8	751.5	731.5	712.8	703.8	695.0	687.7	679.9	672.5
22.5°	794.4	770.5	747.6	724.1	705.5	685.8	677.0	665.2	658.2	653.9	646.5
25°	758.4	732.4	706.4	683.8	664.7	647.3	635.7	626.6	618.7	615.3	610.5
27.5°	719.2	693.3	668.2	642.6	620.9	608.4	599.0	592.2	587.6	583.0	580.9
30°	694.2	667.3	640.4	616.6	596.6	584.1	575.4	570.6	567.1	565.0	562.8
32.5°	668.9	642.4	614.1	592.3	574.5	563.3	556.7	551.9	550.2	549.3	548.6
35°	628.3	601.4	575.4	555.9	539.0	534.7	529.0	526.4	525.5	528.6	529.9
37.5°	589.0	564.0	540.1	521.2	510.1	503.8	501.8	502.0	505.1	507.8	510.9
40°	563.7	539.4	516.9	500.3	490.0	486.1	485.2	487.4	490.8	493.9	497.3
42.5°	539.1	515.1	494.6	479.2	472.0	468.4	468.9	471.1	475.9	479.6	484.9
45°	500.8	480.9	460.9	448.3	442.3	443.1	443.1	447.0	451.8	457.5	463.1
47.5°	464.8	444.7	428.3	417.8	414.6	413.8	416.3	421.3	428.2	435.2	443.0
50°	440.5	421.4	407.2	397.6	394.1	395.4	398.9	403.7	411.9	420.6	428.8
52.5°	415.9	398.6	385.3	376.4	374.1	376.3	379.8	387.3	394.6	404.0	413.9
55°	377.6	362.9	352.5	346.0	345.1	346.4	350.3	358.6	369.0	380.7	390.3
57.5°	339.6	327.3	317.7	313.2	313.6	314.9	321.3	331.1	342.2	354.7	367.0
60°	314.0	302.6	294.9	291.4	291.8	294.4	302.2	311.4	325.2	337.4	350.3
62.5°	289.7	279.7	272.3	269.2	268.6	274.3	281.8	291.2	305.1	318.6	332.6
65°	250.6	242.8	236.8	235.1	236.4	240.7	250.2	262.8	274.5	288.8	303.5
67.5°	212.5	206.0	201.9	202.7	204.2	210.7	218.7	229.4	242.7	257.6	272.1
70°	188.2	182.1	178.6	179.0	181.6	189.5	196.4	207.2	221.6	236.8	248.9
72.5°	163.2	159.2	156.1	157.9	160.5	165.9	174.6	185.4	198.0	212.1	224.9
75°	125.3	125.3	123.6	124.9	128.8	134.0	140.5	151.7	164.4	175.6	186.1
77.5°	92.9	92.0	93.1	94.7	96.9	103.1	110.6	118.6	128.1	139.3	148.0
80°	71.1	71.6	73.7	76.3	77.2	81.9	89.8	97.1	104.5	114.1	122.3
82.5°	53.4	53.9	55.0	58.3	59.1	64.2	69.3	76.6	83.3	89.8	96.6
85°	29.0	29.0	31.2	32.5	34.7	38.2	41.2	45.5	51.6	55.9	62.5
87.5°	13.5	13.9	15.7	16.7	18.0	20.1	21.0	25.1	26.7	28.8	32.0
90°	12.1	14.1	15.8	17.4	19.2	20.9	22.1	23.4	24.6	25.9	26.7
92.5°	30.9	32.8	34.0	35.1	36.4	37.5	38.2	39.1	39.8	40.5	41.0
95°	64.4	66.1	67.6	69.1	70.5	72.0	72.6	73.2	73.9	74.5	74.8
97.5°	105.3	107.0	108.7	110.4	112.1	113.8	114.6	115.4	116.1	116.9	117.2
100°	136.0	137.4	139.3	141.1	143.0	145.0	145.4	145.8	146.2	146.6	146.8
102.5°	168.8	169.8	171.5	173.3	175.0	176.8	177.3	177.9	178.6	179.1	179.4
105°	221.5	222.1	222.9	223.7	224.6	225.4	226.1	226.7	227.3	228.0	228.6
107.5°	277.6	277.8	277.9	278.0	278.2	278.3	278.9	279.5	280.1	280.6	281.0
110°	316.2	316.3	316.1	315.8	315.6	315.4	315.0	314.5	314.1	313.7	313.8



TEST NUMBER: P332617-930

CATALOG NUMBER: S124DIP-S795D1205U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	354.2	354.1	353.7	353.4	352.9	352.5	352.5	352.4	352.3	352.2	352.2
115°	412.9	412.8	412.4	412.0	411.5	411.1	410.9	410.7	410.4	410.3	410.0
117.5°	469.4	469.3	469.0	468.7	468.4	468.1	467.4	466.7	465.9	465.2	464.7
120°	509.2	509.3	508.7	508.0	507.4	506.8	505.7	504.7	503.6	502.6	502.2
122.5°	545.8	545.8	545.5	545.3	544.9	544.6	544.0	543.2	542.5	541.8	541.0
125°	601.4	601.4	601.2	601.0	600.7	600.5	600.1	599.7	599.2	598.8	598.4
127.5°	655.7	655.9	655.5	655.2	654.8	654.5	654.1	653.7	653.3	652.8	652.5
130°	692.1	692.4	692.4	692.4	692.4	692.4	692.0	691.5	691.1	690.7	690.1
132.5°	728.6	728.7	728.6	728.4	728.2	728.1	727.6	727.2	726.8	726.4	725.9
135°	780.8	781.5	781.5	781.5	781.5	781.5	781.1	780.6	780.2	779.8	779.3
137.5°	831.5	832.0	832.3	832.7	833.0	833.3	832.8	832.3	831.7	831.2	831.0
140°	866.5	866.7	866.7	866.7	866.7	866.7	866.5	866.3	866.1	865.8	865.7
142.5°	899.1	899.2	899.0	898.9	898.7	898.5	898.5	898.5	898.4	898.4	898.3
145°	945.8	946.4	946.6	946.8	947.0	947.2	947.0	946.8	946.6	946.4	945.9
147.5°	991.2	991.6	991.5	991.3	991.2	991.0	990.8	990.7	990.5	990.3	990.1
150°	1017.8	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.1
152.5°	1042.3	1042.6	1042.8	1042.9	1043.1	1043.3	1043.7	1044.2	1044.8	1045.3	1045.3
155°	1079.8	1079.7	1079.5	1079.3	1079.0	1078.9	1079.7	1080.6	1081.4	1082.2	1082.2
157.5°	1111.7	1111.4	1111.4	1111.3	1111.3	1111.3	1111.9	1112.6	1113.1	1113.8	1113.8
160°	1132.0	1131.8	1131.6	1131.4	1131.1	1131.0	1131.6	1132.2	1132.9	1133.5	1133.3
162.5°	1148.8	1148.5	1148.3	1148.1	1147.9	1147.6	1148.8	1149.9	1151.0	1152.2	1152.3
165°	1173.0	1172.4	1172.0	1171.6	1171.2	1170.8	1172.0	1173.3	1174.5	1175.8	1176.0
167.5°	1190.7	1190.3	1190.3	1190.3	1190.4	1190.4	1191.7	1192.9	1194.3	1195.5	1195.5
170°	1200.6	1200.2	1200.4	1200.6	1200.9	1201.1	1202.3	1203.6	1204.8	1206.2	1206.0
172.5°	1208.9	1208.4	1208.5	1208.6	1208.6	1208.7	1210.1	1211.5	1212.9	1214.4	1214.4
175°	1218.6	1218.0	1217.8	1217.6	1217.4	1217.2	1218.6	1220.1	1221.6	1223.0	1223.0
177.5°	1222.9	1222.5	1222.5	1222.5	1222.5	1222.5	1223.7	1224.8	1226.0	1227.2	1227.1
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



TEST NUMBER: P332617-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	997.4	996.8	994.3	994.0	994.3	996.8	997.4	998.2	999.2	1002.7	998.5
5°	921.5	919.2	917.9	922.8	917.9	919.2	921.5	924.0	928.4	928.8	933.1
7.5°	864.1	862.3	858.5	857.4	858.5	862.3	864.1	865.7	870.0	873.8	880.1
10°	827.3	825.6	822.1	821.3	822.1	825.6	827.3	831.7	836.0	840.7	845.1
12.5°	791.9	788.5	787.7	788.6	787.7	788.5	791.9	797.7	808.9	808.9	809.8
15°	744.9	743.2	738.4	739.7	738.4	743.2	744.9	750.6	755.8	762.3	768.7
17.5°	698.6	696.5	690.7	695.9	690.7	696.5	698.6	701.6	708.3	717.5	727.3
20°	669.5	666.0	663.0	662.5	663.0	666.0	669.5	672.5	679.9	687.7	695.0
22.5°	641.7	638.6	638.4	635.5	638.4	638.6	641.7	646.5	653.9	658.2	665.2
25°	607.1	604.1	603.2	601.0	603.2	604.1	607.1	610.5	615.3	618.7	626.6
27.5°	580.4	578.9	577.4	578.0	577.4	578.9	580.4	580.9	583.0	587.6	592.2
30°	564.1	563.7	562.8	562.8	562.8	563.7	564.1	562.8	565.0	567.1	570.6
32.5°	550.6	550.5	551.1	551.1	551.1	550.5	550.6	548.6	549.3	550.2	551.9
35°	531.6	532.9	533.8	532.5	533.8	532.9	531.6	529.9	528.6	525.5	526.4
37.5°	514.5	515.8	517.0	518.4	517.0	515.8	514.5	510.9	507.8	505.1	502.0
40°	501.2	504.3	505.2	507.4	505.2	504.3	501.2	497.3	493.9	490.8	487.4
42.5°	488.8	492.1	494.4	494.8	494.4	492.1	488.8	484.9	479.6	475.9	471.1
45°	469.6	473.0	476.1	476.1	476.1	473.0	469.6	463.1	457.5	451.8	447.0
47.5°	449.7	454.8	457.8	458.6	457.8	454.8	449.7	443.0	435.2	428.2	421.3
50°	436.2	442.3	445.3	447.5	445.3	442.3	436.2	428.8	420.6	411.9	403.7
52.5°	423.1	429.1	433.2	434.3	433.2	429.1	423.1	413.9	404.0	394.6	387.3
55°	400.2	408.9	413.7	415.4	413.7	408.9	400.2	390.3	380.7	369.0	358.6
57.5°	378.7	386.7	392.2	393.5	392.2	386.7	378.7	367.0	354.7	342.2	331.1
60°	362.1	370.7	377.6	379.0	377.6	370.7	362.1	350.3	337.4	325.2	311.4
62.5°	345.0	354.1	360.4	363.7	360.4	354.1	345.0	332.6	318.6	305.1	291.2
65°	315.7	324.7	330.8	332.2	330.8	324.7	315.7	303.5	288.8	274.5	262.8
67.5°	283.6	292.7	296.7	299.2	296.7	292.7	283.6	272.1	257.6	242.7	229.4
70°	261.1	268.4	272.7	274.9	272.7	268.4	261.1	248.9	236.8	221.6	207.2
72.5°	235.4	243.0	248.1	248.5	248.1	243.0	235.4	224.9	212.1	198.0	185.4
75°	196.0	202.9	205.5	205.5	205.5	202.9	196.0	186.1	175.6	164.4	151.7
77.5°	155.2	158.7	162.0	162.7	162.0	158.7	155.2	148.0	139.3	128.1	118.6
80°	128.8	130.9	133.5	133.5	133.5	130.9	128.8	122.3	114.1	104.5	97.1
82.5°	101.7	103.5	106.2	105.8	106.2	103.5	101.7	96.6	89.8	83.3	76.6
85°	61.6	65.5	65.1	64.2	65.1	65.5	61.6	62.5	55.9	51.6	45.5
87.5°	33.2	33.6	34.7	35.5	34.7	33.6	33.2	32.0	28.8	26.7	25.1
90°	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.7	25.9	24.6	23.4
92.5°	41.3	41.6	41.8	42.1	41.8	41.6	41.3	41.0	40.5	39.8	39.1
95°	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.5	73.9	73.2
97.5°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	116.9	116.1	115.4
100°	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.6	146.2	145.8
102.5°	179.7	179.9	180.0	180.2	180.0	179.9	179.7	179.4	179.1	178.6	177.9
105°	229.3	229.8	230.5	231.1	230.5	229.8	229.3	228.6	228.0	227.3	226.7
107.5°	280.9	280.9	280.8	280.8	280.8	280.9	280.9	281.0	280.6	280.1	279.5
110°	314.5	315.1	315.8	316.3	315.8	315.1	314.5	313.8	313.7	314.1	314.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	352.4	352.5	352.6	352.8	352.6	352.5	352.4	352.2	352.2	352.3	352.4
115°	409.9	409.6	409.4	409.2	409.4	409.6	409.9	410.0	410.3	410.4	410.7
117.5°	464.2	463.8	463.4	463.0	463.4	463.8	464.2	464.7	465.2	465.9	466.7
120°	502.6	503.0	503.5	503.9	503.5	503.0	502.6	502.2	502.6	503.6	504.7
122.5°	540.3	539.6	538.7	538.0	538.7	539.6	540.3	541.0	541.8	542.5	543.2
125°	598.0	597.6	597.1	596.7	597.1	597.6	598.0	598.4	598.8	599.2	599.7
127.5°	652.2	651.8	651.4	651.1	651.4	651.8	652.2	652.5	652.8	653.3	653.7
130°	689.3	688.4	687.5	686.7	687.5	688.4	689.3	690.1	690.7	691.1	691.5
132.5°	725.6	725.3	725.0	724.6	725.0	725.3	725.6	725.9	726.4	726.8	727.2
135°	778.6	778.0	777.3	776.7	777.3	778.0	778.6	779.3	779.8	780.2	780.6
137.5°	831.1	831.2	831.4	831.4	831.4	831.2	831.1	831.0	831.2	831.7	832.3
140°	865.4	865.2	865.0	864.8	865.0	865.2	865.4	865.7	865.8	866.1	866.3
142.5°	898.3	898.2	898.2	898.1	898.2	898.2	898.3	898.3	898.4	898.4	898.5
145°	945.3	944.7	944.0	943.5	944.0	944.7	945.3	945.9	946.4	946.6	946.8
147.5°	989.9	989.7	989.4	989.3	989.4	989.7	989.9	990.1	990.3	990.5	990.7
150°	1017.9	1017.7	1017.5	1017.3	1017.5	1017.7	1017.9	1018.1	1018.2	1018.2	1018.2
152.5°	1044.7	1044.2	1043.6	1043.1	1043.6	1044.2	1044.7	1045.3	1045.3	1044.8	1044.2
155°	1081.4	1080.6	1079.7	1078.9	1079.7	1080.6	1081.4	1082.2	1082.2	1081.4	1080.6
157.5°	1113.0	1112.3	1111.6	1110.9	1111.6	1112.3	1113.0	1113.8	1113.8	1113.1	1112.6
160°	1132.2	1131.1	1130.2	1129.1	1130.2	1131.1	1132.2	1133.3	1133.5	1132.9	1132.2
162.5°	1151.2	1150.1	1149.1	1148.0	1149.1	1150.1	1151.2	1152.3	1152.2	1151.0	1149.9
165°	1175.2	1174.4	1173.5	1172.6	1173.5	1174.4	1175.2	1176.0	1175.8	1174.5	1173.3
167.5°	1194.2	1192.9	1191.6	1190.3	1191.6	1192.9	1194.2	1195.5	1195.5	1194.3	1192.9
170°	1204.5	1203.1	1201.6	1200.1	1201.6	1203.1	1204.5	1206.0	1206.2	1204.8	1203.6
172.5°	1212.8	1211.4	1209.9	1208.4	1209.9	1211.4	1212.8	1214.4	1214.4	1212.9	1211.5
175°	1221.6	1220.1	1218.6	1217.2	1218.6	1220.1	1221.6	1223.0	1223.0	1221.6	1220.1
177.5°	1225.7	1224.4	1223.0	1221.7	1223.0	1224.4	1225.7	1227.1	1227.2	1226.0	1224.8
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1000.6	1002.0	1007.5	1012.8	1019.0	1023.5	1026.6	1030.0	1037.4	1043.3	1048.8
5°	937.4	939.6	950.9	958.7	972.2	983.8	993.0	1002.9	1014.6	1030.7	1045.5
7.5°	881.9	889.9	902.2	914.9	928.6	944.0	957.3	972.3	992.5	1014.6	1037.3
10°	850.3	859.4	872.5	887.1	900.2	917.9	934.4	952.2	975.2	1002.1	1029.0
12.5°	818.7	833.7	843.6	861.1	875.2	889.8	907.3	930.7	957.5	985.8	1018.2
15°	779.2	787.4	806.5	816.0	836.0	858.5	875.9	899.3	925.3	962.6	999.1
17.5°	733.6	744.4	759.6	777.8	800.7	818.3	839.9	864.0	896.7	933.8	979.4
20°	703.8	712.8	731.5	751.5	775.8	794.3	817.3	840.7	874.6	914.0	961.7
22.5°	677.0	685.8	705.5	724.1	747.6	770.5	794.4	821.7	854.1	895.7	944.4
25°	635.7	647.3	664.7	683.8	706.4	732.4	758.4	782.7	817.3	861.1	913.2
27.5°	599.0	608.4	620.9	642.6	668.2	693.3	719.2	749.7	783.0	829.3	883.4
30°	575.4	584.1	596.6	616.6	640.4	667.3	694.2	723.7	758.4	804.4	859.4
32.5°	556.7	563.3	574.5	592.3	614.1	642.4	668.9	699.4	735.8	781.1	834.8
35°	529.0	534.7	539.0	555.9	575.4	601.4	628.3	660.8	695.9	738.9	792.6
37.5°	501.8	503.8	510.1	521.2	540.1	564.0	589.0	621.0	657.0	700.6	749.1
40°	485.2	486.1	490.0	500.3	516.9	539.4	563.7	595.3	629.6	670.8	718.9
42.5°	468.9	468.4	472.0	479.2	494.6	515.1	539.1	567.9	602.2	640.3	685.6
45°	443.1	443.1	442.3	448.3	460.9	480.9	500.8	528.6	557.2	594.5	632.7
47.5°	416.3	413.8	414.6	417.8	428.3	444.7	464.8	487.5	512.8	544.4	577.8
50°	398.9	395.4	394.1	397.6	407.2	421.4	440.5	460.5	484.4	512.1	540.7
52.5°	379.8	376.3	374.1	376.4	385.3	398.6	415.9	433.4	454.9	477.4	502.2
55°	350.3	346.4	345.1	346.0	352.5	362.9	377.6	393.7	409.8	428.4	445.7
57.5°	321.3	314.9	313.6	313.2	317.7	327.3	339.6	353.5	365.2	376.4	394.9
60°	302.2	294.4	291.8	291.4	294.9	302.6	314.0	327.8	336.1	343.8	359.9
62.5°	281.8	274.3	268.6	269.2	272.3	279.7	289.7	299.7	305.2	313.6	324.5
65°	250.2	240.7	236.4	235.1	236.8	242.8	250.6	257.1	263.2	266.7	277.0
67.5°	218.7	210.7	204.2	202.7	201.9	206.0	212.5	216.4	220.7	223.7	229.9
70°	196.4	189.5	181.6	179.0	178.6	182.1	188.2	188.6	194.7	196.0	202.5
72.5°	174.6	165.9	160.5	157.9	156.1	159.2	163.2	164.4	167.6	170.0	173.3
75°	140.5	134.0	128.8	124.9	123.6	125.3	125.3	127.5	129.6	130.9	134.9
77.5°	110.6	103.1	96.9	94.7	93.1	92.0	92.9	94.2	93.2	95.5	96.4
80°	89.8	81.9	77.2	76.3	73.7	71.6	71.1	72.4	70.7	71.6	74.1
82.5°	69.3	64.2	59.1	58.3	55.0	53.9	53.4	52.7	52.7	52.5	53.0
85°	41.2	38.2	34.7	32.5	31.2	29.0	29.0	28.2	27.3	26.4	26.9
87.5°	21.0	20.1	18.0	16.7	15.7	13.9	13.5	12.0	11.2	10.4	9.6
90°	22.1	20.9	19.2	17.4	15.8	14.1	12.1	9.8	7.5	5.1	2.9
92.5°	38.2	37.5	36.4	35.1	34.0	32.8	30.9	28.2	25.6	22.9	20.3
95°	72.6	72.0	70.5	69.1	67.6	66.1	64.4	62.5	60.7	58.7	56.8
97.5°	114.6	113.8	112.1	110.4	108.7	107.0	105.3	103.8	102.3	100.8	99.3
100°	145.4	145.0	143.0	141.1	139.3	137.4	136.0	135.1	134.3	133.5	132.6
102.5°	177.3	176.8	175.0	173.3	171.5	169.8	168.8	168.4	168.1	167.8	167.5
105°	226.1	225.4	224.6	223.7	222.9	222.1	221.5	221.4	221.1	220.9	220.7
107.5°	278.9	278.3	278.2	278.0	277.9	277.8	277.6	277.4	277.1	276.9	276.5
110°	315.0	315.4	315.6	315.8	316.1	316.3	316.2	315.8	315.3	314.9	314.5



TEST NUMBER: P332617-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	352.5	352.5	352.9	353.4	353.7	354.1	354.2	354.2	354.1	354.0	353.8
115°	410.9	411.1	411.5	412.0	412.4	412.8	412.9	412.9	412.9	412.9	412.9
117.5°	467.4	468.1	468.4	468.7	469.0	469.3	469.4	469.2	469.0	468.9	468.7
120°	505.7	506.8	507.4	508.0	508.7	509.3	509.2	508.3	507.5	506.6	505.8
122.5°	544.0	544.6	544.9	545.3	545.5	545.8	545.8	545.4	545.1	544.8	544.5
125°	600.1	600.5	600.7	601.0	601.2	601.4	601.4	601.4	601.4	601.4	601.4
127.5°	654.1	654.5	654.8	655.2	655.5	655.9	655.7	655.1	654.4	653.9	653.2
130°	692.0	692.4	692.4	692.4	692.4	692.4	692.1	691.5	690.8	690.2	689.6
132.5°	727.6	728.1	728.2	728.4	728.6	728.7	728.6	728.1	727.7	727.2	726.7
135°	781.1	781.5	781.5	781.5	781.5	781.5	780.8	779.6	778.3	777.1	775.8
137.5°	832.8	833.3	833.0	832.7	832.3	832.0	831.5	831.0	830.4	829.8	829.2
140°	866.5	866.7	866.7	866.7	866.7	866.7	866.5	866.1	865.7	865.2	864.8
142.5°	898.5	898.5	898.7	898.9	899.0	899.2	899.1	898.6	898.2	897.8	897.4
145°	947.0	947.2	947.0	946.8	946.6	946.4	945.8	945.0	944.2	943.3	942.5
147.5°	990.8	991.0	991.2	991.3	991.5	991.6	991.2	990.2	989.2	988.2	987.2
150°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1017.8	1017.0	1016.2	1015.3	1014.5
152.5°	1043.7	1043.3	1043.1	1042.9	1042.8	1042.6	1042.3	1041.7	1041.2	1040.7	1040.2
155°	1079.7	1078.9	1079.0	1079.3	1079.5	1079.7	1079.8	1079.8	1079.8	1079.8	1079.8
157.5°	1111.9	1111.3	1111.3	1111.3	1111.4	1111.4	1111.7	1112.1	1112.4	1112.8	1113.1
160°	1131.6	1131.0	1131.1	1131.4	1131.6	1131.8	1132.0	1132.2	1132.5	1132.7	1132.9
162.5°	1148.8	1147.6	1147.9	1148.1	1148.3	1148.5	1148.8	1149.4	1150.0	1150.5	1151.0
165°	1172.0	1170.8	1171.2	1171.6	1172.0	1172.4	1173.0	1173.6	1174.2	1174.8	1175.5
167.5°	1191.7	1190.4	1190.4	1190.3	1190.3	1190.3	1190.7	1191.6	1192.5	1193.4	1194.3
170°	1202.3	1201.1	1200.9	1200.6	1200.4	1200.2	1200.6	1201.7	1202.7	1203.8	1204.8
172.5°	1210.1	1208.7	1208.6	1208.6	1208.5	1208.4	1208.9	1209.7	1210.6	1211.5	1212.4
175°	1218.6	1217.2	1217.4	1217.6	1217.8	1218.0	1218.6	1219.7	1220.7	1221.8	1222.9
177.5°	1223.7	1222.5	1222.5	1222.5	1222.5	1222.5	1222.9	1223.8	1224.6	1225.4	1226.3
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1053.7	1057.1	1061.7	1069.3	1072.0	1075.5	1080.4	1080.0	1081.4	1086.6	1097.7
5°	1057.6	1071.0	1084.0	1099.6	1116.1	1126.9	1141.7	1150.8	1159.9	1171.6	1191.6
7.5°	1059.2	1080.4	1104.3	1131.7	1156.1	1184.2	1206.2	1226.8	1245.4	1270.2	1293.9
10°	1056.7	1085.3	1116.1	1150.8	1187.6	1218.9	1247.1	1279.1	1306.4	1336.4	1363.3
12.5°	1052.2	1086.7	1127.9	1166.8	1209.8	1256.0	1291.1	1323.6	1359.9	1394.3	1435.7
15°	1042.0	1089.2	1137.3	1188.5	1246.2	1299.5	1350.2	1392.3	1431.3	1482.9	1537.2
17.5°	1029.0	1079.9	1140.7	1202.6	1262.8	1323.8	1386.6	1449.8	1499.1	1563.2	1605.6
20°	1016.8	1075.8	1138.2	1211.9	1272.2	1348.1	1410.5	1471.7	1539.3	1603.0	1653.8
22.5°	999.8	1064.4	1130.6	1204.0	1283.3	1359.2	1431.3	1497.7	1565.3	1634.6	1696.1
25°	978.2	1036.7	1115.2	1198.5	1277.4	1359.8	1442.6	1525.8	1598.7	1672.0	1729.2
27.5°	941.4	1015.4	1088.4	1174.4	1262.1	1355.3	1443.8	1531.0	1607.3	1667.5	1703.0
30°	922.8	986.9	1066.2	1152.5	1247.5	1347.7	1440.0	1525.4	1596.5	1644.7	1659.0
32.5°	895.0	961.2	1038.9	1128.2	1228.7	1331.7	1427.8	1508.5	1567.7	1593.0	1575.7
35°	853.8	913.6	992.1	1083.6	1188.1	1297.8	1392.8	1460.9	1491.2	1467.3	1407.9
37.5°	804.4	863.6	942.5	1032.3	1140.4	1252.0	1337.8	1386.8	1376.8	1317.4	1228.9
40°	769.6	825.2	900.2	997.3	1102.7	1214.6	1290.0	1316.5	1288.7	1203.7	1109.6
42.5°	731.2	785.3	860.6	954.3	1065.9	1169.1	1234.9	1237.0	1190.5	1088.9	994.4
45°	672.5	724.1	795.2	892.8	996.0	1093.2	1136.4	1115.2	1029.4	931.4	836.4
47.5°	614.7	659.4	729.5	822.1	920.1	1001.9	1023.4	985.1	893.6	798.5	710.5
50°	572.3	617.4	683.4	771.8	866.3	937.0	947.5	896.7	807.0	711.1	642.2
52.5°	531.7	576.5	640.0	721.9	808.5	872.1	872.5	813.8	724.4	639.0	574.9
55°	472.2	512.5	569.7	643.0	720.2	770.1	758.0	697.2	619.6	545.5	489.5
57.5°	414.8	449.9	502.6	563.8	631.8	672.9	652.7	594.3	525.0	462.1	419.7
60°	377.6	411.1	456.2	513.8	571.0	603.2	584.1	531.2	467.4	416.7	379.8
62.5°	341.6	369.8	413.1	463.2	516.2	540.1	523.0	470.8	415.7	369.9	340.0
65°	290.5	313.5	348.2	391.1	429.7	450.0	435.8	387.2	345.1	312.2	288.4
67.5°	242.8	260.7	287.1	321.5	354.2	365.3	352.3	318.5	282.8	256.4	239.6
70°	209.9	226.8	248.9	275.3	303.9	315.7	302.6	275.7	246.7	222.4	205.9
72.5°	181.1	194.2	212.8	235.5	257.8	269.5	260.7	234.8	210.3	192.2	178.2
75°	137.9	149.2	162.2	178.2	195.6	203.3	195.6	177.8	160.9	147.4	137.5
77.5°	100.3	106.3	116.3	128.3	139.2	145.2	138.4	126.4	116.0	106.8	101.9
80°	76.3	80.6	87.6	97.1	104.5	110.1	105.8	95.8	87.6	81.5	79.3
82.5°	55.5	58.5	62.9	70.0	75.0	77.9	76.0	68.7	65.4	60.0	57.8
85°	27.3	29.0	32.1	34.2	38.6	39.1	39.5	36.4	33.4	32.1	30.3
87.5°	10.4	11.2	12.7	14.2	16.0	16.7	16.7	17.0	16.0	15.9	14.8
90°	5.1	7.5	9.8	12.1	14.1	15.8	17.4	19.2	20.9	22.1	23.4
92.5°	22.9	25.6	28.2	30.9	32.8	34.0	35.1	36.4	37.5	38.2	39.1
95°	58.7	60.7	62.5	64.4	66.1	67.6	69.1	70.5	72.0	72.6	73.2
97.5°	100.8	102.3	103.8	105.3	107.0	108.7	110.4	112.1	113.8	114.6	115.4
100°	133.5	134.3	135.1	136.0	137.4	139.3	141.1	143.0	145.0	145.4	145.8
102.5°	167.8	168.1	168.4	168.8	169.8	171.5	173.3	175.0	176.8	177.3	177.9
105°	220.9	221.1	221.4	221.5	222.1	222.9	223.7	224.6	225.4	226.1	226.7
107.5°	276.9	277.1	277.4	277.6	277.8	277.9	278.0	278.2	278.3	278.9	279.5
110°	314.9	315.3	315.8	316.2	316.3	316.1	315.8	315.6	315.4	315.0	314.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	354.0	354.1	354.2	354.2	354.1	353.7	353.4	352.9	352.5	352.5	352.4
115°	412.9	412.9	412.9	412.9	412.8	412.4	412.0	411.5	411.1	410.9	410.7
117.5°	468.9	469.0	469.2	469.4	469.3	469.0	468.7	468.4	468.1	467.4	466.7
120°	506.6	507.5	508.3	509.2	509.3	508.7	508.0	507.4	506.8	505.7	504.7
122.5°	544.8	545.1	545.4	545.8	545.8	545.5	545.3	544.9	544.6	544.0	543.2
125°	601.4	601.4	601.4	601.4	601.4	601.2	601.0	600.7	600.5	600.1	599.7
127.5°	653.9	654.4	655.1	655.7	655.9	655.5	655.2	654.8	654.5	654.1	653.7
130°	690.2	690.8	691.5	692.1	692.4	692.4	692.4	692.4	692.4	692.0	691.5
132.5°	727.2	727.7	728.1	728.6	728.7	728.6	728.4	728.2	728.1	727.6	727.2
135°	777.1	778.3	779.6	780.8	781.5	781.5	781.5	781.5	781.5	781.1	780.6
137.5°	829.8	830.4	831.0	831.5	832.0	832.3	832.7	833.0	833.3	832.8	832.3
140°	865.2	865.7	866.1	866.5	866.7	866.7	866.7	866.7	866.7	866.5	866.3
142.5°	897.8	898.2	898.6	899.1	899.2	899.0	898.9	898.7	898.5	898.5	898.5
145°	943.3	944.2	945.0	945.8	946.4	946.6	946.8	947.0	947.2	947.0	946.8
147.5°	988.2	989.2	990.2	991.2	991.6	991.5	991.3	991.2	991.0	990.8	990.7
150°	1015.3	1016.2	1017.0	1017.8	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2
152.5°	1040.7	1041.2	1041.7	1042.3	1042.6	1042.8	1042.9	1043.1	1043.3	1043.7	1044.2
155°	1079.8	1079.8	1079.8	1079.8	1079.7	1079.5	1079.3	1079.0	1078.9	1079.7	1080.6
157.5°	1112.8	1112.4	1112.1	1111.7	1111.4	1111.4	1111.3	1111.3	1111.3	1111.9	1112.6
160°	1132.7	1132.5	1132.2	1132.0	1131.8	1131.6	1131.4	1131.1	1131.0	1131.6	1132.2
162.5°	1150.5	1150.0	1149.4	1148.8	1148.5	1148.3	1148.1	1147.9	1147.6	1148.8	1149.9
165°	1174.8	1174.2	1173.6	1173.0	1172.4	1172.0	1171.6	1171.2	1170.8	1172.0	1173.3
167.5°	1193.4	1192.5	1191.6	1190.7	1190.3	1190.3	1190.3	1190.4	1190.4	1191.7	1192.9
170°	1203.8	1202.7	1201.7	1200.6	1200.2	1200.4	1200.6	1200.9	1201.1	1202.3	1203.6
172.5°	1211.5	1210.6	1209.7	1208.9	1208.4	1208.5	1208.6	1208.6	1208.7	1210.1	1211.5
175°	1221.8	1220.7	1219.7	1218.6	1218.0	1217.8	1217.6	1217.4	1217.2	1218.6	1220.1
177.5°	1225.4	1224.6	1223.8	1222.9	1222.5	1222.5	1222.5	1222.5	1222.5	1223.7	1224.8
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1103.3	1104.0	1107.1	1109.5	1110.2	1113.7	1114.0
5°	1200.2	1207.6	1221.9	1223.2	1225.4	1236.6	1228.0
7.5°	1313.9	1332.5	1345.1	1356.1	1360.1	1365.0	1364.0
10°	1386.7	1414.5	1428.3	1450.4	1451.3	1456.9	1453.4
12.5°	1459.9	1492.2	1517.4	1521.5	1540.1	1543.0	1547.8
15°	1563.6	1597.8	1633.0	1645.5	1671.1	1677.2	1686.8
17.5°	1661.1	1696.1	1720.7	1753.2	1763.7	1777.8	1768.2
20°	1714.5	1752.6	1783.9	1809.5	1820.3	1828.1	1827.2
22.5°	1746.8	1785.3	1810.5	1829.9	1840.0	1843.4	1843.1
25°	1766.9	1789.1	1796.8	1804.3	1793.0	1789.1	1790.8
27.5°	1710.7	1705.0	1684.7	1657.9	1630.2	1608.2	1596.2
30°	1633.4	1599.6	1568.8	1515.0	1487.3	1470.8	1456.0
32.5°	1523.8	1470.2	1411.0	1361.7	1330.2	1305.7	1302.0
35°	1335.9	1255.3	1182.9	1122.6	1091.4	1064.9	1058.8
37.5°	1135.8	1052.0	986.8	933.8	900.2	881.5	864.1
40°	1002.9	931.0	866.7	821.7	796.1	782.7	771.8
42.5°	900.6	834.9	771.0	736.7	713.5	705.3	699.0
45°	759.2	698.1	653.9	627.9	614.4	600.5	594.0
47.5°	646.0	596.3	567.1	545.0	530.7	522.4	518.3
50°	581.9	541.1	515.1	498.2	485.2	478.7	475.2
52.5°	525.0	491.5	469.7	456.2	447.4	442.6	441.2
55°	452.2	426.6	412.8	401.1	394.6	390.3	388.5
57.5°	393.1	373.4	362.2	352.5	350.0	346.3	345.1
60°	354.2	339.1	329.5	323.0	320.9	316.5	317.4
62.5°	319.9	307.5	299.4	295.6	292.8	289.1	290.3
65°	270.6	261.5	257.1	253.6	250.2	248.0	249.7
67.5°	227.1	220.8	214.9	212.9	211.2	210.8	209.0
70°	198.6	193.4	188.2	186.9	186.9	185.2	184.7
72.5°	171.2	167.4	163.9	163.0	161.6	162.2	160.5
75°	132.2	129.2	127.9	126.6	126.2	126.2	124.9
77.5°	97.8	95.5	93.4	93.4	91.8	91.2	91.1
80°	74.1	73.3	71.6	71.6	70.7	71.1	70.3
82.5°	55.8	54.5	54.2	53.5	52.3	52.3	51.5
85°	29.9	28.6	28.2	26.9	26.0	26.9	26.0
87.5°	15.3	15.2	15.1	14.4	14.2	14.3	13.3
90°	24.6	25.9	26.7	27.1	27.6	28.0	28.5
92.5°	39.8	40.5	41.0	41.3	41.6	41.8	42.1
95°	73.9	74.5	74.8	74.8	74.8	74.8	74.8
97.5°	116.1	116.9	117.2	117.2	117.2	117.2	117.2
100°	146.2	146.6	146.8	146.8	146.8	146.8	146.8
102.5°	178.6	179.1	179.4	179.7	179.9	180.0	180.2
105°	227.3	228.0	228.6	229.3	229.8	230.5	231.1
107.5°	280.1	280.6	281.0	280.9	280.9	280.8	280.8
110°	314.1	313.7	313.8	314.5	315.1	315.8	316.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.3	352.2	352.2	352.4	352.5	352.6	352.8
115°	410.4	410.3	410.0	409.9	409.6	409.4	409.2
117.5°	465.9	465.2	464.7	464.2	463.8	463.4	463.0
120°	503.6	502.6	502.2	502.6	503.0	503.5	503.9
122.5°	542.5	541.8	541.0	540.3	539.6	538.7	538.0
125°	599.2	598.8	598.4	598.0	597.6	597.1	596.7
127.5°	653.3	652.8	652.5	652.2	651.8	651.4	651.1
130°	691.1	690.7	690.1	689.3	688.4	687.5	686.7
132.5°	726.8	726.4	725.9	725.6	725.3	725.0	724.6
135°	780.2	779.8	779.3	778.6	778.0	777.3	776.7
137.5°	831.7	831.2	831.0	831.1	831.2	831.4	831.4
140°	866.1	865.8	865.7	865.4	865.2	865.0	864.8
142.5°	898.4	898.4	898.3	898.3	898.2	898.2	898.1
145°	946.6	946.4	945.9	945.3	944.7	944.0	943.5
147.5°	990.5	990.3	990.1	989.9	989.7	989.4	989.3
150°	1018.2	1018.2	1018.1	1017.9	1017.7	1017.5	1017.3
152.5°	1044.8	1045.3	1045.3	1044.7	1044.2	1043.6	1043.1
155°	1081.4	1082.2	1082.2	1081.4	1080.6	1079.7	1078.9
157.5°	1113.1	1113.8	1113.8	1113.0	1112.3	1111.6	1110.9
160°	1132.9	1133.5	1133.3	1132.2	1131.1	1130.2	1129.1
162.5°	1151.0	1152.2	1152.3	1151.2	1150.1	1149.1	1148.0
165°	1174.5	1175.8	1176.0	1175.2	1174.4	1173.5	1172.6
167.5°	1194.3	1195.5	1195.5	1194.2	1192.9	1191.6	1190.3
170°	1204.8	1206.2	1206.0	1204.5	1203.1	1201.6	1200.1
172.5°	1212.9	1214.4	1214.4	1212.8	1211.4	1209.9	1208.4
175°	1221.6	1223.0	1223.0	1221.6	1220.1	1218.6	1217.2
177.5°	1226.0	1227.2	1227.1	1225.7	1224.4	1223.0	1221.7
180°	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7	1224.7

(END OF REPORT)