

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: P332949-927

Luminaire Tested: **SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332949-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

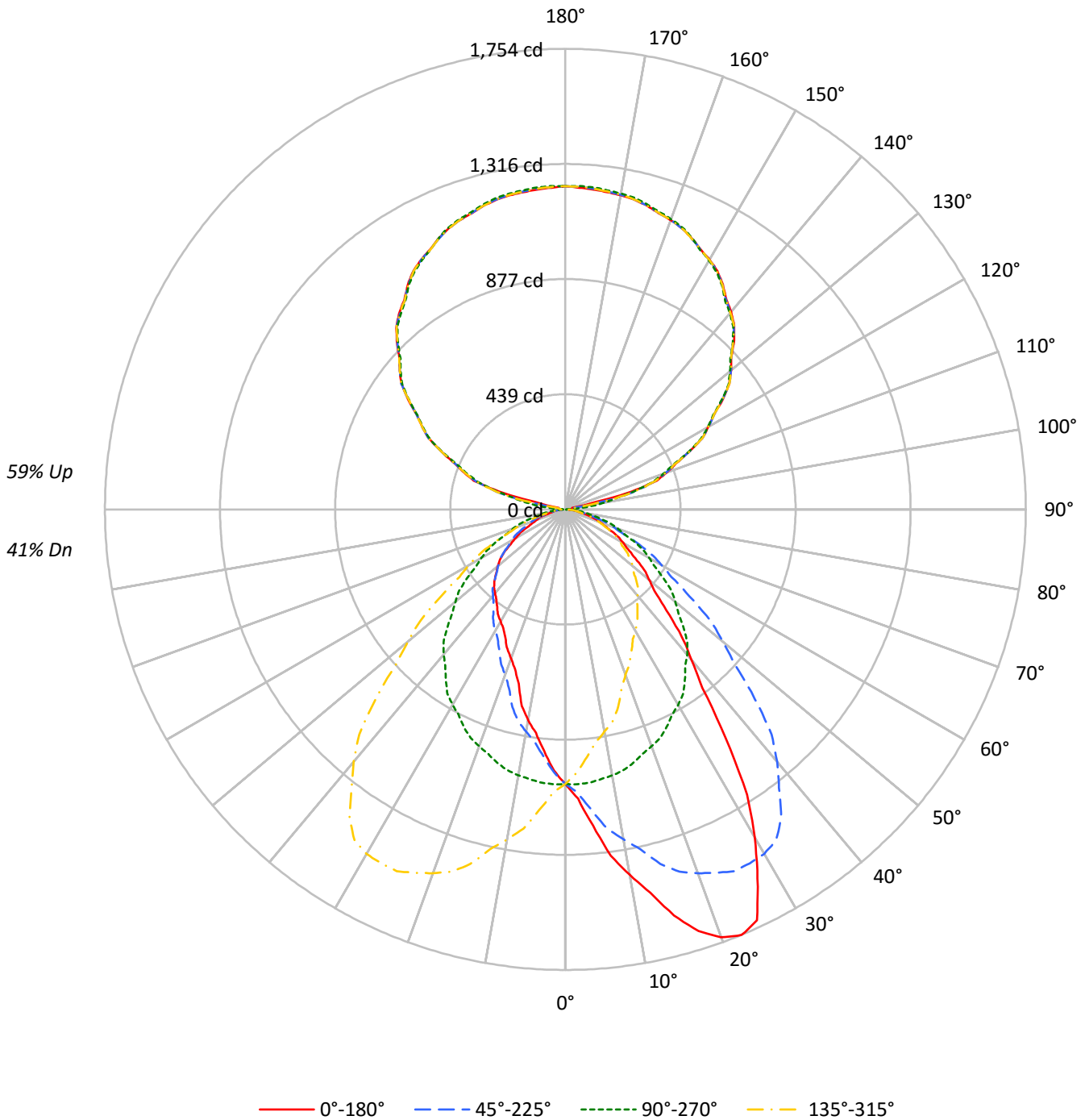
Lumens per Lamp: N/A
Luminaire Lumens: 6453.7 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	88	85	88	84	81	78	69	67	65	55	54	53	43	42	41				35	
2	88	81	75	70	80	74	69	65	61	57	54	49	47	45	38	37	35				30	
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30				26	
4	74	63	56	50	67	58	51	46	48	43	40	39	36	33	31	28	26				23	
5	68	56	49	43	61	52	45	40	43	38	34	35	32	29	28	25	23				20	
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21				18	
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18				16	
8	53	42	34	29	49	38	32	27	32	27	23	27	23	20	21	19	16				14	
9	50	38	31	26	45	35	29	24	30	25	21	24	21	18	20	17	15				13	
10	46	35	28	23	42	32	26	22	27	22	19	23	19	16	18	16	14				12	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8442	8442	8442	8442
5°	9792	8468	7484	8468
10°	11584	8430	6679	8430
15°	13381	8352	5739	8352
20°	14898	8245	5191	8245
25°	15380	8141	4819	8141
30°	13463	8011	4595	8011
35°	10480	7823	4459	7823
40°	7860	7606	4387	7606
45°	6205	7258	4349	7258
50°	5238	6859	4222	6859
55°	4566	6415	3997	6415
60°	4108	5959	3538	5959
65°	3622	5465	3041	5465
70°	3262	4952	2745	4952
75°	2732	4389	2339	4389
80°	2311	3742	2194	3742
85°	1954	2927	1954	2927



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CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.6
10°-20°	305.6	4.7
20°-30°	478.0	7.4
30°-40°	531.4	8.2
40°-50°	471.5	7.3
50°-60°	367.4	5.7
60°-70°	240.5	3.7
70°-80°	118.3	1.8
80°-90°	32.7	0.5
90°-100°	42.1	0.7
100°-110°	268.4	4.2
110°-120°	513.4	8.0
120°-130°	651.7	10.1
130°-140°	697.3	10.8
140°-150°	652.1	10.1
150°-160°	525.8	8.1
160°-170°	339.2	5.3
170°-180°	116.9	1.8
0°-30°	885.0	13.7
0°-40°	1416.4	21.9
0°-60°	2255.3	34.9
0°-90°	2646.8	41.0
90°-120°	823.9	12.8
90°-150°	2825.0	43.8
90°-180°	3807.0	59.0
0°-180°	6453.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1046	1046	1046	1046	1046	
5°	1208	1045	924	1045	1208	122
15°	1601	999	687	999	1601	455
25°	1727	914	541	914	1727	766
35°	1063	794	452	794	1063	667
45°	544	636	381	636	544	430
55°	324	456	284	456	324	295
65°	190	286	159	286	190	191
75°	88	141	75	141	88	96
85°	21	32	21	32	21	24
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	



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1103.0	1106.0	1103.0	1102.6	1099.3	1098.3	1096.9	1092.6	1084.4	1079.7	1080.8
5°	1208.3	1218.9	1213.0	1212.1	1202.8	1193.6	1187.6	1174.2	1159.8	1150.2	1142.2
7.5°	1330.2	1336.3	1332.5	1326.6	1311.6	1303.1	1289.4	1271.7	1246.0	1226.4	1208.4
10°	1413.1	1418.2	1416.4	1405.5	1394.6	1372.2	1359.5	1334.7	1302.3	1276.6	1252.6
12.5°	1494.6	1500.1	1485.2	1485.7	1465.0	1447.4	1427.4	1396.1	1358.6	1325.5	1295.4
15°	1601.0	1594.3	1594.3	1585.8	1562.7	1538.2	1517.6	1484.7	1437.5	1397.9	1356.2
17.5°	1684.3	1686.6	1683.1	1663.3	1645.0	1619.8	1581.9	1543.6	1499.8	1446.6	1404.0
20°	1734.1	1734.1	1730.4	1716.8	1693.3	1666.3	1625.4	1583.7	1528.1	1474.6	1426.6
22.5°	1754.4	1755.7	1751.2	1740.1	1718.9	1692.6	1657.8	1615.4	1558.1	1497.9	1438.4
25°	1726.6	1734.6	1735.4	1732.4	1726.1	1710.1	1680.2	1636.8	1585.4	1520.1	1456.0
27.5°	1585.2	1595.2	1604.1	1618.7	1638.1	1648.1	1649.5	1627.5	1582.6	1519.7	1455.3
30°	1444.2	1452.7	1480.0	1515.8	1543.7	1569.0	1590.9	1596.8	1571.5	1515.0	1447.2
32.5°	1287.9	1299.3	1326.7	1365.2	1411.6	1454.4	1503.6	1528.7	1528.0	1494.1	1431.4
35°	1063.4	1071.8	1097.1	1137.6	1193.2	1256.8	1334.7	1395.3	1436.7	1433.7	1395.3
37.5°	857.6	867.1	892.7	926.2	980.2	1058.9	1134.3	1217.9	1294.3	1337.1	1324.4
40°	745.8	746.2	771.0	805.6	856.1	924.8	1006.9	1099.6	1184.7	1254.3	1267.7
42.5°	657.4	657.5	673.9	711.1	747.6	812.2	890.7	982.7	1082.3	1162.6	1198.3
45°	543.5	547.3	560.8	583.1	611.7	666.5	729.3	814.8	926.5	1021.7	1081.1
47.5°	460.3	465.8	474.4	492.6	515.4	551.9	603.8	680.6	771.5	876.2	960.8
50°	417.1	418.0	428.9	439.0	458.8	487.9	533.4	597.4	680.8	781.6	875.5
52.5°	380.0	379.9	386.4	399.3	415.3	438.0	474.8	533.1	607.0	697.3	794.2
55°	324.4	326.5	331.6	341.7	353.9	369.9	398.9	442.8	501.0	578.1	666.1
57.5°	282.1	283.2	287.2	291.4	302.7	314.3	336.1	366.5	415.6	478.7	560.8
60°	254.4	254.9	256.2	262.4	271.3	282.3	297.0	322.7	364.0	421.8	486.6
62.5°	227.5	228.2	230.2	234.8	241.7	249.2	264.7	285.3	319.5	368.8	427.3
65°	189.6	190.0	193.0	194.6	200.1	206.8	218.2	232.1	255.7	297.0	341.3
67.5°	158.4	158.4	158.6	160.9	164.6	169.1	175.9	187.0	204.9	230.2	269.2
70°	138.2	138.2	139.0	140.3	142.4	146.2	150.0	158.4	171.5	192.1	222.0
72.5°	119.3	119.6	120.5	120.7	121.8	124.9	127.8	133.2	142.8	158.4	182.6
75°	87.6	88.9	91.0	92.7	94.8	94.3	97.4	100.7	103.6	112.9	126.8
77.5°	65.2	64.6	64.8	66.2	66.5	66.9	69.0	71.6	73.8	78.2	83.2
80°	49.7	49.7	51.0	51.4	51.0	51.4	53.5	54.7	55.6	57.3	61.9
82.5°	37.5	38.3	37.9	38.3	38.5	38.9	40.7	41.0	41.8	42.5	44.4
85°	21.1	21.5	21.9	21.1	21.1	21.1	21.9	22.3	23.2	22.7	23.6
87.5°	12.9	12.5	12.8	12.7	12.9	12.4	12.5	13.0	12.0	12.1	11.8
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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1077.4	1072.7	1070.3	1064.9	1058.5	1055.1	1052.1	1047.7	1042.0	1035.9	1031.5
5°	1132.0	1122.0	1109.3	1094.2	1080.7	1067.6	1056.2	1044.9	1031.8	1018.3	1004.8
7.5°	1188.2	1168.3	1146.8	1122.0	1097.8	1075.8	1055.6	1036.2	1014.2	994.7	976.8
10°	1227.2	1200.3	1170.4	1138.8	1107.2	1079.8	1052.9	1028.4	1001.5	977.5	957.2
12.5°	1258.9	1227.2	1191.3	1151.9	1114.0	1080.9	1049.8	1018.0	987.3	961.2	934.3
15°	1311.5	1268.1	1219.7	1172.5	1123.2	1078.2	1036.4	999.3	964.4	927.7	902.1
17.5°	1347.7	1296.2	1237.3	1180.6	1122.4	1069.2	1021.1	976.9	936.6	899.1	868.5
20°	1369.3	1312.4	1247.1	1182.6	1117.3	1060.4	1008.6	959.7	918.1	877.6	846.0
22.5°	1381.4	1318.4	1247.1	1179.6	1111.9	1050.4	993.5	942.5	897.1	856.7	821.7
25°	1385.3	1317.9	1245.0	1167.4	1093.3	1028.0	969.0	913.9	863.2	822.8	785.8
27.5°	1379.9	1300.5	1225.8	1146.3	1069.8	1000.9	939.1	881.1	830.4	787.0	749.0
30°	1371.8	1286.7	1206.7	1124.0	1046.6	980.4	915.0	859.4	806.8	761.8	723.4
32.5°	1354.2	1269.9	1183.7	1099.2	1020.6	952.4	890.5	834.6	782.9	736.8	696.1
35°	1319.5	1234.1	1140.5	1053.7	976.6	905.8	847.7	793.8	744.5	695.1	652.2
37.5°	1273.8	1186.5	1093.4	998.3	921.1	854.4	801.0	750.4	702.3	657.3	609.7
40°	1230.7	1151.0	1054.9	960.6	881.4	816.9	767.6	721.7	673.3	628.6	581.0
42.5°	1178.4	1110.6	1013.5	918.8	840.6	778.5	732.6	687.7	643.6	600.3	550.6
45°	1091.2	1039.8	948.8	857.8	779.0	717.5	675.3	635.7	597.0	555.7	509.0
47.5°	991.3	956.5	877.9	784.7	711.9	656.5	615.8	583.4	550.6	509.4	468.3
50°	921.9	899.5	823.6	738.6	669.1	618.1	576.4	546.1	518.6	479.0	442.4
52.5°	847.7	835.8	771.7	690.4	623.2	573.2	537.6	510.3	482.6	449.7	415.4
55°	734.7	741.1	686.7	616.4	553.2	511.0	478.6	455.8	432.3	404.5	378.0
57.5°	619.3	642.4	605.9	544.2	484.9	446.0	421.6	402.4	382.6	359.6	336.9
60°	550.2	569.6	549.0	494.6	442.8	406.5	383.8	369.1	349.3	328.2	310.9
62.5°	482.8	503.6	491.3	447.4	399.3	368.1	348.1	334.4	319.6	301.3	283.3
65°	398.2	411.6	405.8	375.4	341.3	314.7	296.2	286.1	272.6	259.1	243.1
67.5°	304.9	331.0	327.6	311.4	281.9	261.2	249.1	240.1	227.8	217.9	206.9
70°	250.6	274.7	274.3	261.2	245.2	225.9	217.4	209.8	198.8	189.2	180.3
72.5°	205.2	227.2	230.4	220.5	209.5	194.8	186.7	181.5	170.9	164.2	157.1
75°	143.7	159.7	163.9	163.9	158.8	151.2	144.1	140.7	133.2	127.2	123.0
77.5°	94.2	104.3	110.9	112.4	113.2	110.7	104.7	102.3	96.6	94.4	90.4
80°	66.5	73.3	80.9	83.4	85.6	84.7	82.1	80.5	75.0	72.9	71.2
82.5°	46.0	49.7	55.9	61.5	60.9	63.1	60.9	59.6	55.5	54.7	53.0
85°	24.0	24.4	25.3	29.1	31.2	32.0	32.5	31.6	30.3	30.3	27.4
87.5°	11.5	10.9	11.2	10.8	10.7	11.6	12.1	12.0	11.5	10.9	10.3
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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1026.8	1023.4	1019.1	1014.0	1008.0	1002.6	1000.2	1002.2	1003.2	1000.5	1000.2
5°	995.5	985.0	976.6	963.9	953.9	945.4	939.5	937.0	937.9	931.1	929.4
7.5°	960.4	947.9	934.1	919.2	905.1	892.8	886.3	882.7	875.6	872.5	867.4
10°	937.9	921.0	907.5	889.8	873.8	859.0	851.9	846.0	838.8	835.4	828.3
12.5°	914.6	895.0	880.2	861.8	845.5	827.7	820.9	809.9	798.8	791.6	782.4
15°	881.8	858.3	840.1	818.2	798.8	778.6	760.5	740.2	732.7	716.7	707.4
17.5°	843.4	819.5	797.1	767.7	737.8	712.7	693.4	674.0	662.4	652.2	647.5
20°	818.2	796.3	765.1	730.9	697.7	669.9	654.3	641.7	629.0	621.9	616.8
22.5°	794.2	766.3	730.1	693.2	660.0	638.2	625.0	612.0	601.7	594.9	588.1
25°	754.2	717.5	679.1	637.0	614.3	595.3	581.0	570.5	564.1	555.3	551.9
27.5°	713.0	668.5	626.2	597.9	574.3	556.9	544.4	536.5	528.5	522.8	518.5
30°	681.3	636.2	598.3	571.3	547.3	533.0	522.8	513.6	507.2	502.6	499.2
32.5°	649.9	604.8	573.0	544.0	525.1	511.0	500.3	493.4	488.4	482.4	480.4
35°	604.6	564.6	536.8	510.6	491.2	478.6	470.2	463.0	458.8	457.1	455.8
37.5°	561.0	528.2	498.4	476.9	459.6	449.7	439.7	436.3	433.3	430.3	431.7
40°	533.4	502.6	476.1	453.4	439.4	428.5	422.6	418.4	415.8	415.8	415.8
42.5°	509.5	479.3	453.5	433.1	419.2	410.0	403.4	399.8	398.9	398.6	400.7
45°	472.3	444.5	418.4	401.5	389.7	380.4	376.7	373.7	373.7	375.4	375.8
47.5°	435.5	409.4	388.5	369.6	358.8	353.0	349.7	348.2	348.3	350.1	352.0
50°	412.9	387.2	366.5	349.7	339.6	334.1	331.1	330.3	331.1	331.1	334.1
52.5°	388.2	365.3	345.0	330.8	319.3	314.2	312.6	311.4	312.0	313.3	314.6
55°	352.2	331.6	312.2	298.7	290.3	286.9	283.1	283.5	282.7	283.5	283.5
57.5°	316.1	297.5	279.5	268.8	261.4	256.5	252.4	253.6	252.3	252.2	251.4
60°	292.8	272.6	258.3	248.6	240.1	235.9	232.1	233.0	231.7	230.8	229.2
62.5°	267.5	250.6	237.0	227.7	220.9	216.0	212.2	211.4	208.5	205.6	201.9
65°	230.8	217.0	204.8	195.9	189.6	185.8	182.8	180.3	174.0	167.2	163.9
67.5°	195.3	185.2	173.8	166.4	161.2	156.2	150.6	146.3	140.4	136.7	134.6
70°	172.3	162.6	153.0	145.8	140.3	135.7	129.4	126.4	122.2	120.5	118.4
72.5°	150.4	141.4	132.4	125.9	120.1	116.5	111.5	108.5	106.7	106.0	103.9
75°	117.2	110.0	103.2	97.4	92.7	90.2	88.1	86.0	85.1	81.3	79.2
77.5°	85.5	80.7	76.5	72.3	69.0	67.3	63.3	60.8	59.4	57.7	57.2
80°	66.5	63.2	59.0	56.5	51.8	50.1	48.5	48.0	47.6	47.2	46.7
82.5°	50.1	46.7	42.5	41.0	39.7	38.7	37.6	37.2	36.8	37.1	37.0
85°	25.3	23.6	23.6	23.2	22.7	22.3	21.9	21.9	21.5	21.9	21.5
87.5°	10.8	10.9	11.2	10.8	11.5	11.8	11.7	12.0	12.5	12.1	12.3
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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	998.1	998.9	996.5	995.8	996.5	998.9	998.1	1000.2	1000.5	1003.2	1002.2
5°	926.1	925.2	923.1	923.5	923.1	925.2	926.1	929.4	931.1	937.9	937.0
7.5°	864.4	861.1	862.0	858.6	862.0	861.1	864.4	867.4	872.5	875.6	882.7
10°	826.6	822.0	818.2	814.8	818.2	822.0	826.6	828.3	835.4	838.8	846.0
12.5°	775.1	771.1	766.0	767.0	766.0	771.1	775.1	782.4	791.6	798.8	809.9
15°	701.9	695.6	685.5	686.7	685.5	695.6	701.9	707.4	716.7	732.7	740.2
17.5°	640.0	640.1	635.4	636.5	635.4	640.1	640.0	647.5	652.2	662.4	674.0
20°	607.9	605.0	605.4	604.2	605.4	605.0	607.9	616.8	621.9	629.0	641.7
22.5°	585.7	582.1	579.2	576.6	579.2	582.1	585.7	588.1	594.9	601.7	612.0
25°	548.1	545.6	541.8	541.0	541.8	545.6	548.1	551.9	555.3	564.1	570.5
27.5°	515.1	514.6	513.1	511.1	513.1	514.6	515.1	518.5	522.8	528.5	536.5
30°	495.9	495.0	494.2	492.9	494.2	495.0	495.9	499.2	502.6	507.2	513.6
32.5°	478.7	478.2	477.4	477.4	477.4	478.2	478.7	480.4	482.4	488.4	493.4
35°	454.2	453.8	452.9	452.5	452.9	453.8	454.2	455.8	457.1	458.8	463.0
37.5°	431.3	432.4	431.8	431.7	431.8	432.4	431.3	431.7	430.3	433.3	436.3
40°	415.4	415.8	416.7	416.3	416.7	415.8	415.4	415.8	415.8	415.8	418.4
42.5°	402.3	402.3	403.5	402.1	403.5	402.3	402.3	400.7	398.6	398.9	399.8
45°	378.7	381.3	380.9	380.9	380.9	381.3	378.7	375.8	375.4	373.7	373.7
47.5°	353.1	355.2	355.8	355.8	355.8	355.2	353.1	352.0	350.1	348.3	348.2
50°	336.2	335.3	336.6	336.2	336.6	335.3	336.2	334.1	331.1	331.1	330.3
52.5°	315.7	315.8	315.8	315.3	315.8	315.8	315.7	314.6	313.3	312.0	311.4
55°	284.0	284.4	283.5	284.0	283.5	284.4	284.0	283.5	283.5	282.7	283.5
57.5°	249.6	247.6	248.4	247.4	248.4	247.6	249.6	251.4	252.2	252.3	253.6
60°	225.0	221.6	220.8	219.1	220.8	221.6	225.0	229.2	230.8	231.7	233.0
62.5°	197.3	195.0	192.1	193.5	192.1	195.0	197.3	201.9	205.6	208.5	211.4
65°	160.5	158.8	157.6	159.2	157.6	158.8	160.5	163.9	167.2	174.0	180.3
67.5°	132.8	132.0	132.0	131.1	132.0	132.0	132.8	134.6	136.7	140.4	146.3
70°	118.4	117.2	117.2	116.3	117.2	117.2	118.4	118.4	120.5	122.2	126.4
72.5°	103.5	102.3	102.7	102.1	102.7	102.3	103.5	103.9	106.0	106.7	108.5
75°	76.7	74.5	74.5	75.0	74.5	74.5	76.7	79.2	81.3	85.1	86.0
77.5°	57.2	56.8	57.4	56.6	57.4	56.8	57.2	57.2	57.7	59.4	60.8
80°	46.7	46.3	45.9	47.2	45.9	46.3	46.7	46.7	47.2	47.6	48.0
82.5°	36.3	36.2	36.1	37.8	36.1	36.2	36.3	37.0	37.1	36.8	37.2
85°	21.9	21.1	21.9	21.1	21.9	21.1	21.9	21.5	21.9	21.5	21.9
87.5°	13.0	12.8	12.5	12.9	12.5	12.8	13.0	12.3	12.1	12.5	12.0
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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1000.2	1002.6	1008.0	1014.0	1019.1	1023.4	1026.8	1031.5	1035.9	1042.0	1047.7
5°	939.5	945.4	953.9	963.9	976.6	985.0	995.5	1004.8	1018.3	1031.8	1044.9
7.5°	886.3	892.8	905.1	919.2	934.1	947.9	960.4	976.8	994.7	1014.2	1036.2
10°	851.9	859.0	873.8	889.8	907.5	921.0	937.9	957.2	977.5	1001.5	1028.4
12.5°	820.9	827.7	845.5	861.8	880.2	895.0	914.6	934.3	961.2	987.3	1018.0
15°	760.5	778.6	798.8	818.2	840.1	858.3	881.8	902.1	927.7	964.4	999.3
17.5°	693.4	712.7	737.8	767.7	797.1	819.5	843.4	868.5	899.1	936.6	976.9
20°	654.3	669.9	697.7	730.9	765.1	796.3	818.2	846.0	877.6	918.1	959.7
22.5°	625.0	638.2	660.0	693.2	730.1	766.3	794.2	821.7	856.7	897.1	942.5
25°	581.0	595.3	614.3	637.0	679.1	717.5	754.2	785.8	822.8	863.2	913.9
27.5°	544.4	556.9	574.3	597.9	626.2	668.5	713.0	749.0	787.0	830.4	881.1
30°	522.8	533.0	547.3	571.3	598.3	636.2	681.3	723.4	761.8	806.8	859.4
32.5°	500.3	511.0	525.1	544.0	573.0	604.8	649.9	696.1	736.8	782.9	834.6
35°	470.2	478.6	491.2	510.6	536.8	564.6	604.6	652.2	695.1	744.5	793.8
37.5°	439.7	449.7	459.6	476.9	498.4	528.2	561.0	609.7	657.3	702.3	750.4
40°	422.6	428.5	439.4	453.4	476.1	502.6	533.4	581.0	628.6	673.3	721.7
42.5°	403.4	410.0	419.2	433.1	453.5	479.3	509.5	550.6	600.3	643.6	687.7
45°	376.7	380.4	389.7	401.5	418.4	444.5	472.3	509.0	555.7	597.0	635.7
47.5°	349.7	353.0	358.8	369.6	388.5	409.4	435.5	468.3	509.4	550.6	583.4
50°	331.1	334.1	339.6	349.7	366.5	387.2	412.9	442.4	479.0	518.6	546.1
52.5°	312.6	314.2	319.3	330.8	345.0	365.3	388.2	415.4	449.7	482.6	510.3
55°	283.1	286.9	290.3	298.7	312.2	331.6	352.2	378.0	404.5	432.3	455.8
57.5°	252.4	256.5	261.4	268.8	279.5	297.5	316.1	336.9	359.6	382.6	402.4
60°	232.1	235.9	240.1	248.6	258.3	272.6	292.8	310.9	328.2	349.3	369.1
62.5°	212.2	216.0	220.9	227.7	237.0	250.6	267.5	283.3	301.3	319.6	334.4
65°	182.8	185.8	189.6	195.9	204.8	217.0	230.8	243.1	259.1	272.6	286.1
67.5°	150.6	156.2	161.2	166.4	173.8	185.2	195.3	206.9	217.9	227.8	240.1
70°	129.4	135.7	140.3	145.8	153.0	162.6	172.3	180.3	189.2	198.8	209.8
72.5°	111.5	116.5	120.1	125.9	132.4	141.4	150.4	157.1	164.2	170.9	181.5
75°	88.1	90.2	92.7	97.4	103.2	110.0	117.2	123.0	127.2	133.2	140.7
77.5°	63.3	67.3	69.0	72.3	76.5	80.7	85.5	90.4	94.4	96.6	102.3
80°	48.5	50.1	51.8	56.5	59.0	63.2	66.5	71.2	72.9	75.0	80.5
82.5°	37.6	38.7	39.7	41.0	42.5	46.7	50.1	53.0	54.7	55.5	59.6
85°	21.9	22.3	22.7	23.2	23.6	23.6	25.3	27.4	30.3	30.3	31.6
87.5°	11.7	11.8	11.5	10.8	11.2	10.9	10.8	10.3	10.9	11.5	12.0
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: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1052.1	1055.1	1058.5	1064.9	1070.3	1072.7	1077.4	1080.8	1079.7	1084.4	1092.6
5°	1056.2	1067.6	1080.7	1094.2	1109.3	1122.0	1132.0	1142.2	1150.2	1159.8	1174.2
7.5°	1055.6	1075.8	1097.8	1122.0	1146.8	1168.3	1188.2	1208.4	1226.4	1246.0	1271.7
10°	1052.9	1079.8	1107.2	1138.8	1170.4	1200.3	1227.2	1252.6	1276.6	1302.3	1334.7
12.5°	1049.8	1080.9	1114.0	1151.9	1191.3	1227.2	1258.9	1295.4	1325.5	1358.6	1396.1
15°	1036.4	1078.2	1123.2	1172.5	1219.7	1268.1	1311.5	1356.2	1397.9	1437.5	1484.7
17.5°	1021.1	1069.2	1122.4	1180.6	1237.3	1296.2	1347.7	1404.0	1446.6	1499.8	1543.6
20°	1008.6	1060.4	1117.3	1182.6	1247.1	1312.4	1369.3	1426.6	1474.6	1528.1	1583.7
22.5°	993.5	1050.4	1111.9	1179.6	1247.1	1318.4	1381.4	1438.4	1497.9	1558.1	1615.4
25°	969.0	1028.0	1093.3	1167.4	1245.0	1317.9	1385.3	1456.0	1520.1	1585.4	1636.8
27.5°	939.1	1000.9	1069.8	1146.3	1225.8	1300.5	1379.9	1455.3	1519.7	1582.6	1627.5
30°	915.0	980.4	1046.6	1124.0	1206.7	1286.7	1371.8	1447.2	1515.0	1571.5	1596.8
32.5°	890.5	952.4	1020.6	1099.2	1183.7	1269.9	1354.2	1431.4	1494.1	1528.0	1528.7
35°	847.7	905.8	976.6	1053.7	1140.5	1234.1	1319.5	1395.3	1433.7	1436.7	1395.3
37.5°	801.0	854.4	921.1	998.3	1093.4	1186.5	1273.8	1324.4	1337.1	1294.3	1217.9
40°	767.6	816.9	881.4	960.6	1054.9	1151.0	1230.7	1267.7	1254.3	1184.7	1099.6
42.5°	732.6	778.5	840.6	918.8	1013.5	1110.6	1178.4	1198.3	1162.6	1082.3	982.7
45°	675.3	717.5	779.0	857.8	948.8	1039.8	1091.2	1081.1	1021.7	926.5	814.8
47.5°	615.8	656.5	711.9	784.7	877.9	956.5	991.3	960.8	876.2	771.5	680.6
50°	576.4	618.1	669.1	738.6	823.6	899.5	921.9	875.5	781.6	680.8	597.4
52.5°	537.6	573.2	623.2	690.4	771.7	835.8	847.7	794.2	697.3	607.0	533.1
55°	478.6	511.0	553.2	616.4	686.7	741.1	734.7	666.1	578.1	501.0	442.8
57.5°	421.6	446.0	484.9	544.2	605.9	642.4	619.3	560.8	478.7	415.6	366.5
60°	383.8	406.5	442.8	494.6	549.0	569.6	550.2	486.6	421.8	364.0	322.7
62.5°	348.1	368.1	399.3	447.4	491.3	503.6	482.8	427.3	368.8	319.5	285.3
65°	296.2	314.7	341.3	375.4	405.8	411.6	398.2	341.3	297.0	255.7	232.1
67.5°	249.1	261.2	281.9	311.4	327.6	331.0	304.9	269.2	230.2	204.9	187.0
70°	217.4	225.9	245.2	261.2	274.3	274.7	250.6	222.0	192.1	171.5	158.4
72.5°	186.7	194.8	209.5	220.5	230.4	227.2	205.2	182.6	158.4	142.8	133.2
75°	144.1	151.2	158.8	163.9	163.9	159.7	143.7	126.8	112.9	103.6	100.7
77.5°	104.7	110.7	113.2	112.4	110.9	104.3	94.2	83.2	78.2	73.8	71.6
80°	82.1	84.7	85.6	83.4	80.9	73.3	66.5	61.9	57.3	55.6	54.7
82.5°	60.9	63.1	60.9	61.5	55.9	49.7	46.0	44.4	42.5	41.8	41.0
85°	32.5	32.0	31.2	29.1	25.3	24.4	24.0	23.6	22.7	23.2	22.3
87.5°	12.1	11.6	10.7	10.8	11.2	10.9	11.5	11.8	12.1	12.0	13.0
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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7	1045.7
2.5°	1096.9	1098.3	1099.3	1102.6	1103.0	1106.0	1103.0
5°	1187.6	1193.6	1202.8	1212.1	1213.0	1218.9	1208.3
7.5°	1289.4	1303.1	1311.6	1326.6	1332.5	1336.3	1330.2
10°	1359.5	1372.2	1394.6	1405.5	1416.4	1418.2	1413.1
12.5°	1427.4	1447.4	1465.0	1485.7	1485.2	1500.1	1494.6
15°	1517.6	1538.2	1562.7	1585.8	1594.3	1594.3	1601.0
17.5°	1581.9	1619.8	1645.0	1663.3	1683.1	1686.6	1684.3
20°	1625.4	1666.3	1693.3	1716.8	1730.4	1734.1	1734.1
22.5°	1657.8	1692.6	1718.9	1740.1	1751.2	1755.7	1754.4
25°	1680.2	1710.1	1726.1	1732.4	1735.4	1734.6	1726.6
27.5°	1649.5	1648.1	1638.1	1618.7	1604.1	1595.2	1585.2
30°	1590.9	1569.0	1543.7	1515.8	1480.0	1452.7	1444.2
32.5°	1503.6	1454.4	1411.6	1365.2	1326.7	1299.3	1287.9
35°	1334.7	1256.8	1193.2	1137.6	1097.1	1071.8	1063.4
37.5°	1134.3	1058.9	980.2	926.2	892.7	867.1	857.6
40°	1006.9	924.8	856.1	805.6	771.0	746.2	745.8
42.5°	890.7	812.2	747.6	711.1	673.9	657.5	657.4
45°	729.3	666.5	611.7	583.1	560.8	547.3	543.5
47.5°	603.8	551.9	515.4	492.6	474.4	465.8	460.3
50°	533.4	487.9	458.8	439.0	428.9	418.0	417.1
52.5°	474.8	438.0	415.3	399.3	386.4	379.9	380.0
55°	398.9	369.9	353.9	341.7	331.6	326.5	324.4
57.5°	336.1	314.3	302.7	291.4	287.2	283.2	282.1
60°	297.0	282.3	271.3	262.4	256.2	254.9	254.4
62.5°	264.7	249.2	241.7	234.8	230.2	228.2	227.5
65°	218.2	206.8	200.1	194.6	193.0	190.0	189.6
67.5°	175.9	169.1	164.6	160.9	158.6	158.4	158.4
70°	150.0	146.2	142.4	140.3	139.0	138.2	138.2
72.5°	127.8	124.9	121.8	120.7	120.5	119.6	119.3
75°	97.4	94.3	94.8	92.7	91.0	88.9	87.6
77.5°	69.0	66.9	66.5	66.2	64.8	64.6	65.2
80°	53.5	51.4	51.0	51.4	51.0	49.7	49.7
82.5°	40.7	38.9	38.5	38.3	37.9	38.3	37.5
85°	21.9	21.1	21.1	21.1	21.9	21.5	21.1
87.5°	12.5	12.4	12.9	12.7	12.8	12.5	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



TEST NUMBER: P332949-927

CATALOG NUMBER: SA4XXRDIP-C795D1205U927-4F0-1E-UDD-A

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)