

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: P332793-927

Luminaire Tested: **S124DIW-S795D1340U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332793-927  
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: S124DIW-S795D1340U927-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7059.5 lumens  
Efficiency: N/A  
Efficacy: 115.0 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: Semi-Indirect

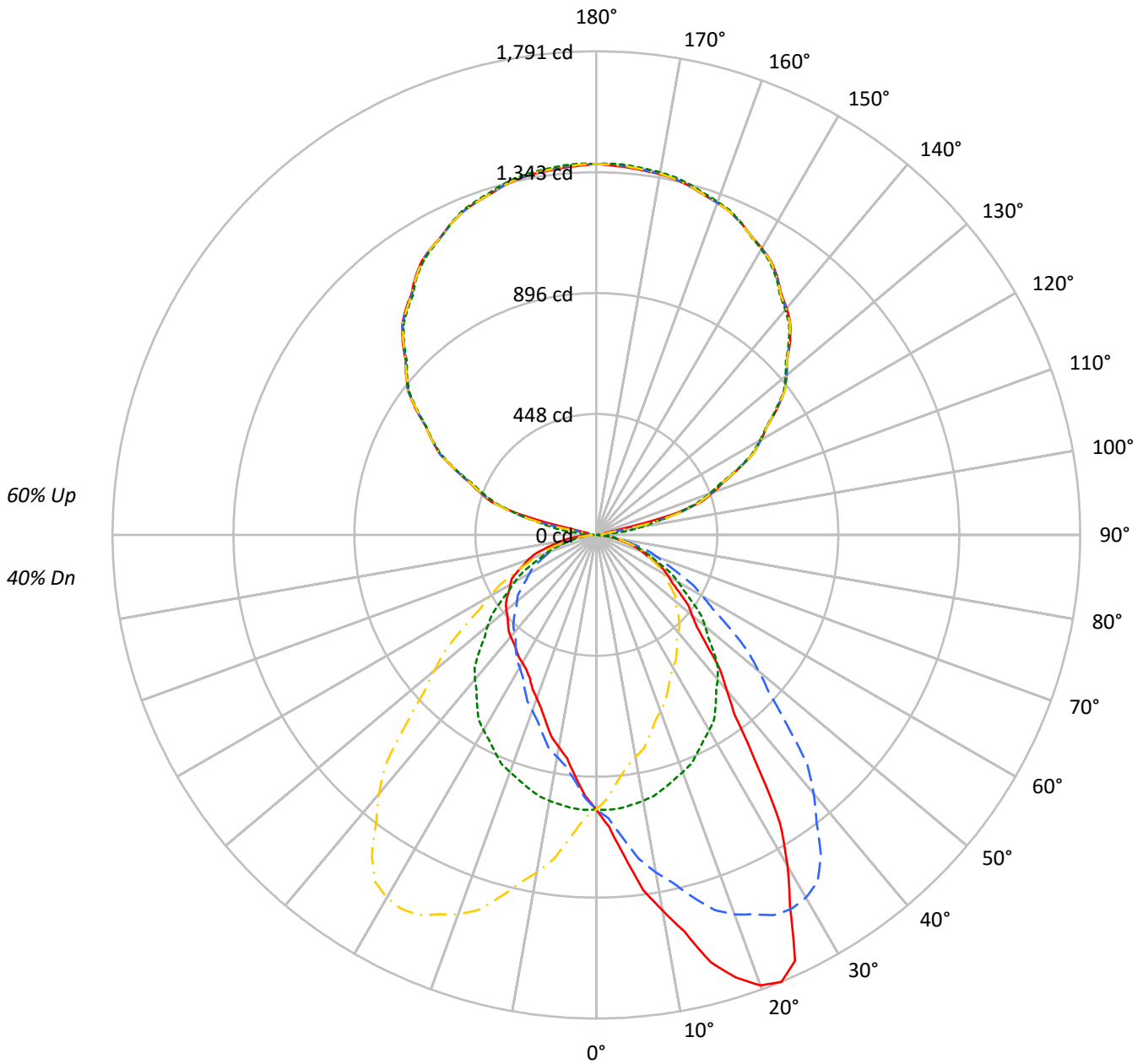
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



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



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

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																												
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40	34																												
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	29																												
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24																												
4	73	62	55	49	66	57	51	45	47	42	38	38	34	32	29	27	25	21																												
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																												
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																												
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17	14																												
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																												
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																												
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	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	1.4
10°-20°	305.4	4.3
20°-30°	484.3	6.9
30°-40°	539.0	7.6
40°-50°	490.6	6.9
50°-60°	400.9	5.7
60°-70°	286.2	4.1
70°-80°	157.6	2.2
80°-90°	47.0	0.7
90°-100°	47.0	0.7
100°-110°	299.6	4.2
110°-120°	573.1	8.1
120°-130°	727.5	10.3
130°-140°	778.4	11.0
140°-150°	727.9	10.3
150°-160°	587.0	8.3
160°-170°	378.6	5.4
170°-180°	130.5	1.8
0°-30°	888.8	12.6
0°-40°	1427.7	20.2
0°-60°	2319.2	32.9
0°-90°	2810.0	39.8
90°-120°	919.7	13.0
90°-150°	3153.4	44.7
90°-180°	4250.0	60.2
0°-180°	7059.5	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°	31	3	31	3	31	14
95°	30	56	30	56	30	24
105°	293	309	293	309	293	255
115°	582	577	582	577	582	576
125°	818	812	818	812	818	728
135°	1014	1007	1014	1007	1014	781
145°	1167	1161	1167	1161	1167	729
155°	1272	1273	1272	1273	1272	587
165°	1337	1343	1337	1343	1337	378
175°	1366	1374	1366	1374	1366	130
180°	1374	1374	1374	1374	1374	



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	13.5	14.5	14.4	14.7	15.2	15.4	15.4	14.8	15.9	16.0	17.0
90°	30.8	30.3	29.9	29.5	29.0	28.1	26.7	25.3	24.0	22.6	20.8
92.5°	28.4	28.3	28.2	28.1	28.0	27.3	25.9	24.6	23.1	21.8	20.0
95°	29.8	29.5	29.3	29.1	28.9	28.1	26.7	25.3	24.0	22.6	22.3
97.5°	28.8	28.5	28.3	28.1	27.9	27.6	27.6	27.4	27.3	27.1	52.6
100°	28.8	28.5	28.3	28.1	27.9	29.7	33.6	37.5	41.4	45.2	76.7
102.5°	29.6	29.5	29.5	29.5	29.4	50.3	92.2	134.1	175.9	217.9	222.0
105°	292.9	301.0	309.3	317.5	325.7	328.8	326.8	324.7	322.7	320.6	319.4
107.5°	408.1	407.3	406.4	405.5	404.6	403.7	402.7	401.7	400.7	399.7	398.2
110°	458.3	457.6	456.9	456.2	455.5	455.0	454.5	454.1	453.6	453.1	451.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	508.4	507.6	506.7	505.8	504.9	504.5	504.6	504.7	504.9	504.9	504.3
115°	581.5	581.5	581.5	581.5	581.5	581.3	580.9	580.4	580.0	579.5	579.7
117.5°	655.9	656.1	656.2	656.2	656.3	656.4	656.5	656.6	656.7	656.8	656.2
120°	702.8	703.3	703.7	704.2	704.6	704.6	704.2	703.7	703.3	702.8	703.1
122.5°	748.8	749.3	749.7	750.2	750.7	750.8	750.5	750.2	750.0	749.6	749.3
125°	817.9	817.7	817.5	817.2	817.0	816.5	815.9	815.2	814.4	813.8	814.2
127.5°	878.5	878.7	878.8	879.1	879.2	879.4	879.6	879.7	879.8	880.0	878.9
130°	919.6	919.6	919.6	919.6	919.6	919.5	919.2	919.0	918.9	918.6	917.9
132.5°	957.4	957.6	957.8	958.0	958.1	958.1	957.9	957.7	957.4	957.2	956.3
135°	1014.2	1013.7	1013.2	1012.8	1012.3	1011.9	1011.4	1011.0	1010.5	1010.0	1009.2
137.5°	1062.6	1062.8	1063.0	1063.0	1063.2	1063.0	1062.5	1062.0	1061.5	1061.0	1060.0
140°	1096.4	1096.1	1095.9	1095.7	1095.4	1095.0	1094.3	1093.6	1092.9	1092.3	1091.8
142.5°	1124.3	1124.3	1124.2	1124.2	1124.1	1123.9	1123.3	1122.8	1122.4	1121.8	1121.6
145°	1167.3	1166.8	1166.3	1165.9	1165.5	1165.1	1164.8	1164.6	1164.4	1164.2	1164.2
147.5°	1202.8	1202.5	1202.4	1202.1	1201.9	1201.7	1201.5	1201.3	1201.1	1200.9	1201.2
150°	1225.8	1225.6	1225.3	1225.1	1224.9	1224.8	1224.8	1224.8	1224.8	1224.8	1225.0
152.5°	1245.5	1245.7	1245.8	1245.9	1246.1	1245.9	1245.6	1245.2	1244.9	1244.5	1244.9
155°	1272.1	1272.7	1273.4	1274.1	1274.8	1274.7	1273.7	1272.9	1271.9	1271.1	1271.7
157.5°	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0	1297.8	1296.6	1295.5	1294.3	1295.1
160°	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5	1313.1	1311.8	1310.4	1309.1	1309.2
162.5°	1320.6	1322.1	1323.7	1325.2	1326.7	1326.8	1325.5	1324.1	1322.7	1321.4	1321.6
165°	1336.8	1338.9	1340.9	1343.0	1345.0	1345.1	1343.3	1341.5	1339.7	1337.8	1337.8
167.5°	1348.9	1351.2	1353.4	1355.7	1358.0	1358.2	1356.1	1354.2	1352.2	1350.1	1350.3
170°	1356.3	1358.6	1360.9	1363.2	1365.4	1365.6	1363.8	1362.0	1360.2	1358.4	1358.1
172.5°	1360.4	1362.9	1365.3	1367.8	1370.3	1370.6	1368.8	1366.9	1365.1	1363.3	1363.0
175°	1365.6	1368.3	1371.0	1373.8	1376.5	1376.9	1374.8	1372.8	1370.7	1368.7	1368.4
177.5°	1368.8	1371.0	1373.2	1375.4	1377.6	1378.0	1376.5	1375.1	1373.6	1372.1	1371.7
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	16.6	16.6	15.8	14.1	12.6	11.1	10.2	9.3	10.2	11.1	11.9
90°	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1	5.6	8.1	10.6
92.5°	18.1	16.3	14.5	13.5	13.4	13.2	13.1	12.9	13.1	13.2	13.4
95°	22.2	21.9	21.7	25.4	33.2	41.0	48.7	56.5	48.7	41.0	33.2
97.5°	78.1	103.5	129.0	139.3	134.5	129.7	124.8	120.0	124.8	129.7	134.5
100°	108.2	139.7	171.3	185.0	180.9	176.7	172.6	168.5	172.6	176.7	180.9
102.5°	226.1	230.1	234.2	234.8	231.8	228.8	225.8	222.8	225.8	228.8	231.8
105°	318.3	317.2	316.0	314.7	313.4	312.0	310.6	309.3	310.6	312.0	313.4
107.5°	396.6	395.1	393.5	392.4	391.7	391.0	390.3	389.6	390.3	391.0	391.7
110°	450.4	449.0	447.7	446.6	445.9	445.3	444.6	443.9	444.6	445.3	445.9





TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	503.7	503.0	502.3	501.5	500.2	499.0	497.7	496.5	497.7	499.0	500.2
115°	580.0	580.2	580.4	580.2	579.5	578.8	578.1	577.4	578.1	578.8	579.5
117.5°	655.8	655.3	654.7	654.0	653.2	652.2	651.3	650.4	651.3	652.2	653.2
120°	703.3	703.5	703.7	703.4	702.5	701.6	700.6	699.7	700.6	701.6	702.5
122.5°	749.0	748.7	748.4	748.0	747.4	746.9	746.3	745.8	746.3	746.9	747.4
125°	814.7	815.2	815.6	815.4	814.4	813.6	812.6	811.7	812.6	813.6	814.4
127.5°	877.8	876.8	875.8	875.1	874.9	874.6	874.4	874.2	874.4	874.6	874.9
130°	917.2	916.6	915.8	915.4	915.1	915.0	914.7	914.5	914.7	915.0	915.1
132.5°	955.5	954.7	953.8	953.1	952.7	952.3	951.9	951.5	951.9	952.3	952.7
135°	1008.2	1007.3	1006.4	1006.1	1006.3	1006.5	1006.7	1006.9	1006.7	1006.5	1006.3
137.5°	1059.0	1058.0	1057.0	1056.5	1056.4	1056.2	1056.1	1056.1	1056.1	1056.2	1056.4
140°	1091.3	1090.8	1090.4	1090.0	1089.5	1089.0	1088.6	1088.1	1088.6	1089.0	1089.5
142.5°	1121.3	1121.0	1120.7	1120.2	1119.4	1118.6	1117.7	1116.9	1117.7	1118.6	1119.4
145°	1164.2	1164.2	1164.2	1163.8	1163.2	1162.4	1161.7	1161.1	1161.7	1162.4	1163.2
147.5°	1201.4	1201.7	1201.9	1201.3	1200.1	1198.8	1197.5	1196.2	1197.5	1198.8	1200.1
150°	1225.3	1225.5	1225.7	1225.3	1224.5	1223.5	1222.7	1221.7	1222.7	1223.5	1224.5
152.5°	1245.3	1245.8	1246.2	1246.0	1245.2	1244.5	1243.8	1243.1	1243.8	1244.5	1245.2
155°	1272.4	1273.1	1273.7	1274.0	1273.7	1273.5	1273.3	1273.1	1273.3	1273.5	1273.7
157.5°	1295.8	1296.6	1297.4	1297.8	1297.9	1298.1	1298.2	1298.4	1298.2	1298.1	1297.9
160°	1309.5	1309.7	1310.0	1310.4	1311.1	1311.8	1312.5	1313.1	1312.5	1311.8	1311.1
162.5°	1321.8	1322.1	1322.3	1322.9	1323.7	1324.6	1325.4	1326.3	1325.4	1324.6	1323.7
165°	1337.8	1337.8	1337.8	1338.4	1339.5	1340.7	1341.8	1343.0	1341.8	1340.7	1339.5
167.5°	1350.4	1350.6	1350.7	1351.4	1352.6	1353.8	1354.9	1356.1	1354.9	1353.8	1352.6
170°	1357.9	1357.6	1357.5	1358.0	1359.4	1360.7	1362.2	1363.5	1362.2	1360.7	1359.4
172.5°	1362.9	1362.6	1362.4	1362.9	1364.3	1365.7	1367.1	1368.4	1367.1	1365.7	1364.3
175°	1368.2	1367.9	1367.7	1368.3	1369.7	1371.0	1372.4	1373.8	1372.4	1371.0	1369.7
177.5°	1371.4	1371.0	1370.6	1371.1	1372.4	1373.6	1375.0	1376.3	1375.0	1373.6	1372.4
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-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°	13.4	13.9	15.5	16.6	18.0	20.0	21.0	25.0	26.5	28.5	31.8
90°	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3	26.7	28.1	29.0
92.5°	13.5	14.5	16.3	18.1	20.0	21.8	23.1	24.6	25.9	27.3	28.0
95°	25.4	21.7	21.9	22.2	22.3	22.6	24.0	25.3	26.7	28.1	28.9
97.5°	139.3	129.0	103.5	78.1	52.6	27.1	27.3	27.4	27.6	27.6	27.9
100°	185.0	171.3	139.7	108.2	76.7	45.2	41.4	37.5	33.6	29.7	27.9
102.5°	234.8	234.2	230.1	226.1	222.0	217.9	175.9	134.1	92.2	50.3	29.4
105°	314.7	316.0	317.2	318.3	319.4	320.6	322.7	324.7	326.8	328.8	325.7
107.5°	392.4	393.5	395.1	396.6	398.2	399.7	400.7	401.7	402.7	403.7	404.6
110°	446.6	447.7	449.0	450.4	451.8	453.1	453.6	454.1	454.5	455.0	455.5



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	501.5	502.3	503.0	503.7	504.3	504.9	504.9	504.7	504.6	504.5	504.9
115°	580.2	580.4	580.2	580.0	579.7	579.5	580.0	580.4	580.9	581.3	581.5
117.5°	654.0	654.7	655.3	655.8	656.2	656.8	656.7	656.6	656.5	656.4	656.3
120°	703.4	703.7	703.5	703.3	703.1	702.8	703.3	703.7	704.2	704.6	704.6
122.5°	748.0	748.4	748.7	749.0	749.3	749.6	750.0	750.2	750.5	750.8	750.7
125°	815.4	815.6	815.2	814.7	814.2	813.8	814.4	815.2	815.9	816.5	817.0
127.5°	875.1	875.8	876.8	877.8	878.9	880.0	879.8	879.7	879.6	879.4	879.2
130°	915.4	915.8	916.6	917.2	917.9	918.6	918.9	919.0	919.2	919.5	919.6
132.5°	953.1	953.8	954.7	955.5	956.3	957.2	957.4	957.7	957.9	958.1	958.1
135°	1006.1	1006.4	1007.3	1008.2	1009.2	1010.0	1010.5	1011.0	1011.4	1011.9	1012.3
137.5°	1056.5	1057.0	1058.0	1059.0	1060.0	1061.0	1061.5	1062.0	1062.5	1063.0	1063.2
140°	1090.0	1090.4	1090.8	1091.3	1091.8	1092.3	1092.9	1093.6	1094.3	1095.0	1095.4
142.5°	1120.2	1120.7	1121.0	1121.3	1121.6	1121.8	1122.4	1122.8	1123.3	1123.9	1124.1
145°	1163.8	1164.2	1164.2	1164.2	1164.2	1164.2	1164.4	1164.6	1164.8	1165.1	1165.5
147.5°	1201.3	1201.9	1201.7	1201.4	1201.2	1200.9	1201.1	1201.3	1201.5	1201.7	1201.9
150°	1225.3	1225.7	1225.5	1225.3	1225.0	1224.8	1224.8	1224.8	1224.8	1224.8	1224.9
152.5°	1246.0	1246.2	1245.8	1245.3	1244.9	1244.5	1244.9	1245.2	1245.6	1245.9	1246.1
155°	1274.0	1273.7	1273.1	1272.4	1271.7	1271.1	1271.9	1272.9	1273.7	1274.7	1274.8
157.5°	1297.8	1297.4	1296.6	1295.8	1295.1	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0
160°	1310.4	1310.0	1309.7	1309.5	1309.2	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5
162.5°	1322.9	1322.3	1322.1	1321.8	1321.6	1321.4	1322.7	1324.1	1325.5	1326.8	1326.7
165°	1338.4	1337.8	1337.8	1337.8	1337.8	1337.8	1339.7	1341.5	1343.3	1345.1	1345.0
167.5°	1351.4	1350.7	1350.6	1350.4	1350.3	1350.1	1352.2	1354.2	1356.1	1358.2	1358.0
170°	1358.0	1357.5	1357.6	1357.9	1358.1	1358.4	1360.2	1362.0	1363.8	1365.6	1365.4
172.5°	1362.9	1362.4	1362.6	1362.9	1363.0	1363.3	1365.1	1366.9	1368.8	1370.6	1370.3
175°	1368.3	1367.7	1367.9	1368.2	1368.4	1368.7	1370.7	1372.8	1374.8	1376.9	1376.5
177.5°	1371.1	1370.6	1371.0	1371.4	1371.7	1372.1	1373.6	1375.1	1376.5	1378.0	1377.6
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	32.9	33.3	34.4	35.2	34.4	33.3	32.9	31.8	28.5	26.5	25.0
90°	29.5	29.9	30.3	30.8	30.3	29.9	29.5	29.0	28.1	26.7	25.3
92.5°	28.1	28.2	28.3	28.4	28.3	28.2	28.1	28.0	27.3	25.9	24.6
95°	29.1	29.3	29.5	29.8	29.5	29.3	29.1	28.9	28.1	26.7	25.3
97.5°	28.1	28.3	28.5	28.8	28.5	28.3	28.1	27.9	27.6	27.6	27.4
100°	28.1	28.3	28.5	28.8	28.5	28.3	28.1	27.9	29.7	33.6	37.5
102.5°	29.5	29.5	29.5	29.6	29.5	29.5	29.5	29.4	50.3	92.2	134.1
105°	317.5	309.3	301.0	292.9	301.0	309.3	317.5	325.7	328.8	326.8	324.7
107.5°	405.5	406.4	407.3	408.1	407.3	406.4	405.5	404.6	403.7	402.7	401.7
110°	456.2	456.9	457.6	458.3	457.6	456.9	456.2	455.5	455.0	454.5	454.1



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	505.8	506.7	507.6	508.4	507.6	506.7	505.8	504.9	504.5	504.6	504.7
115°	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.3	580.9	580.4
117.5°	656.2	656.2	656.1	655.9	656.1	656.2	656.2	656.3	656.4	656.5	656.6
120°	704.2	703.7	703.3	702.8	703.3	703.7	704.2	704.6	704.6	704.2	703.7
122.5°	750.2	749.7	749.3	748.8	749.3	749.7	750.2	750.7	750.8	750.5	750.2
125°	817.2	817.5	817.7	817.9	817.7	817.5	817.2	817.0	816.5	815.9	815.2
127.5°	879.1	878.8	878.7	878.5	878.7	878.8	879.1	879.2	879.4	879.6	879.7
130°	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.6	919.5	919.2	919.0
132.5°	958.0	957.8	957.6	957.4	957.6	957.8	958.0	958.1	958.1	957.9	957.7
135°	1012.8	1013.2	1013.7	1014.2	1013.7	1013.2	1012.8	1012.3	1011.9	1011.4	1011.0
137.5°	1063.0	1063.0	1062.8	1062.6	1062.8	1063.0	1063.0	1063.2	1063.0	1062.5	1062.0
140°	1095.7	1095.9	1096.1	1096.4	1096.1	1095.9	1095.7	1095.4	1095.0	1094.3	1093.6
142.5°	1124.2	1124.2	1124.3	1124.3	1124.3	1124.2	1124.2	1124.1	1123.9	1123.3	1122.8
145°	1165.9	1166.3	1166.8	1167.3	1166.8	1166.3	1165.9	1165.5	1165.1	1164.8	1164.6
147.5°	1202.1	1202.4	1202.5	1202.8	1202.5	1202.4	1202.1	1201.9	1201.7	1201.5	1201.3
150°	1225.1	1225.3	1225.6	1225.8	1225.6	1225.3	1225.1	1224.9	1224.8	1224.8	1224.8
152.5°	1245.9	1245.8	1245.7	1245.5	1245.7	1245.8	1245.9	1246.1	1245.9	1245.6	1245.2
155°	1274.1	1273.4	1272.7	1272.1	1272.7	1273.4	1274.1	1274.8	1274.7	1273.7	1272.9
157.5°	1297.8	1296.6	1295.5	1294.3	1295.5	1296.6	1297.8	1299.0	1299.0	1297.8	1296.6
160°	1313.1	1311.8	1310.4	1309.1	1310.4	1311.8	1313.1	1314.5	1314.5	1313.1	1311.8
162.5°	1325.2	1323.7	1322.1	1320.6	1322.1	1323.7	1325.2	1326.7	1326.8	1325.5	1324.1
165°	1343.0	1340.9	1338.9	1336.8	1338.9	1340.9	1343.0	1345.0	1345.1	1343.3	1341.5
167.5°	1355.7	1353.4	1351.2	1348.9	1351.2	1353.4	1355.7	1358.0	1358.2	1356.1	1354.2
170°	1363.2	1360.9	1358.6	1356.3	1358.6	1360.9	1363.2	1365.4	1365.6	1363.8	1362.0
172.5°	1367.8	1365.3	1362.9	1360.4	1362.9	1365.3	1367.8	1370.3	1370.6	1368.8	1366.9
175°	1373.8	1371.0	1368.3	1365.6	1368.3	1371.0	1373.8	1376.5	1376.9	1374.8	1372.8
177.5°	1375.4	1373.2	1371.0	1368.8	1371.0	1373.2	1375.4	1377.6	1378.0	1376.5	1375.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	21.0	20.0	18.0	16.6	15.5	13.9	13.4	11.9	11.1	10.2	9.3
90°	24.0	22.6	20.8	18.9	17.1	15.3	13.2	10.6	8.1	5.6	3.1
92.5°	23.1	21.8	20.0	18.1	16.3	14.5	13.5	13.4	13.2	13.1	12.9
95°	24.0	22.6	22.3	22.2	21.9	21.7	25.4	33.2	41.0	48.7	56.5
97.5°	27.3	27.1	52.6	78.1	103.5	129.0	139.3	134.5	129.7	124.8	120.0
100°	41.4	45.2	76.7	108.2	139.7	171.3	185.0	180.9	176.7	172.6	168.5
102.5°	175.9	217.9	222.0	226.1	230.1	234.2	234.8	231.8	228.8	225.8	222.8
105°	322.7	320.6	319.4	318.3	317.2	316.0	314.7	313.4	312.0	310.6	309.3
107.5°	400.7	399.7	398.2	396.6	395.1	393.5	392.4	391.7	391.0	390.3	389.6
110°	453.6	453.1	451.8	450.4	449.0	447.7	446.6	445.9	445.3	444.6	443.9



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	504.9	504.9	504.3	503.7	503.0	502.3	501.5	500.2	499.0	497.7	496.5
115°	580.0	579.5	579.7	580.0	580.2	580.4	580.2	579.5	578.8	578.1	577.4
117.5°	656.7	656.8	656.2	655.8	655.3	654.7	654.0	653.2	652.2	651.3	650.4
120°	703.3	702.8	703.1	703.3	703.5	703.7	703.4	702.5	701.6	700.6	699.7
122.5°	750.0	749.6	749.3	749.0	748.7	748.4	748.0	747.4	746.9	746.3	745.8
125°	814.4	813.8	814.2	814.7	815.2	815.6	815.4	814.4	813.6	812.6	811.7
127.5°	879.8	880.0	878.9	877.8	876.8	875.8	875.1	874.9	874.6	874.4	874.2
130°	918.9	918.6	917.9	917.2	916.6	915.8	915.4	915.1	915.0	914.7	914.5
132.5°	957.4	957.2	956.3	955.5	954.7	953.8	953.1	952.7	952.3	951.9	951.5
135°	1010.5	1010.0	1009.2	1008.2	1007.3	1006.4	1006.1	1006.3	1006.5	1006.7	1006.9
137.5°	1061.5	1061.0	1060.0	1059.0	1058.0	1057.0	1056.5	1056.4	1056.2	1056.1	1056.1
140°	1092.9	1092.3	1091.8	1091.3	1090.8	1090.4	1090.0	1089.5	1089.0	1088.6	1088.1
142.5°	1122.4	1121.8	1121.6	1121.3	1121.0	1120.7	1120.2	1119.4	1118.6	1117.7	1116.9
145°	1164.4	1164.2	1164.2	1164.2	1164.2	1164.2	1163.8	1163.2	1162.4	1161.7	1161.1
147.5°	1201.1	1200.9	1201.2	1201.4	1201.7	1201.9	1201.3	1200.1	1198.8	1197.5	1196.2
150°	1224.8	1224.8	1225.0	1225.3	1225.5	1225.7	1225.3	1224.5	1223.5	1222.7	1221.7
152.5°	1244.9	1244.5	1244.9	1245.3	1245.8	1246.2	1246.0	1245.2	1244.5	1243.8	1243.1
155°	1271.9	1271.1	1271.7	1272.4	1273.1	1273.7	1274.0	1273.7	1273.5	1273.3	1273.1
157.5°	1295.5	1294.3	1295.1	1295.8	1296.6	1297.4	1297.8	1297.9	1298.1	1298.2	1298.4
160°	1310.4	1309.1	1309.2	1309.5	1309.7	1310.0	1310.4	1311.1	1311.8	1312.5	1313.1
162.5°	1322.7	1321.4	1321.6	1321.8	1322.1	1322.3	1322.9	1323.7	1324.6	1325.4	1326.3
165°	1339.7	1337.8	1337.8	1337.8	1337.8	1337.8	1338.4	1339.5	1340.7	1341.8	1343.0
167.5°	1352.2	1350.1	1350.3	1350.4	1350.6	1350.7	1351.4	1352.6	1353.8	1354.9	1356.1
170°	1360.2	1358.4	1358.1	1357.9	1357.6	1357.5	1358.0	1359.4	1360.7	1362.2	1363.5
172.5°	1365.1	1363.3	1363.0	1362.9	1362.6	1362.4	1362.9	1364.3	1365.7	1367.1	1368.4
175°	1370.7	1368.7	1368.4	1368.2	1367.9	1367.7	1368.3	1369.7	1371.0	1372.4	1373.8
177.5°	1373.6	1372.1	1371.7	1371.4	1371.0	1370.6	1371.1	1372.4	1373.6	1375.0	1376.3
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	10.2	11.1	12.6	14.1	15.8	16.6	16.6	17.0	16.0	15.9	14.8
90°	5.6	8.1	10.6	13.2	15.3	17.1	18.9	20.8	22.6	24.0	25.3
92.5°	13.1	13.2	13.4	13.5	14.5	16.3	18.1	20.0	21.8	23.1	24.6
95°	48.7	41.0	33.2	25.4	21.7	21.9	22.2	22.3	22.6	24.0	25.3
97.5°	124.8	129.7	134.5	139.3	129.0	103.5	78.1	52.6	27.1	27.3	27.4
100°	172.6	176.7	180.9	185.0	171.3	139.7	108.2	76.7	45.2	41.4	37.5
102.5°	225.8	228.8	231.8	234.8	234.2	230.1	226.1	222.0	217.9	175.9	134.1
105°	310.6	312.0	313.4	314.7	316.0	317.2	318.3	319.4	320.6	322.7	324.7
107.5°	390.3	391.0	391.7	392.4	393.5	395.1	396.6	398.2	399.7	400.7	401.7
110°	444.6	445.3	445.9	446.6	447.7	449.0	450.4	451.8	453.1	453.6	454.1





TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.7	499.0	500.2	501.5	502.3	503.0	503.7	504.3	504.9	504.9	504.7
115°	578.1	578.8	579.5	580.2	580.4	580.2	580.0	579.7	579.5	580.0	580.4
117.5°	651.3	652.2	653.2	654.0	654.7	655.3	655.8	656.2	656.8	656.7	656.6
120°	700.6	701.6	702.5	703.4	703.7	703.5	703.3	703.1	702.8	703.3	703.7
122.5°	746.3	746.9	747.4	748.0	748.4	748.7	749.0	749.3	749.6	750.0	750.2
125°	812.6	813.6	814.4	815.4	815.6	815.2	814.7	814.2	813.8	814.4	815.2
127.5°	874.4	874.6	874.9	875.1	875.8	876.8	877.8	878.9	880.0	879.8	879.7
130°	914.7	915.0	915.1	915.4	915.8	916.6	917.2	917.9	918.6	918.9	919.0
132.5°	951.9	952.3	952.7	953.1	953.8	954.7	955.5	956.3	957.2	957.4	957.7
135°	1006.7	1006.5	1006.3	1006.1	1006.4	1007.3	1008.2	1009.2	1010.0	1010.5	1011.0
137.5°	1056.1	1056.2	1056.4	1056.5	1057.0	1058.0	1059.0	1060.0	1061.0	1061.5	1062.0
140°	1088.6	1089.0	1089.5	1090.0	1090.4	1090.8	1091.3	1091.8	1092.3	1092.9	1093.6
142.5°	1117.7	1118.6	1119.4	1120.2	1120.7	1121.0	1121.3	1121.6	1121.8	1122.4	1122.8
145°	1161.7	1162.4	1163.2	1163.8	1164.2	1164.2	1164.2	1164.2	1164.2	1164.4	1164.6
147.5°	1197.5	1198.8	1200.1	1201.3	1201.9	1201.7	1201.4	1201.2	1200.9	1201.1	1201.3
150°	1222.7	1223.5	1224.5	1225.3	1225.7	1225.5	1225.3	1225.0	1224.8	1224.8	1224.8
152.5°	1243.8	1244.5	1245.2	1246.0	1246.2	1245.8	1245.3	1244.9	1244.5	1244.9	1245.2
155°	1273.3	1273.5	1273.7	1274.0	1273.7	1273.1	1272.4	1271.7	1271.1	1271.9	1272.9
157.5°	1298.2	1298.1	1297.9	1297.8	1297.4	1296.6	1295.8	1295.1	1294.3	1295.5	1296.6
160°	1312.5	1311.8	1311.1	1310.4	1310.0	1309.7	1309.5	1309.2	1309.1	1310.4	1311.8
162.5°	1325.4	1324.6	1323.7	1322.9	1322.3	1322.1	1321.8	1321.6	1321.4	1322.7	1324.1
165°	1341.8	1340.7	1339.5	1338.4	1337.8	1337.8	1337.8	1337.8	1337.8	1339.7	1341.5
167.5°	1354.9	1353.8	1352.6	1351.4	1350.7	1350.6	1350.4	1350.3	1350.1	1352.2	1354.2
170°	1362.2	1360.7	1359.4	1358.0	1357.5	1357.6	1357.9	1358.1	1358.4	1360.2	1362.0
172.5°	1367.1	1365.7	1364.3	1362.9	1362.4	1362.6	1362.9	1363.0	1363.3	1365.1	1366.9
175°	1372.4	1371.0	1369.7	1368.3	1367.7	1367.9	1368.2	1368.4	1368.7	1370.7	1372.8
177.5°	1375.0	1373.6	1372.4	1371.1	1370.6	1371.0	1371.4	1371.7	1372.1	1373.6	1375.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**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°	15.4	15.4	15.2	14.7	14.4	14.5	13.5
90°	26.7	28.1	29.0	29.5	29.9	30.3	30.8
92.5°	25.9	27.3	28.0	28.1	28.2	28.3	28.4
95°	26.7	28.1	28.9	29.1	29.3	29.5	29.8
97.5°	27.6	27.6	27.9	28.1	28.3	28.5	28.8
100°	33.6	29.7	27.9	28.1	28.3	28.5	28.8
102.5°	92.2	50.3	29.4	29.5	29.5	29.5	29.6
105°	326.8	328.8	325.7	317.5	309.3	301.0	292.9
107.5°	402.7	403.7	404.6	405.5	406.4	407.3	408.1
110°	454.5	455.0	455.5	456.2	456.9	457.6	458.3



TEST NUMBER: P332793-927

CATALOG NUMBER: S124DIW-S795D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	504.6	504.5	504.9	505.8	506.7	507.6	508.4
115°	580.9	581.3	581.5	581.5	581.5	581.5	581.5
117.5°	656.5	656.4	656.3	656.2	656.2	656.1	655.9
120°	704.2	704.6	704.6	704.2	703.7	703.3	702.8
122.5°	750.5	750.8	750.7	750.2	749.7	749.3	748.8
125°	815.9	816.5	817.0	817.2	817.5	817.7	817.9
127.5°	879.6	879.4	879.2	879.1	878.8	878.7	878.5
130°	919.2	919.5	919.6	919.6	919.6	919.6	919.6
132.5°	957.9	958.1	958.1	958.0	957.8	957.6	957.4
135°	1011.4	1011.9	1012.3	1012.8	1013.2	1013.7	1014.2
137.5°	1062.5	1063.0	1063.2	1063.0	1063.0	1062.8	1062.6
140°	1094.3	1095.0	1095.4	1095.7	1095.9	1096.1	1096.4
142.5°	1123.3	1123.9	1124.1	1124.2	1124.2	1124.3	1124.3
145°	1164.8	1165.1	1165.5	1165.9	1166.3	1166.8	1167.3
147.5°	1201.5	1201.7	1201.9	1202.1	1202.4	1202.5	1202.8
150°	1224.8	1224.8	1224.9	1225.1	1225.3	1225.6	1225.8
152.5°	1245.6	1245.9	1246.1	1245.9	1245.8	1245.7	1245.5
155°	1273.7	1274.7	1274.8	1274.1	1273.4	1272.7	1272.1
157.5°	1297.8	1299.0	1299.0	1297.8	1296.6	1295.5	1294.3
160°	1313.1	1314.5	1314.5	1313.1	1311.8	1310.4	1309.1
162.5°	1325.5	1326.8	1326.7	1325.2	1323.7	1322.1	1320.6
165°	1343.3	1345.1	1345.0	1343.0	1340.9	1338.9	1336.8
167.5°	1356.1	1358.2	1358.0	1355.7	1353.4	1351.2	1348.9
170°	1363.8	1365.6	1365.4	1363.2	1360.9	1358.6	1356.3
172.5°	1368.8	1370.6	1370.3	1367.8	1365.3	1362.9	1360.4
175°	1374.8	1376.9	1376.5	1373.8	1371.0	1368.3	1365.6
177.5°	1376.5	1378.0	1377.6	1375.4	1373.2	1371.0	1368.8
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

(END OF REPORT)