

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: P333241-935

Luminaire Tested: **S125DIP-S850D1205U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333241-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D1205U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7120.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

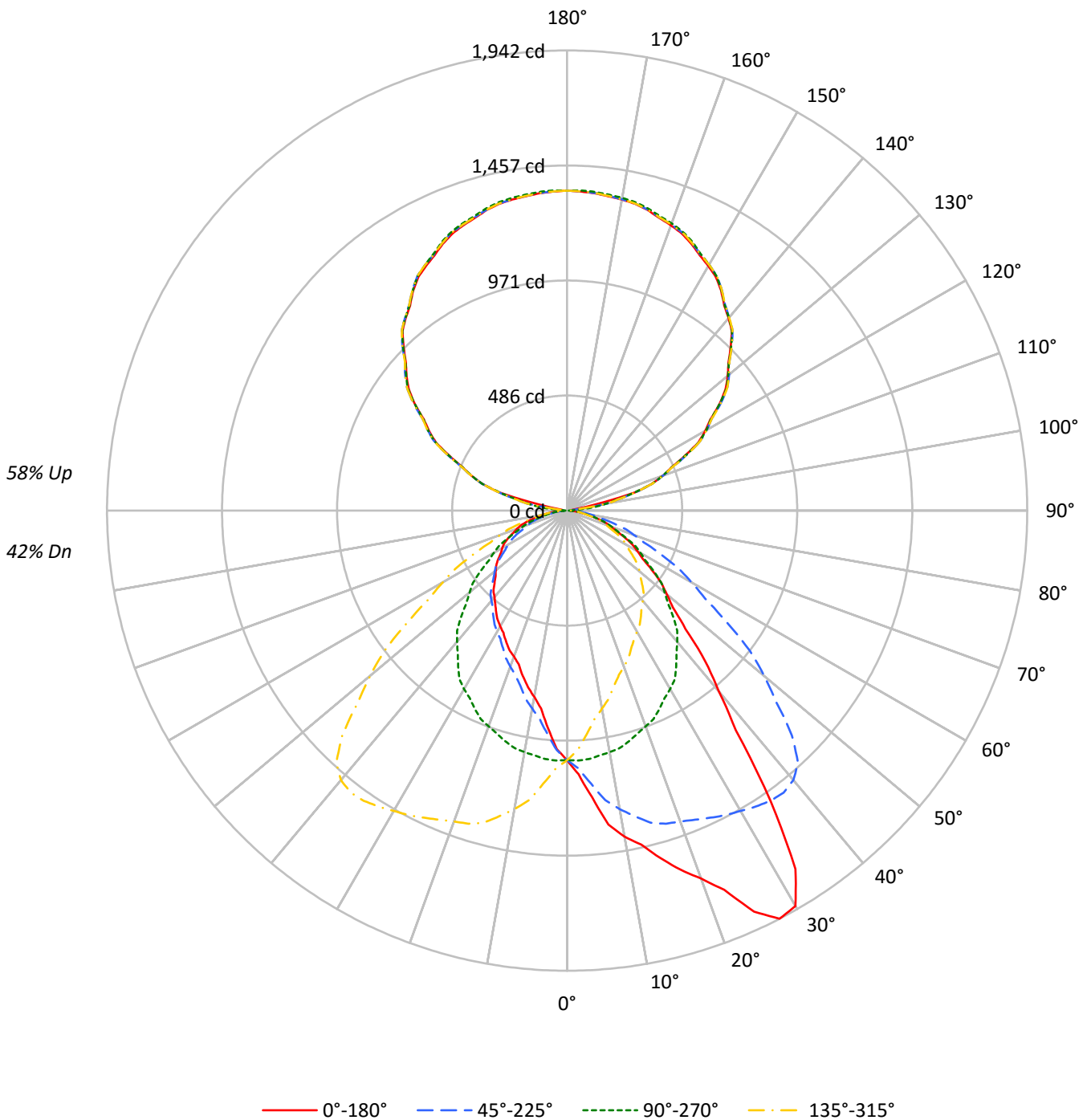
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36
2	88	80	74	69	80	74	69	64	61	57	54	49	47	44	38	37	35	30
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	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	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6803	6803	6803	6803
5°	7878	6825	5977	6825
10°	9165	6790	5237	6790
15°	10146	6740	4831	6740
20°	11357	6661	4504	6661
25°	13304	6572	4345	6572
30°	14370	6485	4207	6485
35°	11815	6320	4117	6320
40°	8398	6091	4018	6091
45°	6452	5782	3961	5782
50°	5507	5399	3953	5399
55°	4904	5024	3987	5024
60°	4423	4614	4088	4614
65°	4085	4201	4195	4201
70°	3714	3773	4254	3773
75°	3281	3324	4217	3324
80°	2760	2708	3861	2708
85°	2186	1949	3112	1949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	1.4
10°-20°	301.9	4.2
20°-30°	490.2	6.9
30°-40°	598.0	8.4
40°-50°	544.0	7.6
50°-60°	433.3	6.1
60°-70°	301.8	4.2
70°-80°	160.9	2.3
80°-90°	43.4	0.6
90°-100°	49.1	0.7
100°-110°	302.3	4.2
110°-120°	548.3	7.7
120°-130°	703.7	9.9
130°-140°	756.9	10.6
140°-150°	710.4	10.0
150°-160°	574.7	8.1
160°-170°	371.7	5.2
170°-180°	128.2	1.8
0°-30°	893.6	12.5
0°-40°	1491.6	20.9
0°-60°	2468.9	34.7
0°-90°	2975.1	41.8
90°-120°	899.7	12.6
90°-150°	3070.7	43.1
90°-180°	4145.0	58.2
0°-180°	7120.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1215	1053	922	1053	1215	122
15°	1517	1008	722	1008	1517	434
25°	1867	922	610	922	1867	853
35°	1499	802	522	802	1499	917
45°	706	633	434	633	706	565
55°	436	446	354	446	436	392
65°	267	275	274	275	267	265
75°	132	133	169	133	132	142
85°	30	26	42	26	30	35
90°	24	1	24	1	24	11
95°	21	57	21	57	21	17
105°	297	294	297	294	297	269
115°	548	552	548	552	548	544
125°	786	786	786	786	786	699
135°	976	980	976	980	976	753
145°	1133	1136	1133	1136	1133	708
155°	1242	1251	1242	1251	1242	572
165°	1313	1320	1313	1320	1313	371
175°	1344	1350	1344	1350	1344	128
180°	1350	1350	1350	1350	1350	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1114.1	1112.7	1111.3	1108.4	1110.5	1104.5	1101.6	1096.6	1090.5	1088.4	1085.9
5°	1215.1	1217.4	1219.6	1210.2	1211.2	1204.9	1190.6	1179.0	1169.6	1157.5	1149.0
7.5°	1336.8	1331.5	1331.0	1325.0	1314.5	1306.1	1291.1	1272.0	1253.4	1232.3	1214.9
10°	1397.6	1398.0	1394.0	1386.8	1375.7	1367.6	1348.0	1329.1	1306.4	1279.5	1260.3
12.5°	1443.4	1445.2	1440.1	1430.5	1425.0	1407.0	1391.5	1369.2	1342.1	1320.7	1291.4
15°	1517.4	1512.4	1508.9	1496.8	1487.5	1468.7	1444.1	1420.8	1391.3	1364.0	1336.8
17.5°	1588.7	1592.7	1586.0	1574.9	1545.8	1523.9	1490.9	1459.1	1422.4	1385.8	1353.2
20°	1652.4	1656.0	1645.7	1626.5	1591.6	1569.7	1526.3	1485.2	1442.7	1395.8	1360.0
22.5°	1731.8	1729.0	1715.1	1685.8	1655.6	1615.1	1568.1	1518.1	1464.9	1411.9	1364.3
25°	1867.0	1848.2	1839.7	1803.5	1763.8	1704.3	1639.9	1566.6	1500.4	1430.2	1369.4
27.5°	1941.9	1936.0	1926.6	1901.3	1859.5	1796.0	1720.0	1630.6	1537.3	1448.7	1369.2
30°	1926.9	1927.8	1928.7	1920.6	1893.9	1846.0	1770.5	1674.3	1563.4	1463.7	1371.7
32.5°	1793.9	1810.2	1825.7	1844.1	1851.6	1842.5	1795.1	1708.3	1594.2	1480.9	1370.2
35°	1498.6	1503.6	1554.0	1604.1	1672.1	1724.8	1760.1	1721.7	1625.6	1495.5	1368.5
37.5°	1168.5	1192.7	1227.6	1284.2	1382.2	1470.1	1583.0	1635.0	1604.0	1500.2	1365.4
40°	996.1	1018.5	1041.2	1098.9	1181.6	1288.1	1416.3	1525.9	1551.3	1485.2	1354.6
42.5°	863.1	880.7	906.0	949.4	1018.6	1112.8	1235.4	1378.5	1466.6	1441.6	1332.1
45°	706.4	717.6	737.3	771.6	821.7	895.5	1003.7	1160.2	1296.5	1341.7	1278.7
47.5°	604.6	604.5	619.8	643.6	679.8	742.4	822.4	945.0	1090.7	1198.4	1193.4
50°	548.1	545.9	557.9	578.5	607.1	648.7	725.1	823.0	963.0	1085.0	1119.0
52.5°	499.5	499.7	507.1	522.4	546.3	581.9	638.9	727.2	846.8	972.1	1036.0
55°	435.5	433.7	442.1	452.5	469.8	493.1	534.3	601.8	698.8	822.2	905.3
57.5°	376.8	381.7	385.1	392.3	406.7	422.3	457.0	506.5	583.5	689.4	777.3
60°	342.4	347.4	350.1	357.2	368.9	382.3	409.1	449.4	514.1	605.4	692.5
62.5°	311.7	315.6	316.4	322.9	332.3	345.4	366.5	400.3	451.5	531.3	616.7
65°	267.3	267.3	269.1	275.9	280.3	292.0	308.1	332.6	373.8	435.9	508.8
67.5°	224.6	226.8	226.3	229.3	233.4	242.4	253.9	274.2	304.7	350.1	408.4
70°	196.7	198.5	198.0	200.3	204.7	210.6	220.0	239.2	261.1	300.0	350.1
72.5°	171.7	172.4	171.3	174.2	176.8	181.9	192.4	202.7	223.2	256.0	297.1
75°	131.5	132.3	133.2	135.0	137.7	140.3	145.8	156.0	169.4	194.1	220.4
77.5°	98.5	96.9	99.0	98.8	100.2	102.3	107.0	112.4	123.5	139.1	159.5
80°	74.2	74.6	74.6	75.1	77.3	78.7	82.7	86.7	95.2	106.9	121.1
82.5°	54.2	55.4	54.7	55.4	57.3	58.3	60.5	63.8	68.8	77.9	88.3
85°	29.5	27.3	28.2	29.1	29.1	29.5	31.3	32.6	35.3	38.9	42.9
87.5°	13.3	13.9	14.2	14.0	14.3	14.1	15.3	15.1	15.9	16.8	17.9
90°	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3	17.1	16.0	14.5
92.5°	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3	17.1	16.0	14.6
95°	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3	17.1	16.0	24.5
97.5°	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7	43.0	49.2	66.0
100°	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9	140.9	174.1	173.2
102.5°	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6	215.9	222.1	221.6
105°	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5	377.5	377.5	377.0
110°	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0	429.6	430.2	429.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8	480.7	481.5	481.2
115°	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6	557.5	558.4	558.1
117.5°	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7	631.9	633.0	632.1
120°	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6	679.0	679.4	678.7
122.5°	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2	724.6	725.0	724.8
125°	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7	791.6	792.5	792.5
127.5°	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5	852.0	852.6	852.6
130°	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2	891.9	892.6	892.3
132.5°	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3	928.5	928.6	929.1
135°	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7	983.2	983.6	984.0
137.5°	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5	1033.4	1033.3	1033.6
140°	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5	1064.1	1063.7	1063.9
142.5°	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1	1095.0	1094.9	1094.6
145°	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2	1138.0	1137.7	1137.7
147.5°	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1	1174.8	1174.6	1174.3
150°	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7	1198.2	1197.7	1197.3
152.5°	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4	1219.0	1218.6	1218.1
155°	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1	1247.5	1246.8	1246.4
157.5°	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9	1271.1	1270.4	1270.4
160°	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6	1285.7	1284.8	1284.6
162.5°	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1	1298.9	1297.6	1297.4
165°	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5	1316.2	1314.8	1314.6
167.5°	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7	1329.0	1327.5	1327.2
170°	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4	1335.7	1333.9	1333.6
172.5°	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6	1341.1	1339.5	1339.0
175°	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4	1346.6	1344.9	1344.6
177.5°	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7	1349.5	1348.2	1348.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1083.7	1081.2	1078.3	1073.3	1067.3	1064.0	1059.0	1055.8	1049.4	1044.0	1038.3
5°	1138.7	1127.0	1116.4	1102.5	1087.3	1077.5	1065.8	1052.8	1039.5	1025.6	1010.4
7.5°	1195.7	1175.1	1152.7	1128.7	1105.2	1083.6	1062.9	1042.6	1023.6	1000.7	981.4
10°	1233.9	1208.0	1180.3	1147.6	1115.9	1088.2	1060.1	1035.4	1010.4	983.6	959.8
12.5°	1272.2	1237.7	1198.5	1162.7	1124.5	1091.1	1057.9	1026.5	995.1	965.4	937.7
15°	1299.2	1268.8	1232.6	1181.6	1138.7	1092.7	1048.9	1008.1	970.2	937.1	902.2
17.5°	1317.0	1277.8	1239.0	1190.1	1133.8	1082.3	1032.7	986.1	943.2	901.3	867.7
20°	1320.3	1280.0	1239.3	1191.5	1133.8	1074.8	1025.2	969.2	923.3	879.9	838.7
22.5°	1319.1	1273.6	1229.2	1180.0	1123.8	1069.4	1009.4	952.4	902.5	859.8	816.9
25°	1309.1	1260.3	1204.9	1155.3	1099.8	1042.2	981.4	922.3	871.3	822.6	780.2
27.5°	1300.6	1237.4	1174.7	1116.8	1063.2	1010.4	952.2	891.7	835.3	785.8	745.8
30°	1290.3	1221.0	1150.3	1089.9	1035.0	983.6	928.6	869.6	810.5	762.2	719.4
32.5°	1281.0	1200.2	1125.7	1060.0	1001.7	951.7	901.0	844.9	787.0	738.0	695.0
35°	1263.0	1169.6	1084.2	1010.0	947.8	896.4	853.9	801.6	748.4	701.0	659.9
37.5°	1240.2	1129.3	1037.7	959.8	891.7	837.6	798.1	757.9	706.8	661.2	624.0
40°	1222.3	1100.7	1003.7	924.1	853.5	797.1	760.5	722.5	680.0	637.6	598.2
42.5°	1199.8	1075.0	969.4	883.7	813.7	758.9	720.4	688.1	650.7	611.1	574.5
45°	1158.4	1028.3	913.9	821.7	751.1	697.0	657.2	633.1	604.9	567.3	536.5
47.5°	1097.5	972.2	853.9	758.8	685.9	635.8	598.5	575.3	555.4	527.5	499.6
50°	1043.4	930.4	810.5	716.2	643.3	592.8	558.4	537.4	520.4	498.9	475.3
52.5°	983.0	877.8	768.0	674.8	602.6	552.8	519.1	500.6	486.5	471.1	447.7
55°	887.0	797.6	695.7	607.1	540.5	491.8	462.3	446.2	434.5	422.9	408.6
57.5°	781.2	711.3	621.0	540.1	478.7	434.4	406.8	391.2	382.2	376.2	367.7
60°	706.8	647.0	569.1	495.3	435.5	396.1	369.3	357.2	349.7	344.7	338.5
62.5°	637.8	588.7	516.5	449.2	396.8	359.6	335.7	324.0	316.7	314.3	309.1
65°	536.1	498.1	438.6	382.7	338.0	306.3	286.1	274.9	270.4	267.8	268.3
67.5°	435.8	412.7	364.9	317.3	281.5	254.9	238.8	230.2	228.0	224.5	224.4
70°	374.6	357.2	317.0	275.4	243.7	223.1	208.8	199.8	197.6	195.8	195.4
72.5°	320.6	305.4	270.4	237.1	208.6	190.5	178.7	173.4	169.7	168.7	168.6
75°	241.0	232.5	204.7	178.4	158.7	146.2	138.2	133.2	130.5	130.1	130.5
77.5°	171.3	163.9	146.3	127.6	115.2	105.7	98.9	97.2	94.2	94.3	93.8
80°	128.7	123.8	112.7	97.9	87.6	79.6	76.0	72.8	72.0	70.6	72.0
82.5°	93.3	88.1	80.5	71.1	62.6	57.8	54.2	53.2	52.7	52.0	52.3
85°	46.1	46.5	42.0	34.9	31.3	28.6	26.3	26.3	25.9	25.5	25.9
87.5°	18.3	17.3	15.6	14.1	12.0	10.6	9.8	9.8	9.1	9.1	9.8
90°	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4	14.2	12.9	11.7
95°	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0	56.4	55.7	55.0
97.5°	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1	120.3	121.5	122.7
100°	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1	167.8	168.4	169.1
102.5°	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9	216.8	217.7	218.4
105°	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2	295.1	295.9	296.9
107.5°	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5	375.5	375.5	375.5
110°	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3



TEST NUMBER: P333241-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9	478.5	479.0	479.5
115°	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3	553.5	554.6	555.7
117.5°	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4	629.4	629.3	629.3
120°	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4	677.2	677.0	676.7
122.5°	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9	720.7	721.5	722.4
125°	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5	787.0	788.6	790.1
127.5°	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2	849.3	850.3	851.4
130°	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6	887.7	888.8	889.9
132.5°	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0	926.3	927.6	928.8
135°	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6	980.9	982.3	983.6
137.5°	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8	1031.0	1032.2	1033.3
140°	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6	1063.2	1063.6	1064.0
142.5°	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3	1092.5	1092.9	1093.1
145°	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7	1136.2	1136.6	1137.0
147.5°	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7	1173.6	1173.5	1173.5
150°	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1197.3	1196.9	1196.4
152.5°	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0	1220.0	1219.0	1218.1
155°	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8	1249.5	1248.1	1246.8
157.5°	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8	1273.0	1272.2	1271.4
160°	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9	1288.5	1287.2	1285.8
162.5°	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6	1301.3	1299.9	1298.6
165°	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8	1318.5	1317.2	1315.9
167.5°	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7	1331.3	1329.9	1328.5
170°	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9	1338.3	1336.7	1335.2
172.5°	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6	1343.1	1341.5	1340.0
175°	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9	1348.5	1347.2	1345.8
177.5°	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3	1351.2	1350.1	1349.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333241-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1035.1	1031.1	1027.9	1020.8	1016.8	1011.5	1007.2	1011.8	1006.9	1009.0	1005.7
5°	1002.8	990.3	981.4	968.4	957.2	946.9	939.4	938.0	934.4	932.6	927.2
7.5°	964.0	948.3	933.0	916.0	901.6	887.1	877.8	870.1	865.0	858.3	853.8
10°	941.1	920.1	902.2	881.7	863.8	848.1	835.6	829.3	823.5	815.0	811.9
12.5°	912.8	891.1	869.3	847.3	830.2	812.7	801.9	792.5	788.5	778.9	777.9
15°	879.0	846.4	824.8	802.5	778.8	764.5	755.5	745.3	740.8	734.1	729.2
17.5°	838.5	809.4	782.6	759.4	739.1	727.0	715.9	708.9	701.2	696.8	688.8
20°	809.3	781.5	754.7	730.0	714.5	700.6	691.6	684.9	676.9	674.7	666.6
22.5°	784.5	754.0	728.2	707.6	690.4	674.9	665.1	660.6	655.0	648.2	646.5
25°	744.4	712.6	690.8	670.2	655.0	640.7	634.0	628.2	622.8	617.9	616.0
27.5°	709.7	681.3	655.3	636.7	623.5	610.4	604.5	597.4	593.6	589.6	584.8
30°	685.4	656.3	633.5	615.6	601.3	589.7	583.4	578.5	575.0	571.4	568.7
32.5°	660.3	633.4	611.3	593.8	579.5	570.8	565.2	561.7	557.8	553.5	550.1
35°	627.2	597.7	576.3	561.1	549.9	543.2	536.9	533.8	529.3	529.3	525.7
37.5°	590.0	564.5	545.5	531.7	521.7	515.7	508.9	506.7	503.9	502.0	500.8
40°	567.8	544.1	526.2	512.4	501.6	496.7	491.4	487.8	485.9	483.7	482.8
42.5°	544.9	522.3	505.1	492.3	483.0	478.8	473.8	471.3	467.7	464.8	464.3
45°	510.1	488.2	472.6	462.3	454.3	449.4	446.2	440.8	439.0	435.5	435.0
47.5°	477.1	456.1	440.7	432.3	425.2	421.2	416.3	411.0	408.9	407.1	406.9
50°	452.5	433.3	418.9	410.9	404.2	398.4	393.4	389.9	388.5	388.5	389.4
52.5°	427.4	411.0	398.9	389.1	382.7	376.5	372.0	369.8	367.7	369.9	371.5
55°	390.7	374.2	365.2	355.9	349.7	342.4	340.3	339.3	338.0	341.6	343.4
57.5°	352.0	340.4	329.8	320.6	315.0	310.8	307.8	307.2	309.7	311.4	317.3
60°	327.3	313.8	304.4	297.3	290.6	287.9	287.1	286.1	287.9	292.8	300.4
62.5°	300.1	289.2	279.1	273.7	268.8	264.3	264.2	264.7	268.3	273.9	281.5
65°	260.2	250.8	244.1	237.8	233.8	231.2	232.0	233.8	237.8	245.5	253.9
67.5°	219.7	213.3	207.2	202.2	198.3	198.3	199.2	201.9	206.6	215.4	223.2
70°	193.6	186.4	181.5	179.3	176.2	174.4	177.0	181.5	185.5	193.6	200.3
72.5°	167.5	161.4	157.6	156.0	154.7	153.3	154.1	158.9	164.5	172.5	180.3
75°	128.7	126.5	123.8	122.1	120.7	121.6	122.5	127.0	131.5	139.9	148.9
77.5°	93.9	91.6	90.1	89.6	88.9	89.3	91.9	95.1	99.5	105.7	112.4
80°	71.1	70.2	69.3	68.9	68.9	69.3	72.8	75.1	79.1	85.0	90.3
82.5°	51.7	51.2	51.1	51.0	51.3	51.4	53.6	56.5	59.8	64.2	68.9
85°	27.3	26.3	27.7	28.2	27.3	28.6	29.5	31.3	32.6	34.9	37.1
87.5°	10.6	11.6	11.5	12.2	12.6	13.6	13.4	15.1	16.0	17.0	16.8
90°	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3	19.4	20.5	21.4
92.5°	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3	19.4	20.5	21.2
95°	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3	19.4	20.5	21.0
97.5°	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7	30.4	24.1	21.0
100°	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9	74.7	41.6	24.5
102.5°	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6	203.4	197.1	186.4
105°	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.1
107.5°	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5	377.5	377.6	377.3
110°	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0	428.3	427.6	427.4



TEST NUMBER: P333241-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8	479.0	478.1	477.5
115°	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6	555.7	554.8	553.7
117.5°	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7	629.6	628.4	627.5
120°	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6	678.1	677.7	676.9
122.5°	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2	723.8	723.3	722.4
125°	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7	789.8	788.9	788.2
127.5°	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5	851.1	850.6	849.5
130°	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2	890.5	889.9	889.0
132.5°	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3	928.2	928.1	927.5
135°	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7	982.3	981.9	980.9
137.5°	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5	1033.5	1033.6	1033.1
140°	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5	1065.0	1065.5	1065.0
142.5°	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1	1095.2	1095.3	1094.7
145°	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2	1138.4	1138.6	1138.1
147.5°	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1	1175.4	1175.6	1174.9
150°	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7	1199.1	1199.5	1198.9
152.5°	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4	1220.0	1220.4	1219.8
155°	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1	1248.8	1249.5	1248.9
157.5°	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9	1272.6	1273.2	1272.7
160°	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6	1287.5	1288.4	1288.0
162.5°	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1	1301.4	1302.6	1302.3
165°	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5	1318.9	1320.2	1319.9
167.5°	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7	1332.2	1333.9	1333.7
170°	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4	1339.2	1341.0	1340.8
172.5°	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6	1344.3	1345.8	1345.7
175°	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4	1350.2	1351.9	1351.9
177.5°	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7	1352.0	1353.2	1353.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333241-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1003.6	1006.1	1003.9	1006.9	1003.9	1006.1	1003.6	1005.7	1009.0	1006.9	1011.8
5°	925.0	921.0	923.7	921.9	923.7	921.0	925.0	927.2	932.6	934.4	938.0
7.5°	852.4	848.5	844.2	842.1	844.2	848.5	852.4	853.8	858.3	865.0	870.1
10°	807.0	802.0	801.6	798.5	801.6	802.0	807.0	811.9	815.0	823.5	829.3
12.5°	773.7	769.1	764.1	762.8	764.1	769.1	773.7	777.9	778.9	788.5	792.5
15°	726.5	722.9	719.8	722.5	719.8	722.9	726.5	729.2	734.1	740.8	745.3
17.5°	687.3	684.3	683.7	680.4	683.7	684.3	687.3	688.8	696.8	701.2	708.9
20°	662.5	660.3	661.2	655.4	661.2	660.3	662.5	666.6	674.7	676.9	684.9
22.5°	642.9	638.5	638.0	636.8	638.0	638.5	642.9	646.5	648.2	655.0	660.6
25°	612.1	609.8	607.6	609.8	607.6	609.8	612.1	616.0	617.9	622.8	628.2
27.5°	585.1	582.5	581.9	582.1	581.9	582.5	585.1	584.8	589.6	593.6	597.4
30°	568.7	564.2	564.6	564.2	564.6	564.2	568.7	568.7	571.4	575.0	578.5
32.5°	550.8	547.8	547.2	546.3	547.2	547.8	550.8	550.1	553.5	557.8	561.7
35°	524.4	524.4	522.2	522.2	522.2	524.4	524.4	525.7	529.3	529.3	533.8
37.5°	499.6	499.2	497.8	498.1	497.8	499.2	499.6	500.8	502.0	503.9	506.7
40°	481.0	480.6	479.2	476.6	479.2	480.6	481.0	482.8	483.7	485.9	487.8
42.5°	463.1	461.7	461.1	460.1	461.1	461.7	463.1	464.3	464.8	467.7	471.3
45°	435.0	435.0	434.1	433.7	434.1	435.0	435.0	435.0	435.5	439.0	440.8
47.5°	407.7	408.5	410.2	409.9	410.2	408.5	407.7	406.9	407.1	408.9	411.0
50°	391.2	391.7	393.0	393.4	393.0	391.7	391.2	389.4	388.5	388.5	389.9
52.5°	373.0	375.6	377.2	376.9	377.2	375.6	373.0	371.5	369.9	367.7	369.8
55°	347.4	350.5	353.6	354.1	353.6	350.5	347.4	343.4	341.6	338.0	339.3
57.5°	322.1	326.5	329.8	330.8	329.8	326.5	322.1	317.3	311.4	309.7	307.2
60°	304.9	310.7	314.8	316.5	314.8	310.7	304.9	300.4	292.8	287.9	286.1
62.5°	288.4	295.0	299.0	299.4	299.0	295.0	288.4	281.5	273.9	268.3	264.7
65°	261.6	268.3	271.8	274.5	271.8	268.3	261.6	253.9	245.5	237.8	233.8
67.5°	232.6	239.3	243.2	245.4	243.2	239.3	232.6	223.2	215.4	206.6	201.9
70°	211.5	218.2	223.5	225.3	223.5	218.2	211.5	200.3	193.6	185.5	181.5
72.5°	190.7	196.7	201.0	203.1	201.0	196.7	190.7	180.3	172.5	164.5	158.9
75°	154.7	162.7	166.8	169.0	166.8	162.7	154.7	148.9	139.9	131.5	127.0
77.5°	119.2	126.7	129.1	130.2	129.1	126.7	119.2	112.4	105.7	99.5	95.1
80°	95.7	100.1	103.2	103.8	103.2	100.1	95.7	90.3	85.0	79.1	75.1
82.5°	73.5	77.2	78.3	79.4	78.3	77.2	73.5	68.9	64.2	59.8	56.5
85°	40.2	42.0	42.4	42.0	42.4	42.0	40.2	37.1	34.9	32.6	31.3
87.5°	17.7	17.4	17.6	18.4	17.6	17.4	17.7	16.8	17.0	16.0	15.1
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3
92.5°	21.4	21.8	22.1	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3
95°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3
97.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7
100°	23.7	22.8	21.9	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9
102.5°	171.3	156.1	141.0	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6
105°	297.8	297.6	297.4	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2
107.5°	376.6	376.0	375.3	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5
110°	427.6	427.8	428.1	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0



TEST NUMBER: P333241-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	477.3	476.9	476.6	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8
115°	552.3	551.0	549.7	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6
117.5°	626.9	626.4	625.8	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7
120°	675.8	674.7	673.6	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6
122.5°	721.1	719.8	718.6	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2
125°	787.5	786.9	786.2	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7
127.5°	847.9	846.2	844.6	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5
130°	887.9	886.8	885.7	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2
132.5°	926.3	925.2	924.1	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3
135°	979.6	978.3	977.0	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7
137.5°	1031.9	1030.8	1029.6	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5
140°	1063.7	1062.4	1061.0	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5
142.5°	1093.3	1092.0	1090.6	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1
145°	1136.7	1135.4	1134.0	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2
147.5°	1173.4	1171.7	1170.2	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1
150°	1197.1	1195.3	1193.5	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7
152.5°	1218.1	1216.6	1215.0	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4
155°	1247.2	1245.4	1243.5	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1
157.5°	1270.9	1269.2	1267.4	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9
160°	1286.2	1284.4	1282.6	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6
162.5°	1300.3	1298.3	1296.4	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1
165°	1318.2	1316.4	1314.6	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5
167.5°	1331.6	1329.6	1327.7	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7
170°	1338.9	1336.9	1334.9	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4
172.5°	1343.7	1341.7	1339.6	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6
175°	1349.9	1347.9	1345.8	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4
177.5°	1351.8	1350.3	1348.8	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333241-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1007.2	1011.5	1016.8	1020.8	1027.9	1031.1	1035.1	1038.3	1044.0	1049.4	1055.8
5°	939.4	946.9	957.2	968.4	981.4	990.3	1002.8	1010.4	1025.6	1039.5	1052.8
7.5°	877.8	887.1	901.6	916.0	933.0	948.3	964.0	981.4	1000.7	1023.6	1042.6
10°	835.6	848.1	863.8	881.7	902.2	920.1	941.1	959.8	983.6	1010.4	1035.4
12.5°	801.9	812.7	830.2	847.3	869.3	891.1	912.8	937.7	965.4	995.1	1026.5
15°	755.5	764.5	778.8	802.5	824.8	846.4	879.0	902.2	937.1	970.2	1008.1
17.5°	715.9	727.0	739.1	759.4	782.6	809.4	838.5	867.7	901.3	943.2	986.1
20°	691.6	700.6	714.5	730.0	754.7	781.5	809.3	838.7	879.9	923.3	969.2
22.5°	665.1	674.9	690.4	707.6	728.2	754.0	784.5	816.9	859.8	902.5	952.4
25°	634.0	640.7	655.0	670.2	690.8	712.6	744.4	780.2	822.6	871.3	922.3
27.5°	604.5	610.4	623.5	636.7	655.3	681.3	709.7	745.8	785.8	835.3	891.7
30°	583.4	589.7	601.3	615.6	633.5	656.3	685.4	719.4	762.2	810.5	869.6
32.5°	565.2	570.8	579.5	593.8	611.3	633.4	660.3	695.0	738.0	787.0	844.9
35°	536.9	543.2	549.9	561.1	576.3	597.7	627.2	659.9	701.0	748.4	801.6
37.5°	508.9	515.7	521.7	531.7	545.5	564.5	590.0	624.0	661.2	706.8	757.9
40°	491.4	496.7	501.6	512.4	526.2	544.1	567.8	598.2	637.6	680.0	722.5
42.5°	473.8	478.8	483.0	492.3	505.1	522.3	544.9	574.5	611.1	650.7	688.1
45°	446.2	449.4	454.3	462.3	472.6	488.2	510.1	536.5	567.3	604.9	633.1
47.5°	416.3	421.2	425.2	432.3	440.7	456.1	477.1	499.6	527.5	555.4	575.3
50°	393.4	398.4	404.2	410.9	418.9	433.3	452.5	475.3	498.9	520.4	537.4
52.5°	372.0	376.5	382.7	389.1	398.9	411.0	427.4	447.7	471.1	486.5	500.6
55°	340.3	342.4	349.7	355.9	365.2	374.2	390.7	408.6	422.9	434.5	446.2
57.5°	307.8	310.8	315.0	320.6	329.8	340.4	352.0	367.7	376.2	382.2	391.2
60°	287.1	287.9	290.6	297.3	304.4	313.8	327.3	338.5	344.7	349.7	357.2
62.5°	264.2	264.3	268.8	273.7	279.1	289.2	300.1	309.1	314.3	316.7	324.0
65°	232.0	231.2	233.8	237.8	244.1	250.8	260.2	268.3	267.8	270.4	274.9
67.5°	199.2	198.3	198.3	202.2	207.2	213.3	219.7	224.4	224.5	228.0	230.2
70°	177.0	174.4	176.2	179.3	181.5	186.4	193.6	195.4	195.8	197.6	199.8
72.5°	154.1	153.3	154.7	156.0	157.6	161.4	167.5	168.6	168.7	169.7	173.4
75°	122.5	121.6	120.7	122.1	123.8	126.5	128.7	130.5	130.1	130.5	133.2
77.5°	91.9	89.3	88.9	89.6	90.1	91.6	93.9	93.8	94.3	94.2	97.2
80°	72.8	69.3	68.9	68.9	69.3	70.2	71.1	72.0	70.6	72.0	72.8
82.5°	53.6	51.4	51.3	51.0	51.1	51.2	51.7	52.3	52.0	52.7	53.2
85°	29.5	28.6	27.3	28.2	27.7	26.3	27.3	25.9	25.5	25.9	26.3
87.5°	13.4	13.6	12.6	12.2	11.5	11.6	10.6	9.8	9.1	9.1	9.8
90°	17.1	16.0	14.5	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0
92.5°	17.1	16.0	14.6	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4
95°	17.1	16.0	24.5	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0
97.5°	43.0	49.2	66.0	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1
100°	140.9	174.1	173.2	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1
102.5°	215.9	222.1	221.6	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9
105°	298.2	298.2	298.2	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2
107.5°	377.5	377.5	377.0	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5
110°	429.6	430.2	429.8	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3



TEST NUMBER: P333241-935

CATALOG NUMBER: S125DIP-S850D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	480.7	481.5	481.2	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9
115°	557.5	558.4	558.1	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3
117.5°	631.9	633.0	632.1	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4
120°	679.0	679.4	678.7	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4
122.5°	724.6	725.0	724.8	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9
125°	791.6	792.5	792.5	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5
127.5°	852.0	852.6	852.6	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2
130°	891.9	892.6	892.3	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6
132.5°	928.5	928.6	929.1	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0
135°	983.2	983.6	984.0	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6
137.5°	1033.4	1033.3	1033.6	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8
140°	1064.1	1063.7	1063.9	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6
142.5°	1095.0	1094.9	1094.6	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3
145°	1138.0	1137.7	1137.7	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7
147.5°	1174.8	1174.6	1174.3	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7
150°	1198.2	1197.7	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7
152.5°	1219.0	1218.6	1218.1	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0
155°	1247.5	1246.8	1246.4	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8
157.5°	1271.1	1270.4	1270.4	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8
160°	1285.7	1284.8	1284.6	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9
162.5°	1298.9	1297.6	1297.4	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6
165°	1316.2	1314.8	1314.6	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8
167.5°	1329.0	1327.5	1327.2	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7
170°	1335.7	1333.9	1333.6	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9
172.5°	1341.1	1339.5	1339.0	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6
175°	1346.6	1344.9	1344.6	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9
177.5°	1349.5	1348.2	1348.1	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333241-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1059.0	1064.0	1067.3	1073.3	1078.3	1081.2	1083.7	1085.9	1088.4	1090.5	1096.6
5°	1065.8	1077.5	1087.3	1102.5	1116.4	1127.0	1138.7	1149.0	1157.5	1169.6	1179.0
7.5°	1062.9	1083.6	1105.2	1128.7	1152.7	1175.1	1195.7	1214.9	1232.3	1253.4	1272.0
10°	1060.1	1088.2	1115.9	1147.6	1180.3	1208.0	1233.9	1260.3	1279.5	1306.4	1329.1
12.5°	1057.9	1091.1	1124.5	1162.7	1198.5	1237.7	1272.2	1291.4	1320.7	1342.1	1369.2
15°	1048.9	1092.7	1138.7	1181.6	1232.6	1268.8	1299.2	1336.8	1364.0	1391.3	1420.8
17.5°	1032.7	1082.3	1133.8	1190.1	1239.0	1277.8	1317.0	1353.2	1385.8	1422.4	1459.1
20°	1025.2	1074.8	1133.8	1191.5	1239.3	1280.0	1320.3	1360.0	1395.8	1442.7	1485.2
22.5°	1009.4	1069.4	1123.8	1180.0	1229.2	1273.6	1319.1	1364.3	1411.9	1464.9	1518.1
25°	981.4	1042.2	1099.8	1155.3	1204.9	1260.3	1309.1	1369.4	1430.2	1500.4	1566.6
27.5°	952.2	1010.4	1063.2	1116.8	1174.7	1237.4	1300.6	1369.2	1448.7	1537.3	1630.6
30°	928.6	983.6	1035.0	1089.9	1150.3	1221.0	1290.3	1371.7	1463.7	1563.4	1674.3
32.5°	901.0	951.7	1001.7	1060.0	1125.7	1200.2	1281.0	1370.2	1480.9	1594.2	1708.3
35°	853.9	896.4	947.8	1010.0	1084.2	1169.6	1263.0	1368.5	1495.5	1625.6	1721.7
37.5°	798.1	837.6	891.7	959.8	1037.7	1129.3	1240.2	1365.4	1500.2	1604.0	1635.0
40°	760.5	797.1	853.5	924.1	1003.7	1100.7	1222.3	1354.6	1485.2	1551.3	1525.9
42.5°	720.4	758.9	813.7	883.7	969.4	1075.0	1199.8	1332.1	1441.6	1466.6	1378.5
45°	657.2	697.0	751.1	821.7	913.9	1028.3	1158.4	1278.7	1341.7	1296.5	1160.2
47.5°	598.5	635.8	685.9	758.8	853.9	972.2	1097.5	1193.4	1198.4	1090.7	945.0
50°	558.4	592.8	643.3	716.2	810.5	930.4	1043.4	1119.0	1085.0	963.0	823.0
52.5°	519.1	552.8	602.6	674.8	768.0	877.8	983.0	1036.0	972.1	846.8	727.2
55°	462.3	491.8	540.5	607.1	695.7	797.6	887.0	905.3	822.2	698.8	601.8
57.5°	406.8	434.4	478.7	540.1	621.0	711.3	781.2	777.3	689.4	583.5	506.5
60°	369.3	396.1	435.5	495.3	569.1	647.0	706.8	692.5	605.4	514.1	449.4
62.5°	335.7	359.6	396.8	449.2	516.5	588.7	637.8	616.7	531.3	451.5	400.3
65°	286.1	306.3	338.0	382.7	438.6	498.1	536.1	508.8	435.9	373.8	332.6
67.5°	238.8	254.9	281.5	317.3	364.9	412.7	435.8	408.4	350.1	304.7	274.2
70°	208.8	223.1	243.7	275.4	317.0	357.2	374.6	350.1	300.0	261.1	239.2
72.5°	178.7	190.5	208.6	237.1	270.4	305.4	320.6	297.1	256.0	223.2	202.7
75°	138.2	146.2	158.7	178.4	204.7	232.5	241.0	220.4	194.1	169.4	156.0
77.5°	98.9	105.7	115.2	127.6	146.3	163.9	171.3	159.5	139.1	123.5	112.4
80°	76.0	79.6	87.6	97.9	112.7	123.8	128.7	121.1	106.9	95.2	86.7
82.5°	54.2	57.8	62.6	71.1	80.5	88.1	93.3	88.3	77.9	68.8	63.8
85°	26.3	28.6	31.3	34.9	42.0	46.5	46.1	42.9	38.9	35.3	32.6
87.5°	9.8	10.6	12.0	14.1	15.6	17.3	18.3	17.9	16.8	15.9	15.1
90°	2.8	4.6	6.4	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3
92.5°	14.2	12.9	11.7	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3
95°	56.4	55.7	55.0	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3
97.5°	120.3	121.5	122.7	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7
100°	167.8	168.4	169.1	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9
102.5°	216.8	217.7	218.4	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6
105°	295.1	295.9	296.9	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	375.5	375.5	375.5	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5
110°	428.3	428.3	428.3	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	478.5	479.0	479.5	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8
115°	553.5	554.6	555.7	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6
117.5°	629.4	629.3	629.3	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7
120°	677.2	677.0	676.7	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6
122.5°	720.7	721.5	722.4	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2
125°	787.0	788.6	790.1	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7
127.5°	849.3	850.3	851.4	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5
130°	887.7	888.8	889.9	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2
132.5°	926.3	927.6	928.8	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3
135°	980.9	982.3	983.6	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7
137.5°	1031.0	1032.2	1033.3	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5
140°	1063.2	1063.6	1064.0	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5
142.5°	1092.5	1092.9	1093.1	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1
145°	1136.2	1136.6	1137.0	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2
147.5°	1173.6	1173.5	1173.5	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1
150°	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7
152.5°	1220.0	1219.0	1218.1	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4
155°	1249.5	1248.1	1246.8	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1
157.5°	1273.0	1272.2	1271.4	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9
160°	1288.5	1287.2	1285.8	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6
162.5°	1301.3	1299.9	1298.6	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1
165°	1318.5	1317.2	1315.9	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5
167.5°	1331.3	1329.9	1328.5	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7
170°	1338.3	1336.7	1335.2	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4
172.5°	1343.1	1341.5	1340.0	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6
175°	1348.5	1347.2	1345.8	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4
177.5°	1351.2	1350.1	1349.1	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1101.6	1104.5	1110.5	1108.4	1111.3	1112.7	1114.1
5°	1190.6	1204.9	1211.2	1210.2	1219.6	1217.4	1215.1
7.5°	1291.1	1306.1	1314.5	1325.0	1331.0	1331.5	1336.8
10°	1348.0	1367.6	1375.7	1386.8	1394.0	1398.0	1397.6
12.5°	1391.5	1407.0	1425.0	1430.5	1440.1	1445.2	1443.4
15°	1444.1	1468.7	1487.5	1496.8	1508.9	1512.4	1517.4
17.5°	1490.9	1523.9	1545.8	1574.9	1586.0	1592.7	1588.7
20°	1526.3	1569.7	1591.6	1626.5	1645.7	1656.0	1652.4
22.5°	1568.1	1615.1	1655.6	1685.8	1715.1	1729.0	1731.8
25°	1639.9	1704.3	1763.8	1803.5	1839.7	1848.2	1867.0
27.5°	1720.0	1796.0	1859.5	1901.3	1926.6	1936.0	1941.9
30°	1770.5	1846.0	1893.9	1920.6	1928.7	1927.8	1926.9
32.5°	1795.1	1842.5	1851.6	1844.1	1825.7	1810.2	1793.9
35°	1760.1	1724.8	1672.1	1604.1	1554.0	1503.6	1498.6
37.5°	1583.0	1470.1	1382.2	1284.2	1227.6	1192.7	1168.5
40°	1416.3	1288.1	1181.6	1098.9	1041.2	1018.5	996.1
42.5°	1235.4	1112.8	1018.6	949.4	906.0	880.7	863.1
45°	1003.7	895.5	821.7	771.6	737.3	717.6	706.4
47.5°	822.4	742.4	679.8	643.6	619.8	604.5	604.6
50°	725.1	648.7	607.1	578.5	557.9	545.9	548.1
52.5°	638.9	581.9	546.3	522.4	507.1	499.7	499.5
55°	534.3	493.1	469.8	452.5	442.1	433.7	435.5
57.5°	457.0	422.3	406.7	392.3	385.1	381.7	376.8
60°	409.1	382.3	368.9	357.2	350.1	347.4	342.4
62.5°	366.5	345.4	332.3	322.9	316.4	315.6	311.7
65°	308.1	292.0	280.3	275.9	269.1	267.3	267.3
67.5°	253.9	242.4	233.4	229.3	226.3	226.8	224.6
70°	220.0	210.6	204.7	200.3	198.0	198.5	196.7
72.5°	192.4	181.9	176.8	174.2	171.3	172.4	171.7
75°	145.8	140.3	137.7	135.0	133.2	132.3	131.5
77.5°	107.0	102.3	100.2	98.8	99.0	96.9	98.5
80°	82.7	78.7	77.3	75.1	74.6	74.6	74.2
82.5°	60.5	58.3	57.3	55.4	54.7	55.4	54.2
85°	31.3	29.5	29.1	29.1	28.2	27.3	29.5
87.5°	15.3	14.1	14.3	14.0	14.2	13.9	13.3
90°	19.4	20.5	21.4	22.0	22.6	23.3	24.0
92.5°	19.4	20.5	21.2	21.4	21.8	22.1	22.4
95°	19.4	20.5	21.0	21.0	21.0	21.0	21.0
97.5°	30.4	24.1	21.0	21.0	21.0	21.0	21.0
100°	74.7	41.6	24.5	23.7	22.8	21.9	21.0
102.5°	203.4	197.1	186.4	171.3	156.1	141.0	125.9
105°	298.2	298.2	298.1	297.8	297.6	297.4	297.2
107.5°	377.5	377.6	377.3	376.6	376.0	375.3	374.6
110°	428.3	427.6	427.4	427.6	427.8	428.1	428.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	479.0	478.1	477.5	477.3	476.9	476.6	476.3
115°	555.7	554.8	553.7	552.3	551.0	549.7	548.4
117.5°	629.6	628.4	627.5	626.9	626.4	625.8	625.2
120°	678.1	677.7	676.9	675.8	674.7	673.6	672.4
122.5°	723.8	723.3	722.4	721.1	719.8	718.6	717.3
125°	789.8	788.9	788.2	787.5	786.9	786.2	785.5
127.5°	851.1	850.6	849.5	847.9	846.2	844.6	842.9
130°	890.5	889.9	889.0	887.9	886.8	885.7	884.6
132.5°	928.2	928.1	927.5	926.3	925.2	924.1	923.0
135°	982.3	981.9	980.9	979.6	978.3	977.0	975.6
137.5°	1033.5	1033.6	1033.1	1031.9	1030.8	1029.6	1028.5
140°	1065.0	1065.5	1065.0	1063.7	1062.4	1061.0	1059.7
142.5°	1095.2	1095.3	1094.7	1093.3	1092.0	1090.6	1089.3
145°	1138.4	1138.6	1138.1	1136.7	1135.4	1134.0	1132.7
147.5°	1175.4	1175.6	1174.9	1173.4	1171.7	1170.2	1168.5
150°	1199.1	1199.5	1198.9	1197.1	1195.3	1193.5	1191.8
152.5°	1220.0	1220.4	1219.8	1218.1	1216.6	1215.0	1213.4
155°	1248.8	1249.5	1248.9	1247.2	1245.4	1243.5	1241.8
157.5°	1272.6	1273.2	1272.7	1270.9	1269.2	1267.4	1265.6
160°	1287.5	1288.4	1288.0	1286.2	1284.4	1282.6	1280.8
162.5°	1301.4	1302.6	1302.3	1300.3	1298.3	1296.4	1294.4
165°	1318.9	1320.2	1319.9	1318.2	1316.4	1314.6	1312.9
167.5°	1332.2	1333.9	1333.7	1331.6	1329.6	1327.7	1325.7
170°	1339.2	1341.0	1340.8	1338.9	1336.9	1334.9	1332.8
172.5°	1344.3	1345.8	1345.7	1343.7	1341.7	1339.6	1337.6
175°	1350.2	1351.9	1351.9	1349.9	1347.9	1345.8	1343.8
177.5°	1352.0	1353.2	1353.1	1351.8	1350.3	1348.8	1347.5
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9

(END OF REPORT)