

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: P333286-930

Luminaire Tested: **S125DIP-S1090D1205U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333286-930
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-S1090D1205U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

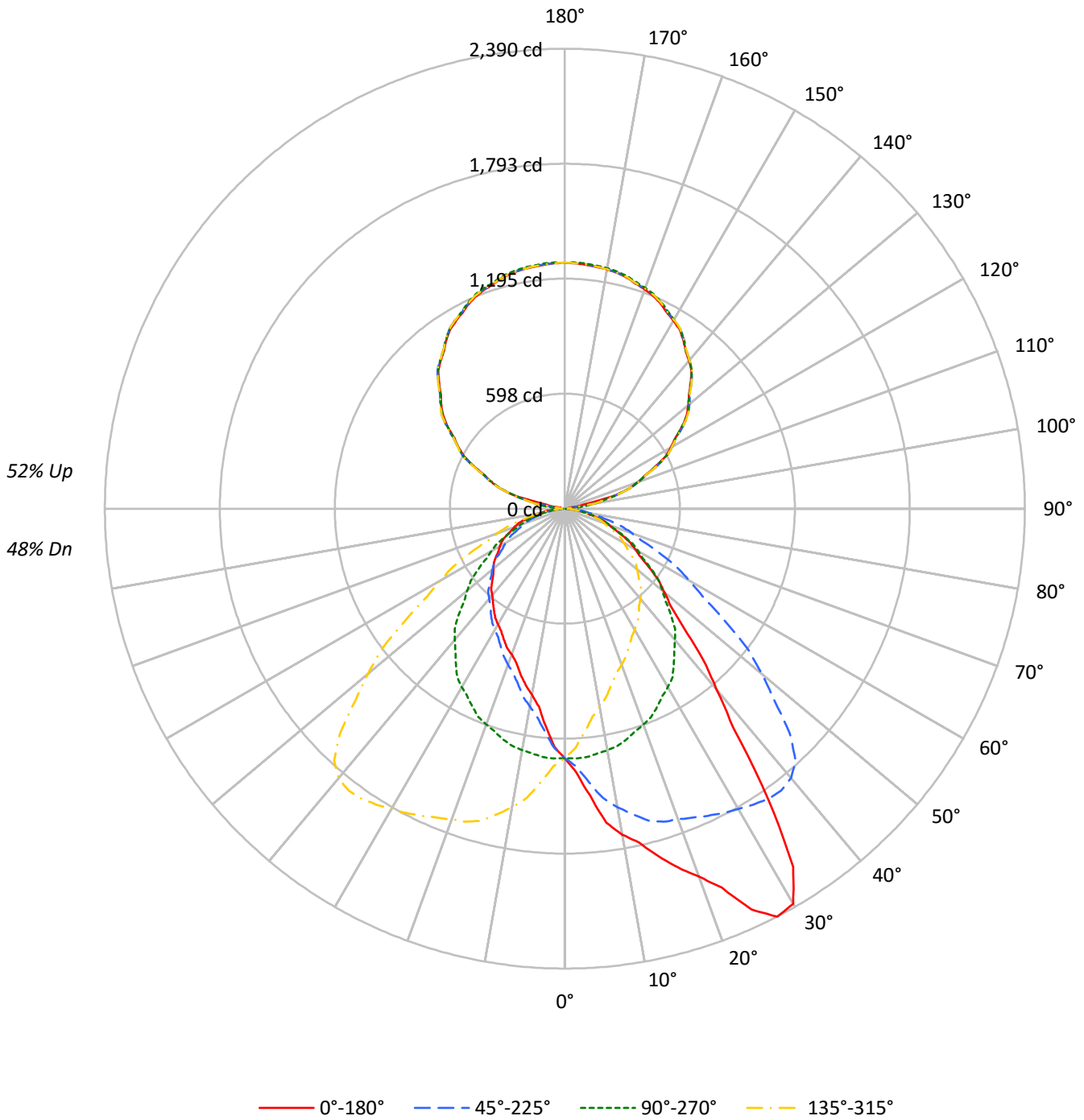
Lumens per Lamp: N/A
Luminaire Lumens: 7586.3 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 65.4
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48		
1	98	93	90	86	90	86	83	80	73	70	68	60	58	57	49	47	46	41		
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35		
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30		
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	26		
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	26	22		
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20		
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17		
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16		
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16	14		
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.6
10°-20°	371.6	4.9
20°-30°	603.4	8.0
30°-40°	736.0	9.7
40°-50°	669.6	8.8
50°-60°	533.4	7.0
60°-70°	371.5	4.9
70°-80°	198.1	2.6
80°-90°	52.7	0.7
90°-100°	46.5	0.6
100°-110°	286.3	3.8
110°-120°	519.2	6.8
120°-130°	666.3	8.8
130°-140°	716.7	9.4
140°-150°	672.7	8.9
150°-160°	544.2	7.2
160°-170°	351.9	4.6
170°-180°	121.4	1.6
0°-30°	1099.8	14.5
0°-40°	1835.9	24.2
0°-60°	3038.8	40.1
0°-90°	3661.1	48.3
90°-120°	851.9	11.2
90°-150°	2907.7	38.3
90°-180°	3925.0	51.7
0°-180°	7586.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	42
90°	23	1	23	1	23	11
95°	20	54	20	54	20	16
105°	281	279	281	279	281	254
115°	519	523	519	523	519	515
125°	744	744	744	744	744	662
135°	924	928	924	928	924	713
145°	1073	1076	1073	1076	1073	670
155°	1176	1184	1176	1184	1176	542
165°	1243	1250	1243	1250	1243	351
175°	1272	1278	1272	1278	1272	121
180°	1278	1278	1278	1278	1278	



TEST NUMBER: P333286-930

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	15.1	15.9	16.1	16.1	16.4	16.2	17.8	17.5	18.7	19.7	21.2
90°	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3	16.2	15.2	13.7
92.5°	21.2	21.0	20.6	20.3	20.1	19.4	18.3	17.3	16.2	15.2	13.9
95°	19.9	19.9	19.9	19.9	19.9	19.4	18.3	17.3	16.2	15.2	23.2
97.5°	19.9	19.9	19.9	19.9	19.9	22.8	28.8	34.7	40.7	46.6	62.5
100°	19.9	20.7	21.6	22.4	23.2	39.4	70.8	102.2	133.5	164.9	164.0
102.5°	119.2	133.5	147.8	162.2	176.5	186.6	192.6	198.4	204.4	210.3	209.9
105°	281.4	281.6	281.8	282.0	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	354.7	355.4	356.0	356.6	357.3	357.6	357.5	357.5	357.4	357.4	357.0
110°	405.5	405.4	405.1	404.9	404.7	404.9	405.5	406.2	406.8	407.4	407.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	451.0	451.3	451.6	451.9	452.2	452.7	453.6	454.4	455.2	455.9	455.7
115°	519.3	520.5	521.8	523.0	524.3	525.4	526.2	527.0	527.9	528.7	528.5
117.5°	592.0	592.6	593.1	593.6	594.2	595.0	596.1	597.2	598.3	599.4	598.6
120°	636.7	637.8	638.9	639.9	641.0	641.7	642.1	642.5	642.9	643.4	642.7
122.5°	679.2	680.4	681.6	682.8	684.0	684.9	685.3	685.7	686.2	686.6	686.3
125°	743.8	744.4	745.1	745.7	746.3	747.1	747.9	748.8	749.6	750.4	750.4
127.5°	798.2	799.7	801.3	802.9	804.5	805.4	805.9	806.3	806.8	807.3	807.4
130°	837.6	838.7	839.8	840.7	841.8	842.7	843.3	843.9	844.6	845.2	845.0
132.5°	874.0	875.1	876.1	877.2	878.2	878.8	878.9	879.1	879.2	879.3	879.8
135°	923.8	925.1	926.3	927.6	928.9	929.8	930.2	930.6	931.0	931.4	931.8
137.5°	973.9	974.9	976.1	977.1	978.3	978.8	978.7	978.6	978.5	978.4	978.8
140°	1003.5	1004.7	1006.0	1007.2	1008.4	1008.9	1008.4	1008.0	1007.6	1007.2	1007.5
142.5°	1031.5	1032.7	1034.0	1035.3	1036.6	1037.1	1037.1	1037.0	1036.9	1036.8	1036.5
145°	1072.6	1073.8	1075.1	1076.4	1077.7	1078.2	1078.0	1077.7	1077.6	1077.3	1077.3
147.5°	1106.5	1108.1	1109.5	1111.1	1112.6	1113.2	1113.0	1112.7	1112.5	1112.2	1112.0
150°	1128.5	1130.2	1131.9	1133.6	1135.2	1135.9	1135.5	1135.1	1134.6	1134.2	1133.8
152.5°	1149.0	1150.5	1152.0	1153.5	1155.0	1155.6	1155.2	1154.7	1154.3	1153.9	1153.5
155°	1175.9	1177.5	1179.2	1181.0	1182.6	1183.2	1182.5	1181.9	1181.3	1180.6	1180.2
157.5°	1198.4	1200.1	1201.8	1203.5	1205.2	1205.7	1205.0	1204.4	1203.6	1203.0	1203.0
160°	1212.8	1214.6	1216.2	1217.9	1219.6	1220.0	1219.1	1218.3	1217.5	1216.6	1216.4
162.5°	1225.7	1227.6	1229.4	1231.3	1233.1	1233.5	1232.3	1231.1	1230.0	1228.7	1228.6
165°	1243.2	1244.8	1246.5	1248.2	1249.9	1250.1	1248.9	1247.6	1246.3	1245.0	1244.8
167.5°	1255.3	1257.2	1259.1	1260.9	1262.9	1263.1	1261.5	1260.0	1258.5	1257.0	1256.8
170°	1262.1	1264.0	1265.9	1267.8	1269.7	1269.8	1268.1	1266.4	1264.8	1263.1	1262.8
172.5°	1266.6	1268.5	1270.5	1272.4	1274.2	1274.4	1272.9	1271.4	1269.9	1268.4	1268.0
175°	1272.5	1274.4	1276.4	1278.2	1280.1	1280.2	1278.6	1276.8	1275.1	1273.5	1273.3
177.5°	1275.9	1277.2	1278.6	1280.0	1281.3	1281.4	1280.3	1279.0	1277.9	1276.7	1276.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	21.9	20.6	18.6	17.0	14.4	12.7	12.0	12.1	11.1	11.0	11.7
90°	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0	2.6	4.3	6.0
92.5°	12.6	11.3	9.9	9.9	11.1	12.2	13.5	14.6	13.5	12.2	11.1
95°	31.1	39.1	47.2	51.4	52.1	52.7	53.4	54.0	53.4	52.7	52.1
97.5°	78.3	94.1	110.0	117.3	116.2	115.0	113.9	112.8	113.9	115.0	116.2
100°	163.2	162.3	161.5	160.8	160.1	159.5	158.9	158.2	158.9	159.5	160.1
102.5°	209.4	208.8	208.3	207.7	206.8	206.1	205.3	204.5	205.3	206.1	206.8
105°	282.3	282.3	282.3	281.9	281.1	280.2	279.4	278.6	279.4	280.2	281.1
107.5°	356.5	356.1	355.7	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6
110°	406.6	406.2	405.8	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5



TEST NUMBER: P333286-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	455.4	455.2	454.9	454.5	454.0	453.6	453.1	452.6	453.1	453.6	454.0
115°	528.3	528.1	527.9	527.3	526.2	525.1	524.1	523.0	524.1	525.1	526.2
117.5°	597.8	597.0	596.2	595.8	595.9	595.9	596.0	596.0	596.0	595.9	595.9
120°	642.1	641.5	640.8	640.7	640.8	641.1	641.2	641.5	641.2	641.1	640.8
122.5°	686.0	685.7	685.4	684.9	684.0	683.2	682.5	681.7	682.5	683.2	684.0
125°	750.4	750.4	750.4	749.7	748.2	746.7	745.3	743.8	745.3	746.7	748.2
127.5°	807.6	807.6	807.8	807.3	806.2	805.2	804.2	803.2	804.2	805.2	806.2
130°	844.8	844.6	844.3	843.8	842.7	841.6	840.6	839.5	840.6	841.6	842.7
132.5°	880.2	880.7	881.2	880.8	879.5	878.3	877.1	875.9	877.1	878.3	879.5
135°	932.3	932.7	933.1	932.7	931.4	930.2	928.9	927.6	928.9	930.2	931.4
137.5°	979.2	979.6	979.9	979.6	978.4	977.4	976.3	975.2	976.3	977.4	978.4
140°	1007.6	1007.9	1008.0	1008.0	1007.5	1007.1	1006.7	1006.2	1006.7	1007.1	1007.5
142.5°	1036.2	1035.9	1035.6	1035.3	1035.1	1034.9	1034.5	1034.3	1034.5	1034.9	1035.1
145°	1077.3	1077.3	1077.3	1077.1	1076.7	1076.3	1075.9	1075.5	1075.9	1076.3	1076.7
147.5°	1111.7	1111.4	1111.2	1111.1	1111.2	1111.3	1111.3	1111.4	1111.3	1111.3	1111.2
150°	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1133.8	1133.3	1132.9
152.5°	1153.1	1152.7	1152.2	1152.4	1153.4	1154.3	1155.3	1156.2	1155.3	1154.3	1153.4
155°	1179.7	1179.3	1178.9	1179.3	1180.6	1181.9	1183.2	1184.4	1183.2	1181.9	1180.6
157.5°	1202.9	1202.9	1202.8	1203.1	1204.0	1204.7	1205.4	1206.2	1205.4	1204.7	1204.0
160°	1216.2	1216.0	1215.8	1216.3	1217.6	1218.9	1220.1	1221.4	1220.1	1218.9	1217.6
162.5°	1228.3	1228.1	1227.9	1228.4	1229.7	1230.9	1232.2	1233.5	1232.2	1230.9	1229.7
165°	1244.6	1244.4	1244.2	1244.7	1246.0	1247.2	1248.5	1249.8	1248.5	1247.2	1246.0
167.5°	1256.5	1256.4	1256.1	1256.7	1258.0	1259.3	1260.6	1261.9	1260.6	1259.3	1258.0
170°	1262.7	1262.4	1262.2	1262.8	1264.3	1265.8	1267.3	1268.8	1267.3	1265.8	1264.3
172.5°	1267.6	1267.2	1266.8	1267.4	1268.9	1270.3	1271.8	1273.3	1271.8	1270.3	1268.9
175°	1273.1	1272.8	1272.6	1273.2	1274.4	1275.7	1276.9	1278.2	1276.9	1275.7	1274.4
177.5°	1276.4	1276.2	1276.0	1276.4	1277.5	1278.5	1279.4	1280.5	1279.4	1278.5	1277.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333286-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	12.6	13.8	13.6	14.3	14.6	15.8	15.6	17.5	18.7	19.7	19.5
90°	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3	18.3	19.4	20.2
92.5°	9.9	9.9	11.3	12.6	13.9	15.2	16.2	17.3	18.3	19.4	20.1
95°	51.4	47.2	39.1	31.1	23.2	15.2	16.2	17.3	18.3	19.4	19.9
97.5°	117.3	110.0	94.1	78.3	62.5	46.6	40.7	34.7	28.8	22.8	19.9
100°	160.8	161.5	162.3	163.2	164.0	164.9	133.5	102.2	70.8	39.4	23.2
102.5°	207.7	208.3	208.8	209.4	209.9	210.3	204.4	198.4	192.6	186.6	176.5
105°	281.9	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	355.6	355.7	356.1	356.5	357.0	357.4	357.4	357.5	357.5	357.6	357.3
110°	405.5	405.8	406.2	406.6	407.0	407.4	406.8	406.2	405.5	404.9	404.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	454.5	454.9	455.2	455.4	455.7	455.9	455.2	454.4	453.6	452.7	452.2
115°	527.3	527.9	528.1	528.3	528.5	528.7	527.9	527.0	526.2	525.4	524.3
117.5°	595.8	596.2	597.0	597.8	598.6	599.4	598.3	597.2	596.1	595.0	594.2
120°	640.7	640.8	641.5	642.1	642.7	643.4	642.9	642.5	642.1	641.7	641.0
122.5°	684.9	685.4	685.7	686.0	686.3	686.6	686.2	685.7	685.3	684.9	684.0
125°	749.7	750.4	750.4	750.4	750.4	750.4	749.6	748.8	747.9	747.1	746.3
127.5°	807.3	807.8	807.6	807.6	807.4	807.3	806.8	806.3	805.9	805.4	804.5
130°	843.8	844.3	844.6	844.8	845.0	845.2	844.6	843.9	843.3	842.7	841.8
132.5°	880.8	881.2	880.7	880.2	879.8	879.3	879.2	879.1	878.9	878.8	878.2
135°	932.7	933.1	932.7	932.3	931.8	931.4	931.0	930.6	930.2	929.8	928.9
137.5°	979.6	979.9	979.6	979.2	978.8	978.4	978.5	978.6	978.7	978.8	978.3
140°	1008.0	1008.0	1007.9	1007.6	1007.5	1007.2	1007.6	1008.0	1008.4	1008.9	1008.4
142.5°	1035.3	1035.6	1035.9	1036.2	1036.5	1036.8	1036.9	1037.0	1037.1	1037.1	1036.6
145°	1077.1	1077.3	1077.3	1077.3	1077.3	1077.3	1077.6	1077.7	1078.0	1078.2	1077.7
147.5°	1111.1	1111.2	1111.4	1111.7	1112.0	1112.2	1112.5	1112.7	1113.0	1113.2	1112.6
150°	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1134.6	1135.1	1135.5	1135.9	1135.2
152.5°	1152.4	1152.2	1152.7	1153.1	1153.5	1153.9	1154.3	1154.7	1155.2	1155.6	1155.0
155°	1179.3	1178.9	1179.3	1179.7	1180.2	1180.6	1181.3	1181.9	1182.5	1183.2	1182.6
157.5°	1203.1	1202.8	1202.9	1202.9	1203.0	1203.0	1203.6	1204.4	1205.0	1205.7	1205.2
160°	1216.3	1215.8	1216.0	1216.2	1216.4	1216.6	1217.5	1218.3	1219.1	1220.0	1219.6
162.5°	1228.4	1227.9	1228.1	1228.3	1228.6	1228.7	1230.0	1231.1	1232.3	1233.5	1233.1
165°	1244.7	1244.2	1244.4	1244.6	1244.8	1245.0	1246.3	1247.6	1248.9	1250.1	1249.9
167.5°	1256.7	1256.1	1256.4	1256.5	1256.8	1257.0	1258.5	1260.0	1261.5	1263.1	1262.9
170°	1262.8	1262.2	1262.4	1262.7	1262.8	1263.1	1264.8	1266.4	1268.1	1269.8	1269.7
172.5°	1267.4	1266.8	1267.2	1267.6	1268.0	1268.4	1269.9	1271.4	1272.9	1274.4	1274.2
175°	1273.2	1272.6	1272.8	1273.1	1273.3	1273.5	1275.1	1276.8	1278.6	1280.2	1280.1
177.5°	1276.4	1276.0	1276.2	1276.4	1276.5	1276.7	1277.9	1279.0	1280.3	1281.4	1281.3
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333286-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	20.5	20.1	20.3	21.3	20.3	20.1	20.5	19.5	19.7	18.7	17.5
90°	20.9	21.4	22.1	22.7	22.1	21.4	20.9	20.2	19.4	18.3	17.3
92.5°	20.3	20.6	21.0	21.2	21.0	20.6	20.3	20.1	19.4	18.3	17.3
95°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.4	18.3	17.3
97.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	22.8	28.8	34.7
100°	22.4	21.6	20.7	19.9	20.7	21.6	22.4	23.2	39.4	70.8	102.2
102.5°	162.2	147.8	133.5	119.2	133.5	147.8	162.2	176.5	186.6	192.6	198.4
105°	282.0	281.8	281.6	281.4	281.6	281.8	282.0	282.3	282.3	282.3	282.3
107.5°	356.6	356.0	355.4	354.7	355.4	356.0	356.6	357.3	357.6	357.5	357.5
110°	404.9	405.1	405.4	405.5	405.4	405.1	404.9	404.7	404.9	405.5	406.2



TEST NUMBER: P333286-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.7	453.6	454.4
115°	523.0	521.8	520.5	519.3	520.5	521.8	523.0	524.3	525.4	526.2	527.0
117.5°	593.6	593.1	592.6	592.0	592.6	593.1	593.6	594.2	595.0	596.1	597.2
120°	639.9	638.9	637.8	636.7	637.8	638.9	639.9	641.0	641.7	642.1	642.5
122.5°	682.8	681.6	680.4	679.2	680.4	681.6	682.8	684.0	684.9	685.3	685.7
125°	745.7	745.1	744.4	743.8	744.4	745.1	745.7	746.3	747.1	747.9	748.8
127.5°	802.9	801.3	799.7	798.2	799.7	801.3	802.9	804.5	805.4	805.9	806.3
130°	840.7	839.8	838.7	837.6	838.7	839.8	840.7	841.8	842.7	843.3	843.9
132.5°	877.2	876.1	875.1	874.0	875.1	876.1	877.2	878.2	878.8	878.9	879.1
135°	927.6	926.3	925.1	923.8	925.1	926.3	927.6	928.9	929.8	930.2	930.6
137.5°	977.1	976.1	974.9	973.9	974.9	976.1	977.1	978.3	978.8	978.7	978.6
140°	1007.2	1006.0	1004.7	1003.5	1004.7	1006.0	1007.2	1008.4	1008.9	1008.4	1008.0
142.5°	1035.3	1034.0	1032.7	1031.5	1032.7	1034.0	1035.3	1036.6	1037.1	1037.1	1037.0
145°	1076.4	1075.1	1073.8	1072.6	1073.8	1075.1	1076.4	1077.7	1078.2	1078.0	1077.7
147.5°	1111.1	1109.5	1108.1	1106.5	1108.1	1109.5	1111.1	1112.6	1113.2	1113.0	1112.7
150°	1133.6	1131.9	1130.2	1128.5	1130.2	1131.9	1133.6	1135.2	1135.9	1135.5	1135.1
152.5°	1153.5	1152.0	1150.5	1149.0	1150.5	1152.0	1153.5	1155.0	1155.6	1155.2	1154.7
155°	1181.0	1179.2	1177.5	1175.9	1177.5	1179.2	1181.0	1182.6	1183.2	1182.5	1181.9
157.5°	1203.5	1201.8	1200.1	1198.4	1200.1	1201.8	1203.5	1205.2	1205.7	1205.0	1204.4
160°	1217.9	1216.2	1214.6	1212.8	1214.6	1216.2	1217.9	1219.6	1220.0	1219.1	1218.3
162.5°	1231.3	1229.4	1227.6	1225.7	1227.6	1229.4	1231.3	1233.1	1233.5	1232.3	1231.1
165°	1248.2	1246.5	1244.8	1243.2	1244.8	1246.5	1248.2	1249.9	1250.1	1248.9	1247.6
167.5°	1260.9	1259.1	1257.2	1255.3	1257.2	1259.1	1260.9	1262.9	1263.1	1261.5	1260.0
170°	1267.8	1265.9	1264.0	1262.1	1264.0	1265.9	1267.8	1269.7	1269.8	1268.1	1266.4
172.5°	1272.4	1270.5	1268.5	1266.6	1268.5	1270.5	1272.4	1274.2	1274.4	1272.9	1271.4
175°	1278.2	1276.4	1274.4	1272.5	1274.4	1276.4	1278.2	1280.1	1280.2	1278.6	1276.8
177.5°	1280.0	1278.6	1277.2	1275.9	1277.2	1278.6	1280.0	1281.3	1281.4	1280.3	1279.0
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333286-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	15.6	15.8	14.6	14.3	13.6	13.8	12.6	11.7	11.0	11.1	12.1
90°	16.2	15.2	13.7	12.2	10.8	9.3	7.7	6.0	4.3	2.6	1.0
92.5°	16.2	15.2	13.9	12.6	11.3	9.9	9.9	11.1	12.2	13.5	14.6
95°	16.2	15.2	23.2	31.1	39.1	47.2	51.4	52.1	52.7	53.4	54.0
97.5°	40.7	46.6	62.5	78.3	94.1	110.0	117.3	116.2	115.0	113.9	112.8
100°	133.5	164.9	164.0	163.2	162.3	161.5	160.8	160.1	159.5	158.9	158.2
102.5°	204.4	210.3	209.9	209.4	208.8	208.3	207.7	206.8	206.1	205.3	204.5
105°	282.3	282.3	282.3	282.3	282.3	282.3	281.9	281.1	280.2	279.4	278.6
107.5°	357.4	357.4	357.0	356.5	356.1	355.7	355.6	355.6	355.6	355.6	355.6
110°	406.8	407.4	407.0	406.6	406.2	405.8	405.5	405.5	405.5	405.5	405.5



TEST NUMBER: P333286-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	455.2	455.9	455.7	455.4	455.2	454.9	454.5	454.0	453.6	453.1	452.6
115°	527.9	528.7	528.5	528.3	528.1	527.9	527.3	526.2	525.1	524.1	523.0
117.5°	598.3	599.4	598.6	597.8	597.0	596.2	595.8	595.9	595.9	596.0	596.0
120°	642.9	643.4	642.7	642.1	641.5	640.8	640.7	640.8	641.1	641.2	641.5
122.5°	686.2	686.6	686.3	686.0	685.7	685.4	684.9	684.0	683.2	682.5	681.7
125°	749.6	750.4	750.4	750.4	750.4	750.4	749.7	748.2	746.7	745.3	743.8
127.5°	806.8	807.3	807.4	807.6	807.6	807.8	807.3	806.2	805.2	804.2	803.2
130°	844.6	845.2	845.0	844.8	844.6	844.3	843.8	842.7	841.6	840.6	839.5
132.5°	879.2	879.3	879.8	880.2	880.7	881.2	880.8	879.5	878.3	877.1	875.9
135°	931.0	931.4	931.8	932.3	932.7	933.1	932.7	931.4	930.2	928.9	927.6
137.5°	978.5	978.4	978.8	979.2	979.6	979.9	979.6	978.4	977.4	976.3	975.2
140°	1007.6	1007.2	1007.5	1007.6	1007.9	1008.0	1008.0	1007.5	1007.1	1006.7	1006.2
142.5°	1036.9	1036.8	1036.5	1036.2	1035.9	1035.6	1035.3	1035.1	1034.9	1034.5	1034.3
145°	1077.6	1077.3	1077.3	1077.3	1077.3	1077.3	1077.1	1076.7	1076.3	1075.9	1075.5
147.5°	1112.5	1112.2	1112.0	1111.7	1111.4	1111.2	1111.1	1111.2	1111.3	1111.3	1111.4
150°	1134.6	1134.2	1133.8	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2
152.5°	1154.3	1153.9	1153.5	1153.1	1152.7	1152.2	1152.4	1153.4	1154.3	1155.3	1156.2
155°	1181.3	1180.6	1180.2	1179.7	1179.3	1178.9	1179.3	1180.6	1181.9	1183.2	1184.4
157.5°	1203.6	1203.0	1203.0	1202.9	1202.9	1202.8	1203.1	1204.0	1204.7	1205.4	1206.2
160°	1217.5	1216.6	1216.4	1216.2	1216.0	1215.8	1216.3	1217.6	1218.9	1220.1	1221.4
162.5°	1230.0	1228.7	1228.6	1228.3	1228.1	1227.9	1228.4	1229.7	1230.9	1232.2	1233.5
165°	1246.3	1245.0	1244.8	1244.6	1244.4	1244.2	1244.7	1246.0	1247.2	1248.5	1249.8
167.5°	1258.5	1257.0	1256.8	1256.5	1256.4	1256.1	1256.7	1258.0	1259.3	1260.6	1261.9
170°	1264.8	1263.1	1262.8	1262.7	1262.4	1262.2	1262.8	1264.3	1265.8	1267.3	1268.8
172.5°	1269.9	1268.4	1268.0	1267.6	1267.2	1266.8	1267.4	1268.9	1270.3	1271.8	1273.3
175°	1275.1	1273.5	1273.3	1273.1	1272.8	1272.6	1273.2	1274.4	1275.7	1276.9	1278.2
177.5°	1277.9	1276.7	1276.5	1276.4	1276.2	1276.0	1276.4	1277.5	1278.5	1279.4	1280.5
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



TEST NUMBER: P333286-930

CATALOG NUMBER: S125DIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	12.0	12.7	14.4	17.0	18.6	20.6	21.9	21.2	19.7	18.7	17.5
90°	2.6	4.3	6.0	7.7	9.3	10.8	12.2	13.7	15.2	16.2	17.3
92.5°	13.5	12.2	11.1	9.9	9.9	11.3	12.6	13.9	15.2	16.2	17.3
95°	53.4	52.7	52.1	51.4	47.2	39.1	31.1	23.2	15.2	16.2	17.3
97.5°	113.9	115.0	116.2	117.3	110.0	94.1	78.3	62.5	46.6	40.7	34.7
100°	158.9	159.5	160.1	160.8	161.5	162.3	163.2	164.0	164.9	133.5	102.2
102.5°	205.3	206.1	206.8	207.7	208.3	208.8	209.4	209.9	210.3	204.4	198.4
105°	279.4	280.2	281.1	281.9	282.3	282.3	282.3	282.3	282.3	282.3	282.3
107.5°	355.6	355.6	355.6	355.6	355.7	356.1	356.5	357.0	357.4	357.4	357.5
110°	405.5	405.5	405.5	405.5	405.8	406.2	406.6	407.0	407.4	406.8	406.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	453.1	453.6	454.0	454.5	454.9	455.2	455.4	455.7	455.9	455.2	454.4
115°	524.1	525.1	526.2	527.3	527.9	528.1	528.3	528.5	528.7	527.9	527.0
117.5°	596.0	595.9	595.9	595.8	596.2	597.0	597.8	598.6	599.4	598.3	597.2
120°	641.2	641.1	640.8	640.7	640.8	641.5	642.1	642.7	643.4	642.9	642.5
122.5°	682.5	683.2	684.0	684.9	685.4	685.7	686.0	686.3	686.6	686.2	685.7
125°	745.3	746.7	748.2	749.7	750.4	750.4	750.4	750.4	750.4	749.6	748.8
127.5°	804.2	805.2	806.2	807.3	807.8	807.6	807.6	807.4	807.3	806.8	806.3
130°	840.6	841.6	842.7	843.8	844.3	844.6	844.8	845.0	845.2	844.6	843.9
132.5°	877.1	878.3	879.5	880.8	881.2	880.7	880.2	879.8	879.3	879.2	879.1
135°	928.9	930.2	931.4	932.7	933.1	932.7	932.3	931.8	931.4	931.0	930.6
137.5°	976.3	977.4	978.4	979.6	979.9	979.6	979.2	978.8	978.4	978.5	978.6
140°	1006.7	1007.1	1007.5	1008.0	1008.0	1007.9	1007.6	1007.5	1007.2	1007.6	1008.0
142.5°	1034.5	1034.9	1035.1	1035.3	1035.6	1035.9	1036.2	1036.5	1036.8	1036.9	1037.0
145°	1075.9	1076.3	1076.7	1077.1	1077.3	1077.3	1077.3	1077.3	1077.3	1077.6	1077.7
147.5°	1111.3	1111.3	1111.2	1111.1	1111.2	1111.4	1111.7	1112.0	1112.2	1112.5	1112.7
150°	1133.8	1133.3	1132.9	1132.5	1132.5	1132.9	1133.3	1133.8	1134.2	1134.6	1135.1
152.5°	1155.3	1154.3	1153.4	1152.4	1152.2	1152.7	1153.1	1153.5	1153.9	1154.3	1154.7
155°	1183.2	1181.9	1180.6	1179.3	1178.9	1179.3	1179.7	1180.2	1180.6	1181.3	1181.9
157.5°	1205.4	1204.7	1204.0	1203.1	1202.8	1202.9	1202.9	1203.0	1203.0	1203.6	1204.4
160°	1220.1	1218.9	1217.6	1216.3	1215.8	1216.0	1216.2	1216.4	1216.6	1217.5	1218.3
162.5°	1232.2	1230.9	1229.7	1228.4	1227.9	1228.1	1228.3	1228.6	1228.7	1230.0	1231.1
165°	1248.5	1247.2	1246.0	1244.7	1244.2	1244.4	1244.6	1244.8	1245.0	1246.3	1247.6
167.5°	1260.6	1259.3	1258.0	1256.7	1256.1	1256.4	1256.5	1256.8	1257.0	1258.5	1260.0
170°	1267.3	1265.8	1264.3	1262.8	1262.2	1262.4	1262.7	1262.8	1263.1	1264.8	1266.4
172.5°	1271.8	1270.3	1268.9	1267.4	1266.8	1267.2	1267.6	1268.0	1268.4	1269.9	1271.4
175°	1276.9	1275.7	1274.4	1273.2	1272.6	1272.8	1273.1	1273.3	1273.5	1275.1	1276.8
177.5°	1279.4	1278.5	1277.5	1276.4	1276.0	1276.2	1276.4	1276.5	1276.7	1277.9	1279.0
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	17.8	16.2	16.4	16.1	16.1	15.9	15.1
90°	18.3	19.4	20.2	20.9	21.4	22.1	22.7
92.5°	18.3	19.4	20.1	20.3	20.6	21.0	21.2
95°	18.3	19.4	19.9	19.9	19.9	19.9	19.9
97.5°	28.8	22.8	19.9	19.9	19.9	19.9	19.9
100°	70.8	39.4	23.2	22.4	21.6	20.7	19.9
102.5°	192.6	186.6	176.5	162.2	147.8	133.5	119.2
105°	282.3	282.3	282.3	282.0	281.8	281.6	281.4
107.5°	357.5	357.6	357.3	356.6	356.0	355.4	354.7
110°	405.5	404.9	404.7	404.9	405.1	405.4	405.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	453.6	452.7	452.2	451.9	451.6	451.3	451.0
115°	526.2	525.4	524.3	523.0	521.8	520.5	519.3
117.5°	596.1	595.0	594.2	593.6	593.1	592.6	592.0
120°	642.1	641.7	641.0	639.9	638.9	637.8	636.7
122.5°	685.3	684.9	684.0	682.8	681.6	680.4	679.2
125°	747.9	747.1	746.3	745.7	745.1	744.4	743.8
127.5°	805.9	805.4	804.5	802.9	801.3	799.7	798.2
130°	843.3	842.7	841.8	840.7	839.8	838.7	837.6
132.5°	878.9	878.8	878.2	877.2	876.1	875.1	874.0
135°	930.2	929.8	928.9	927.6	926.3	925.1	923.8
137.5°	978.7	978.8	978.3	977.1	976.1	974.9	973.9
140°	1008.4	1008.9	1008.4	1007.2	1006.0	1004.7	1003.5
142.5°	1037.1	1037.1	1036.6	1035.3	1034.0	1032.7	1031.5
145°	1078.0	1078.2	1077.7	1076.4	1075.1	1073.8	1072.6
147.5°	1113.0	1113.2	1112.6	1111.1	1109.5	1108.1	1106.5
150°	1135.5	1135.9	1135.2	1133.6	1131.9	1130.2	1128.5
152.5°	1155.2	1155.6	1155.0	1153.5	1152.0	1150.5	1149.0
155°	1182.5	1183.2	1182.6	1181.0	1179.2	1177.5	1175.9
157.5°	1205.0	1205.7	1205.2	1203.5	1201.8	1200.1	1198.4
160°	1219.1	1220.0	1219.6	1217.9	1216.2	1214.6	1212.8
162.5°	1232.3	1233.5	1233.1	1231.3	1229.4	1227.6	1225.7
165°	1248.9	1250.1	1249.9	1248.2	1246.5	1244.8	1243.2
167.5°	1261.5	1263.1	1262.9	1260.9	1259.1	1257.2	1255.3
170°	1268.1	1269.8	1269.7	1267.8	1265.9	1264.0	1262.1
172.5°	1272.9	1274.4	1274.2	1272.4	1270.5	1268.5	1266.6
175°	1278.6	1280.2	1280.1	1278.2	1276.4	1274.4	1272.5
177.5°	1280.3	1281.4	1281.3	1280.0	1278.6	1277.2	1275.9
180°	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2	1278.2

(END OF REPORT)