

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: P333604-930

Luminaire Tested: **S125RDIP-S1090D1205U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333604-930
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: S125RDIP-S1090D1205U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7400.8 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

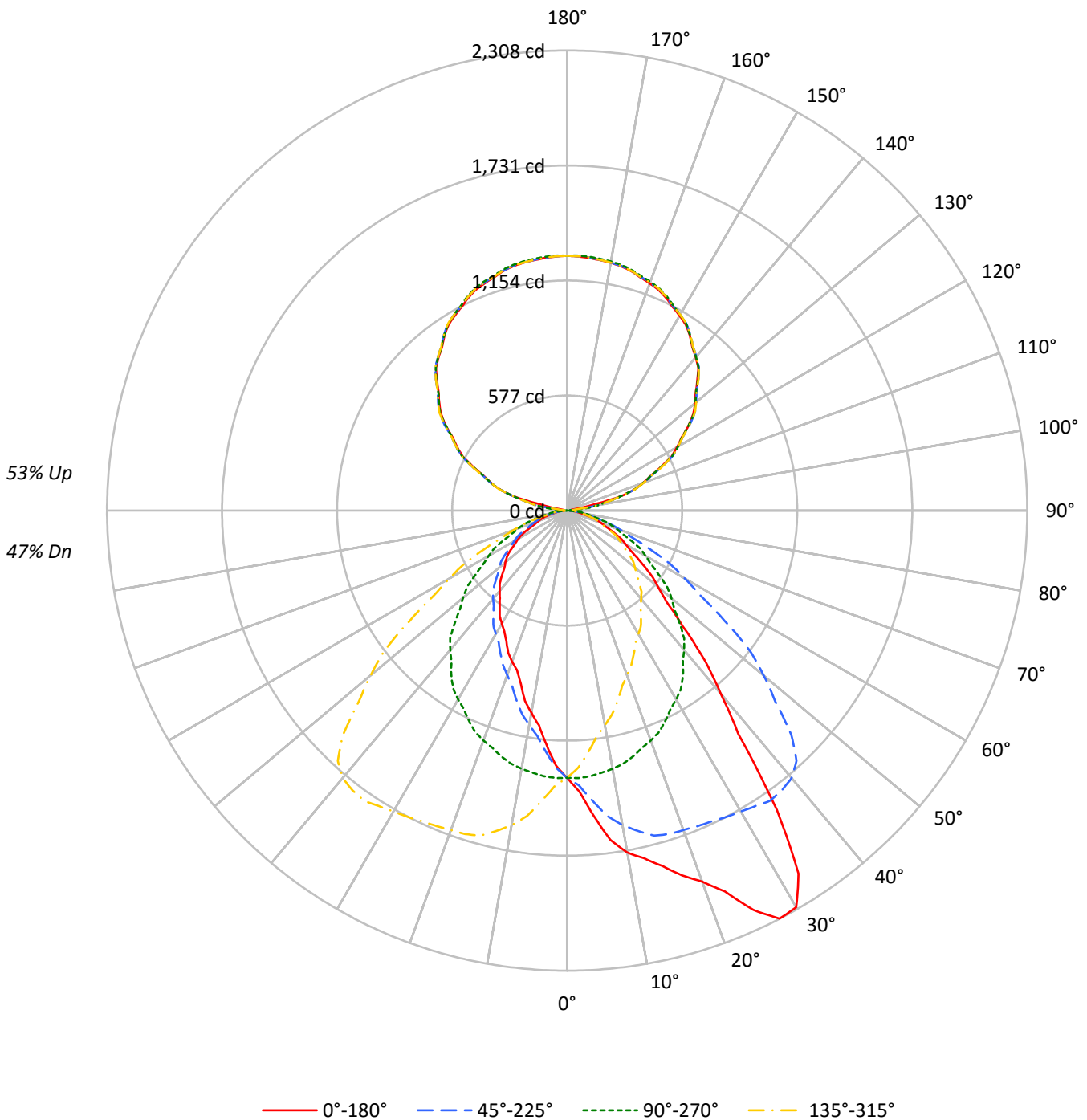
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	93	90	86	90	86	83	80	72	70	68	59	58	57	48	47	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39	34
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	30
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29	26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	22
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	24	20	18	16
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8657	8657	8657	8657
5°	9961	8669	7656	8669
10°	11425	8625	6755	8625
15°	12341	8536	6005	8536
20°	13608	8434	5544	8434
25°	15748	8298	5144	8298
30°	17137	8154	4883	8154
35°	14456	7987	4642	7987
40°	10095	7687	4435	7687
45°	7489	7283	4232	7283
50°	5971	6861	4058	6861
55°	5068	6339	3904	6339
60°	4379	5871	3653	5871
65°	3903	5365	3145	5365
70°	3429	4913	2868	4913
75°	2967	4257	2692	4257
80°	2250	3582	2250	3582
85°	1875	2816	2119	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	1.7
10°-20°	376.7	5.1
20°-30°	597.3	8.1
30°-40°	720.3	9.7
40°-50°	643.2	8.7
50°-60°	493.3	6.7
60°-70°	320.6	4.3
70°-80°	155.9	2.1
80°-90°	39.9	0.5
90°-100°	46.5	0.6
100°-110°	286.3	3.9
110°-120°	519.2	7.0
120°-130°	666.3	9.0
130°-140°	716.7	9.7
140°-150°	672.7	9.1
150°-160°	544.2	7.4
160°-170°	351.9	4.8
170°-180°	121.4	1.6
0°-30°	1102.6	14.9
0°-40°	1822.8	24.6
0°-60°	2959.4	40.0
0°-90°	3475.6	47.0
90°-120°	851.9	11.5
90°-150°	2907.7	39.3
90°-180°	3925.0	53.0
0°-180°	7400.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1340	1340	1340	1340	1340	
5°	1536	1337	1181	1337	1536	154
15°	1846	1277	898	1277	1846	529
25°	2210	1164	722	1164	2210	1015
35°	1834	1013	589	1013	1834	1108
45°	820	797	463	797	820	654
55°	450	563	347	563	450	408
65°	255	351	206	351	255	254
75°	119	171	108	171	119	127
85°	25	38	29	38	25	30
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1410.1	1409.2	1411.0	1406.1	1406.6	1399.1	1399.1	1393.3	1385.8	1380.1	1377.4
5°	1536.4	1537.5	1535.3	1527.1	1521.5	1513.3	1503.9	1487.4	1473.7	1460.4	1450.0
7.5°	1666.5	1667.2	1659.9	1657.4	1643.6	1633.5	1612.7	1590.2	1570.3	1545.0	1525.6
10°	1742.2	1741.6	1733.9	1727.9	1715.8	1700.4	1680.0	1653.6	1628.8	1601.3	1574.9
12.5°	1786.2	1784.8	1782.3	1775.0	1763.7	1750.1	1732.8	1706.8	1676.3	1646.3	1615.4
15°	1845.7	1841.8	1834.7	1825.3	1809.3	1793.3	1774.1	1751.0	1721.8	1687.7	1659.1
17.5°	1919.1	1919.3	1908.3	1895.2	1873.6	1845.4	1815.7	1778.4	1738.8	1701.3	1670.8
20°	1979.9	1978.2	1967.2	1942.0	1917.2	1882.0	1847.9	1802.1	1753.7	1704.8	1666.8
22.5°	2067.1	2062.8	2051.3	2018.1	1979.7	1934.4	1882.2	1826.4	1767.8	1712.2	1662.4
25°	2210.0	2206.6	2184.0	2145.5	2091.7	2021.7	1953.5	1877.0	1792.8	1719.6	1659.1
27.5°	2307.6	2304.0	2287.3	2255.3	2205.5	2132.0	2039.6	1937.4	1832.3	1731.6	1644.4
30°	2298.0	2306.2	2304.0	2289.2	2251.8	2185.7	2100.5	1985.4	1860.5	1742.2	1638.2
32.5°	2159.7	2167.1	2186.5	2215.7	2217.9	2191.4	2127.7	2021.5	1892.2	1757.6	1633.4
35°	1833.5	1843.5	1880.9	1939.8	2016.8	2081.1	2094.3	2037.1	1921.0	1776.3	1626.1
37.5°	1409.6	1463.7	1495.3	1557.2	1673.6	1792.0	1905.9	1947.9	1898.4	1768.6	1614.3
40°	1197.4	1210.6	1266.7	1336.6	1434.6	1557.9	1720.2	1837.4	1841.3	1751.0	1595.8
42.5°	1024.8	1041.5	1080.1	1135.9	1219.8	1343.0	1510.7	1665.2	1736.9	1702.6	1571.6
45°	819.9	832.6	860.6	903.6	967.9	1069.8	1213.9	1392.8	1534.7	1590.3	1506.7
47.5°	673.5	680.4	704.8	737.5	785.1	859.3	970.9	1126.2	1296.5	1415.8	1404.1
50°	594.3	602.0	620.7	645.5	685.7	748.4	837.6	966.9	1142.4	1288.2	1317.4
52.5°	532.6	539.1	550.7	574.1	607.3	655.5	727.5	844.5	1002.4	1157.5	1224.9
55°	450.1	454.5	463.9	477.1	503.5	538.2	600.4	681.3	808.9	965.2	1064.2
57.5°	382.1	384.3	390.3	402.5	420.8	446.1	491.0	559.5	651.1	791.8	901.2
60°	339.0	341.2	348.9	357.1	371.5	394.5	429.7	477.6	565.7	681.8	792.4
62.5°	304.6	306.0	309.2	317.5	330.0	347.9	375.6	414.7	484.7	586.7	691.1
65°	255.4	255.8	257.0	263.6	271.3	284.5	302.6	330.2	383.0	460.1	552.4
67.5°	208.0	208.8	212.6	214.9	223.0	229.9	240.6	261.6	298.8	350.7	422.7
70°	181.6	181.1	184.9	187.7	190.4	198.7	205.8	222.9	246.0	285.6	345.6
72.5°	156.9	155.5	157.2	158.2	161.8	167.4	174.6	185.0	202.8	230.2	276.1
75°	118.9	119.4	119.4	120.5	123.3	125.5	127.7	133.1	143.1	161.3	186.0
77.5°	83.4	82.5	84.9	85.2	86.8	89.3	91.2	93.4	97.4	104.8	117.6
80°	60.5	60.5	61.1	62.7	62.2	63.3	66.0	68.2	73.2	77.6	82.0
82.5°	46.5	46.0	46.6	46.9	46.8	47.9	48.8	49.3	51.2	53.4	56.4
85°	25.3	25.3	25.8	25.8	26.4	26.4	27.0	27.0	27.0	27.5	28.0
87.5°	14.3	13.7	13.1	13.0	13.3	14.0	13.4	12.7	12.5	12.3	12.4
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°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1377.4	1374.4	1368.6	1363.3	1356.7	1351.0	1347.1	1342.2	1336.1	1328.6	1322.4
5°	1438.4	1426.3	1410.4	1396.6	1379.0	1365.2	1351.0	1337.2	1323.4	1305.8	1290.4
7.5°	1506.0	1481.0	1456.7	1426.1	1398.4	1373.6	1349.8	1325.8	1302.2	1277.2	1253.1
10°	1547.4	1517.1	1483.5	1445.0	1409.8	1376.2	1345.4	1315.2	1283.3	1255.2	1224.9
12.5°	1586.2	1547.0	1508.6	1460.0	1417.7	1376.7	1337.5	1299.8	1265.7	1229.2	1196.8
15°	1621.1	1582.6	1539.7	1480.3	1421.4	1371.8	1325.6	1276.7	1234.3	1193.5	1157.2
17.5°	1634.7	1594.2	1544.4	1487.3	1422.9	1360.7	1301.1	1247.4	1197.5	1150.1	1109.2
20°	1629.4	1590.3	1539.1	1484.7	1415.8	1351.0	1286.5	1227.1	1171.6	1121.4	1078.0
22.5°	1616.6	1576.2	1526.8	1469.3	1403.9	1335.1	1266.3	1202.9	1144.7	1092.8	1045.5
25°	1597.5	1542.5	1491.8	1435.7	1373.5	1305.3	1234.3	1164.4	1102.2	1049.4	997.7
27.5°	1577.5	1508.9	1444.5	1388.7	1323.0	1262.1	1193.7	1122.0	1056.6	1002.8	949.7
30°	1559.5	1482.5	1411.4	1348.2	1286.0	1228.2	1163.3	1093.4	1026.3	970.7	916.8
32.5°	1537.0	1455.1	1377.1	1304.2	1244.1	1186.8	1128.0	1061.3	995.9	938.6	883.8
35°	1508.9	1404.4	1319.6	1241.9	1175.4	1119.8	1067.0	1013.1	947.6	888.2	834.8
37.5°	1471.9	1353.2	1255.2	1170.7	1100.4	1044.6	1002.9	953.7	893.9	837.0	787.4
40°	1449.4	1316.3	1208.9	1125.4	1051.6	992.7	953.7	911.8	857.4	804.0	754.4
42.5°	1419.5	1282.4	1162.3	1075.1	1000.9	944.3	904.7	868.2	822.6	772.3	719.2
45°	1360.8	1216.7	1090.6	997.1	922.3	866.7	829.8	797.4	762.7	716.5	670.3
47.5°	1284.4	1148.1	1016.3	914.1	840.8	789.2	753.4	727.8	703.0	663.7	618.8
50°	1223.3	1091.8	963.0	864.0	785.8	736.8	703.3	682.9	660.3	624.6	587.2
52.5°	1151.0	1033.6	907.5	806.2	732.5	686.6	654.4	634.1	615.5	586.3	550.6
55°	1037.3	934.4	818.8	726.9	659.3	613.0	582.2	563.0	552.0	527.2	499.1
57.5°	906.0	832.3	730.3	641.7	581.9	536.2	513.6	497.3	484.8	467.3	447.5
60°	814.4	762.7	671.3	587.2	532.1	488.6	468.3	454.5	443.0	428.1	412.7
62.5°	721.5	683.9	604.5	532.1	481.5	445.1	426.0	413.6	400.3	390.3	375.3
65°	597.0	563.5	508.4	451.8	405.0	375.9	362.1	351.1	342.8	331.8	321.4
67.5°	464.5	450.8	412.8	373.7	340.1	314.2	302.3	294.6	284.7	278.1	270.9
70°	383.0	376.4	349.4	323.6	292.2	274.6	263.6	260.2	248.2	241.6	236.6
72.5°	310.8	307.7	292.2	274.3	252.2	236.8	226.6	222.9	215.2	209.9	206.7
75°	213.0	214.1	211.3	199.7	191.5	181.6	172.8	170.6	165.1	160.7	157.9
77.5°	134.7	140.3	140.6	140.0	136.7	130.6	127.0	125.4	119.9	118.3	117.6
80°	92.5	98.5	104.0	103.5	102.3	100.7	97.9	96.3	93.5	91.9	90.8
82.5°	61.6	67.3	71.8	74.8	74.6	73.0	71.1	70.4	69.8	68.6	68.3
85°	29.2	30.2	31.9	35.8	38.5	39.1	38.5	38.0	36.3	36.9	37.4
87.5°	12.6	12.3	12.4	12.1	11.3	13.2	14.2	14.3	13.7	13.2	12.6
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: P333604-930

CATALOG NUMBER: S125RDIP-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: P333604-930

CATALOG NUMBER: S125RDIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1318.0	1311.9	1307.5	1298.7	1292.5	1289.9	1285.0	1283.7	1288.5	1285.0	1284.6
5°	1278.9	1262.9	1250.3	1237.5	1223.8	1215.0	1201.8	1199.6	1196.3	1191.3	1190.3
7.5°	1231.8	1211.0	1194.7	1173.9	1155.7	1141.1	1124.5	1116.7	1112.5	1106.0	1097.5
10°	1200.1	1175.4	1153.4	1132.5	1109.9	1091.8	1075.2	1062.6	1054.3	1046.6	1043.3
12.5°	1168.9	1143.7	1115.5	1090.2	1065.0	1044.6	1026.4	1018.1	1009.0	1000.0	992.3
15°	1120.4	1086.8	1056.0	1026.8	1005.3	983.3	965.7	953.7	939.9	936.0	921.2
17.5°	1068.9	1035.9	999.9	969.1	944.3	920.1	900.7	887.0	876.6	862.4	855.6
20°	1036.7	997.7	962.5	934.4	906.9	878.2	858.4	846.9	837.0	825.4	819.9
22.5°	1002.4	964.2	928.1	895.2	867.2	839.1	825.0	813.0	801.8	791.1	783.8
25°	951.9	913.5	875.5	841.4	812.2	791.8	775.3	761.6	755.5	745.1	737.4
27.5°	902.1	861.2	821.8	787.7	764.9	744.8	731.2	720.3	709.4	700.3	693.6
30°	870.0	828.2	785.2	758.3	734.1	714.8	699.9	689.5	681.3	673.0	668.1
32.5°	837.9	794.8	756.6	727.5	704.6	687.9	672.6	662.7	654.0	644.8	639.0
35°	786.4	742.3	711.5	682.9	660.3	644.9	634.5	620.2	613.0	606.4	600.4
37.5°	738.5	697.6	664.2	639.1	619.5	604.2	590.7	582.9	574.1	568.2	563.1
40°	703.3	665.9	635.6	609.2	594.8	577.8	565.2	555.2	548.6	541.0	535.4
42.5°	671.6	636.7	607.4	583.6	565.8	551.4	539.2	529.3	520.9	515.4	510.8
45°	626.8	592.1	563.5	541.4	525.0	511.2	498.6	493.6	482.6	476.0	473.8
47.5°	580.4	549.4	521.8	501.5	484.6	471.6	459.7	449.6	443.5	437.0	433.5
50°	549.2	519.4	493.6	473.8	457.3	443.0	431.9	425.3	417.1	411.1	406.7
52.5°	518.0	490.4	464.6	445.6	431.3	417.0	404.7	398.1	390.3	386.4	383.4
55°	473.3	444.1	422.1	403.3	388.5	375.3	363.7	357.1	352.2	348.3	347.2
57.5°	422.7	399.5	379.0	362.2	346.7	334.4	324.2	318.0	313.6	313.0	309.7
60°	389.6	368.7	350.0	331.8	318.6	307.0	298.2	291.1	286.7	286.2	285.0
62.5°	356.6	336.6	319.2	303.2	291.3	280.2	271.8	263.8	261.1	258.4	256.0
65°	307.6	289.4	275.2	262.4	249.8	240.4	232.2	227.3	221.2	217.9	211.9
67.5°	259.5	245.4	231.7	221.0	211.1	202.2	195.3	188.0	183.9	181.2	176.8
70°	227.8	216.8	203.1	191.5	183.8	176.7	171.1	162.9	160.1	157.9	155.7
72.5°	197.9	188.2	176.7	167.3	159.6	152.9	146.5	142.6	139.9	137.7	136.4
75°	155.7	146.3	136.5	129.9	124.3	118.9	115.5	112.8	111.7	111.1	108.9
77.5°	114.4	109.4	101.5	96.2	92.5	90.3	87.4	85.9	85.9	83.4	82.7
80°	87.5	84.7	78.1	75.9	73.2	71.0	69.3	66.6	63.8	62.7	61.1
82.5°	65.1	62.3	59.7	56.1	53.8	52.5	50.9	49.8	50.2	48.7	47.9
85°	34.7	31.9	30.8	30.2	29.2	30.2	29.7	29.2	28.6	28.0	28.6
87.5°	12.6	12.9	12.7	13.9	12.9	13.6	13.8	13.6	13.8	14.0	13.7
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



TEST NUMBER: P333604-930

CATALOG NUMBER: S125RDIP-S1090D1205U930-4F0-1E-UDD-A

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: P333604-930

CATALOG NUMBER: S125RDIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1284.1	1279.3	1278.0	1279.7	1278.0	1279.3	1284.1	1284.6	1285.0	1288.5	1283.7
5°	1184.8	1179.2	1182.0	1180.9	1182.0	1179.2	1184.8	1190.3	1191.3	1196.3	1199.6
7.5°	1097.4	1090.5	1083.3	1085.6	1083.3	1090.5	1097.4	1097.5	1106.0	1112.5	1116.7
10°	1036.2	1030.7	1027.4	1030.1	1027.4	1030.7	1036.2	1043.3	1046.6	1054.3	1062.6
12.5°	984.6	981.4	978.5	977.3	978.5	981.4	984.6	992.3	1000.0	1009.0	1018.1
15°	914.6	908.0	905.2	898.1	905.2	908.0	914.6	921.2	936.0	939.9	953.7
17.5°	849.9	847.7	840.6	837.6	840.6	847.7	849.9	855.6	862.4	876.6	887.0
20°	811.6	809.4	802.3	806.7	802.3	809.4	811.6	819.9	825.4	837.0	846.9
22.5°	780.0	775.1	772.8	771.5	772.8	775.1	780.0	783.8	791.1	801.8	813.0
25°	735.2	728.0	725.3	721.9	725.3	728.0	735.2	737.4	745.1	755.5	761.6
27.5°	690.5	686.6	683.0	682.2	683.0	686.6	690.5	693.6	700.3	709.4	720.3
30°	661.5	657.6	654.8	654.8	654.8	657.6	661.5	668.1	673.0	681.3	689.5
32.5°	635.4	632.5	629.7	629.3	629.7	632.5	635.4	639.0	644.8	654.0	662.7
35°	597.6	593.2	592.1	588.8	592.1	593.2	597.6	600.4	606.4	613.0	620.2
37.5°	558.3	554.6	554.6	554.2	554.6	554.6	558.3	563.1	568.2	574.1	582.9
40°	533.2	530.4	529.9	526.0	529.9	530.4	533.2	535.4	541.0	548.6	555.2
42.5°	506.4	504.9	503.0	501.4	503.0	504.9	506.4	510.8	515.4	520.9	529.3
45°	469.9	466.1	466.1	463.3	466.1	466.1	469.9	473.8	476.0	482.6	493.6
47.5°	432.3	429.3	429.7	426.8	429.7	429.3	432.3	433.5	437.0	443.5	449.6
50°	407.2	405.5	405.0	403.9	405.0	405.5	407.2	406.7	411.1	417.1	425.3
52.5°	382.1	381.3	383.4	381.0	383.4	381.3	382.1	383.4	386.4	390.3	398.1
55°	348.3	346.7	350.0	346.7	350.0	346.7	348.3	347.2	348.3	352.2	357.1
57.5°	309.5	307.9	310.9	309.2	310.9	307.9	309.5	309.7	313.0	313.6	318.0
60°	284.0	280.6	282.3	282.8	282.3	280.6	284.0	285.0	286.2	286.7	291.1
62.5°	253.6	251.6	252.8	250.3	252.8	251.6	253.6	256.0	258.4	261.1	263.8
65°	210.8	209.1	206.9	205.8	206.9	209.1	210.8	211.9	217.9	221.2	227.3
67.5°	177.1	173.1	173.0	173.9	173.0	173.1	177.1	176.8	181.2	183.9	188.0
70°	152.5	152.5	151.9	151.9	151.9	152.5	152.5	155.7	157.9	160.1	162.9
72.5°	135.3	134.9	133.8	133.4	133.8	134.9	135.3	136.4	137.7	139.9	142.6
75°	108.9	109.5	108.4	107.9	108.4	109.5	108.9	108.9	111.1	111.7	112.8
77.5°	80.5	78.1	79.3	78.1	79.3	78.1	80.5	82.7	83.4	85.9	85.9
80°	61.1	60.5	62.2	60.5	62.2	60.5	61.1	61.1	62.7	63.8	66.6
82.5°	48.3	47.8	48.5	47.3	48.5	47.8	48.3	47.9	48.7	50.2	49.8
85°	29.2	28.6	28.0	28.6	28.0	28.6	29.2	28.6	28.0	28.6	29.2
87.5°	14.3	13.9	14.1	14.3	14.1	13.9	14.3	13.7	14.0	13.8	13.6
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: P333604-930

CATALOG NUMBER: S125RDIP-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: P333604-930

CATALOG NUMBER: S125RDIP-S1090D1205U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1285.0	1289.9	1292.5	1298.7	1307.5	1311.9	1318.0	1322.4	1328.6	1336.1	1342.2
5°	1201.8	1215.0	1223.8	1237.5	1250.3	1262.9	1278.9	1290.4	1305.8	1323.4	1337.2
7.5°	1124.5	1141.1	1155.7	1173.9	1194.7	1211.0	1231.8	1253.1	1277.2	1302.2	1325.8
10°	1075.2	1091.8	1109.9	1132.5	1153.4	1175.4	1200.1	1224.9	1255.2	1283.3	1315.2
12.5°	1026.4	1044.6	1065.0	1090.2	1115.5	1143.7	1168.9	1196.8	1229.2	1265.7	1299.8
15°	965.7	983.3	1005.3	1026.8	1056.0	1086.8	1120.4	1157.2	1193.5	1234.3	1276.7
17.5°	900.7	920.1	944.3	969.1	999.9	1035.9	1068.9	1109.2	1150.1	1197.5	1247.4
20°	858.4	878.2	906.9	934.4	962.5	997.7	1036.7	1078.0	1121.4	1171.6	1227.1
22.5°	825.0	839.1	867.2	895.2	928.1	964.2	1002.4	1045.5	1092.8	1144.7	1202.9
25°	775.3	791.8	812.2	841.4	875.5	913.5	951.9	997.7	1049.4	1102.2	1164.4
27.5°	731.2	744.8	764.9	787.7	821.8	861.2	902.1	949.7	1002.8	1056.6	1122.0
30°	699.9	714.8	734.1	758.3	785.2	828.2	870.0	916.8	970.7	1026.3	1093.4
32.5°	672.6	687.9	704.6	727.5	756.6	794.8	837.9	883.8	938.6	995.9	1061.3
35°	634.5	644.9	660.3	682.9	711.5	742.3	786.4	834.8	888.2	947.6	1013.1
37.5°	590.7	604.2	619.5	639.1	664.2	697.6	738.5	787.4	837.0	893.9	953.7
40°	565.2	577.8	594.8	609.2	635.6	665.9	703.3	754.4	804.0	857.4	911.8
42.5°	539.2	551.4	565.8	583.6	607.4	636.7	671.6	719.2	772.3	822.6	868.2
45°	498.6	511.2	525.0	541.4	563.5	592.1	626.8	670.3	716.5	762.7	797.4
47.5°	459.7	471.6	484.6	501.5	521.8	549.4	580.4	618.8	663.7	703.0	727.8
50°	431.9	443.0	457.3	473.8	493.6	519.4	549.2	587.2	624.6	660.3	682.9
52.5°	404.7	417.0	431.3	445.6	464.6	490.4	518.0	550.6	586.3	615.5	634.1
55°	363.7	375.3	388.5	403.3	422.1	444.1	473.3	499.1	527.2	552.0	563.0
57.5°	324.2	334.4	346.7	362.2	379.0	399.5	422.7	447.5	467.3	484.8	497.3
60°	298.2	307.0	318.6	331.8	350.0	368.7	389.6	412.7	428.1	443.0	454.5
62.5°	271.8	280.2	291.3	303.2	319.2	336.6	356.6	375.3	390.3	400.3	413.6
65°	232.2	240.4	249.8	262.4	275.2	289.4	307.6	321.4	331.8	342.8	351.1
67.5°	195.3	202.2	211.1	221.0	231.7	245.4	259.5	270.9	278.1	284.7	294.6
70°	171.1	176.7	183.8	191.5	203.1	216.8	227.8	236.6	241.6	248.2	260.2
72.5°	146.5	152.9	159.6	167.3	176.7	188.2	197.9	206.7	209.9	215.2	222.9
75°	115.5	118.9	124.3	129.9	136.5	146.3	155.7	157.9	160.7	165.1	170.6
77.5°	87.4	90.3	92.5	96.2	101.5	109.4	114.4	117.6	118.3	119.9	125.4
80°	69.3	71.0	73.2	75.9	78.1	84.7	87.5	90.8	91.9	93.5	96.3
82.5°	50.9	52.5	53.8	56.1	59.7	62.3	65.1	68.3	68.6	69.8	70.4
85°	29.7	30.2	29.2	30.2	30.8	31.9	34.7	37.4	36.9	36.3	38.0
87.5°	13.8	13.6	12.9	13.9	12.7	12.9	12.6	12.6	13.2	13.7	14.3
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: P333604-930

CATALOG NUMBER: S125RDIP-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: P333604-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1347.1	1351.0	1356.7	1363.3	1368.6	1374.4	1377.4	1377.4	1380.1	1385.8	1393.3
5°	1351.0	1365.2	1379.0	1396.6	1410.4	1426.3	1438.4	1450.0	1460.4	1473.7	1487.4
7.5°	1349.8	1373.6	1398.4	1426.1	1456.7	1481.0	1506.0	1525.6	1545.0	1570.3	1590.2
10°	1345.4	1376.2	1409.8	1445.0	1483.5	1517.1	1547.4	1574.9	1601.3	1628.8	1653.6
12.5°	1337.5	1376.7	1417.7	1460.0	1508.6	1547.0	1586.2	1615.4	1646.3	1676.3	1706.8
15°	1325.6	1371.8	1421.4	1480.3	1539.7	1582.6	1621.1	1659.1	1687.7	1721.8	1751.0
17.5°	1301.1	1360.7	1422.9	1487.3	1544.4	1594.2	1634.7	1670.8	1701.3	1738.8	1778.4
20°	1286.5	1351.0	1415.8	1484.7	1539.1	1590.3	1629.4	1666.8	1704.8	1753.7	1802.1
22.5°	1266.3	1335.1	1403.9	1469.3	1526.8	1576.2	1616.6	1662.4	1712.2	1767.8	1826.4
25°	1234.3	1305.3	1373.5	1435.7	1491.8	1542.5	1597.5	1659.1	1719.6	1792.8	1877.0
27.5°	1193.7	1262.1	1323.0	1388.7	1444.5	1508.9	1577.5	1644.4	1731.6	1832.3	1937.4
30°	1163.3	1228.2	1286.0	1348.2	1411.4	1482.5	1559.5	1638.2	1742.2	1860.5	1985.4
32.5°	1128.0	1186.8	1244.1	1304.2	1377.1	1455.1	1537.0	1633.4	1757.6	1892.2	2021.5
35°	1067.0	1119.8	1175.4	1241.9	1319.6	1404.4	1508.9	1626.1	1776.3	1921.0	2037.1
37.5°	1002.9	1044.6	1100.4	1170.7	1255.2	1353.2	1471.9	1614.3	1768.6	1898.4	1947.9
40°	953.7	992.7	1051.6	1125.4	1208.9	1316.3	1449.4	1595.8	1751.0	1841.3	1837.4
42.5°	904.7	944.3	1000.9	1075.1	1162.3	1282.4	1419.5	1571.6	1702.6	1736.9	1665.2
45°	829.8	866.7	922.3	997.1	1090.6	1216.7	1360.8	1506.7	1590.3	1534.7	1392.8
47.5°	753.4	789.2	840.8	914.1	1016.3	1148.1	1284.4	1404.1	1415.8	1296.5	1126.2
50°	703.3	736.8	785.8	864.0	963.0	1091.8	1223.3	1317.4	1288.2	1142.4	966.9
52.5°	654.4	686.6	732.5	806.2	907.5	1033.6	1151.0	1224.9	1157.5	1002.4	844.5
55°	582.2	613.0	659.3	726.9	818.8	934.4	1037.3	1064.2	965.2	808.9	681.3
57.5°	513.6	536.2	581.9	641.7	730.3	832.3	906.0	901.2	791.8	651.1	559.5
60°	468.3	488.6	532.1	587.2	671.3	762.7	814.4	792.4	681.8	565.7	477.6
62.5°	426.0	445.1	481.5	532.1	604.5	683.9	721.5	691.1	586.7	484.7	414.7
65°	362.1	375.9	405.0	451.8	508.4	563.5	597.0	552.4	460.1	383.0	330.2
67.5°	302.3	314.2	340.1	373.7	412.8	450.8	464.5	422.7	350.7	298.8	261.6
70°	263.6	274.6	292.2	323.6	349.4	376.4	383.0	345.6	285.6	246.0	222.9
72.5°	226.6	236.8	252.2	274.3	292.2	307.7	310.8	276.1	230.2	202.8	185.0
75°	172.8	181.6	191.5	199.7	211.3	214.1	213.0	186.0	161.3	143.1	133.1
77.5°	127.0	130.6	136.7	140.0	140.6	140.3	134.7	117.6	104.8	97.4	93.4
80°	97.9	100.7	102.3	103.5	104.0	98.5	92.5	82.0	77.6	73.2	68.2
82.5°	71.1	73.0	74.6	74.8	71.8	67.3	61.6	56.4	53.4	51.2	49.3
85°	38.5	39.1	38.5	35.8	31.9	30.2	29.2	28.0	27.5	27.0	27.0
87.5°	14.2	13.2	11.3	12.1	12.4	12.3	12.6	12.4	12.3	12.5	12.7
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°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1399.1	1399.1	1406.6	1406.1	1411.0	1409.2	1410.1
5°	1503.9	1513.3	1521.5	1527.1	1535.3	1537.5	1536.4
7.5°	1612.7	1633.5	1643.6	1657.4	1659.9	1667.2	1666.5
10°	1680.0	1700.4	1715.8	1727.9	1733.9	1741.6	1742.2
12.5°	1732.8	1750.1	1763.7	1775.0	1782.3	1784.8	1786.2
15°	1774.1	1793.3	1809.3	1825.3	1834.7	1841.8	1845.7
17.5°	1815.7	1845.4	1873.6	1895.2	1908.3	1919.3	1919.1
20°	1847.9	1882.0	1917.2	1942.0	1967.2	1978.2	1979.9
22.5°	1882.2	1934.4	1979.7	2018.1	2051.3	2062.8	2067.1
25°	1953.5	2021.7	2091.7	2145.5	2184.0	2206.6	2210.0
27.5°	2039.6	2132.0	2205.5	2255.3	2287.3	2304.0	2307.6
30°	2100.5	2185.7	2251.8	2289.2	2304.0	2306.2	2298.0
32.5°	2127.7	2191.4	2217.9	2215.7	2186.5	2167.1	2159.7
35°	2094.3	2081.1	2016.8	1939.8	1880.9	1843.5	1833.5
37.5°	1905.9	1792.0	1673.6	1557.2	1495.3	1463.7	1409.6
40°	1720.2	1557.9	1434.6	1336.6	1266.7	1210.6	1197.4
42.5°	1510.7	1343.0	1219.8	1135.9	1080.1	1041.5	1024.8
45°	1213.9	1069.8	967.9	903.6	860.6	832.6	819.9
47.5°	970.9	859.3	785.1	737.5	704.8	680.4	673.5
50°	837.6	748.4	685.7	645.5	620.7	602.0	594.3
52.5°	727.5	655.5	607.3	574.1	550.7	539.1	532.6
55°	600.4	538.2	503.5	477.1	463.9	454.5	450.1
57.5°	491.0	446.1	420.8	402.5	390.3	384.3	382.1
60°	429.7	394.5	371.5	357.1	348.9	341.2	339.0
62.5°	375.6	347.9	330.0	317.5	309.2	306.0	304.6
65°	302.6	284.5	271.3	263.6	257.0	255.8	255.4
67.5°	240.6	229.9	223.0	214.9	212.6	208.8	208.0
70°	205.8	198.7	190.4	187.7	184.9	181.1	181.6
72.5°	174.6	167.4	161.8	158.2	157.2	155.5	156.9
75°	127.7	125.5	123.3	120.5	119.4	119.4	118.9
77.5°	91.2	89.3	86.8	85.2	84.9	82.5	83.4
80°	66.0	63.3	62.2	62.7	61.1	60.5	60.5
82.5°	48.8	47.9	46.8	46.9	46.6	46.0	46.5
85°	27.0	26.4	26.4	25.8	25.8	25.3	25.3
87.5°	13.4	14.0	13.3	13.0	13.1	13.7	14.3
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)