

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: P333604-940

Luminaire Tested: **S125RDIP-S1090D1205U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333604-940  
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-S1090D1205U940-4F0-1E-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**

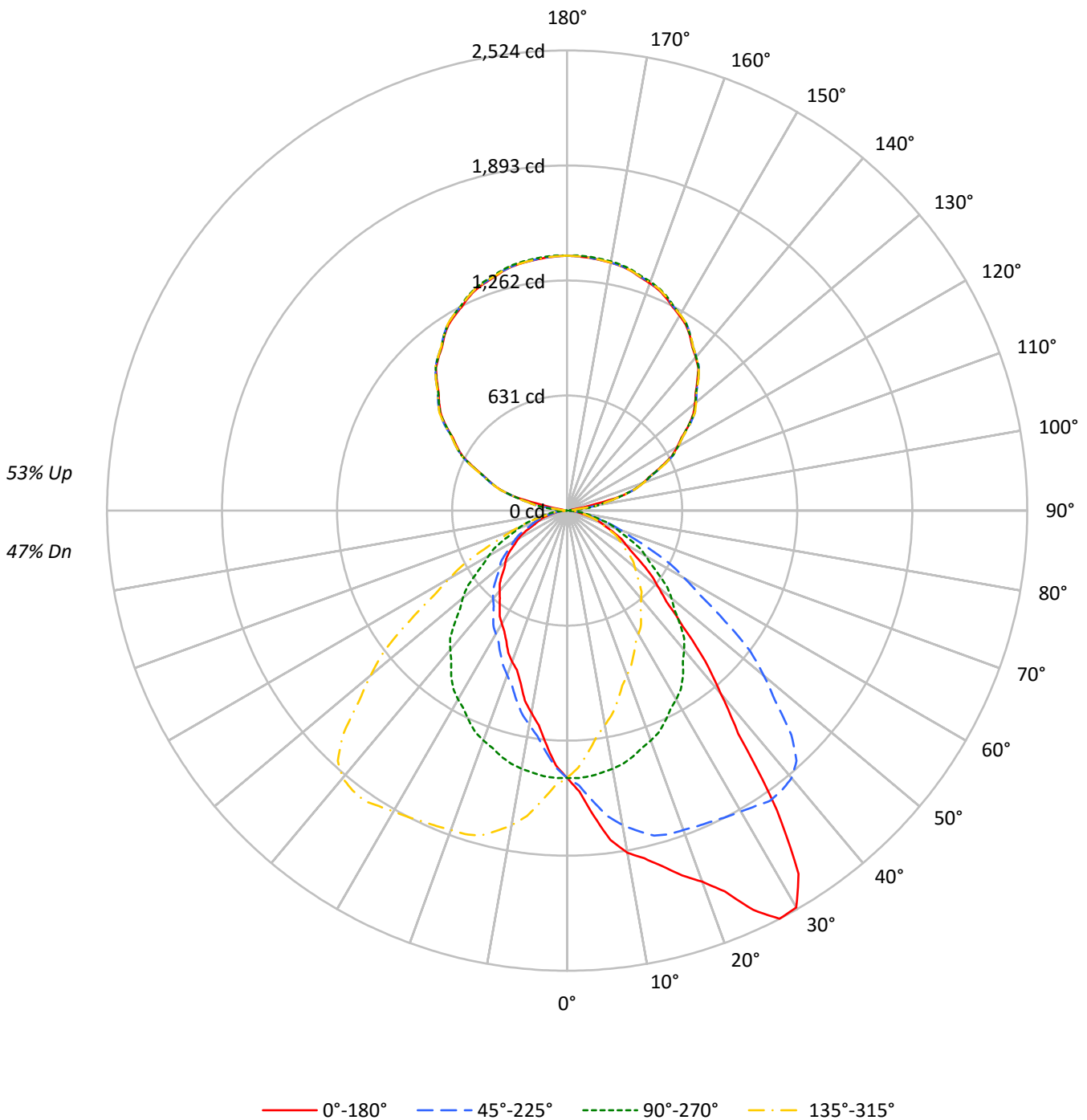
Lumens per Lamp: N/A  
Luminaire Lumens: 8094.5 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 65.4  
Input Voltage (V): 120  
Input Current (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	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									47																			
1	98	93	90	86	90	86	83	80	72	70	68	59	58	57	48	47	46	40									40																			
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39	34									34																			
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	30									30																			
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29	26									26																			
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	22									22																			
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20									20																			
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20	18									18																			
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	24	20	18	16									16																			
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14									14																			
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13									13																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9469	9469	9469	9469
5°	10893	9481	8373	9481
10°	12496	9433	7389	9433
15°	13497	9336	6567	9336
20°	14882	9224	6064	9224
25°	17224	9075	5627	9075
30°	18744	8918	5341	8918
35°	15811	8736	5077	8736
40°	11042	8408	4850	8408
45°	8191	7965	4629	7965
50°	6531	7504	4439	7504
55°	5543	6933	4270	6933
60°	4790	6421	3995	6421
65°	4268	5868	3440	5868
70°	3750	5374	3136	5374
75°	3244	4654	2944	4654
80°	2462	3916	2462	3916
85°	2045	3083	2319	3083



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.6	1.7
10°-20°	412.0	5.1
20°-30°	653.3	8.1
30°-40°	787.8	9.7
40°-50°	703.5	8.7
50°-60°	539.5	6.7
60°-70°	350.6	4.3
70°-80°	170.5	2.1
80°-90°	43.6	0.5
90°-100°	50.8	0.6
100°-110°	313.1	3.9
110°-120°	567.9	7.0
120°-130°	728.8	9.0
130°-140°	783.9	9.7
140°-150°	735.8	9.1
150°-160°	595.2	7.4
160°-170°	384.9	4.8
170°-180°	132.8	1.6
0°-30°	1205.9	14.9
0°-40°	1993.7	24.6
0°-60°	3236.7	40.0
0°-90°	3801.4	47.0
90°-120°	931.8	11.5
90°-150°	3180.2	39.3
90°-180°	4293.0	53.0
0°-180°	8094.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1466	1466	1466	1466	1466	
5°	1680	1462	1292	1462	1680	168
15°	2019	1396	982	1396	2019	578
25°	2417	1274	790	1274	2417	1110
35°	2005	1108	644	1108	2005	1211
45°	897	872	507	872	897	716
55°	492	616	379	616	492	447
65°	279	384	225	384	279	278
75°	130	186	118	186	130	138
85°	28	42	31	42	28	32
90°	25	1	25	1	25	12
95°	22	59	22	59	22	18
105°	308	305	308	305	308	278
115°	568	572	568	572	568	564
125°	814	814	814	814	814	724
135°	1010	1015	1010	1015	1010	780
145°	1173	1176	1173	1176	1173	733
155°	1286	1295	1286	1295	1286	593
165°	1360	1367	1360	1367	1360	384
175°	1392	1398	1392	1398	1392	132
180°	1398	1398	1398	1398	1398	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1542.2	1541.2	1543.2	1537.8	1538.4	1530.2	1530.2	1523.9	1515.7	1509.5	1506.5
5°	1680.3	1681.6	1679.2	1670.2	1664.1	1655.1	1644.8	1626.8	1611.8	1597.3	1585.9
7.5°	1822.7	1823.5	1815.5	1812.8	1797.6	1786.5	1763.8	1739.2	1717.4	1689.8	1668.6
10°	1905.5	1904.9	1896.4	1889.8	1876.6	1859.8	1837.5	1808.6	1781.5	1751.4	1722.5
12.5°	1953.6	1952.0	1949.4	1941.3	1929.0	1914.1	1895.2	1866.8	1833.4	1800.5	1766.8
15°	2018.7	2014.4	2006.6	1996.4	1978.9	1961.4	1940.4	1915.1	1883.2	1845.8	1814.6
17.5°	2099.0	2099.2	2087.1	2072.9	2049.2	2018.4	1985.8	1945.1	1901.8	1860.7	1827.4
20°	2165.4	2163.6	2151.6	2124.0	2096.9	2058.3	2021.1	1971.0	1918.1	1864.6	1823.0
22.5°	2260.8	2256.1	2243.5	2207.3	2165.3	2115.7	2058.6	1997.5	1933.5	1872.7	1818.2
25°	2417.1	2413.4	2388.7	2346.6	2287.7	2211.2	2136.5	2052.9	1960.9	1880.8	1814.6
27.5°	2523.9	2520.0	2501.7	2466.7	2412.3	2331.8	2230.8	2119.0	2004.0	1893.9	1798.5
30°	2513.4	2522.4	2520.0	2503.7	2462.8	2390.6	2297.3	2171.5	2034.9	1905.5	1791.7
32.5°	2362.1	2370.3	2391.4	2423.3	2425.7	2396.8	2327.1	2211.0	2069.6	1922.4	1786.5
35°	2005.4	2016.2	2057.2	2121.6	2205.8	2276.2	2290.6	2228.0	2101.0	1942.8	1778.5
37.5°	1541.7	1600.9	1635.4	1703.2	1830.5	1960.0	2084.6	2130.5	2076.3	1934.4	1765.6
40°	1309.7	1324.1	1385.5	1461.9	1569.1	1703.9	1881.4	2009.6	2013.8	1915.1	1745.3
42.5°	1120.9	1139.2	1181.3	1242.3	1334.1	1468.9	1652.3	1821.3	1899.7	1862.2	1718.9
45°	896.8	910.6	941.3	988.3	1058.6	1170.0	1327.7	1523.3	1678.6	1739.4	1647.9
47.5°	736.6	744.1	770.9	806.6	858.7	939.9	1061.9	1231.7	1418.0	1548.5	1535.7
50°	650.0	658.4	678.9	706.0	749.9	818.5	916.1	1057.5	1249.5	1408.9	1440.8
52.5°	582.6	589.6	602.4	627.9	664.2	716.9	795.7	923.6	1096.4	1266.0	1339.7
55°	492.3	497.1	507.4	521.8	550.7	588.6	656.7	745.1	884.8	1055.6	1164.0
57.5°	417.9	420.4	426.9	440.2	460.2	487.9	537.0	612.0	712.1	866.0	985.6
60°	370.8	373.2	381.6	390.6	406.3	431.5	470.0	522.4	618.7	745.7	866.7
62.5°	333.1	334.7	338.2	347.2	361.0	380.5	410.8	453.5	530.1	641.7	755.9
65°	279.3	279.8	281.1	288.3	296.7	311.1	331.0	361.1	418.9	503.2	604.2
67.5°	227.5	228.4	232.6	235.1	243.9	251.5	263.1	286.1	326.8	383.6	462.3
70°	198.6	198.0	202.2	205.3	208.2	217.3	225.1	243.8	269.0	312.4	378.0
72.5°	171.7	170.0	171.9	173.0	176.9	183.1	190.9	202.3	221.9	251.7	301.9
75°	130.0	130.6	130.6	131.8	134.8	137.2	139.6	145.6	156.5	176.4	203.4
77.5°	91.2	90.2	92.8	93.2	95.0	97.6	99.7	102.1	106.6	114.7	128.7
80°	66.2	66.2	66.8	68.6	68.0	69.2	72.2	74.6	80.1	84.9	89.7
82.5°	50.8	50.3	50.9	51.3	51.2	52.3	53.4	53.9	56.0	58.4	61.7
85°	27.6	27.6	28.3	28.3	28.9	28.9	29.5	29.5	29.5	30.1	30.7
87.5°	15.6	15.0	14.4	14.2	14.5	15.3	14.6	13.9	13.6	13.5	13.6
90°	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9	17.7	16.6	15.0
92.5°	23.2	22.9	22.6	22.2	21.9	21.2	20.1	18.9	17.7	16.6	15.2
95°	21.8	21.8	21.8	21.8	21.8	21.2	20.1	18.9	17.7	16.6	25.3
97.5°	21.8	21.8	21.8	21.8	21.8	25.0	31.5	38.0	44.5	51.0	68.3
100°	21.8	22.6	23.6	24.5	25.4	43.1	77.4	111.7	146.0	180.3	179.4
102.5°	130.4	146.1	161.7	177.4	193.1	204.1	210.6	217.0	223.6	230.1	229.5
105°	307.8	308.0	308.3	308.4	308.7	308.8	308.8	308.8	308.8	308.8	308.8
107.5°	388.0	388.7	389.4	390.0	390.7	391.1	391.0	391.0	390.9	390.9	390.5
110°	443.5	443.4	443.1	442.8	442.6	442.8	443.5	444.3	445.0	445.6	445.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	493.3	493.7	493.9	494.3	494.5	495.2	496.1	497.0	497.8	498.6	498.4
115°	567.9	569.3	570.7	572.0	573.5	574.6	575.5	576.4	577.4	578.3	578.0
117.5°	647.5	648.1	648.7	649.3	649.9	650.8	652.0	653.2	654.4	655.6	654.7
120°	696.4	697.6	698.7	699.9	701.1	701.9	702.3	702.8	703.2	703.6	702.9
122.5°	742.9	744.2	745.5	746.8	748.1	749.1	749.6	750.0	750.5	750.9	750.6
125°	813.5	814.2	814.9	815.6	816.3	817.1	818.0	818.9	819.8	820.7	820.7
127.5°	873.0	874.7	876.4	878.2	879.9	880.9	881.5	881.9	882.4	883.0	883.1
130°	916.1	917.3	918.5	919.5	920.7	921.7	922.3	923.0	923.7	924.4	924.2
132.5°	955.9	957.1	958.2	959.4	960.6	961.2	961.3	961.4	961.6	961.7	962.2
135°	1010.4	1011.8	1013.2	1014.6	1015.9	1016.9	1017.4	1017.8	1018.2	1018.7	1019.1
137.5°	1065.1	1066.3	1067.6	1068.7	1070.0	1070.5	1070.4	1070.3	1070.2	1070.1	1070.5
140°	1097.5	1098.9	1100.3	1101.6	1103.0	1103.5	1103.0	1102.5	1102.1	1101.6	1101.9
142.5°	1128.2	1129.5	1131.0	1132.3	1133.7	1134.3	1134.3	1134.2	1134.1	1134.0	1133.6
145°	1173.1	1174.5	1175.9	1177.2	1178.7	1179.2	1179.0	1178.8	1178.6	1178.3	1178.3
147.5°	1210.2	1211.9	1213.5	1215.2	1216.8	1217.5	1217.3	1217.0	1216.7	1216.5	1216.2
150°	1234.3	1236.1	1238.0	1239.8	1241.6	1242.3	1241.9	1241.4	1240.9	1240.5	1240.0
152.5°	1256.7	1258.3	1260.0	1261.6	1263.3	1263.9	1263.5	1262.9	1262.5	1262.0	1261.6
155°	1286.1	1287.9	1289.8	1291.6	1293.4	1294.1	1293.3	1292.6	1292.0	1291.3	1290.8
157.5°	1310.7	1312.6	1314.5	1316.3	1318.1	1318.7	1317.9	1317.2	1316.4	1315.7	1315.7
160°	1326.5	1328.4	1330.2	1332.0	1333.9	1334.4	1333.4	1332.5	1331.6	1330.6	1330.4
162.5°	1340.6	1342.6	1344.6	1346.7	1348.7	1349.1	1347.8	1346.5	1345.2	1343.9	1343.7
165°	1359.7	1361.5	1363.3	1365.2	1367.0	1367.3	1365.9	1364.5	1363.2	1361.7	1361.5
167.5°	1373.0	1375.0	1377.1	1379.1	1381.3	1381.4	1379.7	1378.1	1376.4	1374.8	1374.6
170°	1380.4	1382.5	1384.6	1386.6	1388.7	1388.8	1387.0	1385.1	1383.3	1381.4	1381.2
172.5°	1385.4	1387.4	1389.6	1391.6	1393.7	1393.8	1392.2	1390.5	1388.9	1387.2	1386.8
175°	1391.8	1393.8	1396.0	1398.0	1400.1	1400.2	1398.4	1396.5	1394.6	1392.9	1392.6
177.5°	1395.5	1397.0	1398.5	1400.0	1401.4	1401.5	1400.3	1398.9	1397.7	1396.3	1396.2
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1506.5	1503.2	1496.9	1491.1	1483.9	1477.7	1473.4	1468.0	1461.3	1453.1	1446.4
5°	1573.2	1560.0	1542.6	1527.5	1508.2	1493.2	1477.6	1462.5	1447.4	1428.2	1411.3
7.5°	1647.2	1619.8	1593.2	1559.8	1529.5	1502.4	1476.3	1450.0	1424.2	1396.9	1370.6
10°	1692.4	1659.3	1622.6	1580.5	1541.9	1505.2	1471.5	1438.4	1403.6	1372.8	1339.7
12.5°	1734.8	1692.0	1650.0	1596.9	1550.6	1505.7	1462.9	1421.6	1384.3	1344.4	1308.9
15°	1773.1	1730.9	1684.0	1619.0	1554.6	1500.4	1449.8	1396.3	1350.0	1305.4	1265.7
17.5°	1787.9	1743.7	1689.2	1626.7	1556.3	1488.2	1423.0	1364.3	1309.7	1257.8	1213.2
20°	1782.1	1739.4	1683.4	1623.8	1548.5	1477.6	1407.1	1342.1	1281.4	1226.5	1179.0
22.5°	1768.1	1723.9	1669.9	1607.0	1535.5	1460.2	1385.0	1315.6	1252.0	1195.2	1143.4
25°	1747.2	1687.0	1631.7	1570.2	1502.3	1427.6	1350.0	1273.5	1205.5	1147.7	1091.2
27.5°	1725.4	1650.3	1579.8	1518.9	1447.0	1380.4	1305.6	1227.2	1155.7	1096.8	1038.8
30°	1705.7	1621.4	1543.7	1474.5	1406.5	1343.4	1272.3	1195.9	1122.5	1061.7	1002.7
32.5°	1681.1	1591.5	1506.2	1426.4	1360.8	1298.1	1233.8	1160.7	1089.2	1026.5	966.6
35°	1650.3	1536.0	1443.2	1358.3	1285.6	1224.8	1167.0	1108.0	1036.4	971.4	913.0
37.5°	1609.8	1480.1	1372.8	1280.4	1203.5	1142.5	1096.9	1043.0	977.7	915.4	861.2
40°	1585.3	1439.7	1322.2	1230.8	1150.1	1085.7	1043.0	997.3	937.7	879.3	825.1
42.5°	1552.6	1402.6	1271.2	1175.9	1094.8	1032.8	989.5	949.6	899.6	844.6	786.6
45°	1488.4	1330.7	1192.8	1090.6	1008.7	947.9	907.6	872.1	834.2	783.6	733.1
47.5°	1404.8	1255.7	1111.5	999.8	919.6	863.2	824.0	796.0	768.9	725.9	676.8
50°	1337.9	1194.1	1053.2	944.9	859.4	805.8	769.2	746.9	722.2	683.1	642.2
52.5°	1258.9	1130.5	992.6	881.8	801.2	751.0	715.7	693.5	673.2	641.2	602.2
55°	1134.5	1022.0	895.5	795.0	721.0	670.5	636.8	615.7	603.7	576.6	545.9
57.5°	990.9	910.3	798.8	701.9	636.4	586.5	561.8	543.9	530.2	511.1	489.5
60°	890.7	834.2	734.2	642.2	582.0	534.4	512.2	497.1	484.5	468.2	451.4
62.5°	789.2	748.0	661.1	582.0	526.6	486.8	465.9	452.4	437.8	426.9	410.5
65°	653.0	616.3	556.1	494.1	443.0	411.1	396.0	384.0	375.0	362.9	351.5
67.5°	508.0	493.0	451.5	408.8	372.0	343.7	330.6	322.3	311.4	304.2	296.3
70°	418.9	411.7	382.2	353.9	319.6	300.3	288.3	284.6	271.4	264.2	258.8
72.5°	339.9	336.5	319.6	300.0	275.8	259.0	247.8	243.8	235.3	229.5	226.0
75°	232.9	234.2	231.1	218.5	209.5	198.6	189.0	186.5	180.6	175.8	172.7
77.5°	147.3	153.5	153.7	153.1	149.5	142.9	138.9	137.1	131.2	129.4	128.7
80°	101.1	107.7	113.8	113.2	111.9	110.1	107.1	105.3	102.3	100.5	99.3
82.5°	67.4	73.6	78.6	81.9	81.6	79.8	77.8	77.0	76.3	75.0	74.7
85°	31.9	33.1	34.9	39.1	42.1	42.7	42.1	41.6	39.7	40.3	40.9
87.5°	13.7	13.5	13.6	13.2	12.4	14.4	15.5	15.6	15.0	14.4	13.8
90°	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1	2.9	4.7	6.6
92.5°	13.7	12.3	10.9	10.8	12.1	13.4	14.7	16.0	14.7	13.4	12.1
95°	34.1	42.8	51.6	56.3	57.0	57.7	58.4	59.0	58.4	57.7	57.0
97.5°	85.6	102.9	120.3	128.3	127.1	125.8	124.6	123.3	124.6	125.8	127.1
100°	178.5	177.5	176.6	175.8	175.1	174.4	173.8	173.1	173.8	174.4	175.1
102.5°	229.0	228.4	227.8	227.1	226.2	225.4	224.5	223.6	224.5	225.4	226.2
105°	308.8	308.8	308.8	308.4	307.5	306.5	305.6	304.7	305.6	306.5	307.5
107.5°	389.9	389.5	389.1	388.9	388.9	388.9	388.9	388.9	388.9	388.9	388.9
110°	444.7	444.3	443.8	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5





TEST NUMBER: P333604-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	498.1	497.8	497.6	497.1	496.6	496.1	495.5	495.0	495.5	496.1	496.6
115°	577.8	577.6	577.4	576.7	575.5	574.4	573.2	572.0	573.2	574.4	575.5
117.5°	653.8	653.0	652.1	651.7	651.8	651.8	651.8	651.8	651.8	651.8	651.8
120°	702.3	701.6	700.9	700.7	700.9	701.2	701.3	701.6	701.3	701.2	700.9
122.5°	750.3	749.9	749.7	749.0	748.1	747.3	746.5	745.6	746.5	747.3	748.1
125°	820.7	820.7	820.7	819.9	818.3	816.7	815.1	813.5	815.1	816.7	818.3
127.5°	883.2	883.3	883.5	883.0	881.8	880.7	879.6	878.4	879.6	880.7	881.8
130°	924.0	923.7	923.5	922.8	921.7	920.5	919.4	918.2	919.4	920.5	921.7
132.5°	962.7	963.2	963.8	963.3	962.0	960.6	959.3	958.0	959.3	960.6	962.0
135°	1019.7	1020.1	1020.6	1020.1	1018.7	1017.4	1015.9	1014.6	1015.9	1017.4	1018.7
137.5°	1070.9	1071.4	1071.7	1071.4	1070.1	1069.0	1067.8	1066.6	1067.8	1069.0	1070.1
140°	1102.1	1102.3	1102.5	1102.4	1102.0	1101.5	1101.1	1100.5	1101.1	1101.5	1102.0
142.5°	1133.3	1133.0	1132.7	1132.4	1132.1	1131.8	1131.5	1131.2	1131.5	1131.8	1132.1
145°	1178.3	1178.3	1178.3	1178.0	1177.6	1177.1	1176.7	1176.3	1176.7	1177.1	1177.6
147.5°	1215.8	1215.6	1215.3	1215.2	1215.3	1215.4	1215.5	1215.6	1215.5	1215.4	1215.3
150°	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.0	1239.6	1239.1
152.5°	1261.1	1260.7	1260.2	1260.4	1261.5	1262.5	1263.6	1264.5	1263.6	1262.5	1261.5
155°	1290.3	1289.9	1289.4	1289.9	1291.3	1292.6	1294.1	1295.4	1294.1	1292.6	1291.3
157.5°	1315.6	1315.6	1315.5	1315.9	1316.8	1317.6	1318.4	1319.3	1318.4	1317.6	1316.8
160°	1330.2	1330.0	1329.7	1330.3	1331.7	1333.1	1334.4	1335.9	1334.4	1333.1	1331.7
162.5°	1343.5	1343.2	1343.0	1343.5	1345.0	1346.3	1347.7	1349.1	1347.7	1346.3	1345.0
165°	1361.3	1361.0	1360.8	1361.4	1362.8	1364.1	1365.6	1366.9	1365.6	1364.1	1362.8
167.5°	1374.3	1374.1	1373.9	1374.5	1375.9	1377.3	1378.8	1380.2	1378.8	1377.3	1375.9
170°	1381.0	1380.7	1380.5	1381.2	1382.8	1384.4	1386.1	1387.7	1386.1	1384.4	1382.8
172.5°	1386.4	1386.0	1385.5	1386.2	1387.8	1389.4	1391.0	1392.6	1391.0	1389.4	1387.8
175°	1392.4	1392.1	1391.9	1392.5	1393.8	1395.3	1396.6	1398.0	1396.6	1395.3	1393.8
177.5°	1396.0	1395.8	1395.6	1396.1	1397.2	1398.3	1399.4	1400.5	1399.4	1398.3	1397.2
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333604-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1441.5	1434.9	1430.0	1420.4	1413.6	1410.8	1405.4	1404.0	1409.3	1405.4	1405.0
5°	1398.7	1381.3	1367.4	1353.5	1338.5	1328.9	1314.5	1312.1	1308.4	1303.0	1301.8
7.5°	1347.3	1324.5	1306.7	1283.9	1264.0	1248.0	1229.9	1221.4	1216.7	1209.7	1200.3
10°	1312.6	1285.6	1261.5	1238.6	1214.0	1194.1	1176.0	1162.2	1153.2	1144.7	1141.1
12.5°	1278.4	1250.9	1220.0	1192.4	1164.8	1142.5	1122.6	1113.6	1103.6	1093.7	1085.3
15°	1225.4	1188.7	1154.9	1123.0	1099.6	1075.5	1056.2	1043.0	1028.0	1023.8	1007.5
17.5°	1169.0	1133.0	1093.6	1060.0	1032.8	1006.3	985.1	970.1	958.8	943.3	935.8
20°	1133.9	1091.2	1052.7	1022.0	991.8	960.6	938.9	926.2	915.4	902.8	896.8
22.5°	1096.4	1054.5	1015.1	979.1	948.5	917.7	902.3	889.2	876.9	865.2	857.3
25°	1041.2	999.1	957.5	920.2	888.3	866.0	848.0	832.9	826.3	814.9	806.5
27.5°	986.7	941.9	898.8	861.6	836.6	814.6	799.8	787.8	775.9	765.9	758.6
30°	951.5	905.8	858.8	829.4	802.9	781.8	765.5	754.1	745.1	736.1	730.7
32.5°	916.4	869.2	827.5	795.7	770.6	752.4	735.7	724.8	715.2	705.3	698.8
35°	860.1	811.9	778.2	746.9	722.2	705.3	693.9	678.3	670.5	663.3	656.7
37.5°	807.7	762.9	726.5	699.0	677.5	660.8	646.0	637.6	627.9	621.4	615.9
40°	769.2	728.3	695.2	666.3	650.6	632.0	618.1	607.3	600.0	591.7	585.6
42.5°	734.5	696.4	664.3	638.3	618.8	603.1	589.7	578.9	569.7	563.7	558.7
45°	685.5	647.6	616.3	592.2	574.2	559.1	545.3	539.8	527.8	520.6	518.2
47.5°	634.8	600.9	570.7	548.5	530.0	515.8	502.7	491.7	485.1	478.0	474.1
50°	600.7	568.1	539.8	518.2	500.2	484.5	472.4	465.2	456.2	449.6	444.8
52.5°	566.5	536.4	508.1	487.4	471.7	456.1	442.6	435.4	426.9	422.6	419.3
55°	517.6	485.7	461.6	441.1	424.9	410.5	397.8	390.6	385.2	380.9	379.8
57.5°	462.3	436.9	414.6	396.1	379.2	365.7	354.6	347.8	343.0	342.3	338.8
60°	426.1	403.2	382.8	362.9	348.5	335.8	326.2	318.3	313.5	313.0	311.7
62.5°	390.0	368.1	349.1	331.6	318.6	306.5	297.3	288.6	285.6	282.7	280.0
65°	336.4	316.6	301.0	287.0	273.2	263.0	254.0	248.6	241.9	238.4	231.8
67.5°	283.8	268.4	253.4	241.7	230.9	221.1	213.7	205.6	201.2	198.2	193.4
70°	249.1	237.1	222.1	209.5	201.0	193.2	187.2	178.2	175.1	172.7	170.3
72.5°	216.4	205.8	193.2	183.0	174.5	167.2	160.2	156.0	153.0	150.6	149.2
75°	170.3	160.1	149.3	142.0	136.0	130.0	126.4	123.4	122.2	121.5	119.1
77.5°	125.1	119.7	111.0	105.2	101.2	98.8	95.6	94.0	93.9	91.2	90.4
80°	95.7	92.6	85.4	83.0	80.1	77.7	75.8	72.9	69.8	68.6	66.8
82.5°	71.2	68.1	65.3	61.3	58.9	57.4	55.6	54.5	54.9	53.2	52.3
85°	37.9	34.9	33.7	33.1	31.9	33.1	32.5	31.9	31.3	30.7	31.3
87.5°	13.7	14.1	13.9	15.2	14.1	14.9	15.1	14.9	15.1	15.3	15.0
90°	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9	20.1	21.2	22.1
92.5°	10.8	10.9	12.3	13.7	15.2	16.6	17.7	18.9	20.1	21.2	21.9
95°	56.3	51.6	42.8	34.1	25.3	16.6	17.7	18.9	20.1	21.2	21.8
97.5°	128.3	120.3	102.9	85.6	68.3	51.0	44.5	38.0	31.5	25.0	21.8
100°	175.8	176.6	177.5	178.5	179.4	180.3	146.0	111.7	77.4	43.1	25.4
102.5°	227.1	227.8	228.4	229.0	229.5	230.1	223.6	217.0	210.6	204.1	193.1
105°	308.4	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.8	308.7
107.5°	388.9	389.1	389.5	389.9	390.5	390.9	390.9	391.0	391.0	391.1	390.7
110°	443.5	443.8	444.3	444.7	445.1	445.6	445.0	444.3	443.5	442.8	442.6



TEST NUMBER: P333604-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	497.1	497.6	497.8	498.1	498.4	498.6	497.8	497.0	496.1	495.2	494.5
115°	576.7	577.4	577.6	577.8	578.0	578.3	577.4	576.4	575.5	574.6	573.5
117.5°	651.7	652.1	653.0	653.8	654.7	655.6	654.4	653.2	652.0	650.8	649.9
120°	700.7	700.9	701.6	702.3	702.9	703.6	703.2	702.8	702.3	701.9	701.1
122.5°	749.0	749.7	749.9	750.3	750.6	750.9	750.5	750.0	749.6	749.1	748.1
125°	819.9	820.7	820.7	820.7	820.7	820.7	819.8	818.9	818.0	817.1	816.3
127.5°	883.0	883.5	883.3	883.2	883.1	883.0	882.4	881.9	881.5	880.9	879.9
130°	922.8	923.5	923.7	924.0	924.2	924.4	923.7	923.0	922.3	921.7	920.7
132.5°	963.3	963.8	963.2	962.7	962.2	961.7	961.6	961.4	961.3	961.2	960.6
135°	1020.1	1020.6	1020.1	1019.7	1019.1	1018.7	1018.2	1017.8	1017.4	1016.9	1015.9
137.5°	1071.4	1071.7	1071.4	1070.9	1070.5	1070.1	1070.2	1070.3	1070.4	1070.5	1070.0
140°	1102.4	1102.5	1102.3	1102.1	1101.9	1101.6	1102.1	1102.5	1103.0	1103.5	1103.0
142.5°	1132.4	1132.7	1133.0	1133.3	1133.6	1134.0	1134.1	1134.2	1134.3	1134.3	1133.7
145°	1178.0	1178.3	1178.3	1178.3	1178.3	1178.3	1178.6	1178.8	1179.0	1179.2	1178.7
147.5°	1215.2	1215.3	1215.6	1215.8	1216.2	1216.5	1216.7	1217.0	1217.3	1217.5	1216.8
150°	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.9	1241.4	1241.9	1242.3	1241.6
152.5°	1260.4	1260.2	1260.7	1261.1	1261.6	1262.0	1262.5	1262.9	1263.5	1263.9	1263.3
155°	1289.9	1289.4	1289.9	1290.3	1290.8	1291.3	1292.0	1292.6	1293.3	1294.1	1293.4
157.5°	1315.9	1315.5	1315.6	1315.6	1315.7	1315.7	1316.4	1317.2	1317.9	1318.7	1318.1
160°	1330.3	1329.7	1330.0	1330.2	1330.4	1330.6	1331.6	1332.5	1333.4	1334.4	1333.9
162.5°	1343.5	1343.0	1343.2	1343.5	1343.7	1343.9	1345.2	1346.5	1347.8	1349.1	1348.7
165°	1361.4	1360.8	1361.0	1361.3	1361.5	1361.7	1363.2	1364.5	1365.9	1367.3	1367.0
167.5°	1374.5	1373.9	1374.1	1374.3	1374.6	1374.8	1376.4	1378.1	1379.7	1381.4	1381.3
170°	1381.2	1380.5	1380.7	1381.0	1381.2	1381.4	1383.3	1385.1	1387.0	1388.8	1388.7
172.5°	1386.2	1385.5	1386.0	1386.4	1386.8	1387.2	1388.9	1390.5	1392.2	1393.8	1393.7
175°	1392.5	1391.9	1392.1	1392.4	1392.6	1392.9	1394.6	1396.5	1398.4	1400.2	1400.1
177.5°	1396.1	1395.6	1395.8	1396.0	1396.2	1396.3	1397.7	1398.9	1400.3	1401.5	1401.4
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



TEST NUMBER: P333604-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1404.4	1399.2	1397.8	1399.6	1397.8	1399.2	1404.4	1405.0	1405.4	1409.3	1404.0
5°	1295.8	1289.8	1292.8	1291.6	1292.8	1289.8	1295.8	1301.8	1303.0	1308.4	1312.1
7.5°	1200.2	1192.8	1184.8	1187.3	1184.8	1192.8	1200.2	1200.3	1209.7	1216.7	1221.4
10°	1133.3	1127.3	1123.6	1126.7	1123.6	1127.3	1133.3	1141.1	1144.7	1153.2	1162.2
12.5°	1076.9	1073.4	1070.2	1068.9	1070.2	1073.4	1076.9	1085.3	1093.7	1103.6	1113.6
15°	1000.3	993.1	990.1	982.2	990.1	993.1	1000.3	1007.5	1023.8	1028.0	1043.0
17.5°	929.6	927.2	919.4	916.1	919.4	927.2	929.6	935.8	943.3	958.8	970.1
20°	887.7	885.3	877.5	882.3	877.5	885.3	887.7	896.8	902.8	915.4	926.2
22.5°	853.1	847.7	845.3	843.8	845.3	847.7	853.1	857.3	865.2	876.9	889.2
25°	804.1	796.2	793.3	789.6	793.3	796.2	804.1	806.5	814.9	826.3	832.9
27.5°	755.2	751.0	747.0	746.1	747.0	751.0	755.2	758.6	765.9	775.9	787.8
30°	723.4	719.3	716.2	716.2	716.2	719.3	723.4	730.7	736.1	745.1	754.1
32.5°	695.0	691.8	688.8	688.3	688.8	691.8	695.0	698.8	705.3	715.2	724.8
35°	653.6	648.8	647.6	644.0	647.6	648.8	653.6	656.7	663.3	670.5	678.3
37.5°	610.6	606.6	606.5	606.2	606.5	606.6	610.6	615.9	621.4	627.9	637.6
40°	583.2	580.1	579.6	575.3	579.6	580.1	583.2	585.6	591.7	600.0	607.3
42.5°	553.8	552.2	550.2	548.4	550.2	552.2	553.8	558.7	563.7	569.7	578.9
45°	514.0	509.8	509.8	506.8	509.8	509.8	514.0	518.2	520.6	527.8	539.8
47.5°	472.8	469.6	469.9	466.8	469.9	469.6	472.8	474.1	478.0	485.1	491.7
50°	445.4	443.5	443.0	441.8	443.0	443.5	445.4	444.8	449.6	456.2	465.2
52.5°	417.9	417.1	419.4	416.7	419.4	417.1	417.9	419.3	422.6	426.9	435.4
55°	380.9	379.2	382.8	379.2	382.8	379.2	380.9	379.8	380.9	385.2	390.6
57.5°	338.5	336.8	340.0	338.2	340.0	336.8	338.5	338.8	342.3	343.0	347.8
60°	310.6	306.9	308.7	309.3	308.7	306.9	310.6	311.7	313.0	313.5	318.3
62.5°	277.3	275.2	276.5	273.8	276.5	275.2	277.3	280.0	282.7	285.6	288.6
65°	230.5	228.7	226.3	225.1	226.3	228.7	230.5	231.8	238.4	241.9	248.6
67.5°	193.7	189.3	189.2	190.2	189.2	189.3	193.7	193.4	198.2	201.2	205.6
70°	166.7	166.7	166.1	166.1	166.1	166.7	166.7	170.3	172.7	175.1	178.2
72.5°	147.9	147.5	146.3	145.9	146.3	147.5	147.9	149.2	150.6	153.0	156.0
75°	119.1	119.8	118.6	118.0	118.6	119.8	119.1	119.1	121.5	122.2	123.4
77.5°	88.0	85.4	86.8	85.4	86.8	85.4	88.0	90.4	91.2	93.9	94.0
80°	66.8	66.2	68.0	66.2	68.0	66.2	66.8	66.8	68.6	69.8	72.9
82.5°	52.9	52.3	53.1	51.7	53.1	52.3	52.9	52.3	53.2	54.9	54.5
85°	31.9	31.3	30.7	31.3	30.7	31.3	31.9	31.3	30.7	31.3	31.9
87.5°	15.6	15.2	15.4	15.6	15.4	15.2	15.6	15.0	15.3	15.1	14.9
90°	22.8	23.5	24.2	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9
92.5°	22.2	22.6	22.9	23.2	22.9	22.6	22.2	21.9	21.2	20.1	18.9
95°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.2	20.1	18.9
97.5°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	25.0	31.5	38.0
100°	24.5	23.6	22.6	21.8	22.6	23.6	24.5	25.4	43.1	77.4	111.7
102.5°	177.4	161.7	146.1	130.4	146.1	161.7	177.4	193.1	204.1	210.6	217.0
105°	308.4	308.3	308.0	307.8	308.0	308.3	308.4	308.7	308.8	308.8	308.8
107.5°	390.0	389.4	388.7	388.0	388.7	389.4	390.0	390.7	391.1	391.0	391.0
110°	442.8	443.1	443.4	443.5	443.4	443.1	442.8	442.6	442.8	443.5	444.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	494.3	493.9	493.7	493.3	493.7	493.9	494.3	494.5	495.2	496.1	497.0
115°	572.0	570.7	569.3	567.9	569.3	570.7	572.0	573.5	574.6	575.5	576.4
117.5°	649.3	648.7	648.1	647.5	648.1	648.7	649.3	649.9	650.8	652.0	653.2
120°	699.9	698.7	697.6	696.4	697.6	698.7	699.9	701.1	701.9	702.3	702.8
122.5°	746.8	745.5	744.2	742.9	744.2	745.5	746.8	748.1	749.1	749.6	750.0
125°	815.6	814.9	814.2	813.5	814.2	814.9	815.6	816.3	817.1	818.0	818.9
127.5°	878.2	876.4	874.7	873.0	874.7	876.4	878.2	879.9	880.9	881.5	881.9
130°	919.5	918.5	917.3	916.1	917.3	918.5	919.5	920.7	921.7	922.3	923.0
132.5°	959.4	958.2	957.1	955.9	957.1	958.2	959.4	960.6	961.2	961.3	961.4
135°	1014.6	1013.2	1011.8	1010.4	1011.8	1013.2	1014.6	1015.9	1016.9	1017.4	1017.8
137.5°	1068.7	1067.6	1066.3	1065.1	1066.3	1067.6	1068.7	1070.0	1070.5	1070.4	1070.3
140°	1101.6	1100.3	1098.9	1097.5	1098.9	1100.3	1101.6	1103.0	1103.5	1103.0	1102.5
142.5°	1132.3	1131.0	1129.5	1128.2	1129.5	1131.0	1132.3	1133.7	1134.3	1134.3	1134.2
145°	1177.2	1175.9	1174.5	1173.1	1174.5	1175.9	1177.2	1178.7	1179.2	1179.0	1178.8
147.5°	1215.2	1213.5	1211.9	1210.2	1211.9	1213.5	1215.2	1216.8	1217.5	1217.3	1217.0
150°	1239.8	1238.0	1236.1	1234.3	1236.1	1238.0	1239.8	1241.6	1242.3	1241.9	1241.4
152.5°	1261.6	1260.0	1258.3	1256.7	1258.3	1260.0	1261.6	1263.3	1263.9	1263.5	1262.9
155°	1291.6	1289.8	1287.9	1286.1	1287.9	1289.8	1291.6	1293.4	1294.1	1293.3	1292.6
157.5°	1316.3	1314.5	1312.6	1310.7	1312.6	1314.5	1316.3	1318.1	1318.7	1317.9	1317.2
160°	1332.0	1330.2	1328.4	1326.5	1328.4	1330.2	1332.0	1333.9	1334.4	1333.4	1332.5
162.5°	1346.7	1344.6	1342.6	1340.6	1342.6	1344.6	1346.7	1348.7	1349.1	1347.8	1346.5
165°	1365.2	1363.3	1361.5	1359.7	1361.5	1363.3	1365.2	1367.0	1367.3	1365.9	1364.5
167.5°	1379.1	1377.1	1375.0	1373.0	1375.0	1377.1	1379.1	1381.3	1381.4	1379.7	1378.1
170°	1386.6	1384.6	1382.5	1380.4	1382.5	1384.6	1386.6	1388.7	1388.8	1387.0	1385.1
172.5°	1391.6	1389.6	1387.4	1385.4	1387.4	1389.6	1391.6	1393.7	1393.8	1392.2	1390.5
175°	1398.0	1396.0	1393.8	1391.8	1393.8	1396.0	1398.0	1400.1	1400.2	1398.4	1396.5
177.5°	1400.0	1398.5	1397.0	1395.5	1397.0	1398.5	1400.0	1401.4	1401.5	1400.3	1398.9
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1405.4	1410.8	1413.6	1420.4	1430.0	1434.9	1441.5	1446.4	1453.1	1461.3	1468.0
5°	1314.5	1328.9	1338.5	1353.5	1367.4	1381.3	1398.7	1411.3	1428.2	1447.4	1462.5
7.5°	1229.9	1248.0	1264.0	1283.9	1306.7	1324.5	1347.3	1370.6	1396.9	1424.2	1450.0
10°	1176.0	1194.1	1214.0	1238.6	1261.5	1285.6	1312.6	1339.7	1372.8	1403.6	1438.4
12.5°	1122.6	1142.5	1164.8	1192.4	1220.0	1250.9	1278.4	1308.9	1344.4	1384.3	1421.6
15°	1056.2	1075.5	1099.6	1123.0	1154.9	1188.7	1225.4	1265.7	1305.4	1350.0	1396.3
17.5°	985.1	1006.3	1032.8	1060.0	1093.6	1133.0	1169.0	1213.2	1257.8	1309.7	1364.3
20°	938.9	960.6	991.8	1022.0	1052.7	1091.2	1133.9	1179.0	1226.5	1281.4	1342.1
22.5°	902.3	917.7	948.5	979.1	1015.1	1054.5	1096.4	1143.4	1195.2	1252.0	1315.6
25°	848.0	866.0	888.3	920.2	957.5	999.1	1041.2	1091.2	1147.7	1205.5	1273.5
27.5°	799.8	814.6	836.6	861.6	898.8	941.9	986.7	1038.8	1096.8	1155.7	1227.2
30°	765.5	781.8	802.9	829.4	858.8	905.8	951.5	1002.7	1061.7	1122.5	1195.9
32.5°	735.7	752.4	770.6	795.7	827.5	869.2	916.4	966.6	1026.5	1089.2	1160.7
35°	693.9	705.3	722.2	746.9	778.2	811.9	860.1	913.0	971.4	1036.4	1108.0
37.5°	646.0	660.8	677.5	699.0	726.5	762.9	807.7	861.2	915.4	977.7	1043.0
40°	618.1	632.0	650.6	666.3	695.2	728.3	769.2	825.1	879.3	937.7	997.3
42.5°	589.7	603.1	618.8	638.3	664.3	696.4	734.5	786.6	844.6	899.6	949.6
45°	545.3	559.1	574.2	592.2	616.3	647.6	685.5	733.1	783.6	834.2	872.1
47.5°	502.7	515.8	530.0	548.5	570.7	600.9	634.8	676.8	725.9	768.9	796.0
50°	472.4	484.5	500.2	518.2	539.8	568.1	600.7	642.2	683.1	722.2	746.9
52.5°	442.6	456.1	471.7	487.4	508.1	536.4	566.5	602.2	641.2	673.2	693.5
55°	397.8	410.5	424.9	441.1	461.6	485.7	517.6	545.9	576.6	603.7	615.7
57.5°	354.6	365.7	379.2	396.1	414.6	436.9	462.3	489.5	511.1	530.2	543.9
60°	326.2	335.8	348.5	362.9	382.8	403.2	426.1	451.4	468.2	484.5	497.1
62.5°	297.3	306.5	318.6	331.6	349.1	368.1	390.0	410.5	426.9	437.8	452.4
65°	254.0	263.0	273.2	287.0	301.0	316.6	336.4	351.5	362.9	375.0	384.0
67.5°	213.7	221.1	230.9	241.7	253.4	268.4	283.8	296.3	304.2	311.4	322.3
70°	187.2	193.2	201.0	209.5	222.1	237.1	249.1	258.8	264.2	271.4	284.6
72.5°	160.2	167.2	174.5	183.0	193.2	205.8	216.4	226.0	229.5	235.3	243.8
75°	126.4	130.0	136.0	142.0	149.3	160.1	170.3	172.7	175.8	180.6	186.5
77.5°	95.6	98.8	101.2	105.2	111.0	119.7	125.1	128.7	129.4	131.2	137.1
80°	75.8	77.7	80.1	83.0	85.4	92.6	95.7	99.3	100.5	102.3	105.3
82.5°	55.6	57.4	58.9	61.3	65.3	68.1	71.2	74.7	75.0	76.3	77.0
85°	32.5	33.1	31.9	33.1	33.7	34.9	37.9	40.9	40.3	39.7	41.6
87.5°	15.1	14.9	14.1	15.2	13.9	14.1	13.7	13.8	14.4	15.0	15.6
90°	17.7	16.6	15.0	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1
92.5°	17.7	16.6	15.2	13.7	12.3	10.9	10.8	12.1	13.4	14.7	16.0
95°	17.7	16.6	25.3	34.1	42.8	51.6	56.3	57.0	57.7	58.4	59.0
97.5°	44.5	51.0	68.3	85.6	102.9	120.3	128.3	127.1	125.8	124.6	123.3
100°	146.0	180.3	179.4	178.5	177.5	176.6	175.8	175.1	174.4	173.8	173.1
102.5°	223.6	230.1	229.5	229.0	228.4	227.8	227.1	226.2	225.4	224.5	223.6
105°	308.8	308.8	308.8	308.8	308.8	308.8	308.4	307.5	306.5	305.6	304.7
107.5°	390.9	390.9	390.5	389.9	389.5	389.1	388.9	388.9	388.9	388.9	388.9
110°	445.0	445.6	445.1	444.7	444.3	443.8	443.5	443.5	443.5	443.5	443.5



TEST NUMBER: P333604-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	497.8	498.6	498.4	498.1	497.8	497.6	497.1	496.6	496.1	495.5	495.0
115°	577.4	578.3	578.0	577.8	577.6	577.4	576.7	575.5	574.4	573.2	572.0
117.5°	654.4	655.6	654.7	653.8	653.0	652.1	651.7	651.8	651.8	651.8	651.8
120°	703.2	703.6	702.9	702.3	701.6	700.9	700.7	700.9	701.2	701.3	701.6
122.5°	750.5	750.9	750.6	750.3	749.9	749.7	749.0	748.1	747.3	746.5	745.6
125°	819.8	820.7	820.7	820.7	820.7	820.7	819.9	818.3	816.7	815.1	813.5
127.5°	882.4	883.0	883.1	883.2	883.3	883.5	883.0	881.8	880.7	879.6	878.4
130°	923.7	924.4	924.2	924.0	923.7	923.5	922.8	921.7	920.5	919.4	918.2
132.5°	961.6	961.7	962.2	962.7	963.2	963.8	963.3	962.0	960.6	959.3	958.0
135°	1018.2	1018.7	1019.1	1019.7	1020.1	1020.6	1020.1	1018.7	1017.4	1015.9	1014.6
137.5°	1070.2	1070.1	1070.5	1070.9	1071.4	1071.7	1071.4	1070.1	1069.0	1067.8	1066.6
140°	1102.1	1101.6	1101.9	1102.1	1102.3	1102.5	1102.4	1102.0	1101.5	1101.1	1100.5
142.5°	1134.1	1134.0	1133.6	1133.3	1133.0	1132.7	1132.4	1132.1	1131.8	1131.5	1131.2
145°	1178.6	1178.3	1178.3	1178.3	1178.3	1178.3	1178.0	1177.6	1177.1	1176.7	1176.3
147.5°	1216.7	1216.5	1216.2	1215.8	1215.6	1215.3	1215.2	1215.3	1215.4	1215.5	1215.6
150°	1240.9	1240.5	1240.0	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5
152.5°	1262.5	1262.0	1261.6	1261.1	1260.7	1260.2	1260.4	1261.5	1262.5	1263.6	1264.5
155°	1292.0	1291.3	1290.8	1290.3	1289.9	1289.4	1289.9	1291.3	1292.6	1294.1	1295.4
157.5°	1316.4	1315.7	1315.7	1315.6	1315.6	1315.5	1315.9	1316.8	1317.6	1318.4	1319.3
160°	1331.6	1330.6	1330.4	1330.2	1330.0	1329.7	1330.3	1331.7	1333.1	1334.4	1335.9
162.5°	1345.2	1343.9	1343.7	1343.5	1343.2	1343.0	1343.5	1345.0	1346.3	1347.7	1349.1
165°	1363.2	1361.7	1361.5	1361.3	1361.0	1360.8	1361.4	1362.8	1364.1	1365.6	1366.9
167.5°	1376.4	1374.8	1374.6	1374.3	1374.1	1373.9	1374.5	1375.9	1377.3	1378.8	1380.2
170°	1383.3	1381.4	1381.2	1381.0	1380.7	1380.5	1381.2	1382.8	1384.4	1386.1	1387.7
172.5°	1388.9	1387.2	1386.8	1386.4	1386.0	1385.5	1386.2	1387.8	1389.4	1391.0	1392.6
175°	1394.6	1392.9	1392.6	1392.4	1392.1	1391.9	1392.5	1393.8	1395.3	1396.6	1398.0
177.5°	1397.7	1396.3	1396.2	1396.0	1395.8	1395.6	1396.1	1397.2	1398.3	1399.4	1400.5
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1473.4	1477.7	1483.9	1491.1	1496.9	1503.2	1506.5	1506.5	1509.5	1515.7	1523.9
5°	1477.6	1493.2	1508.2	1527.5	1542.6	1560.0	1573.2	1585.9	1597.3	1611.8	1626.8
7.5°	1476.3	1502.4	1529.5	1559.8	1593.2	1619.8	1647.2	1668.6	1689.8	1717.4	1739.2
10°	1471.5	1505.2	1541.9	1580.5	1622.6	1659.3	1692.4	1722.5	1751.4	1781.5	1808.6
12.5°	1462.9	1505.7	1550.6	1596.9	1650.0	1692.0	1734.8	1766.8	1800.5	1833.4	1866.8
15°	1449.8	1500.4	1554.6	1619.0	1684.0	1730.9	1773.1	1814.6	1845.8	1883.2	1915.1
17.5°	1423.0	1488.2	1556.3	1626.7	1689.2	1743.7	1787.9	1827.4	1860.7	1901.8	1945.1
20°	1407.1	1477.6	1548.5	1623.8	1683.4	1739.4	1782.1	1823.0	1864.6	1918.1	1971.0
22.5°	1385.0	1460.2	1535.5	1607.0	1669.9	1723.9	1768.1	1818.2	1872.7	1933.5	1997.5
25°	1350.0	1427.6	1502.3	1570.2	1631.7	1687.0	1747.2	1814.6	1880.8	1960.9	2052.9
27.5°	1305.6	1380.4	1447.0	1518.9	1579.8	1650.3	1725.4	1798.5	1893.9	2004.0	2119.0
30°	1272.3	1343.4	1406.5	1474.5	1543.7	1621.4	1705.7	1791.7	1905.5	2034.9	2171.5
32.5°	1233.8	1298.1	1360.8	1426.4	1506.2	1591.5	1681.1	1786.5	1922.4	2069.6	2211.0
35°	1167.0	1224.8	1285.6	1358.3	1443.2	1536.0	1650.3	1778.5	1942.8	2101.0	2228.0
37.5°	1096.9	1142.5	1203.5	1280.4	1372.8	1480.1	1609.8	1765.6	1934.4	2076.3	2130.5
40°	1043.0	1085.7	1150.1	1230.8	1322.2	1439.7	1585.3	1745.3	1915.1	2013.8	2009.6
42.5°	989.5	1032.8	1094.8	1175.9	1271.2	1402.6	1552.6	1718.9	1862.2	1899.7	1821.3
45°	907.6	947.9	1008.7	1090.6	1192.8	1330.7	1488.4	1647.9	1739.4	1678.6	1523.3
47.5°	824.0	863.2	919.6	999.8	1111.5	1255.7	1404.8	1535.7	1548.5	1418.0	1231.7
50°	769.2	805.8	859.4	944.9	1053.2	1194.1	1337.9	1440.8	1408.9	1249.5	1057.5
52.5°	715.7	751.0	801.2	881.8	992.6	1130.5	1258.9	1339.7	1266.0	1096.4	923.6
55°	636.8	670.5	721.0	795.0	895.5	1022.0	1134.5	1164.0	1055.6	884.8	745.1
57.5°	561.8	586.5	636.4	701.9	798.8	910.3	990.9	985.6	866.0	712.1	612.0
60°	512.2	534.4	582.0	642.2	734.2	834.2	890.7	866.7	745.7	618.7	522.4
62.5°	465.9	486.8	526.6	582.0	661.1	748.0	789.2	755.9	641.7	530.1	453.5
65°	396.0	411.1	443.0	494.1	556.1	616.3	653.0	604.2	503.2	418.9	361.1
67.5°	330.6	343.7	372.0	408.8	451.5	493.0	508.0	462.3	383.6	326.8	286.1
70°	288.3	300.3	319.6	353.9	382.2	411.7	418.9	378.0	312.4	269.0	243.8
72.5°	247.8	259.0	275.8	300.0	319.6	336.5	339.9	301.9	251.7	221.9	202.3
75°	189.0	198.6	209.5	218.5	231.1	234.2	232.9	203.4	176.4	156.5	145.6
77.5°	138.9	142.9	149.5	153.1	153.7	153.5	147.3	128.7	114.7	106.6	102.1
80°	107.1	110.1	111.9	113.2	113.8	107.7	101.1	89.7	84.9	80.1	74.6
82.5°	77.8	79.8	81.6	81.9	78.6	73.6	67.4	61.7	58.4	56.0	53.9
85°	42.1	42.7	42.1	39.1	34.9	33.1	31.9	30.7	30.1	29.5	29.5
87.5°	15.5	14.4	12.4	13.2	13.6	13.5	13.7	13.6	13.5	13.6	13.9
90°	2.9	4.7	6.6	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9
92.5°	14.7	13.4	12.1	10.8	10.9	12.3	13.7	15.2	16.6	17.7	18.9
95°	58.4	57.7	57.0	56.3	51.6	42.8	34.1	25.3	16.6	17.7	18.9
97.5°	124.6	125.8	127.1	128.3	120.3	102.9	85.6	68.3	51.0	44.5	38.0
100°	173.8	174.4	175.1	175.8	176.6	177.5	178.5	179.4	180.3	146.0	111.7
102.5°	224.5	225.4	226.2	227.1	227.8	228.4	229.0	229.5	230.1	223.6	217.0
105°	305.6	306.5	307.5	308.4	308.8	308.8	308.8	308.8	308.8	308.8	308.8
107.5°	388.9	388.9	388.9	388.9	389.1	389.5	389.9	390.5	390.9	390.9	391.0
110°	443.5	443.5	443.5	443.5	443.8	444.3	444.7	445.1	445.6	445.0	444.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	495.5	496.1	496.6	497.1	497.6	497.8	498.1	498.4	498.6	497.8	497.0
115°	573.2	574.4	575.5	576.7	577.4	577.6	577.8	578.0	578.3	577.4	576.4
117.5°	651.8	651.8	651.8	651.7	652.1	653.0	653.8	654.7	655.6	654.4	653.2
120°	701.3	701.2	700.9	700.7	700.9	701.6	702.3	702.9	703.6	703.2	702.8
122.5°	746.5	747.3	748.1	749.0	749.7	749.9	750.3	750.6	750.9	750.5	750.0
125°	815.1	816.7	818.3	819.9	820.7	820.7	820.7	820.7	820.7	819.8	818.9
127.5°	879.6	880.7	881.8	883.0	883.5	883.3	883.2	883.1	883.0	882.4	881.9
130°	919.4	920.5	921.7	922.8	923.5	923.7	924.0	924.2	924.4	923.7	923.0
132.5°	959.3	960.6	962.0	963.3	963.8	963.2	962.7	962.2	961.7	961.6	961.4
135°	1015.9	1017.4	1018.7	1020.1	1020.6	1020.1	1019.7	1019.1	1018.7	1018.2	1017.8
137.5°	1067.8	1069.0	1070.1	1071.4	1071.7	1071.4	1070.9	1070.5	1070.1	1070.2	1070.3
140°	1101.1	1101.5	1102.0	1102.4	1102.5	1102.3	1102.1	1101.9	1101.6	1102.1	1102.5
142.5°	1131.5	1131.8	1132.1	1132.4	1132.7	1133.0	1133.3	1133.6	1134.0	1134.1	1134.2
145°	1176.7	1177.1	1177.6	1178.0	1178.3	1178.3	1178.3	1178.3	1178.3	1178.6	1178.8
147.5°	1215.5	1215.4	1215.3	1215.2	1215.3	1215.6	1215.8	1216.2	1216.5	1216.7	1217.0
150°	1240.0	1239.6	1239.1	1238.7	1238.7	1239.1	1239.6	1240.0	1240.5	1240.9	1241.4
152.5°	1263.6	1262.5	1261.5	1260.4	1260.2	1260.7	1261.1	1261.6	1262.0	1262.5	1262.9
155°	1294.1	1292.6	1291.3	1289.9	1289.4	1289.9	1290.3	1290.8	1291.3	1292.0	1292.6
157.5°	1318.4	1317.6	1316.8	1315.9	1315.5	1315.6	1315.6	1315.7	1315.7	1316.4	1317.2
160°	1334.4	1333.1	1331.7	1330.3	1329.7	1330.0	1330.2	1330.4	1330.6	1331.6	1332.5
162.5°	1347.7	1346.3	1345.0	1343.5	1343.0	1343.2	1343.5	1343.7	1343.9	1345.2	1346.5
165°	1365.6	1364.1	1362.8	1361.4	1360.8	1361.0	1361.3	1361.5	1361.7	1363.2	1364.5
167.5°	1378.8	1377.3	1375.9	1374.5	1373.9	1374.1	1374.3	1374.6	1374.8	1376.4	1378.1
170°	1386.1	1384.4	1382.8	1381.2	1380.5	1380.7	1381.0	1381.2	1381.4	1383.3	1385.1
172.5°	1391.0	1389.4	1387.8	1386.2	1385.5	1386.0	1386.4	1386.8	1387.2	1388.9	1390.5
175°	1396.6	1395.3	1393.8	1392.5	1391.9	1392.1	1392.4	1392.6	1392.9	1394.6	1396.5
177.5°	1399.4	1398.3	1397.2	1396.1	1395.6	1395.8	1396.0	1396.2	1396.3	1397.7	1398.9
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1530.2	1530.2	1538.4	1537.8	1543.2	1541.2	1542.2
5°	1644.8	1655.1	1664.1	1670.2	1679.2	1681.6	1680.3
7.5°	1763.8	1786.5	1797.6	1812.8	1815.5	1823.5	1822.7
10°	1837.5	1859.8	1876.6	1889.8	1896.4	1904.9	1905.5
12.5°	1895.2	1914.1	1929.0	1941.3	1949.4	1952.0	1953.6
15°	1940.4	1961.4	1978.9	1996.4	2006.6	2014.4	2018.7
17.5°	1985.8	2018.4	2049.2	2072.9	2087.1	2099.2	2099.0
20°	2021.1	2058.3	2096.9	2124.0	2151.6	2163.6	2165.4
22.5°	2058.6	2115.7	2165.3	2207.3	2243.5	2256.1	2260.8
25°	2136.5	2211.2	2287.7	2346.6	2388.7	2413.4	2417.1
27.5°	2230.8	2331.8	2412.3	2466.7	2501.7	2520.0	2523.9
30°	2297.3	2390.6	2462.8	2503.7	2520.0	2522.4	2513.4
32.5°	2327.1	2396.8	2425.7	2423.3	2391.4	2370.3	2362.1
35°	2290.6	2276.2	2205.8	2121.6	2057.2	2016.2	2005.4
37.5°	2084.6	1960.0	1830.5	1703.2	1635.4	1600.9	1541.7
40°	1881.4	1703.9	1569.1	1461.9	1385.5	1324.1	1309.7
42.5°	1652.3	1468.9	1334.1	1242.3	1181.3	1139.2	1120.9
45°	1327.7	1170.0	1058.6	988.3	941.3	910.6	896.8
47.5°	1061.9	939.9	858.7	806.6	770.9	744.1	736.6
50°	916.1	818.5	749.9	706.0	678.9	658.4	650.0
52.5°	795.7	716.9	664.2	627.9	602.4	589.6	582.6
55°	656.7	588.6	550.7	521.8	507.4	497.1	492.3
57.5°	537.0	487.9	460.2	440.2	426.9	420.4	417.9
60°	470.0	431.5	406.3	390.6	381.6	373.2	370.8
62.5°	410.8	380.5	361.0	347.2	338.2	334.7	333.1
65°	331.0	311.1	296.7	288.3	281.1	279.8	279.3
67.5°	263.1	251.5	243.9	235.1	232.6	228.4	227.5
70°	225.1	217.3	208.2	205.3	202.2	198.0	198.6
72.5°	190.9	183.1	176.9	173.0	171.9	170.0	171.7
75°	139.6	137.2	134.8	131.8	130.6	130.6	130.0
77.5°	99.7	97.6	95.0	93.2	92.8	90.2	91.2
80°	72.2	69.2	68.0	68.6	66.8	66.2	66.2
82.5°	53.4	52.3	51.2	51.3	50.9	50.3	50.8
85°	29.5	28.9	28.9	28.3	28.3	27.6	27.6
87.5°	14.6	15.3	14.5	14.2	14.4	15.0	15.6
90°	20.1	21.2	22.1	22.8	23.5	24.2	24.9
92.5°	20.1	21.2	21.9	22.2	22.6	22.9	23.2
95°	20.1	21.2	21.8	21.8	21.8	21.8	21.8
97.5°	31.5	25.0	21.8	21.8	21.8	21.8	21.8
100°	77.4	43.1	25.4	24.5	23.6	22.6	21.8
102.5°	210.6	204.1	193.1	177.4	161.7	146.1	130.4
105°	308.8	308.8	308.7	308.4	308.3	308.0	307.8
107.5°	391.0	391.1	390.7	390.0	389.4	388.7	388.0
110°	443.5	442.8	442.6	442.8	443.1	443.4	443.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	496.1	495.2	494.5	494.3	493.9	493.7	493.3
115°	575.5	574.6	573.5	572.0	570.7	569.3	567.9
117.5°	652.0	650.8	649.9	649.3	648.7	648.1	647.5
120°	702.3	701.9	701.1	699.9	698.7	697.6	696.4
122.5°	749.6	749.1	748.1	746.8	745.5	744.2	742.9
125°	818.0	817.1	816.3	815.6	814.9	814.2	813.5
127.5°	881.5	880.9	879.9	878.2	876.4	874.7	873.0
130°	922.3	921.7	920.7	919.5	918.5	917.3	916.1
132.5°	961.3	961.2	960.6	959.4	958.2	957.1	955.9
135°	1017.4	1016.9	1015.9	1014.6	1013.2	1011.8	1010.4
137.5°	1070.4	1070.5	1070.0	1068.7	1067.6	1066.3	1065.1
140°	1103.0	1103.5	1103.0	1101.6	1100.3	1098.9	1097.5
142.5°	1134.3	1134.3	1133.7	1132.3	1131.0	1129.5	1128.2
145°	1179.0	1179.2	1178.7	1177.2	1175.9	1174.5	1173.1
147.5°	1217.3	1217.5	1216.8	1215.2	1213.5	1211.9	1210.2
150°	1241.9	1242.3	1241.6	1239.8	1238.0	1236.1	1234.3
152.5°	1263.5	1263.9	1263.3	1261.6	1260.0	1258.3	1256.7
155°	1293.3	1294.1	1293.4	1291.6	1289.8	1287.9	1286.1
157.5°	1317.9	1318.7	1318.1	1316.3	1314.5	1312.6	1310.7
160°	1333.4	1334.4	1333.9	1332.0	1330.2	1328.4	1326.5
162.5°	1347.8	1349.1	1348.7	1346.7	1344.6	1342.6	1340.6
165°	1365.9	1367.3	1367.0	1365.2	1363.3	1361.5	1359.7
167.5°	1379.7	1381.4	1381.3	1379.1	1377.1	1375.0	1373.0
170°	1387.0	1388.8	1388.7	1386.6	1384.6	1382.5	1380.4
172.5°	1392.2	1393.8	1393.7	1391.6	1389.6	1387.4	1385.4
175°	1398.4	1400.2	1400.1	1398.0	1396.0	1393.8	1391.8
177.5°	1400.3	1401.5	1401.4	1400.0	1398.5	1397.0	1395.5
180°	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0	1398.0

(END OF REPORT)