

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: P333709

Luminaire Tested: **S125RDIW-S1090D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333709
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7895.9 lumens
Efficiency: N/A
Efficacy: 129.0 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

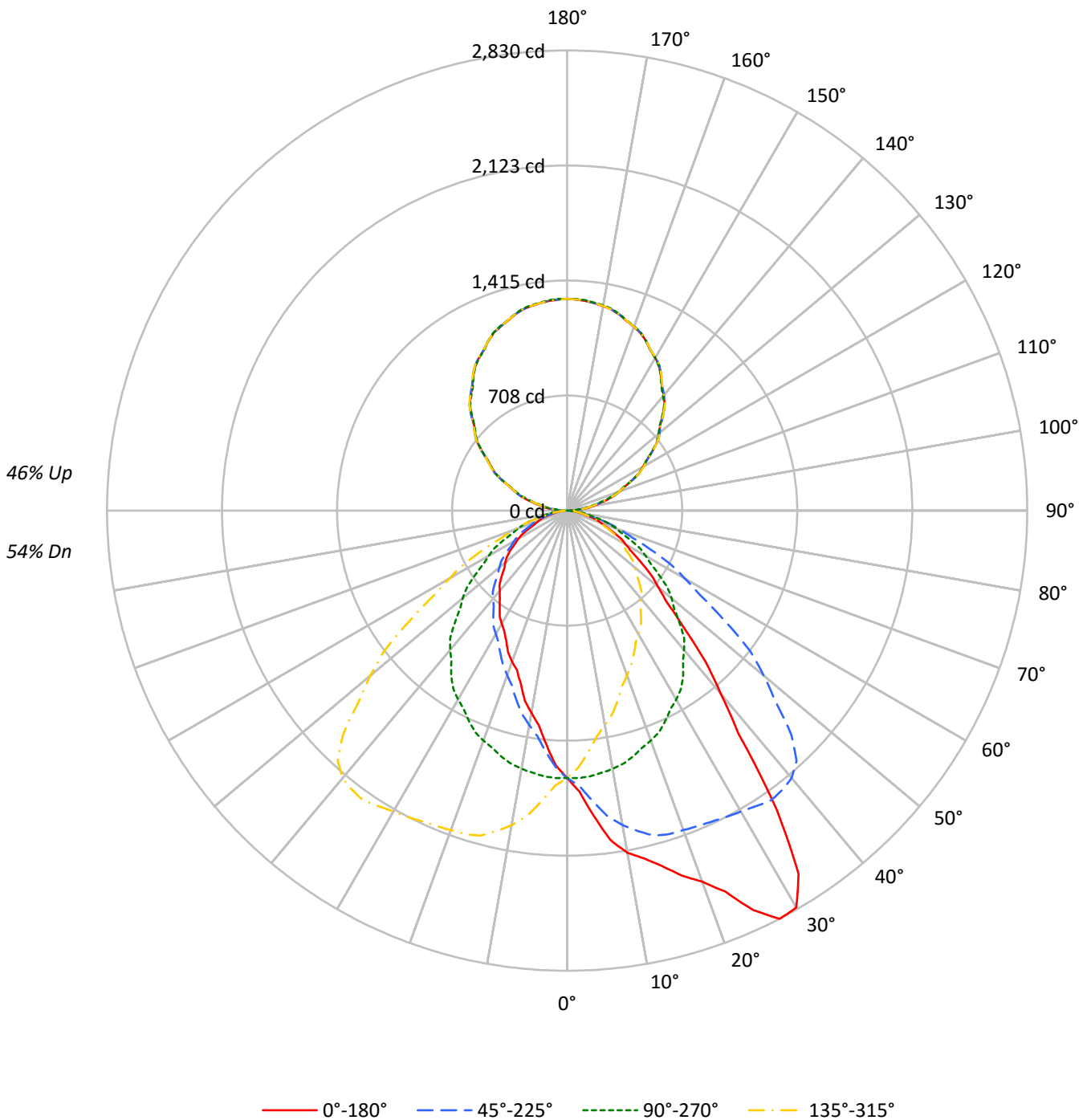
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																										
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	46	46	46	38		
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46	46	46	38	38	38	30		
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40	40	40	32	32	32	24		
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34	34	34	26	26	26	18		
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29	29	29	21	21	21	15		
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26	26	26	18	18	18	12		
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23	23	23	16	16	16	10		
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20	20	20	14	14	14	8		
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18	18	18	12	12	12	6		
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16	16	16	10	10	10	4		
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15	15	15	8	8	8	2		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10619	10619	10619	10619
5°	12217	10633	9390	10633
10°	14014	10579	8286	10579
15°	15136	10470	7365	10470
20°	16690	10344	6801	10344
25°	19316	10177	6310	10177
30°	21020	10001	5990	10001
35°	17731	9797	5694	9797
40°	12382	9429	5440	9429
45°	9186	8933	5191	8933
50°	7324	8416	4977	8416
55°	6217	7775	4788	7775
60°	5371	7201	4481	7201
65°	4786	6580	3857	6580
70°	4205	6027	3518	6027
75°	3638	5220	3301	5220
80°	2760	4392	2760	4392
85°	2297	3453	2601	3453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.0
10°-20°	462.1	5.9
20°-30°	732.6	9.3
30°-40°	883.5	11.2
40°-50°	789.0	10.0
50°-60°	605.0	7.7
60°-70°	393.2	5.0
70°-80°	191.2	2.4
80°-90°	48.5	0.6
90°-100°	87.2	1.1
100°-110°	257.5	3.3
110°-120°	436.2	5.5
120°-130°	574.0	7.3
130°-140°	643.2	8.1
140°-150°	630.4	8.0
150°-160°	529.5	6.7
160°-170°	352.0	4.5
170°-180°	123.2	1.6
0°-30°	1352.3	17.1
0°-40°	2235.8	28.3
0°-60°	3629.8	46.0
0°-90°	4262.6	54.0
90°-120°	780.9	9.9
90°-150°	2628.6	33.3
90°-180°	3633.0	46.0
0°-180°	7895.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1884	1640	1448	1640	1884	188
15°	2264	1566	1102	1566	2264	649
25°	2711	1428	886	1428	2711	1245
35°	2249	1243	722	1243	2249	1358
45°	1006	978	568	978	1006	802
55°	552	690	425	690	552	501
65°	313	431	252	431	313	312
75°	146	209	132	209	146	155
85°	31	47	35	47	31	36
90°	24	1	24	1	24	15
95°	87	66	87	66	87	89
105°	251	231	251	231	251	266
115°	441	437	441	437	441	436
125°	641	637	641	637	641	573
135°	832	829	832	829	832	642
145°	1008	1004	1008	1004	1008	629
155°	1149	1149	1149	1149	1149	529
165°	1246	1249	1246	1249	1246	351
175°	1294	1299	1294	1299	1294	123
180°	1302	1302	1302	1302	1302	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1729.5	1728.4	1730.6	1724.6	1725.2	1716.0	1716.0	1709.0	1699.8	1692.8	1689.5
5°	1884.4	1885.8	1883.1	1873.0	1866.2	1856.1	1844.6	1824.4	1807.5	1791.3	1778.5
7.5°	2044.0	2044.9	2036.0	2032.9	2015.9	2003.5	1978.0	1950.4	1926.0	1895.0	1871.2
10°	2136.9	2136.2	2126.7	2119.3	2104.5	2085.6	2060.6	2028.2	1997.8	1964.1	1931.7
12.5°	2190.9	2189.1	2186.1	2177.1	2163.3	2146.6	2125.4	2093.5	2056.1	2019.2	1981.4
15°	2263.8	2259.0	2250.3	2238.8	2219.2	2199.6	2176.0	2147.7	2111.9	2070.0	2035.0
17.5°	2353.9	2354.1	2340.6	2324.6	2298.0	2263.5	2227.0	2181.3	2132.7	2086.7	2049.3
20°	2428.4	2426.4	2412.9	2381.9	2351.5	2308.3	2266.5	2210.4	2151.0	2091.0	2044.4
22.5°	2535.4	2530.1	2516.0	2475.3	2428.2	2372.6	2308.6	2240.1	2168.3	2100.1	2039.0
25°	2710.6	2706.5	2678.8	2631.6	2565.5	2479.7	2396.0	2302.2	2199.0	2109.2	2035.0
27.5°	2830.4	2826.0	2805.5	2766.2	2705.2	2615.0	2501.7	2376.3	2247.4	2123.9	2016.9
30°	2818.6	2828.7	2826.0	2807.8	2761.9	2680.9	2576.3	2435.2	2282.0	2136.9	2009.3
32.5°	2649.0	2658.1	2681.8	2717.6	2720.3	2687.9	2609.7	2479.5	2320.9	2155.8	2003.4
35°	2248.9	2261.1	2307.0	2379.2	2473.7	2552.6	2568.8	2498.6	2356.2	2178.7	1994.5
37.5°	1728.9	1795.3	1834.0	1910.0	2052.8	2198.0	2337.7	2389.2	2328.5	2169.3	1980.0
40°	1468.7	1484.9	1553.7	1639.4	1759.6	1910.8	2109.9	2253.6	2258.4	2147.7	1957.3
42.5°	1257.0	1277.5	1324.8	1393.2	1496.1	1647.3	1852.9	2042.5	2130.4	2088.3	1927.6
45°	1005.7	1021.2	1055.6	1108.3	1187.2	1312.1	1488.9	1708.3	1882.4	1950.6	1848.0
47.5°	826.1	834.5	864.5	904.6	963.0	1054.0	1190.9	1381.3	1590.2	1736.6	1722.2
50°	728.9	738.4	761.3	791.7	841.0	917.9	1027.3	1185.9	1401.2	1580.0	1615.8
52.5°	653.3	661.2	675.5	704.2	744.9	804.0	892.3	1035.8	1229.5	1419.7	1502.4
55°	552.1	557.5	569.0	585.2	617.6	660.1	736.4	835.6	992.2	1183.8	1305.3
57.5°	468.7	471.4	478.7	493.7	516.1	547.1	602.2	686.3	798.6	971.2	1105.3
60°	415.8	418.5	427.9	438.0	455.6	483.9	527.1	585.8	693.8	836.3	971.9
62.5°	373.6	375.3	379.3	389.4	404.8	426.7	460.7	508.6	594.5	719.6	847.7
65°	313.2	313.8	315.2	323.3	332.7	348.9	371.2	405.0	469.8	564.3	677.6
67.5°	255.1	256.1	260.8	263.6	273.5	282.0	295.1	320.9	366.5	430.2	518.4
70°	222.7	222.1	226.8	230.2	233.5	243.7	252.4	273.4	301.7	350.3	423.9
72.5°	192.5	190.7	192.8	194.0	198.4	205.3	214.1	226.9	248.8	282.3	338.6
75°	145.8	146.5	146.5	147.8	151.2	153.9	156.6	163.3	175.5	197.8	228.1
77.5°	102.3	101.2	104.1	104.5	106.5	109.5	111.8	114.5	119.5	128.6	144.3
80°	74.2	74.2	74.9	76.9	76.3	77.6	81.0	83.7	89.8	95.2	100.6
82.5°	57.0	56.4	57.1	57.5	57.4	58.7	59.9	60.5	62.8	65.5	69.2
85°	31.0	31.0	31.7	31.7	32.4	32.4	33.1	33.1	33.1	33.7	34.4
87.5°	16.7	16.1	15.4	15.3	15.7	16.6	15.8	15.0	14.8	14.6	14.8
90°	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5	17.3	16.2	14.6
92.5°	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9	40.4	38.9	37.0
95°	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2	79.6	78.0	75.8
97.5°	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2	125.7	124.2	121.1
100°	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1	157.1	155.0	152.1
102.5°	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9	189.7	187.5	186.0
105°	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9	243.5	242.2	240.8
107.5°	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1	301.4	300.7	299.7
110°	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8	341.1	340.5	339.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6	381.3	381.0	380.1
115°	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3	442.6	442.8	442.3
117.5°	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1	503.0	502.8	502.4
120°	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1	544.1	544.1	543.9
122.5°	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3	584.5	584.7	584.1
125°	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5	644.0	644.4	644.2
127.5°	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3	702.6	702.8	702.5
130°	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3	741.5	741.7	741.3
132.5°	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5	778.8	779.0	779.1
135°	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9	835.9	835.9	835.7
137.5°	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8	891.5	891.3	890.8
140°	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0	926.6	926.1	925.4
142.5°	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5	961.2	961.0	960.1
145°	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2	1011.2	1011.2	1010.6
147.5°	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3	1056.8	1056.2	1055.7
150°	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2	1086.2	1086.2	1085.3
152.5°	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2	1112.7	1112.2	1111.8
155°	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9	1151.0	1150.1	1149.8
157.5°	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3	1184.4	1183.5	1183.3
160°	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6	1204.7	1203.8	1203.5
162.5°	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6	1223.5	1222.4	1222.4
165°	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1	1249.2	1248.3	1248.1
167.5°	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1	1267.7	1266.4	1266.4
170°	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4	1279.1	1277.7	1277.7
172.5°	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5	1287.2	1285.8	1285.8
175°	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6	1296.3	1294.9	1294.9
177.5°	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8	1300.7	1299.6	1299.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1689.5	1685.7	1678.7	1672.2	1664.1	1657.1	1652.3	1646.3	1638.8	1629.6	1622.0
5°	1764.3	1749.4	1729.9	1713.0	1691.4	1674.5	1657.0	1640.1	1623.2	1601.6	1582.7
7.5°	1847.2	1816.5	1786.7	1749.2	1715.2	1684.8	1655.6	1626.1	1597.2	1566.5	1537.0
10°	1897.9	1860.8	1819.6	1772.4	1729.2	1688.0	1650.2	1613.1	1574.0	1539.5	1502.4
12.5°	1945.5	1897.5	1850.4	1790.8	1738.9	1688.6	1640.5	1594.2	1552.4	1507.7	1467.9
15°	1988.4	1941.1	1888.5	1815.6	1743.4	1682.6	1625.9	1565.9	1513.9	1463.9	1419.4
17.5°	2005.0	1955.4	1894.3	1824.2	1745.3	1668.9	1595.8	1530.0	1468.8	1410.6	1360.5
20°	1998.5	1950.6	1887.8	1821.0	1736.6	1657.0	1578.0	1505.1	1437.0	1375.5	1322.2
22.5°	1982.8	1933.3	1872.7	1802.1	1722.0	1637.5	1553.2	1475.4	1404.0	1340.4	1282.3
25°	1959.4	1891.9	1829.8	1760.9	1684.7	1601.0	1513.9	1428.2	1351.9	1287.1	1223.7
27.5°	1934.9	1850.7	1771.7	1703.3	1622.7	1548.0	1464.1	1376.2	1296.0	1230.0	1164.9
30°	1912.8	1818.3	1731.2	1653.6	1577.3	1506.5	1426.8	1341.1	1258.8	1190.6	1124.5
32.5°	1885.2	1784.8	1689.1	1599.6	1526.0	1455.7	1383.6	1301.7	1221.5	1151.2	1084.0
35°	1850.7	1722.5	1618.5	1523.3	1441.7	1373.5	1308.7	1242.6	1162.3	1089.4	1023.9
37.5°	1805.3	1659.8	1539.5	1435.9	1349.7	1281.3	1230.1	1169.7	1096.4	1026.6	965.8
40°	1777.8	1614.5	1482.8	1380.3	1289.8	1217.6	1169.7	1118.4	1051.6	986.1	925.3
42.5°	1741.1	1572.9	1425.6	1318.7	1227.7	1158.2	1109.7	1064.9	1008.9	947.2	882.1
45°	1669.1	1492.3	1337.7	1223.0	1131.2	1063.0	1017.8	978.0	935.5	878.8	822.1
47.5°	1575.4	1408.2	1246.5	1121.2	1031.3	968.0	924.1	892.7	862.3	814.1	759.0
50°	1500.4	1339.1	1181.1	1059.7	963.8	903.7	862.6	837.6	809.9	766.1	720.2
52.5°	1411.8	1267.8	1113.1	988.9	898.5	842.2	802.6	777.7	754.9	719.1	675.3
55°	1272.3	1146.1	1004.3	891.6	808.6	751.9	714.1	690.5	677.0	646.6	612.2
57.5°	1111.2	1020.8	895.8	787.1	713.7	657.7	630.0	609.9	594.6	573.2	548.9
60°	998.9	935.5	823.4	720.2	652.7	599.3	574.4	557.5	543.3	525.1	506.2
62.5°	885.0	838.8	741.4	652.7	590.6	545.9	522.5	507.3	491.0	478.7	460.3
65°	732.3	691.1	623.6	554.1	496.8	461.0	444.1	430.6	420.5	407.0	394.2
67.5°	569.7	552.9	506.3	458.4	417.2	385.4	370.8	361.4	349.2	341.1	332.3
70°	469.8	461.7	428.6	396.9	358.4	336.8	323.3	319.2	304.4	296.3	290.2
72.5°	381.2	377.4	358.4	336.4	309.3	290.4	277.9	273.4	263.9	257.4	253.5
75°	261.2	262.6	259.2	245.0	234.9	222.7	211.9	209.2	202.5	197.1	193.7
77.5°	165.2	172.1	172.4	171.7	167.7	160.2	155.8	153.8	147.1	145.1	144.3
80°	113.4	120.8	127.6	126.9	125.5	123.5	120.1	118.1	114.7	112.7	111.4
82.5°	75.6	82.5	88.1	91.8	91.5	89.5	87.2	86.3	85.6	84.1	83.8
85°	35.8	37.1	39.1	43.9	47.2	47.9	47.2	46.6	44.5	45.2	45.9
87.5°	15.0	14.7	14.9	14.6	13.7	16.0	17.3	17.5	16.8	16.0	15.3
90°	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5	25.8	27.0	28.3
95°	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9	66.3	66.8	67.2
97.5°	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4	109.6	109.8	110.0
100°	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
102.5°	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7	177.6	178.5	179.4
105°	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0	232.1	233.3	234.4
107.5°	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0	292.1	293.3	294.4
110°	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3	333.5	334.6	335.7



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5	375.1	375.7	376.3
115°	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7	437.6	438.5	439.4
117.5°	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1	499.5	499.9	500.3
120°	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0	539.2	540.3	541.4
122.5°	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2	580.6	581.0	581.4
125°	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3	638.7	640.0	641.4
127.5°	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1	698.9	699.7	700.4
130°	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6	735.7	736.9	738.0
132.5°	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1	772.9	774.8	776.6
135°	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8	830.2	831.5	832.9
137.5°	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2	884.5	885.8	887.1
140°	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0	919.1	920.3	921.4
142.5°	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9	953.8	954.8	955.7
145°	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1	1005.0	1005.9	1006.8
147.5°	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6	1052.1	1052.6	1053.0
150°	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2	1083.0	1082.7	1082.5
152.5°	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1	1109.4	1109.7	1110.1
155°	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7	1184.2	1183.7	1183.2
160°	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8	1205.1	1204.4	1203.8
162.5°	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4	1223.9	1223.4	1222.9
165°	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4	1248.9	1248.4	1248.0
167.5°	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4	1269.5	1268.6	1267.7
170°	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8	1280.9	1280.0	1279.1
172.5°	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9	1289.0	1288.1	1287.2
175°	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0	1298.1	1297.2	1296.3
177.5°	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7	1302.9	1302.2	1301.5
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1616.6	1609.1	1603.7	1592.9	1585.3	1582.1	1576.1	1574.5	1580.4	1576.1	1575.6
5°	1568.6	1549.0	1533.5	1517.9	1501.1	1490.3	1474.1	1471.4	1467.3	1461.2	1459.9
7.5°	1510.9	1485.4	1465.4	1439.8	1417.5	1399.6	1379.3	1369.7	1364.5	1356.6	1346.1
10°	1472.0	1441.7	1414.7	1389.0	1361.4	1339.1	1318.8	1303.3	1293.2	1283.7	1279.7
12.5°	1433.7	1402.8	1368.2	1337.2	1306.3	1281.3	1258.9	1248.8	1237.6	1226.5	1217.1
15°	1374.2	1333.0	1295.2	1259.4	1233.1	1206.1	1184.5	1169.7	1152.8	1148.1	1129.9
17.5°	1311.0	1270.6	1226.4	1188.7	1158.2	1128.5	1104.7	1087.9	1075.2	1057.8	1049.4
20°	1271.6	1223.7	1180.5	1146.1	1112.3	1077.2	1052.9	1038.7	1026.6	1012.4	1005.7
22.5°	1229.5	1182.6	1138.4	1098.0	1063.7	1029.2	1011.9	997.2	983.4	970.3	961.4
25°	1167.6	1120.4	1073.8	1032.0	996.2	971.2	951.0	934.1	926.7	913.9	904.4
27.5°	1106.5	1056.3	1008.0	966.2	938.2	913.5	896.9	883.5	870.1	858.9	850.7
30°	1067.1	1015.8	963.1	930.1	900.4	876.7	858.5	845.7	835.6	825.5	819.4
32.5°	1027.7	974.8	928.0	892.3	864.2	843.8	825.0	812.8	802.1	790.9	783.7
35°	964.5	910.5	872.7	837.6	809.9	791.0	778.2	760.7	751.9	743.8	736.4
37.5°	905.8	855.6	814.7	783.9	759.8	741.1	724.5	715.0	704.2	696.9	690.7
40°	862.6	816.7	779.6	747.2	729.6	708.7	693.2	681.0	672.9	663.5	656.7
42.5°	823.7	781.0	745.0	715.8	694.0	676.3	661.3	649.2	638.9	632.2	626.5
45°	768.8	726.2	691.1	664.1	643.9	627.0	611.5	605.4	591.9	583.8	581.1
47.5°	711.9	673.9	640.0	615.1	594.4	578.4	563.8	551.4	544.0	536.0	531.7
50°	673.6	637.1	605.4	581.1	560.9	543.3	529.8	521.7	511.6	504.2	498.8
52.5°	635.3	601.5	569.8	546.6	529.0	511.5	496.4	488.3	478.7	473.9	470.2
55°	580.5	544.7	517.7	494.7	476.5	460.3	446.1	438.0	432.0	427.2	425.9
57.5°	518.4	490.0	464.9	444.2	425.3	410.1	397.7	390.0	384.6	383.9	379.9
60°	477.9	452.2	429.3	407.0	390.8	376.6	365.8	357.0	351.6	351.0	349.6
62.5°	437.4	412.8	391.5	371.9	357.3	343.7	333.4	323.6	320.3	317.0	314.0
65°	377.3	355.0	337.5	321.9	306.4	294.9	284.8	278.8	271.3	267.3	259.9
67.5°	318.3	301.0	284.2	271.1	258.9	248.0	239.6	230.6	225.6	222.3	216.9
70°	279.4	265.9	249.1	234.9	225.4	216.7	209.9	199.8	196.4	193.7	191.0
72.5°	242.7	230.8	216.7	205.2	195.7	187.5	179.7	174.9	171.6	168.9	167.3
75°	191.0	179.5	167.4	159.3	152.5	145.8	141.7	138.4	137.0	136.3	133.6
77.5°	140.3	134.2	124.5	118.0	113.5	110.8	107.2	105.4	105.3	102.3	101.4
80°	107.3	103.9	95.8	93.1	89.8	87.1	85.0	81.7	78.3	76.9	74.9
82.5°	79.8	76.4	73.2	68.8	66.0	64.4	62.4	61.1	61.6	59.7	58.7
85°	42.5	39.1	37.8	37.1	35.8	37.1	36.4	35.8	35.1	34.4	35.1
87.5°	15.1	15.5	15.3	16.7	15.3	16.2	16.4	16.1	16.3	16.6	16.2
90°	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5	19.6	20.7	21.6
92.5°	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9	43.4	44.9	45.8
95°	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2	82.7	84.3	85.3
97.5°	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2	128.7	130.2	131.0
100°	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1	161.1	163.1	164.4
102.5°	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9	194.1	196.3	197.7
105°	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9	246.2	247.6	248.6
107.5°	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1	302.8	303.4	303.8
110°	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8	342.5	343.2	343.4



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6	381.9	382.2	382.2
115°	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3	442.1	441.9	441.7
117.5°	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1	503.3	503.5	503.1
120°	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1	544.1	544.1	543.7
122.5°	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3	584.1	583.9	583.5
125°	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5	643.1	642.6	642.3
127.5°	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3	702.1	701.9	701.6
130°	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3	741.0	740.8	740.5
132.5°	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5	778.3	778.1	777.7
135°	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9	835.9	835.9	835.5
137.5°	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8	892.1	892.3	891.9
140°	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0	927.5	927.9	927.6
142.5°	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5	961.8	962.1	961.6
145°	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2	1011.2	1011.2	1010.9
147.5°	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3	1057.8	1058.4	1057.9
150°	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2	1086.2	1086.2	1086.0
152.5°	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2	1113.8	1114.3	1114.2
155°	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9	1152.8	1153.7	1153.5
157.5°	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3	1186.2	1187.1	1186.8
160°	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6	1206.5	1207.4	1207.2
162.5°	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6	1225.6	1226.7	1226.6
165°	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1	1251.0	1251.9	1251.7
167.5°	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1	1270.4	1271.8	1271.8
170°	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4	1281.8	1283.1	1283.0
172.5°	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5	1289.9	1291.2	1291.2
175°	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6	1299.0	1300.4	1300.2
177.5°	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8	1302.9	1303.9	1303.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1575.0	1569.1	1567.5	1569.6	1567.5	1569.1	1575.0	1575.6	1576.1	1580.4	1574.5
5°	1453.2	1446.4	1449.8	1448.4	1449.8	1446.4	1453.2	1459.9	1461.2	1467.3	1471.4
7.5°	1346.0	1337.6	1328.7	1331.5	1328.7	1337.6	1346.0	1346.1	1356.6	1364.5	1369.7
10°	1270.9	1264.2	1260.1	1263.5	1260.1	1264.2	1270.9	1279.7	1283.7	1293.2	1303.3
12.5°	1207.7	1203.7	1200.2	1198.7	1200.2	1203.7	1207.7	1217.1	1226.5	1237.6	1248.8
15°	1121.8	1113.7	1110.3	1101.5	1110.3	1113.7	1121.8	1129.9	1148.1	1152.8	1169.7
17.5°	1042.5	1039.8	1031.0	1027.3	1031.0	1039.8	1042.5	1049.4	1057.8	1075.2	1087.9
20°	995.5	992.8	984.1	989.5	984.1	992.8	995.5	1005.7	1012.4	1026.6	1038.7
22.5°	956.7	950.7	947.9	946.3	947.9	950.7	956.7	961.4	970.3	983.4	997.2
25°	901.7	892.9	889.6	885.5	889.6	892.9	901.7	904.4	913.9	926.7	934.1
27.5°	846.9	842.2	837.7	836.7	837.7	842.2	846.9	850.7	858.9	870.1	883.5
30°	811.3	806.6	803.2	803.2	803.2	806.6	811.3	819.4	825.5	835.6	845.7
32.5°	779.4	775.8	772.4	771.9	772.4	775.8	779.4	783.7	790.9	802.1	812.8
35°	733.0	727.6	726.2	722.2	726.2	727.6	733.0	736.4	743.8	751.9	760.7
37.5°	684.8	680.3	680.2	679.8	680.2	680.3	684.8	690.7	696.9	704.2	715.0
40°	654.0	650.6	650.0	645.2	650.0	650.6	654.0	656.7	663.5	672.9	681.0
42.5°	621.1	619.3	617.0	615.0	617.0	619.3	621.1	626.5	632.2	638.9	649.2
45°	576.4	571.7	571.7	568.3	571.7	571.7	576.4	581.1	583.8	591.9	605.4
47.5°	530.2	526.6	527.0	523.5	527.0	526.6	530.2	531.7	536.0	544.0	551.4
50°	499.5	497.4	496.8	495.4	496.8	497.4	499.5	498.8	504.2	511.6	521.7
52.5°	468.7	467.7	470.3	467.3	470.3	467.7	468.7	470.2	473.9	478.7	488.3
55°	427.2	425.2	429.3	425.2	429.3	425.2	427.2	425.9	427.2	432.0	438.0
57.5°	379.6	377.7	381.3	379.3	381.3	377.7	379.6	379.9	383.9	384.6	390.0
60°	348.3	344.2	346.2	346.9	346.2	344.2	348.3	349.6	351.0	351.6	357.0
62.5°	311.0	308.6	310.1	307.0	310.1	308.6	311.0	314.0	317.0	320.3	323.6
65°	258.5	256.5	253.8	252.4	253.8	256.5	258.5	259.9	267.3	271.3	278.8
67.5°	217.2	212.3	212.2	213.3	212.2	212.3	217.2	216.9	222.3	225.6	230.6
70°	187.0	187.0	186.3	186.3	186.3	187.0	187.0	191.0	193.7	196.4	199.8
72.5°	165.9	165.4	164.1	163.6	164.1	165.4	165.9	167.3	168.9	171.6	174.9
75°	133.6	134.3	133.0	132.3	133.0	134.3	133.6	133.6	136.3	137.0	138.4
77.5°	98.7	95.8	97.3	95.8	97.3	95.8	98.7	101.4	102.3	105.3	105.4
80°	74.9	74.2	76.3	74.2	76.3	74.2	74.9	74.9	76.9	78.3	81.7
82.5°	59.3	58.6	59.5	58.0	59.5	58.6	59.3	58.7	59.7	61.6	61.1
85°	35.8	35.1	34.4	35.1	34.4	35.1	35.8	35.1	34.4	35.1	35.8
87.5°	16.9	16.5	16.6	16.7	16.6	16.5	16.9	16.2	16.6	16.3	16.1
90°	22.3	23.0	23.6	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5
92.5°	46.3	46.8	47.3	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9
95°	85.8	86.2	86.7	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2
97.5°	131.3	131.6	131.9	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2
100°	164.8	165.3	165.7	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1
102.5°	198.3	199.0	199.6	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9
105°	249.3	249.9	250.6	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9
107.5°	303.7	303.7	303.6	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1
110°	343.2	342.9	342.7	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	381.8	381.4	381.0	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6
115°	441.4	441.2	441.0	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3
117.5°	502.2	501.3	500.4	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1
120°	542.8	541.9	541.0	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1
122.5°	582.8	582.0	581.3	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3
125°	642.1	641.8	641.6	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5
127.5°	701.1	700.7	700.2	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3
130°	740.0	739.6	739.1	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3
132.5°	777.0	776.4	775.8	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5
135°	834.6	833.7	832.8	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9
137.5°	890.8	889.7	888.5	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8
140°	926.5	925.3	924.2	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0
142.5°	960.5	959.4	958.3	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5
145°	1010.2	1009.5	1008.9	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2
147.5°	1056.4	1054.8	1053.3	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3
150°	1085.5	1085.1	1084.6	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2
152.5°	1113.4	1112.6	1111.7	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2
155°	1152.4	1151.3	1150.2	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9
157.5°	1185.3	1183.8	1182.3	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3
160°	1206.1	1205.0	1203.9	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6
162.5°	1225.3	1224.0	1222.7	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6
165°	1250.4	1249.0	1247.7	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1
167.5°	1270.4	1269.0	1267.6	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1
170°	1281.4	1279.9	1278.3	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4
172.5°	1289.8	1288.4	1287.0	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5
175°	1298.7	1297.1	1295.5	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6
177.5°	1302.6	1301.3	1300.1	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333709

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1576.1	1582.1	1585.3	1592.9	1603.7	1609.1	1616.6	1622.0	1629.6	1638.8	1646.3
5°	1474.1	1490.3	1501.1	1517.9	1533.5	1549.0	1568.6	1582.7	1601.6	1623.2	1640.1
7.5°	1379.3	1399.6	1417.5	1439.8	1465.4	1485.4	1510.9	1537.0	1566.5	1597.2	1626.1
10°	1318.8	1339.1	1361.4	1389.0	1414.7	1441.7	1472.0	1502.4	1539.5	1574.0	1613.1
12.5°	1258.9	1281.3	1306.3	1337.2	1368.2	1402.8	1433.7	1467.9	1507.7	1552.4	1594.2
15°	1184.5	1206.1	1233.1	1259.4	1295.2	1333.0	1374.2	1419.4	1463.9	1513.9	1565.9
17.5°	1104.7	1128.5	1158.2	1188.7	1226.4	1270.6	1311.0	1360.5	1410.6	1468.8	1530.0
20°	1052.9	1077.2	1112.3	1146.1	1180.5	1223.7	1271.6	1322.2	1375.5	1437.0	1505.1
22.5°	1011.9	1029.2	1063.7	1098.0	1138.4	1182.6	1229.5	1282.3	1340.4	1404.0	1475.4
25°	951.0	971.2	996.2	1032.0	1073.8	1120.4	1167.6	1223.7	1287.1	1351.9	1428.2
27.5°	896.9	913.5	938.2	966.2	1008.0	1056.3	1106.5	1164.9	1230.0	1296.0	1376.2
30°	858.5	876.7	900.4	930.1	963.1	1015.8	1067.1	1124.5	1190.6	1258.8	1341.1
32.5°	825.0	843.8	864.2	892.3	928.0	974.8	1027.7	1084.0	1151.2	1221.5	1301.7
35°	778.2	791.0	809.9	837.6	872.7	910.5	964.5	1023.9	1089.4	1162.3	1242.6
37.5°	724.5	741.1	759.8	783.9	814.7	855.6	905.8	965.8	1026.6	1096.4	1169.7
40°	693.2	708.7	729.6	747.2	779.6	816.7	862.6	925.3	986.1	1051.6	1118.4
42.5°	661.3	676.3	694.0	715.8	745.0	781.0	823.7	882.1	947.2	1008.9	1064.9
45°	611.5	627.0	643.9	664.1	691.1	726.2	768.8	822.1	878.8	935.5	978.0
47.5°	563.8	578.4	594.4	615.1	640.0	673.9	711.9	759.0	814.1	862.3	892.7
50°	529.8	543.3	560.9	581.1	605.4	637.1	673.6	720.2	766.1	809.9	837.6
52.5°	496.4	511.5	529.0	546.6	569.8	601.5	635.3	675.3	719.1	754.9	777.7
55°	446.1	460.3	476.5	494.7	517.7	544.7	580.5	612.2	646.6	677.0	690.5
57.5°	397.7	410.1	425.3	444.2	464.9	490.0	518.4	548.9	573.2	594.6	609.9
60°	365.8	376.6	390.8	407.0	429.3	452.2	477.9	506.2	525.1	543.3	557.5
62.5°	333.4	343.7	357.3	371.9	391.5	412.8	437.4	460.3	478.7	491.0	507.3
65°	284.8	294.9	306.4	321.9	337.5	355.0	377.3	394.2	407.0	420.5	430.6
67.5°	239.6	248.0	258.9	271.1	284.2	301.0	318.3	332.3	341.1	349.2	361.4
70°	209.9	216.7	225.4	234.9	249.1	265.9	279.4	290.2	296.3	304.4	319.2
72.5°	179.7	187.5	195.7	205.2	216.7	230.8	242.7	253.5	257.4	263.9	273.4
75°	141.7	145.8	152.5	159.3	167.4	179.5	191.0	193.7	197.1	202.5	209.2
77.5°	107.2	110.8	113.5	118.0	124.5	134.2	140.3	144.3	145.1	147.1	153.8
80°	85.0	87.1	89.8	93.1	95.8	103.9	107.3	111.4	112.7	114.7	118.1
82.5°	62.4	64.4	66.0	68.8	73.2	76.4	79.8	83.8	84.1	85.6	86.3
85°	36.4	37.1	35.8	37.1	37.8	39.1	42.5	45.9	45.2	44.5	46.6
87.5°	16.4	16.2	15.3	16.7	15.3	15.5	15.1	15.3	16.0	16.8	17.5
90°	17.3	16.2	14.6	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	40.4	38.9	37.0	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5
95°	79.6	78.0	75.8	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9
97.5°	125.7	124.2	121.1	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4
100°	157.1	155.0	152.1	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9
102.5°	189.7	187.5	186.0	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7
105°	243.5	242.2	240.8	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0
107.5°	301.4	300.7	299.7	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0
110°	341.1	340.5	339.8	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	381.3	381.0	380.1	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5
115°	442.6	442.8	442.3	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7
117.5°	503.0	502.8	502.4	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1
120°	544.1	544.1	543.9	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0
122.5°	584.5	584.7	584.1	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2
125°	644.0	644.4	644.2	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3
127.5°	702.6	702.8	702.5	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1
130°	741.5	741.7	741.3	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6
132.5°	778.8	779.0	779.1	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1
135°	835.9	835.9	835.7	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8
137.5°	891.5	891.3	890.8	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2
140°	926.6	926.1	925.4	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0
142.5°	961.2	961.0	960.1	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9
145°	1011.2	1011.2	1010.6	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1
147.5°	1056.8	1056.2	1055.7	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6
150°	1086.2	1086.2	1085.3	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2
152.5°	1112.7	1112.2	1111.8	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1
155°	1151.0	1150.1	1149.8	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1184.4	1183.5	1183.3	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7
160°	1204.7	1203.8	1203.5	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8
162.5°	1223.5	1222.4	1222.4	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4
165°	1249.2	1248.3	1248.1	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4
167.5°	1267.7	1266.4	1266.4	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4
170°	1279.1	1277.7	1277.7	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8
172.5°	1287.2	1285.8	1285.8	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9
175°	1296.3	1294.9	1294.9	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0
177.5°	1300.7	1299.6	1299.8	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333709

CATALOG NUMBER: S125RDIW-S1090D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1652.3	1657.1	1664.1	1672.2	1678.7	1685.7	1689.5	1689.5	1692.8	1699.8	1709.0
5°	1657.0	1674.5	1691.4	1713.0	1729.9	1749.4	1764.3	1778.5	1791.3	1807.5	1824.4
7.5°	1655.6	1684.8	1715.2	1749.2	1786.7	1816.5	1847.2	1871.2	1895.0	1926.0	1950.4
10°	1650.2	1688.0	1729.2	1772.4	1819.6	1860.8	1897.9	1931.7	1964.1	1997.8	2028.2
12.5°	1640.5	1688.6	1738.9	1790.8	1850.4	1897.5	1945.5	1981.4	2019.2	2056.1	2093.5
15°	1625.9	1682.6	1743.4	1815.6	1888.5	1941.1	1988.4	2035.0	2070.0	2111.9	2147.7
17.5°	1595.8	1668.9	1745.3	1824.2	1894.3	1955.4	2005.0	2049.3	2086.7	2132.7	2181.3
20°	1578.0	1657.0	1736.6	1821.0	1887.8	1950.6	1998.5	2044.4	2091.0	2151.0	2210.4
22.5°	1553.2	1637.5	1722.0	1802.1	1872.7	1933.3	1982.8	2039.0	2100.1	2168.3	2240.1
25°	1513.9	1601.0	1684.7	1760.9	1829.8	1891.9	1959.4	2035.0	2109.2	2199.0	2302.2
27.5°	1464.1	1548.0	1622.7	1703.3	1771.7	1850.7	1934.9	2016.9	2123.9	2247.4	2376.3
30°	1426.8	1506.5	1577.3	1653.6	1731.2	1818.3	1912.8	2009.3	2136.9	2282.0	2435.2
32.5°	1383.6	1455.7	1526.0	1599.6	1689.1	1784.8	1885.2	2003.4	2155.8	2320.9	2479.5
35°	1308.7	1373.5	1441.7	1523.3	1618.5	1722.5	1850.7	1994.5	2178.7	2356.2	2498.6
37.5°	1230.1	1281.3	1349.7	1435.9	1539.5	1659.8	1805.3	1980.0	2169.3	2328.5	2389.2
40°	1169.7	1217.6	1289.8	1380.3	1482.8	1614.5	1777.8	1957.3	2147.7	2258.4	2253.6
42.5°	1109.7	1158.2	1227.7	1318.7	1425.6	1572.9	1741.1	1927.6	2088.3	2130.4	2042.5
45°	1017.8	1063.0	1131.2	1223.0	1337.7	1492.3	1669.1	1848.0	1950.6	1882.4	1708.3
47.5°	924.1	968.0	1031.3	1121.2	1246.5	1408.2	1575.4	1722.2	1736.6	1590.2	1381.3
50°	862.6	903.7	963.8	1059.7	1181.1	1339.1	1500.4	1615.8	1580.0	1401.2	1185.9
52.5°	802.6	842.2	898.5	988.9	1113.1	1267.8	1411.8	1502.4	1419.7	1229.5	1035.8
55°	714.1	751.9	808.6	891.6	1004.3	1146.1	1272.3	1305.3	1183.8	992.2	835.6
57.5°	630.0	657.7	713.7	787.1	895.8	1020.8	1111.2	1105.3	971.2	798.6	686.3
60°	574.4	599.3	652.7	720.2	823.4	935.5	998.9	971.9	836.3	693.8	585.8
62.5°	522.5	545.9	590.6	652.7	741.4	838.8	885.0	847.7	719.6	594.5	508.6
65°	444.1	461.0	496.8	554.1	623.6	691.1	732.3	677.6	564.3	469.8	405.0
67.5°	370.8	385.4	417.2	458.4	506.3	552.9	569.7	518.4	430.2	366.5	320.9
70°	323.3	336.8	358.4	396.9	428.6	461.7	469.8	423.9	350.3	301.7	273.4
72.5°	277.9	290.4	309.3	336.4	358.4	377.4	381.2	338.6	282.3	248.8	226.9
75°	211.9	222.7	234.9	245.0	259.2	262.6	261.2	228.1	197.8	175.5	163.3
77.5°	155.8	160.2	167.7	171.7	172.4	172.1	165.2	144.3	128.6	119.5	114.5
80°	120.1	123.5	125.5	126.9	127.6	120.8	113.4	100.6	95.2	89.8	83.7
82.5°	87.2	89.5	91.5	91.8	88.1	82.5	75.6	69.2	65.5	62.8	60.5
85°	47.2	47.9	47.2	43.9	39.1	37.1	35.8	34.4	33.7	33.1	33.1
87.5°	17.3	16.0	13.7	14.6	14.9	14.7	15.0	14.8	14.6	14.8	15.0
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5
92.5°	25.8	27.0	28.3	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9
95°	66.3	66.8	67.2	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2
97.5°	109.6	109.8	110.0	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2
100°	141.9	141.9	141.9	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1
102.5°	177.6	178.5	179.4	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9
105°	232.1	233.3	234.4	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9
107.5°	292.1	293.3	294.4	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1
110°	333.5	334.6	335.7	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	375.1	375.7	376.3	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6
115°	437.6	438.5	439.4	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3
117.5°	499.5	499.9	500.3	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1
120°	539.2	540.3	541.4	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1
122.5°	580.6	581.0	581.4	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3
125°	638.7	640.0	641.4	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5
127.5°	698.9	699.7	700.4	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3
130°	735.7	736.9	738.0	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3
132.5°	772.9	774.8	776.6	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5
135°	830.2	831.5	832.9	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9
137.5°	884.5	885.8	887.1	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8
140°	919.1	920.3	921.4	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0
142.5°	953.8	954.8	955.7	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5
145°	1005.0	1005.9	1006.8	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2
147.5°	1052.1	1052.6	1053.0	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3
150°	1083.0	1082.7	1082.5	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2
152.5°	1109.4	1109.7	1110.1	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2
155°	1149.0	1149.0	1149.0	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9
157.5°	1184.2	1183.7	1183.2	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3
160°	1205.1	1204.4	1203.8	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6
162.5°	1223.9	1223.4	1222.9	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6
165°	1248.9	1248.4	1248.0	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1
167.5°	1269.5	1268.6	1267.7	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1
170°	1280.9	1280.0	1279.1	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4
172.5°	1289.0	1288.1	1287.2	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5
175°	1298.1	1297.2	1296.3	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6
177.5°	1302.9	1302.2	1301.5	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1716.0	1716.0	1725.2	1724.6	1730.6	1728.4	1729.5
5°	1844.6	1856.1	1866.2	1873.0	1883.1	1885.8	1884.4
7.5°	1978.0	2003.5	2015.9	2032.9	2036.0	2044.9	2044.0
10°	2060.6	2085.6	2104.5	2119.3	2126.7	2136.2	2136.9
12.5°	2125.4	2146.6	2163.3	2177.1	2186.1	2189.1	2190.9
15°	2176.0	2199.6	2219.2	2238.8	2250.3	2259.0	2263.8
17.5°	2227.0	2263.5	2298.0	2324.6	2340.6	2354.1	2353.9
20°	2266.5	2308.3	2351.5	2381.9	2412.9	2426.4	2428.4
22.5°	2308.6	2372.6	2428.2	2475.3	2516.0	2530.1	2535.4
25°	2396.0	2479.7	2565.5	2631.6	2678.8	2706.5	2710.6
27.5°	2501.7	2615.0	2705.2	2766.2	2805.5	2826.0	2830.4
30°	2576.3	2680.9	2761.9	2807.8	2826.0	2828.7	2818.6
32.5°	2609.7	2687.9	2720.3	2717.6	2681.8	2658.1	2649.0
35°	2568.8	2552.6	2473.7	2379.2	2307.0	2261.1	2248.9
37.5°	2337.7	2198.0	2052.8	1910.0	1834.0	1795.3	1728.9
40°	2109.9	1910.8	1759.6	1639.4	1553.7	1484.9	1468.7
42.5°	1852.9	1647.3	1496.1	1393.2	1324.8	1277.5	1257.0
45°	1488.9	1312.1	1187.2	1108.3	1055.6	1021.2	1005.7
47.5°	1190.9	1054.0	963.0	904.6	864.5	834.5	826.1
50°	1027.3	917.9	841.0	791.7	761.3	738.4	728.9
52.5°	892.3	804.0	744.9	704.2	675.5	661.2	653.3
55°	736.4	660.1	617.6	585.2	569.0	557.5	552.1
57.5°	602.2	547.1	516.1	493.7	478.7	471.4	468.7
60°	527.1	483.9	455.6	438.0	427.9	418.5	415.8
62.5°	460.7	426.7	404.8	389.4	379.3	375.3	373.6
65°	371.2	348.9	332.7	323.3	315.2	313.8	313.2
67.5°	295.1	282.0	273.5	263.6	260.8	256.1	255.1
70°	252.4	243.7	233.5	230.2	226.8	222.1	222.7
72.5°	214.1	205.3	198.4	194.0	192.8	190.7	192.5
75°	156.6	153.9	151.2	147.8	146.5	146.5	145.8
77.5°	111.8	109.5	106.5	104.5	104.1	101.2	102.3
80°	81.0	77.6	76.3	76.9	74.9	74.2	74.2
82.5°	59.9	58.7	57.4	57.5	57.1	56.4	57.0
85°	33.1	32.4	32.4	31.7	31.7	31.0	31.0
87.5°	15.8	16.6	15.7	15.3	15.4	16.1	16.7
90°	19.6	20.7	21.6	22.3	23.0	23.6	24.3
92.5°	43.4	44.9	45.8	46.3	46.8	47.3	47.8
95°	82.7	84.3	85.3	85.8	86.2	86.7	87.1
97.5°	128.7	130.2	131.0	131.3	131.6	131.9	132.1
100°	161.1	163.1	164.4	164.8	165.3	165.7	166.2
102.5°	194.1	196.3	197.7	198.3	199.0	199.6	200.2
105°	246.2	247.6	248.6	249.3	249.9	250.6	251.3
107.5°	302.8	303.4	303.8	303.7	303.7	303.6	303.6
110°	342.5	343.2	343.4	343.2	342.9	342.7	342.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	381.9	382.2	382.2	381.8	381.4	381.0	380.6
115°	442.1	441.9	441.7	441.4	441.2	441.0	440.8
117.5°	503.3	503.5	503.1	502.2	501.3	500.4	499.5
120°	544.1	544.1	543.7	542.8	541.9	541.0	540.1
122.5°	584.1	583.9	583.5	582.8	582.0	581.3	580.6
125°	643.1	642.6	642.3	642.1	641.8	641.6	641.4
127.5°	702.1	701.9	701.6	701.1	700.7	700.2	699.8
130°	741.0	740.8	740.5	740.0	739.6	739.1	738.7
132.5°	778.3	778.1	777.7	777.0	776.4	775.8	775.1
135°	835.9	835.9	835.5	834.6	833.7	832.8	831.9
137.5°	892.1	892.3	891.9	890.8	889.7	888.5	887.4
140°	927.5	927.9	927.6	926.5	925.3	924.2	923.1
142.5°	961.8	962.1	961.6	960.5	959.4	958.3	957.1
145°	1011.2	1011.2	1010.9	1010.2	1009.5	1008.9	1008.2
147.5°	1057.8	1058.4	1057.9	1056.4	1054.8	1053.3	1051.8
150°	1086.2	1086.2	1086.0	1085.5	1085.1	1084.6	1084.2
152.5°	1113.8	1114.3	1114.2	1113.4	1112.6	1111.7	1110.9
155°	1152.8	1153.7	1153.5	1152.4	1151.3	1150.2	1149.0
157.5°	1186.2	1187.1	1186.8	1185.3	1183.8	1182.3	1180.9
160°	1206.5	1207.4	1207.2	1206.1	1205.0	1203.9	1202.7
162.5°	1225.6	1226.7	1226.6	1225.3	1224.0	1222.7	1221.4
165°	1251.0	1251.9	1251.7	1250.4	1249.0	1247.7	1246.3
167.5°	1270.4	1271.8	1271.8	1270.4	1269.0	1267.6	1266.2
170°	1281.8	1283.1	1283.0	1281.4	1279.9	1278.3	1276.7
172.5°	1289.9	1291.2	1291.2	1289.8	1288.4	1287.0	1285.6
175°	1299.0	1300.4	1300.2	1298.7	1297.1	1295.5	1293.9
177.5°	1302.9	1303.9	1303.8	1302.6	1301.3	1300.1	1298.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

(END OF REPORT)