

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: P333733-935

Luminaire Tested: **S125RDIW-S1270D1340U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333733-935
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-S1270D1340U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8243.8 lumens
Efficiency: N/A
Efficacy: 108.2 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

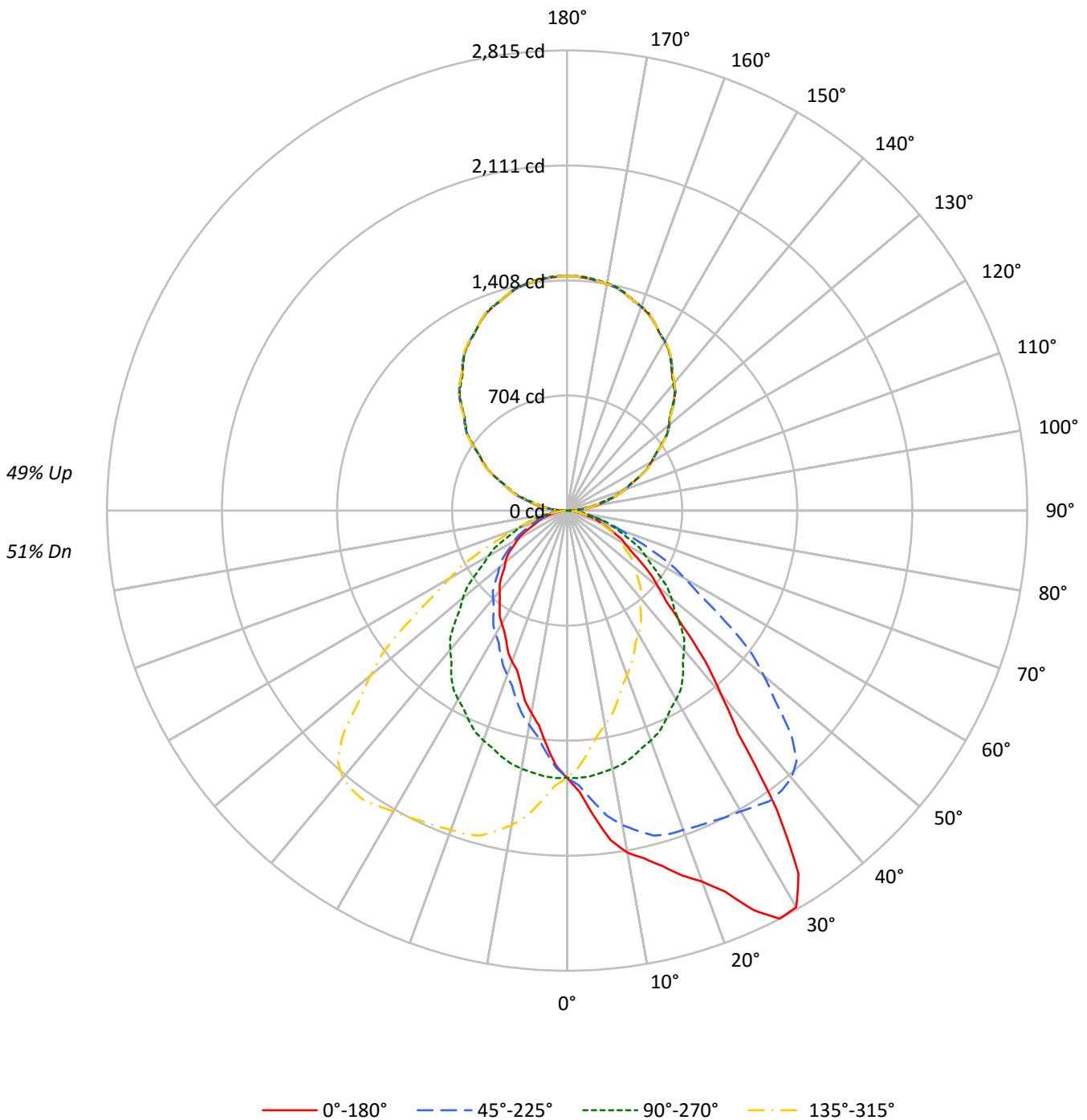
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	67	66	62	59	55	53	50	46	44	42	38
3	82	73	66	60	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	57	51	70	60	54	48	52	47	43	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	33	30	28	25
6	64	52	44	38	59	49	42	36	42	37	32	36	32	28	30	27	24	22
7	59	47	39	34	55	44	37	32	38	33	29	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	25	22	20	17
9	51	39	32	27	47	37	30	25	32	27	23	28	23	20	23	20	18	16
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10559	10559	10559	10559
5°	12149	10573	9337	10573
10°	13935	10519	8239	10519
15°	15051	10411	7324	10411
20°	16597	10287	6763	10287
25°	19207	10120	6274	10120
30°	20901	9945	5956	9945
35°	17631	9742	5662	9742
40°	12312	9377	5409	9377
45°	9134	8882	5161	8882
50°	7283	8368	4950	8368
55°	6182	7731	4761	7731
60°	5341	7161	4456	7161
65°	4759	6544	3836	6544
70°	4181	5995	3497	5995
75°	3618	5190	3284	5190
80°	2745	4366	2745	4366
85°	2290	3431	2586	3431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	1.9
10°-20°	459.5	5.6
20°-30°	728.5	8.8
30°-40°	878.5	10.7
40°-50°	784.5	9.5
50°-60°	601.6	7.3
60°-70°	391.0	4.7
70°-80°	190.1	2.3
80°-90°	48.5	0.6
90°-100°	96.1	1.2
100°-110°	283.9	3.4
110°-120°	480.8	5.8
120°-130°	632.7	7.7
130°-140°	709.0	8.6
140°-150°	694.9	8.4
150°-160°	583.6	7.1
160°-170°	388.0	4.7
170°-180°	135.8	1.6
0°-30°	1344.7	16.3
0°-40°	2223.3	27.0
0°-60°	3609.4	43.8
0°-90°	4239.0	51.4
90°-120°	860.8	10.4
90°-150°	2897.4	35.1
90°-180°	4005.0	48.6
0°-180°	8243.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1635	1635	1635	1635	1635	
5°	1874	1631	1440	1631	1874	187
15°	2251	1557	1095	1557	2251	645
25°	2695	1420	880	1420	2695	1238
35°	2236	1236	718	1236	2236	1351
45°	1000	972	565	972	1000	798
55°	549	687	423	687	549	498
65°	311	428	251	428	311	310
75°	145	208	132	208	145	154
85°	31	46	35	46	31	36
90°	27	1	27	1	27	17
95°	96	73	96	73	96	98
105°	277	255	277	255	277	293
115°	486	481	486	481	486	481
125°	707	702	707	702	707	631
135°	917	914	917	914	917	707
145°	1111	1107	1111	1107	1111	694
155°	1266	1266	1266	1266	1266	583
165°	1374	1377	1374	1377	1374	387
175°	1426	1432	1426	1432	1426	136
180°	1435	1435	1435	1435	1435	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1719.8	1718.7	1720.9	1714.9	1715.5	1706.3	1706.3	1699.4	1690.2	1683.3	1680.1
5°	1873.9	1875.3	1872.5	1862.4	1855.8	1845.7	1834.3	1814.1	1797.3	1781.2	1768.5
7.5°	2032.6	2033.5	2024.6	2021.5	2004.6	1992.3	1966.9	1939.5	1915.2	1884.4	1860.7
10°	2124.9	2124.3	2114.8	2107.5	2092.7	2073.9	2049.1	2016.8	1986.7	1953.1	1920.9
12.5°	2178.6	2176.9	2173.9	2164.9	2151.2	2134.6	2113.5	2081.8	2044.6	2007.9	1970.2
15°	2251.1	2246.3	2237.7	2226.2	2206.7	2187.3	2163.8	2135.6	2100.1	2058.5	2023.5
17.5°	2340.7	2340.9	2327.5	2311.6	2285.2	2250.8	2214.6	2169.0	2120.7	2074.9	2037.8
20°	2414.8	2412.8	2399.4	2368.5	2338.3	2295.3	2253.8	2198.0	2139.0	2079.2	2032.9
22.5°	2521.2	2515.9	2502.0	2461.4	2414.6	2359.2	2295.6	2227.6	2156.2	2088.4	2027.6
25°	2695.4	2691.3	2663.8	2616.8	2551.1	2465.8	2382.6	2289.3	2186.7	2097.4	2023.5
27.5°	2814.6	2810.1	2789.7	2750.7	2690.0	2600.3	2487.7	2363.0	2234.8	2112.0	2005.5
30°	2802.7	2812.8	2810.1	2792.1	2746.4	2665.8	2561.8	2421.6	2269.2	2124.9	1998.0
32.5°	2634.1	2643.2	2666.8	2702.3	2705.0	2672.8	2595.1	2465.6	2307.8	2143.7	1992.1
35°	2236.3	2248.4	2294.0	2365.9	2459.8	2538.3	2554.4	2484.7	2343.0	2166.5	1983.3
37.5°	1719.2	1785.3	1823.7	1899.3	2041.3	2185.7	2324.6	2375.8	2315.5	2157.1	1968.9
40°	1460.4	1476.5	1545.0	1630.2	1749.7	1900.1	2098.1	2241.0	2245.7	2135.6	1946.4
42.5°	1250.0	1270.4	1317.3	1385.4	1487.7	1638.1	1842.5	2031.1	2118.5	2076.6	1916.8
45°	1000.1	1015.5	1049.7	1102.1	1180.6	1304.8	1480.6	1698.7	1871.9	1939.7	1837.6
47.5°	821.5	829.8	859.6	899.5	957.6	1048.1	1184.2	1373.6	1581.2	1726.9	1712.5
50°	724.9	734.3	757.1	787.3	836.3	912.7	1021.5	1179.2	1393.4	1571.2	1606.8
52.5°	649.7	657.5	671.7	700.3	740.7	799.5	887.3	1029.9	1222.6	1411.7	1494.0
55°	549.0	554.4	565.8	581.9	614.2	656.4	732.2	830.9	986.6	1177.2	1298.0
57.5°	466.1	468.7	476.0	490.9	513.2	544.1	598.8	682.4	794.1	965.8	1099.1
60°	413.5	416.1	425.5	435.6	453.1	481.2	524.2	582.6	689.9	831.6	966.5
62.5°	371.5	373.2	377.2	387.3	402.6	424.3	458.1	505.8	591.2	715.6	843.0
65°	311.4	312.1	313.4	321.5	330.9	347.0	369.1	402.7	467.1	561.1	673.8
67.5°	253.7	254.6	259.3	262.2	272.0	280.4	293.4	319.1	364.5	427.8	515.5
70°	221.4	220.8	225.5	228.9	232.2	242.3	251.0	271.8	300.0	348.4	421.5
72.5°	191.4	189.7	191.7	192.9	197.3	204.1	212.9	225.7	247.4	280.7	336.7
75°	145.0	145.7	145.7	147.0	150.3	153.0	155.7	162.4	174.5	196.7	226.9
77.5°	101.8	100.7	103.5	103.9	105.9	108.8	111.2	113.8	118.8	127.9	143.5
80°	73.8	73.8	74.5	76.5	75.9	77.1	80.5	83.3	89.3	94.6	100.0
82.5°	56.7	56.1	56.7	57.2	57.1	58.4	59.6	60.1	62.4	65.1	68.9
85°	30.9	30.9	31.5	31.5	32.2	32.2	32.9	32.9	32.9	33.6	34.3
87.5°	17.1	16.4	15.8	15.7	16.0	16.9	16.1	15.3	15.1	14.8	15.1
90°	26.8	26.1	25.3	24.5	23.8	22.8	21.6	20.3	19.1	17.9	16.1
92.5°	52.7	52.2	51.7	51.1	50.5	49.4	47.8	46.1	44.5	42.9	40.7
95°	96.1	95.6	95.1	94.5	94.0	93.0	91.2	89.5	87.7	86.0	83.5
97.5°	145.7	145.3	145.1	144.7	144.5	143.4	141.8	140.2	138.5	136.9	133.5
100°	183.1	182.7	182.2	181.7	181.2	179.8	177.5	175.4	173.1	170.9	167.6
102.5°	220.7	220.0	219.3	218.6	217.9	216.4	213.9	211.5	209.1	206.6	205.0
105°	277.0	276.2	275.5	274.7	274.0	272.9	271.4	269.9	268.5	266.9	265.4
107.5°	334.6	334.7	334.7	334.8	334.8	334.5	333.7	332.9	332.3	331.5	330.4
110°	377.5	377.7	378.0	378.2	378.5	378.2	377.5	376.8	376.0	375.2	374.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	419.5	419.9	420.4	420.9	421.3	421.3	420.9	420.6	420.3	419.9	419.0
115°	485.9	486.1	486.3	486.6	486.8	487.1	487.3	487.6	487.8	488.1	487.6
117.5°	550.6	551.6	552.6	553.6	554.6	555.0	554.7	554.6	554.4	554.2	553.7
120°	595.3	596.2	597.3	598.2	599.3	599.8	599.8	599.8	599.8	599.8	599.5
122.5°	640.0	640.8	641.5	642.3	643.2	643.6	643.9	644.0	644.2	644.5	643.8
125°	707.0	707.2	707.5	707.7	708.0	708.3	708.9	709.3	709.8	710.3	710.1
127.5°	771.3	771.8	772.3	772.8	773.3	773.7	773.9	774.1	774.4	774.6	774.4
130°	814.2	814.7	815.2	815.7	816.1	816.6	816.8	817.0	817.3	817.5	817.0
132.5°	854.4	855.1	855.7	856.5	857.2	857.6	857.9	858.2	858.4	858.7	858.8
135°	917.0	917.9	918.9	919.9	920.9	921.4	921.4	921.4	921.4	921.4	921.2
137.5°	978.2	979.4	980.6	981.9	983.1	983.6	983.3	983.0	982.7	982.4	981.9
140°	1017.4	1018.7	1019.9	1021.1	1022.4	1022.8	1022.3	1021.8	1021.3	1020.8	1020.0
142.5°	1055.0	1056.2	1057.5	1058.7	1060.0	1060.4	1060.1	1059.8	1059.5	1059.2	1058.3
145°	1111.3	1112.0	1112.8	1113.5	1114.2	1114.7	1114.7	1114.7	1114.7	1114.7	1113.9
147.5°	1159.3	1161.0	1162.7	1164.3	1166.1	1166.6	1166.0	1165.4	1164.8	1164.2	1163.6
150°	1195.1	1195.5	1196.0	1196.5	1197.0	1197.3	1197.3	1197.3	1197.3	1197.3	1196.3
152.5°	1224.5	1225.4	1226.3	1227.2	1228.1	1228.2	1227.6	1227.0	1226.5	1225.9	1225.5
155°	1266.5	1267.7	1269.0	1270.2	1271.4	1271.6	1270.6	1269.6	1268.6	1267.7	1267.4
157.5°	1301.6	1303.2	1304.8	1306.5	1308.1	1308.5	1307.4	1306.5	1305.4	1304.5	1304.2
160°	1325.7	1327.0	1328.2	1329.5	1330.7	1330.8	1329.8	1328.8	1327.8	1326.8	1326.5
162.5°	1346.3	1347.7	1349.1	1350.6	1352.0	1352.1	1350.9	1349.8	1348.6	1347.4	1347.3
165°	1373.7	1375.2	1376.7	1378.2	1379.7	1379.9	1379.0	1377.9	1377.0	1376.0	1375.7
167.5°	1395.6	1397.1	1398.7	1400.2	1401.8	1401.8	1400.3	1398.9	1397.3	1395.9	1395.9
170°	1407.2	1408.9	1410.7	1412.5	1414.2	1414.3	1412.8	1411.4	1409.9	1408.3	1408.3
172.5°	1417.0	1418.6	1420.1	1421.7	1423.2	1423.2	1421.8	1420.3	1418.8	1417.3	1417.3
175°	1426.2	1428.0	1429.7	1431.4	1433.1	1433.3	1431.8	1430.3	1428.8	1427.4	1427.4
177.5°	1431.6	1433.0	1434.3	1435.7	1437.2	1437.3	1436.1	1434.9	1433.7	1432.4	1432.7
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1680.1	1676.3	1669.3	1662.8	1654.8	1647.9	1643.0	1637.1	1629.6	1620.5	1612.9
5°	1754.4	1739.7	1720.2	1703.4	1682.0	1665.2	1647.7	1630.9	1614.1	1592.7	1573.9
7.5°	1836.9	1806.4	1776.7	1739.4	1705.6	1675.3	1646.3	1617.0	1588.2	1557.7	1528.4
10°	1887.3	1850.4	1809.5	1762.5	1719.5	1678.6	1641.0	1604.0	1565.1	1530.9	1494.0
12.5°	1934.6	1886.9	1840.0	1780.7	1729.1	1679.1	1631.3	1585.3	1543.7	1499.3	1459.7
15°	1977.2	1930.3	1877.9	1805.4	1733.6	1673.2	1616.8	1557.1	1505.4	1455.8	1411.4
17.5°	1993.7	1944.5	1883.7	1814.0	1735.5	1659.5	1586.9	1521.4	1460.6	1402.7	1352.9
20°	1987.3	1939.7	1877.2	1810.8	1726.9	1647.7	1569.2	1496.7	1428.9	1367.8	1314.8
22.5°	1971.8	1922.4	1862.2	1792.0	1712.4	1628.4	1544.5	1467.1	1396.1	1332.9	1275.1
25°	1948.4	1881.3	1819.6	1751.0	1675.2	1592.0	1505.4	1420.1	1344.4	1279.9	1216.9
27.5°	1924.1	1840.3	1761.8	1693.8	1613.6	1539.4	1455.9	1368.5	1288.7	1223.1	1158.4
30°	1902.0	1808.1	1721.5	1644.3	1568.5	1498.1	1418.8	1333.6	1251.7	1184.0	1118.2
32.5°	1874.7	1774.8	1679.6	1590.6	1517.5	1447.6	1375.9	1294.4	1214.7	1144.7	1077.9
35°	1840.3	1712.8	1609.5	1514.8	1433.6	1365.8	1301.4	1235.6	1155.7	1083.2	1018.1
37.5°	1795.2	1650.5	1530.9	1427.8	1342.2	1274.1	1223.2	1163.1	1090.2	1020.8	960.4
40°	1767.8	1605.4	1474.5	1372.5	1282.5	1210.7	1163.1	1112.2	1045.7	980.6	920.2
42.5°	1731.3	1564.1	1417.6	1311.3	1220.8	1151.7	1103.5	1058.9	1003.2	941.9	877.2
45°	1659.7	1483.9	1330.2	1216.2	1124.9	1057.0	1012.1	972.5	930.2	873.8	817.4
47.5°	1566.6	1400.3	1239.5	1114.9	1025.5	962.6	918.9	887.7	857.5	809.5	754.8
50°	1492.0	1331.6	1174.5	1053.7	958.4	898.7	857.7	832.9	805.4	761.7	716.1
52.5°	1403.9	1260.7	1106.9	983.3	893.5	837.5	798.1	773.4	750.6	715.1	671.6
55°	1265.2	1139.6	998.7	886.6	804.1	747.7	710.1	686.6	673.2	643.0	608.7
57.5°	1105.0	1015.0	890.8	782.7	709.7	654.0	626.5	606.5	591.3	570.0	545.8
60°	993.3	930.2	818.8	716.1	649.0	596.0	571.2	554.4	540.3	522.2	503.3
62.5°	880.0	834.1	737.2	649.0	587.3	542.9	519.6	504.5	488.2	476.0	457.7
65°	728.2	687.3	620.2	551.0	494.0	458.4	441.6	428.2	418.1	404.7	391.9
67.5°	566.5	549.8	503.5	455.8	414.9	383.2	368.8	359.4	347.2	339.2	330.5
70°	467.1	459.1	426.2	394.7	356.4	334.9	321.5	317.5	302.7	294.6	288.6
72.5°	379.1	375.3	356.4	334.5	307.5	288.7	276.4	271.8	262.4	256.0	252.1
75°	259.8	261.1	257.7	243.7	233.6	221.4	210.8	208.0	201.4	196.0	192.6
77.5°	164.3	171.2	171.4	170.7	166.7	159.4	154.9	152.9	146.3	144.3	143.5
80°	112.8	120.1	126.8	126.1	124.8	122.9	119.5	117.4	114.1	112.1	110.7
82.5°	75.2	82.1	87.6	91.3	91.0	89.0	86.7	85.8	85.1	83.6	83.3
85°	35.6	36.9	38.9	43.7	47.0	47.6	47.0	46.3	44.3	44.9	45.6
87.5°	15.2	14.9	15.1	14.7	13.8	16.0	17.3	17.4	16.7	16.0	15.4
90°	14.4	12.7	10.9	9.0	7.1	5.1	3.1	1.1	3.1	5.1	7.1
92.5°	38.7	36.5	34.4	32.5	31.2	29.8	28.4	27.0	28.4	29.8	31.2
95°	81.0	78.5	76.1	74.6	74.0	73.6	73.1	72.6	73.1	73.6	74.0
97.5°	130.1	126.7	123.2	121.4	121.2	121.1	120.8	120.6	120.8	121.1	121.2
100°	164.5	161.2	158.0	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
102.5°	203.4	201.7	200.1	198.7	197.8	196.7	195.8	194.8	195.8	196.7	197.8
105°	264.0	262.4	261.0	259.6	258.4	257.1	255.9	254.7	255.9	257.1	258.4
107.5°	329.2	328.0	326.9	325.7	324.5	323.2	322.0	320.7	322.0	323.2	324.5
110°	373.8	373.1	372.3	371.3	370.1	368.9	367.6	366.4	367.6	368.9	370.1



TEST NUMBER: P333733-935

CATALOG NUMBER: S125RDIW-S1270D1340U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	418.0	417.1	416.2	415.3	414.7	414.1	413.5	412.8	413.5	414.1	414.7
115°	487.1	486.6	486.1	485.3	484.3	483.4	482.3	481.4	482.3	483.4	484.3
117.5°	553.3	552.8	552.4	552.0	551.5	551.0	550.6	550.2	550.6	551.0	551.5
120°	599.3	599.0	598.7	598.1	596.8	595.6	594.3	593.1	594.3	595.6	596.8
122.5°	643.2	642.5	641.9	641.3	640.8	640.4	640.0	639.6	640.0	640.4	640.8
125°	709.8	709.6	709.3	708.4	707.0	705.5	704.0	702.5	704.0	705.5	707.0
127.5°	774.0	773.8	773.4	772.9	772.1	771.2	770.3	769.5	770.3	771.2	772.1
130°	816.6	816.1	815.5	814.7	813.5	812.2	811.0	809.7	811.0	812.2	813.5
132.5°	858.8	858.9	859.0	858.1	856.0	854.0	852.0	849.9	852.0	854.0	856.0
135°	920.9	920.7	920.4	919.5	918.1	916.5	915.1	913.6	915.1	916.5	918.1
137.5°	981.3	980.8	980.2	979.2	977.8	976.4	974.9	973.4	974.9	976.4	977.8
140°	1019.3	1018.6	1017.8	1016.8	1015.6	1014.3	1013.1	1011.8	1013.1	1014.3	1015.6
142.5°	1057.3	1056.4	1055.4	1054.5	1053.4	1052.4	1051.4	1050.3	1051.4	1052.4	1053.4
145°	1113.1	1112.4	1111.6	1110.8	1109.7	1108.8	1107.8	1106.8	1107.8	1108.8	1109.7
147.5°	1163.0	1162.4	1161.8	1161.2	1160.7	1160.2	1159.6	1159.1	1159.6	1160.2	1160.7
150°	1195.3	1194.3	1193.3	1192.9	1193.2	1193.4	1193.7	1193.9	1193.7	1193.4	1193.2
152.5°	1225.0	1224.7	1224.3	1223.9	1223.6	1223.2	1222.9	1222.5	1222.9	1223.2	1223.6
155°	1267.1	1266.9	1266.6	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5	1266.5
157.5°	1304.0	1303.7	1303.5	1303.6	1304.2	1304.8	1305.3	1305.8	1305.3	1304.8	1304.2
160°	1326.4	1326.1	1325.9	1326.1	1326.8	1327.6	1328.4	1329.0	1328.4	1327.6	1326.8
162.5°	1347.3	1347.2	1347.2	1347.5	1348.0	1348.5	1349.1	1349.6	1349.1	1348.5	1348.0
165°	1375.4	1375.2	1375.0	1375.1	1375.6	1376.1	1376.6	1377.1	1376.6	1376.1	1375.6
167.5°	1395.9	1395.9	1395.9	1396.4	1397.3	1398.4	1399.3	1400.3	1399.3	1398.4	1397.3
170°	1408.3	1408.3	1408.3	1408.9	1409.9	1410.8	1411.9	1412.8	1411.9	1410.8	1409.9
172.5°	1417.3	1417.3	1417.3	1417.8	1418.8	1419.8	1420.7	1421.8	1420.7	1419.8	1418.8
175°	1427.4	1427.4	1427.4	1427.9	1428.8	1429.9	1430.8	1431.8	1430.8	1429.9	1428.8
177.5°	1432.9	1433.0	1433.3	1433.7	1434.6	1435.4	1436.1	1436.9	1436.1	1435.4	1434.6
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



TEST NUMBER: P333733-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1607.6	1600.1	1594.7	1583.9	1576.4	1573.2	1567.3	1565.6	1571.6	1567.3	1566.8
5°	1559.8	1540.3	1524.9	1509.4	1492.6	1482.0	1465.9	1463.1	1459.1	1453.0	1451.7
7.5°	1502.4	1477.1	1457.2	1431.8	1409.5	1391.7	1371.6	1362.0	1356.8	1349.0	1338.6
10°	1463.8	1433.6	1406.8	1381.2	1353.8	1331.6	1311.5	1296.0	1285.9	1276.5	1272.6
12.5°	1425.6	1394.9	1360.6	1329.7	1299.0	1274.1	1251.8	1241.8	1230.6	1219.6	1210.2
15°	1366.5	1325.5	1288.0	1252.4	1226.2	1199.4	1177.8	1163.1	1146.3	1141.7	1123.5
17.5°	1303.6	1263.5	1219.5	1182.1	1151.7	1122.1	1098.5	1081.8	1069.2	1051.9	1043.5
20°	1264.5	1216.9	1173.9	1139.6	1106.0	1071.2	1047.0	1032.9	1020.8	1006.8	1000.1
22.5°	1222.6	1176.0	1132.0	1091.8	1057.7	1023.4	1006.2	991.6	977.8	964.8	956.0
25°	1161.1	1114.1	1067.8	1026.2	990.7	965.8	945.6	928.8	921.5	908.8	899.3
27.5°	1100.3	1050.3	1002.3	960.8	932.9	908.4	891.8	878.6	865.2	854.1	845.9
30°	1061.1	1010.1	957.8	924.9	895.4	871.8	853.7	840.9	830.9	820.8	814.8
32.5°	1021.9	969.3	922.8	887.3	859.4	839.0	820.4	808.2	797.6	786.4	779.4
35°	959.1	905.4	867.8	832.9	805.4	786.6	773.9	756.4	747.7	739.6	732.2
37.5°	900.7	850.8	810.1	779.5	755.6	736.9	720.4	711.0	700.3	693.0	686.9
40°	857.7	812.1	775.2	743.0	725.6	704.7	689.3	677.2	669.2	659.8	653.1
42.5°	819.1	776.7	740.8	711.9	690.1	672.5	657.6	645.5	635.3	628.6	622.9
45°	764.5	722.2	687.3	660.4	640.3	623.5	608.0	602.0	588.6	580.6	577.9
47.5°	707.9	670.1	636.4	611.7	591.0	575.1	560.7	548.4	541.0	533.0	528.7
50°	669.9	633.6	602.0	577.9	557.8	540.3	526.8	518.8	508.8	501.4	496.0
52.5°	631.7	598.1	566.6	543.5	526.1	508.6	493.6	485.5	476.0	471.3	467.5
55°	577.2	541.7	514.8	492.0	473.8	457.7	443.7	435.6	429.6	424.8	423.5
57.5°	515.5	487.2	462.3	441.8	422.9	407.8	395.5	387.8	382.5	381.8	377.7
60°	475.2	449.7	426.9	404.7	388.6	374.5	363.8	355.1	349.7	349.0	347.7
62.5°	434.9	410.4	389.3	369.8	355.3	341.7	331.6	321.8	318.6	315.2	312.2
65°	375.1	353.0	335.6	320.1	304.7	293.3	283.3	277.2	269.8	265.8	258.4
67.5°	316.5	299.4	282.6	269.6	257.4	246.6	238.2	229.3	224.3	221.1	215.7
70°	277.8	264.4	247.6	233.6	224.2	215.4	208.7	198.6	195.3	192.6	189.9
72.5°	241.3	229.5	215.4	204.1	194.7	186.4	178.7	173.9	170.7	167.9	166.3
75°	189.9	178.6	166.4	158.4	151.7	145.0	140.9	137.6	136.2	135.6	132.9
77.5°	139.5	133.5	123.7	117.4	112.9	110.2	106.6	104.9	104.7	101.8	100.8
80°	106.7	103.3	95.3	92.6	89.3	86.6	84.6	81.2	77.8	76.5	74.5
82.5°	79.3	75.9	72.8	68.4	65.6	64.1	62.0	60.8	61.2	59.3	58.4
85°	42.3	38.9	37.6	36.9	35.6	36.9	36.2	35.6	34.9	34.3	34.9
87.5°	15.2	15.6	15.4	16.9	15.6	16.4	16.7	16.4	16.7	16.9	16.6
90°	9.0	10.9	12.7	14.4	16.1	17.9	19.1	20.3	21.6	22.8	23.8
92.5°	32.5	34.4	36.5	38.7	40.7	42.9	44.5	46.1	47.8	49.4	50.5
95°	74.6	76.1	78.5	81.0	83.5	86.0	87.7	89.5	91.2	93.0	94.0
97.5°	121.4	123.2	126.7	130.1	133.5	136.9	138.5	140.2	141.8	143.4	144.5
100°	156.4	158.0	161.2	164.5	167.6	170.9	173.1	175.4	177.5	179.8	181.2
102.5°	198.7	200.1	201.7	203.4	205.0	206.6	209.1	211.5	213.9	216.4	217.9
105°	259.6	261.0	262.4	264.0	265.4	266.9	268.5	269.9	271.4	272.9	274.0
107.5°	325.7	326.9	328.0	329.2	330.4	331.5	332.3	332.9	333.7	334.5	334.8
110°	371.3	372.3	373.1	373.8	374.5	375.2	376.0	376.8	377.5	378.2	378.5



TEST NUMBER: P333733-935

CATALOG NUMBER: S125RDIW-S1270D1340U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	415.3	416.2	417.1	418.0	419.0	419.9	420.3	420.6	420.9	421.3	421.3
115°	485.3	486.1	486.6	487.1	487.6	488.1	487.8	487.6	487.3	487.1	486.8
117.5°	552.0	552.4	552.8	553.3	553.7	554.2	554.4	554.6	554.7	555.0	554.6
120°	598.1	598.7	599.0	599.3	599.5	599.8	599.8	599.8	599.8	599.8	599.3
122.5°	641.3	641.9	642.5	643.2	643.8	644.5	644.2	644.0	643.9	643.6	643.2
125°	708.4	709.3	709.6	709.8	710.1	710.3	709.8	709.3	708.9	708.3	708.0
127.5°	772.9	773.4	773.8	774.0	774.4	774.6	774.4	774.1	773.9	773.7	773.3
130°	814.7	815.5	816.1	816.6	817.0	817.5	817.3	817.0	816.8	816.6	816.1
132.5°	858.1	859.0	858.9	858.8	858.8	858.7	858.4	858.2	857.9	857.6	857.2
135°	919.5	920.4	920.7	920.9	921.2	921.4	921.4	921.4	921.4	921.4	920.9
137.5°	979.2	980.2	980.8	981.3	981.9	982.4	982.7	983.0	983.3	983.6	983.1
140°	1016.8	1017.8	1018.6	1019.3	1020.0	1020.8	1021.3	1021.8	1022.3	1022.8	1022.4
142.5°	1054.5	1055.4	1056.4	1057.3	1058.3	1059.2	1059.5	1059.8	1060.1	1060.4	1060.0
145°	1110.8	1111.6	1112.4	1113.1	1113.9	1114.7	1114.7	1114.7	1114.7	1114.7	1114.2
147.5°	1161.2	1161.8	1162.4	1163.0	1163.6	1164.2	1164.8	1165.4	1166.0	1166.6	1166.1
150°	1192.9	1193.3	1194.3	1195.3	1196.3	1197.3	1197.3	1197.3	1197.3	1197.3	1197.0
152.5°	1223.9	1224.3	1224.7	1225.0	1225.5	1225.9	1226.5	1227.0	1227.6	1228.2	1228.1
155°	1266.5	1266.6	1266.9	1267.1	1267.4	1267.7	1268.6	1269.6	1270.6	1271.6	1271.4
157.5°	1303.6	1303.5	1303.7	1304.0	1304.2	1304.5	1305.4	1306.5	1307.4	1308.5	1308.1
160°	1326.1	1325.9	1326.1	1326.4	1326.5	1326.8	1327.8	1328.8	1329.8	1330.8	1330.7
162.5°	1347.5	1347.2	1347.2	1347.3	1347.3	1347.4	1348.6	1349.8	1350.9	1352.1	1352.0
165°	1375.1	1375.0	1375.2	1375.4	1375.7	1376.0	1377.0	1377.9	1379.0	1379.9	1379.7
167.5°	1396.4	1395.9	1395.9	1395.9	1395.9	1395.9	1397.3	1398.9	1400.3	1401.8	1401.8
170°	1408.9	1408.3	1408.3	1408.3	1408.3	1408.3	1409.9	1411.4	1412.8	1414.3	1414.2
172.5°	1417.8	1417.3	1417.3	1417.3	1417.3	1417.3	1418.8	1420.3	1421.8	1423.2	1423.2
175°	1427.9	1427.4	1427.4	1427.4	1427.4	1427.4	1428.8	1430.3	1431.8	1433.3	1433.1
177.5°	1433.7	1433.3	1433.0	1432.9	1432.7	1432.4	1433.7	1434.9	1436.1	1437.3	1437.2
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



TEST NUMBER: P333733-935

CATALOG NUMBER: S125RDIW-S1270D1340U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1566.2	1560.3	1558.7	1560.8	1558.7	1560.3	1566.2	1566.8	1567.3	1571.6	1565.6
5°	1445.0	1438.3	1441.7	1440.3	1441.7	1438.3	1445.0	1451.7	1453.0	1459.1	1463.1
7.5°	1338.4	1330.1	1321.2	1324.0	1321.2	1330.1	1338.4	1338.6	1349.0	1356.8	1362.0
10°	1263.8	1257.1	1253.0	1256.4	1253.0	1257.1	1263.8	1272.6	1276.5	1285.9	1296.0
12.5°	1201.0	1197.0	1193.4	1192.0	1193.4	1197.0	1201.0	1210.2	1219.6	1230.6	1241.8
15°	1115.4	1107.4	1104.1	1095.4	1104.1	1107.4	1115.4	1123.5	1141.7	1146.3	1163.1
17.5°	1036.6	1034.0	1025.3	1021.5	1025.3	1034.0	1036.6	1043.5	1051.9	1069.2	1081.8
20°	990.0	987.3	978.5	984.0	978.5	987.3	990.0	1000.1	1006.8	1020.8	1032.9
22.5°	951.3	945.4	942.5	941.0	942.5	945.4	951.3	956.0	964.8	977.8	991.6
25°	896.6	887.9	884.6	880.5	884.6	887.9	896.6	899.3	908.8	921.5	928.8
27.5°	842.1	837.5	833.0	832.0	833.0	837.5	842.1	845.9	854.1	865.2	878.6
30°	806.8	802.0	798.7	798.7	798.7	802.0	806.8	814.8	820.8	830.9	840.9
32.5°	775.1	771.5	768.1	767.6	768.1	771.5	775.1	779.4	786.4	797.6	808.2
35°	728.9	723.5	722.2	718.2	722.2	723.5	728.9	732.2	739.6	747.7	756.4
37.5°	681.0	676.5	676.4	676.0	676.4	676.5	681.0	686.9	693.0	700.3	711.0
40°	650.3	647.0	646.4	641.6	646.4	647.0	650.3	653.1	659.8	669.2	677.2
42.5°	617.6	615.9	613.5	611.6	613.5	615.9	617.6	622.9	628.6	635.3	645.5
45°	573.2	568.4	568.4	565.1	568.4	568.4	573.2	577.9	580.6	588.6	602.0
47.5°	527.3	523.7	524.0	520.6	524.0	523.7	527.3	528.7	533.0	541.0	548.4
50°	496.6	494.6	494.0	492.7	494.0	494.6	496.6	496.0	501.4	508.8	518.8
52.5°	466.1	465.1	467.7	464.7	467.7	465.1	466.1	467.5	471.3	476.0	485.5
55°	424.8	422.8	426.9	422.8	426.9	422.8	424.8	423.5	424.8	429.6	435.6
57.5°	377.5	375.6	379.2	377.2	379.2	375.6	377.5	377.7	381.8	382.5	387.8
60°	346.3	342.3	344.3	345.0	344.3	342.3	346.3	347.7	349.0	349.7	355.1
62.5°	309.3	306.9	308.3	305.2	308.3	306.9	309.3	312.2	315.2	318.6	321.8
65°	257.1	255.0	252.4	251.0	252.4	255.0	257.1	258.4	265.8	269.8	277.2
67.5°	215.9	211.1	211.0	212.1	211.0	211.1	215.9	215.7	221.1	224.3	229.3
70°	185.9	185.9	185.2	185.2	185.2	185.9	185.9	189.9	192.6	195.3	198.6
72.5°	165.0	164.5	163.2	162.7	163.2	164.5	165.0	166.3	167.9	170.7	173.9
75°	132.9	133.5	132.2	131.6	132.2	133.5	132.9	132.9	135.6	136.2	137.6
77.5°	98.2	95.3	96.8	95.3	96.8	95.3	98.2	100.8	101.8	104.7	104.9
80°	74.5	73.8	75.9	73.8	75.9	73.8	74.5	74.5	76.5	77.8	81.2
82.5°	58.9	58.3	59.2	57.7	59.2	58.3	58.9	58.4	59.3	61.2	60.8
85°	35.6	34.9	34.3	34.9	34.3	34.9	35.6	34.9	34.3	34.9	35.6
87.5°	17.3	16.9	17.0	17.1	17.0	16.9	17.3	16.6	16.9	16.7	16.4
90°	24.5	25.3	26.1	26.8	26.1	25.3	24.5	23.8	22.8	21.6	20.3
92.5°	51.1	51.7	52.2	52.7	52.2	51.7	51.1	50.5	49.4	47.8	46.1
95°	94.5	95.1	95.6	96.1	95.6	95.1	94.5	94.0	93.0	91.2	89.5
97.5°	144.7	145.1	145.3	145.7	145.3	145.1	144.7	144.5	143.4	141.8	140.2
100°	181.7	182.2	182.7	183.1	182.7	182.2	181.7	181.2	179.8	177.5	175.4
102.5°	218.6	219.3	220.0	220.7	220.0	219.3	218.6	217.9	216.4	213.9	211.5
105°	274.7	275.5	276.2	277.0	276.2	275.5	274.7	274.0	272.9	271.4	269.9
107.5°	334.8	334.7	334.7	334.6	334.7	334.7	334.8	334.8	334.5	333.7	332.9
110°	378.2	378.0	377.7	377.5	377.7	378.0	378.2	378.5	378.2	377.5	376.8



TEST NUMBER: P333733-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	420.9	420.4	419.9	419.5	419.9	420.4	420.9	421.3	421.3	420.9	420.6
115°	486.6	486.3	486.1	485.9	486.1	486.3	486.6	486.8	487.1	487.3	487.6
117.5°	553.6	552.6	551.6	550.6	551.6	552.6	553.6	554.6	555.0	554.7	554.6
120°	598.2	597.3	596.2	595.3	596.2	597.3	598.2	599.3	599.8	599.8	599.8
122.5°	642.3	641.5	640.8	640.0	640.8	641.5	642.3	643.2	643.6	643.9	644.0
125°	707.7	707.5	707.2	707.0	707.2	707.5	707.7	708.0	708.3	708.9	709.3
127.5°	772.8	772.3	771.8	771.3	771.8	772.3	772.8	773.3	773.7	773.9	774.1
130°	815.7	815.2	814.7	814.2	814.7	815.2	815.7	816.1	816.6	816.8	817.0
132.5°	856.5	855.7	855.1	854.4	855.1	855.7	856.5	857.2	857.6	857.9	858.2
135°	919.9	918.9	917.9	917.0	917.9	918.9	919.9	920.9	921.4	921.4	921.4
137.5°	981.9	980.6	979.4	978.2	979.4	980.6	981.9	983.1	983.6	983.3	983.0
140°	1021.1	1019.9	1018.7	1017.4	1018.7	1019.9	1021.1	1022.4	1022.8	1022.3	1021.8
142.5°	1058.7	1057.5	1056.2	1055.0	1056.2	1057.5	1058.7	1060.0	1060.4	1060.1	1059.8
145°	1113.5	1112.8	1112.0	1111.3	1112.0	1112.8	1113.5	1114.2	1114.7	1114.7	1114.7
147.5°	1164.3	1162.7	1161.0	1159.3	1161.0	1162.7	1164.3	1166.1	1166.6	1166.0	1165.4
150°	1196.5	1196.0	1195.5	1195.1	1195.5	1196.0	1196.5	1197.0	1197.3	1197.3	1197.3
152.5°	1227.2	1226.3	1225.4	1224.5	1225.4	1226.3	1227.2	1228.1	1228.2	1227.6	1227.0
155°	1270.2	1269.0	1267.7	1266.5	1267.7	1269.0	1270.2	1271.4	1271.6	1270.6	1269.6
157.5°	1306.5	1304.8	1303.2	1301.6	1303.2	1304.8	1306.5	1308.1	1308.5	1307.4	1306.5
160°	1329.5	1328.2	1327.0	1325.7	1327.0	1328.2	1329.5	1330.7	1330.8	1329.8	1328.8
162.5°	1350.6	1349.1	1347.7	1346.3	1347.7	1349.1	1350.6	1352.0	1352.1	1350.9	1349.8
165°	1378.2	1376.7	1375.2	1373.7	1375.2	1376.7	1378.2	1379.7	1379.9	1379.0	1377.9
167.5°	1400.2	1398.7	1397.1	1395.6	1397.1	1398.7	1400.2	1401.8	1401.8	1400.3	1398.9
170°	1412.5	1410.7	1408.9	1407.2	1408.9	1410.7	1412.5	1414.2	1414.3	1412.8	1411.4
172.5°	1421.7	1420.1	1418.6	1417.0	1418.6	1420.1	1421.7	1423.2	1423.2	1421.8	1420.3
175°	1431.4	1429.7	1428.0	1426.2	1428.0	1429.7	1431.4	1433.1	1433.3	1431.8	1430.3
177.5°	1435.7	1434.3	1433.0	1431.6	1433.0	1434.3	1435.7	1437.2	1437.3	1436.1	1434.9
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



TEST NUMBER: P333733-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1567.3	1573.2	1576.4	1583.9	1594.7	1600.1	1607.6	1612.9	1620.5	1629.6	1637.1
5°	1465.9	1482.0	1492.6	1509.4	1524.9	1540.3	1559.8	1573.9	1592.7	1614.1	1630.9
7.5°	1371.6	1391.7	1409.5	1431.8	1457.2	1477.1	1502.4	1528.4	1557.7	1588.2	1617.0
10°	1311.5	1331.6	1353.8	1381.2	1406.8	1433.6	1463.8	1494.0	1530.9	1565.1	1604.0
12.5°	1251.8	1274.1	1299.0	1329.7	1360.6	1394.9	1425.6	1459.7	1499.3	1543.7	1585.3
15°	1177.8	1199.4	1226.2	1252.4	1288.0	1325.5	1366.5	1411.4	1455.8	1505.4	1557.1
17.5°	1098.5	1122.1	1151.7	1182.1	1219.5	1263.5	1303.6	1352.9	1402.7	1460.6	1521.4
20°	1047.0	1071.2	1106.0	1139.6	1173.9	1216.9	1264.5	1314.8	1367.8	1428.9	1496.7
22.5°	1006.2	1023.4	1057.7	1091.8	1132.0	1176.0	1222.6	1275.1	1332.9	1396.1	1467.1
25°	945.6	965.8	990.7	1026.2	1067.8	1114.1	1161.1	1216.9	1279.9	1344.4	1420.1
27.5°	891.8	908.4	932.9	960.8	1002.3	1050.3	1100.3	1158.4	1223.1	1288.7	1368.5
30°	853.7	871.8	895.4	924.9	957.8	1010.1	1061.1	1118.2	1184.0	1251.7	1333.6
32.5°	820.4	839.0	859.4	887.3	922.8	969.3	1021.9	1077.9	1144.7	1214.7	1294.4
35°	773.9	786.6	805.4	832.9	867.8	905.4	959.1	1018.1	1083.2	1155.7	1235.6
37.5°	720.4	736.9	755.6	779.5	810.1	850.8	900.7	960.4	1020.8	1090.2	1163.1
40°	689.3	704.7	725.6	743.0	775.2	812.1	857.7	920.2	980.6	1045.7	1112.2
42.5°	657.6	672.5	690.1	711.9	740.8	776.7	819.1	877.2	941.9	1003.2	1058.9
45°	608.0	623.5	640.3	660.4	687.3	722.2	764.5	817.4	873.8	930.2	972.5
47.5°	560.7	575.1	591.0	611.7	636.4	670.1	707.9	754.8	809.5	857.5	887.7
50°	526.8	540.3	557.8	577.9	602.0	633.6	669.9	716.1	761.7	805.4	832.9
52.5°	493.6	508.6	526.1	543.5	566.6	598.1	631.7	671.6	715.1	750.6	773.4
55°	443.7	457.7	473.8	492.0	514.8	541.7	577.2	608.7	643.0	673.2	686.6
57.5°	395.5	407.8	422.9	441.8	462.3	487.2	515.5	545.8	570.0	591.3	606.5
60°	363.8	374.5	388.6	404.7	426.9	449.7	475.2	503.3	522.2	540.3	554.4
62.5°	331.6	341.7	355.3	369.8	389.3	410.4	434.9	457.7	476.0	488.2	504.5
65°	283.3	293.3	304.7	320.1	335.6	353.0	375.1	391.9	404.7	418.1	428.2
67.5°	238.2	246.6	257.4	269.6	282.6	299.4	316.5	330.5	339.2	347.2	359.4
70°	208.7	215.4	224.2	233.6	247.6	264.4	277.8	288.6	294.6	302.7	317.5
72.5°	178.7	186.4	194.7	204.1	215.4	229.5	241.3	252.1	256.0	262.4	271.8
75°	140.9	145.0	151.7	158.4	166.4	178.6	189.9	192.6	196.0	201.4	208.0
77.5°	106.6	110.2	112.9	117.4	123.7	133.5	139.5	143.5	144.3	146.3	152.9
80°	84.6	86.6	89.3	92.6	95.3	103.3	106.7	110.7	112.1	114.1	117.4
82.5°	62.0	64.1	65.6	68.4	72.8	75.9	79.3	83.3	83.6	85.1	85.8
85°	36.2	36.9	35.6	36.9	37.6	38.9	42.3	45.6	44.9	44.3	46.3
87.5°	16.7	16.4	15.6	16.9	15.4	15.6	15.2	15.4	16.0	16.7	17.4
90°	19.1	17.9	16.1	14.4	12.7	10.9	9.0	7.1	5.1	3.1	1.1
92.5°	44.5	42.9	40.7	38.7	36.5	34.4	32.5	31.2	29.8	28.4	27.0
95°	87.7	86.0	83.5	81.0	78.5	76.1	74.6	74.0	73.6	73.1	72.6
97.5°	138.5	136.9	133.5	130.1	126.7	123.2	121.4	121.2	121.1	120.8	120.6
100°	173.1	170.9	167.6	164.5	161.2	158.0	156.4	156.4	156.4	156.4	156.4
102.5°	209.1	206.6	205.0	203.4	201.7	200.1	198.7	197.8	196.7	195.8	194.8
105°	268.5	266.9	265.4	264.0	262.4	261.0	259.6	258.4	257.1	255.9	254.7
107.5°	332.3	331.5	330.4	329.2	328.0	326.9	325.7	324.5	323.2	322.0	320.7
110°	376.0	375.2	374.5	373.8	373.1	372.3	371.3	370.1	368.9	367.6	366.4



TEST NUMBER: P333733-935

CATALOG NUMBER: S125RDIW-S1270D1340U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	420.3	419.9	419.0	418.0	417.1	416.2	415.3	414.7	414.1	413.5	412.8
115°	487.8	488.1	487.6	487.1	486.6	486.1	485.3	484.3	483.4	482.3	481.4
117.5°	554.4	554.2	553.7	553.3	552.8	552.4	552.0	551.5	551.0	550.6	550.2
120°	599.8	599.8	599.5	599.3	599.0	598.7	598.1	596.8	595.6	594.3	593.1
122.5°	644.2	644.5	643.8	643.2	642.5	641.9	641.3	640.8	640.4	640.0	639.6
125°	709.8	710.3	710.1	709.8	709.6	709.3	708.4	707.0	705.5	704.0	702.5
127.5°	774.4	774.6	774.4	774.0	773.8	773.4	772.9	772.1	771.2	770.3	769.5
130°	817.3	817.5	817.0	816.6	816.1	815.5	814.7	813.5	812.2	811.0	809.7
132.5°	858.4	858.7	858.8	858.8	858.9	859.0	858.1	856.0	854.0	852.0	849.9
135°	921.4	921.4	921.2	920.9	920.7	920.4	919.5	918.1	916.5	915.1	913.6
137.5°	982.7	982.4	981.9	981.3	980.8	980.2	979.2	977.8	976.4	974.9	973.4
140°	1021.3	1020.8	1020.0	1019.3	1018.6	1017.8	1016.8	1015.6	1014.3	1013.1	1011.8
142.5°	1059.5	1059.2	1058.3	1057.3	1056.4	1055.4	1054.5	1053.4	1052.4	1051.4	1050.3
145°	1114.7	1114.7	1113.9	1113.1	1112.4	1111.6	1110.8	1109.7	1108.8	1107.8	1106.8
147.5°	1164.8	1164.2	1163.6	1163.0	1162.4	1161.8	1161.2	1160.7	1160.2	1159.6	1159.1
150°	1197.3	1197.3	1196.3	1195.3	1194.3	1193.3	1192.9	1193.2	1193.4	1193.7	1193.9
152.5°	1226.5	1225.9	1225.5	1225.0	1224.7	1224.3	1223.9	1223.6	1223.2	1222.9	1222.5
155°	1268.6	1267.7	1267.4	1267.1	1266.9	1266.6	1266.5	1266.5	1266.5	1266.5	1266.5
157.5°	1305.4	1304.5	1304.2	1304.0	1303.7	1303.5	1303.6	1304.2	1304.8	1305.3	1305.8
160°	1327.8	1326.8	1326.5	1326.4	1326.1	1325.9	1326.1	1326.8	1327.6	1328.4	1329.0
162.5°	1348.6	1347.4	1347.3	1347.3	1347.2	1347.2	1347.5	1348.0	1348.5	1349.1	1349.6
165°	1377.0	1376.0	1375.7	1375.4	1375.2	1375.0	1375.1	1375.6	1376.1	1376.6	1377.1
167.5°	1397.3	1395.9	1395.9	1395.9	1395.9	1395.9	1396.4	1397.3	1398.4	1399.3	1400.3
170°	1409.9	1408.3	1408.3	1408.3	1408.3	1408.3	1408.9	1409.9	1410.8	1411.9	1412.8
172.5°	1418.8	1417.3	1417.3	1417.3	1417.3	1417.3	1417.8	1418.8	1419.8	1420.7	1421.8
175°	1428.8	1427.4	1427.4	1427.4	1427.4	1427.4	1427.9	1428.8	1429.9	1430.8	1431.8
177.5°	1433.7	1432.4	1432.7	1432.9	1433.0	1433.3	1433.7	1434.6	1435.4	1436.1	1436.9
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



TEST NUMBER: P333733-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1643.0	1647.9	1654.8	1662.8	1669.3	1676.3	1680.1	1680.1	1683.3	1690.2	1699.4
5°	1647.7	1665.2	1682.0	1703.4	1720.2	1739.7	1754.4	1768.5	1781.2	1797.3	1814.1
7.5°	1646.3	1675.3	1705.6	1739.4	1776.7	1806.4	1836.9	1860.7	1884.4	1915.2	1939.5
10°	1641.0	1678.6	1719.5	1762.5	1809.5	1850.4	1887.3	1920.9	1953.1	1986.7	2016.8
12.5°	1631.3	1679.1	1729.1	1780.7	1840.0	1886.9	1934.6	1970.2	2007.9	2044.6	2081.8
15°	1616.8	1673.2	1733.6	1805.4	1877.9	1930.3	1977.2	2023.5	2058.5	2100.1	2135.6
17.5°	1586.9	1659.5	1735.5	1814.0	1883.7	1944.5	1993.7	2037.8	2074.9	2120.7	2169.0
20°	1569.2	1647.7	1726.9	1810.8	1877.2	1939.7	1987.3	2032.9	2079.2	2139.0	2198.0
22.5°	1544.5	1628.4	1712.4	1792.0	1862.2	1922.4	1971.8	2027.6	2088.4	2156.2	2227.6
25°	1505.4	1592.0	1675.2	1751.0	1819.6	1881.3	1948.4	2023.5	2097.4	2186.7	2289.3
27.5°	1455.9	1539.4	1613.6	1693.8	1761.8	1840.3	1924.1	2005.5	2112.0	2234.8	2363.0
30°	1418.8	1498.1	1568.5	1644.3	1721.5	1808.1	1902.0	1998.0	2124.9	2269.2	2421.6
32.5°	1375.9	1447.6	1517.5	1590.6	1679.6	1774.8	1874.7	1992.1	2143.7	2307.8	2465.6
35°	1301.4	1365.8	1433.6	1514.8	1609.5	1712.8	1840.3	1983.3	2166.5	2343.0	2484.7
37.5°	1223.2	1274.1	1342.2	1427.8	1530.9	1650.5	1795.2	1968.9	2157.1	2315.5	2375.8
40°	1163.1	1210.7	1282.5	1372.5	1474.5	1605.4	1767.8	1946.4	2135.6	2245.7	2241.0
42.5°	1103.5	1151.7	1220.8	1311.3	1417.6	1564.1	1731.3	1916.8	2076.6	2118.5	2031.1
45°	1012.1	1057.0	1124.9	1216.2	1330.2	1483.9	1659.7	1837.6	1939.7	1871.9	1698.7
47.5°	918.9	962.6	1025.5	1114.9	1239.5	1400.3	1566.6	1712.5	1726.9	1581.2	1373.6
50°	857.7	898.7	958.4	1053.7	1174.5	1331.6	1492.0	1606.8	1571.2	1393.4	1179.2
52.5°	798.1	837.5	893.5	983.3	1106.9	1260.7	1403.9	1494.0	1411.7	1222.6	1029.9
55°	710.1	747.7	804.1	886.6	998.7	1139.6	1265.2	1298.0	1177.2	986.6	830.9
57.5°	626.5	654.0	709.7	782.7	890.8	1015.0	1105.0	1099.1	965.8	794.1	682.4
60°	571.2	596.0	649.0	716.1	818.8	930.2	993.3	966.5	831.6	689.9	582.6
62.5°	519.6	542.9	587.3	649.0	737.2	834.1	880.0	843.0	715.6	591.2	505.8
65°	441.6	458.4	494.0	551.0	620.2	687.3	728.2	673.8	561.1	467.1	402.7
67.5°	368.8	383.2	414.9	455.8	503.5	549.8	566.5	515.5	427.8	364.5	319.1
70°	321.5	334.9	356.4	394.7	426.2	459.1	467.1	421.5	348.4	300.0	271.8
72.5°	276.4	288.7	307.5	334.5	356.4	375.3	379.1	336.7	280.7	247.4	225.7
75°	210.8	221.4	233.6	243.7	257.7	261.1	259.8	226.9	196.7	174.5	162.4
77.5°	154.9	159.4	166.7	170.7	171.4	171.2	164.3	143.5	127.9	118.8	113.8
80°	119.5	122.9	124.8	126.1	126.8	120.1	112.8	100.0	94.6	89.3	83.3
82.5°	86.7	89.0	91.0	91.3	87.6	82.1	75.2	68.9	65.1	62.4	60.1
85°	47.0	47.6	47.0	43.7	38.9	36.9	35.6	34.3	33.6	32.9	32.9
87.5°	17.3	16.0	13.8	14.7	15.1	14.9	15.2	15.1	14.8	15.1	15.3
90°	3.1	5.1	7.1	9.0	10.9	12.7	14.4	16.1	17.9	19.1	20.3
92.5°	28.4	29.8	31.2	32.5	34.4	36.5	38.7	40.7	42.9	44.5	46.1
95°	73.1	73.6	74.0	74.6	76.1	78.5	81.0	83.5	86.0	87.7	89.5
97.5°	120.8	121.1	121.2	121.4	123.2	126.7	130.1	133.5	136.9	138.5	140.2
100°	156.4	156.4	156.4	156.4	158.0	161.2	164.5	167.6	170.9	173.1	175.4
102.5°	195.8	196.7	197.8	198.7	200.1	201.7	203.4	205.0	206.6	209.1	211.5
105°	255.9	257.1	258.4	259.6	261.0	262.4	264.0	265.4	266.9	268.5	269.9
107.5°	322.0	323.2	324.5	325.7	326.9	328.0	329.2	330.4	331.5	332.3	332.9
110°	367.6	368.9	370.1	371.3	372.3	373.1	373.8	374.5	375.2	376.0	376.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	413.5	414.1	414.7	415.3	416.2	417.1	418.0	419.0	419.9	420.3	420.6
115°	482.3	483.4	484.3	485.3	486.1	486.6	487.1	487.6	488.1	487.8	487.6
117.5°	550.6	551.0	551.5	552.0	552.4	552.8	553.3	553.7	554.2	554.4	554.6
120°	594.3	595.6	596.8	598.1	598.7	599.0	599.3	599.5	599.8	599.8	599.8
122.5°	640.0	640.4	640.8	641.3	641.9	642.5	643.2	643.8	644.5	644.2	644.0
125°	704.0	705.5	707.0	708.4	709.3	709.6	709.8	710.1	710.3	709.8	709.3
127.5°	770.3	771.2	772.1	772.9	773.4	773.8	774.0	774.4	774.6	774.4	774.1
130°	811.0	812.2	813.5	814.7	815.5	816.1	816.6	817.0	817.5	817.3	817.0
132.5°	852.0	854.0	856.0	858.1	859.0	858.9	858.8	858.8	858.7	858.4	858.2
135°	915.1	916.5	918.1	919.5	920.4	920.7	920.9	921.2	921.4	921.4	921.4
137.5°	974.9	976.4	977.8	979.2	980.2	980.8	981.3	981.9	982.4	982.7	983.0
140°	1013.1	1014.3	1015.6	1016.8	1017.8	1018.6	1019.3	1020.0	1020.8	1021.3	1021.8
142.5°	1051.4	1052.4	1053.4	1054.5	1055.4	1056.4	1057.3	1058.3	1059.2	1059.5	1059.8
145°	1107.8	1108.8	1109.7	1110.8	1111.6	1112.4	1113.1	1113.9	1114.7	1114.7	1114.7
147.5°	1159.6	1160.2	1160.7	1161.2	1161.8	1162.4	1163.0	1163.6	1164.2	1164.8	1165.4
150°	1193.7	1193.4	1193.2	1192.9	1193.3	1194.3	1195.3	1196.3	1197.3	1197.3	1197.3
152.5°	1222.9	1223.2	1223.6	1223.9	1224.3	1224.7	1225.0	1225.5	1225.9	1226.5	1227.0
155°	1266.5	1266.5	1266.5	1266.5	1266.6	1266.9	1267.1	1267.4	1267.7	1268.6	1269.6
157.5°	1305.3	1304.8	1304.2	1303.6	1303.5	1303.7	1304.0	1304.2	1304.5	1305.4	1306.5
160°	1328.4	1327.6	1326.8	1326.1	1325.9	1326.1	1326.4	1326.5	1326.8	1327.8	1328.8
162.5°	1349.1	1348.5	1348.0	1347.5	1347.2	1347.2	1347.3	1347.3	1347.4	1348.6	1349.8
165°	1376.6	1376.1	1375.6	1375.1	1375.0	1375.2	1375.4	1375.7	1376.0	1377.0	1377.9
167.5°	1399.3	1398.4	1397.3	1396.4	1395.9	1395.9	1395.9	1395.9	1395.9	1397.3	1398.9
170°	1411.9	1410.8	1409.9	1408.9	1408.3	1408.3	1408.3	1408.3	1408.3	1409.9	1411.4
172.5°	1420.7	1419.8	1418.8	1417.8	1417.3	1417.3	1417.3	1417.3	1417.3	1418.8	1420.3
175°	1430.8	1429.9	1428.8	1427.9	1427.4	1427.4	1427.4	1427.4	1427.4	1428.8	1430.3
177.5°	1436.1	1435.4	1434.6	1433.7	1433.3	1433.0	1432.9	1432.7	1432.4	1433.7	1434.9
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1706.3	1706.3	1715.5	1714.9	1720.9	1718.7	1719.8
5°	1834.3	1845.7	1855.8	1862.4	1872.5	1875.3	1873.9
7.5°	1966.9	1992.3	2004.6	2021.5	2024.6	2033.5	2032.6
10°	2049.1	2073.9	2092.7	2107.5	2114.8	2124.3	2124.9
12.5°	2113.5	2134.6	2151.2	2164.9	2173.9	2176.9	2178.6
15°	2163.8	2187.3	2206.7	2226.2	2237.7	2246.3	2251.1
17.5°	2214.6	2250.8	2285.2	2311.6	2327.5	2340.9	2340.7
20°	2253.8	2295.3	2338.3	2368.5	2399.4	2412.8	2414.8
22.5°	2295.6	2359.2	2414.6	2461.4	2502.0	2515.9	2521.2
25°	2382.6	2465.8	2551.1	2616.8	2663.8	2691.3	2695.4
27.5°	2487.7	2600.3	2690.0	2750.7	2789.7	2810.1	2814.6
30°	2561.8	2665.8	2746.4	2792.1	2810.1	2812.8	2802.7
32.5°	2595.1	2672.8	2705.0	2702.3	2666.8	2643.2	2634.1
35°	2554.4	2538.3	2459.8	2365.9	2294.0	2248.4	2236.3
37.5°	2324.6	2185.7	2041.3	1899.3	1823.7	1785.3	1719.2
40°	2098.1	1900.1	1749.7	1630.2	1545.0	1476.5	1460.4
42.5°	1842.5	1638.1	1487.7	1385.4	1317.3	1270.4	1250.0
45°	1480.6	1304.8	1180.6	1102.1	1049.7	1015.5	1000.1
47.5°	1184.2	1048.1	957.6	899.5	859.6	829.8	821.5
50°	1021.5	912.7	836.3	787.3	757.1	734.3	724.9
52.5°	887.3	799.5	740.7	700.3	671.7	657.5	649.7
55°	732.2	656.4	614.2	581.9	565.8	554.4	549.0
57.5°	598.8	544.1	513.2	490.9	476.0	468.7	466.1
60°	524.2	481.2	453.1	435.6	425.5	416.1	413.5
62.5°	458.1	424.3	402.6	387.3	377.2	373.2	371.5
65°	369.1	347.0	330.9	321.5	313.4	312.1	311.4
67.5°	293.4	280.4	272.0	262.2	259.3	254.6	253.7
70°	251.0	242.3	232.2	228.9	225.5	220.8	221.4
72.5°	212.9	204.1	197.3	192.9	191.7	189.7	191.4
75°	155.7	153.0	150.3	147.0	145.7	145.7	145.0
77.5°	111.2	108.8	105.9	103.9	103.5	100.7	101.8
80°	80.5	77.1	75.9	76.5	74.5	73.8	73.8
82.5°	59.6	58.4	57.1	57.2	56.7	56.1	56.7
85°	32.9	32.2	32.2	31.5	31.5	30.9	30.9
87.5°	16.1	16.9	16.0	15.7	15.8	16.4	17.1
90°	21.6	22.8	23.8	24.5	25.3	26.1	26.8
92.5°	47.8	49.4	50.5	51.1	51.7	52.2	52.7
95°	91.2	93.0	94.0	94.5	95.1	95.6	96.1
97.5°	141.8	143.4	144.5	144.7	145.1	145.3	145.7
100°	177.5	179.8	181.2	181.7	182.2	182.7	183.1
102.5°	213.9	216.4	217.9	218.6	219.3	220.0	220.7
105°	271.4	272.9	274.0	274.7	275.5	276.2	277.0
107.5°	333.7	334.5	334.8	334.8	334.7	334.7	334.6
110°	377.5	378.2	378.5	378.2	378.0	377.7	377.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	420.9	421.3	421.3	420.9	420.4	419.9	419.5
115°	487.3	487.1	486.8	486.6	486.3	486.1	485.9
117.5°	554.7	555.0	554.6	553.6	552.6	551.6	550.6
120°	599.8	599.8	599.3	598.2	597.3	596.2	595.3
122.5°	643.9	643.6	643.2	642.3	641.5	640.8	640.0
125°	708.9	708.3	708.0	707.7	707.5	707.2	707.0
127.5°	773.9	773.7	773.3	772.8	772.3	771.8	771.3
130°	816.8	816.6	816.1	815.7	815.2	814.7	814.2
132.5°	857.9	857.6	857.2	856.5	855.7	855.1	854.4
135°	921.4	921.4	920.9	919.9	918.9	917.9	917.0
137.5°	983.3	983.6	983.1	981.9	980.6	979.4	978.2
140°	1022.3	1022.8	1022.4	1021.1	1019.9	1018.7	1017.4
142.5°	1060.1	1060.4	1060.0	1058.7	1057.5	1056.2	1055.0
145°	1114.7	1114.7	1114.2	1113.5	1112.8	1112.0	1111.3
147.5°	1166.0	1166.6	1166.1	1164.3	1162.7	1161.0	1159.3
150°	1197.3	1197.3	1197.0	1196.5	1196.0	1195.5	1195.1
152.5°	1227.6	1228.2	1228.1	1227.2	1226.3	1225.4	1224.5
155°	1270.6	1271.6	1271.4	1270.2	1269.0	1267.7	1266.5
157.5°	1307.4	1308.5	1308.1	1306.5	1304.8	1303.2	1301.6
160°	1329.8	1330.8	1330.7	1329.5	1328.2	1327.0	1325.7
162.5°	1350.9	1352.1	1352.0	1350.6	1349.1	1347.7	1346.3
165°	1379.0	1379.9	1379.7	1378.2	1376.7	1375.2	1373.7
167.5°	1400.3	1401.8	1401.8	1400.2	1398.7	1397.1	1395.6
170°	1412.8	1414.3	1414.2	1412.5	1410.7	1408.9	1407.2
172.5°	1421.8	1423.2	1423.2	1421.7	1420.1	1418.6	1417.0
175°	1431.8	1433.3	1433.1	1431.4	1429.7	1428.0	1426.2
177.5°	1436.1	1437.3	1437.2	1435.7	1434.3	1433.0	1431.6
180°	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2	1435.2

(END OF REPORT)