

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: P333736-940

Luminaire Tested: **S125RDIW-S1270D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333736-940  
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: S125RDIW-S1270D1560U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

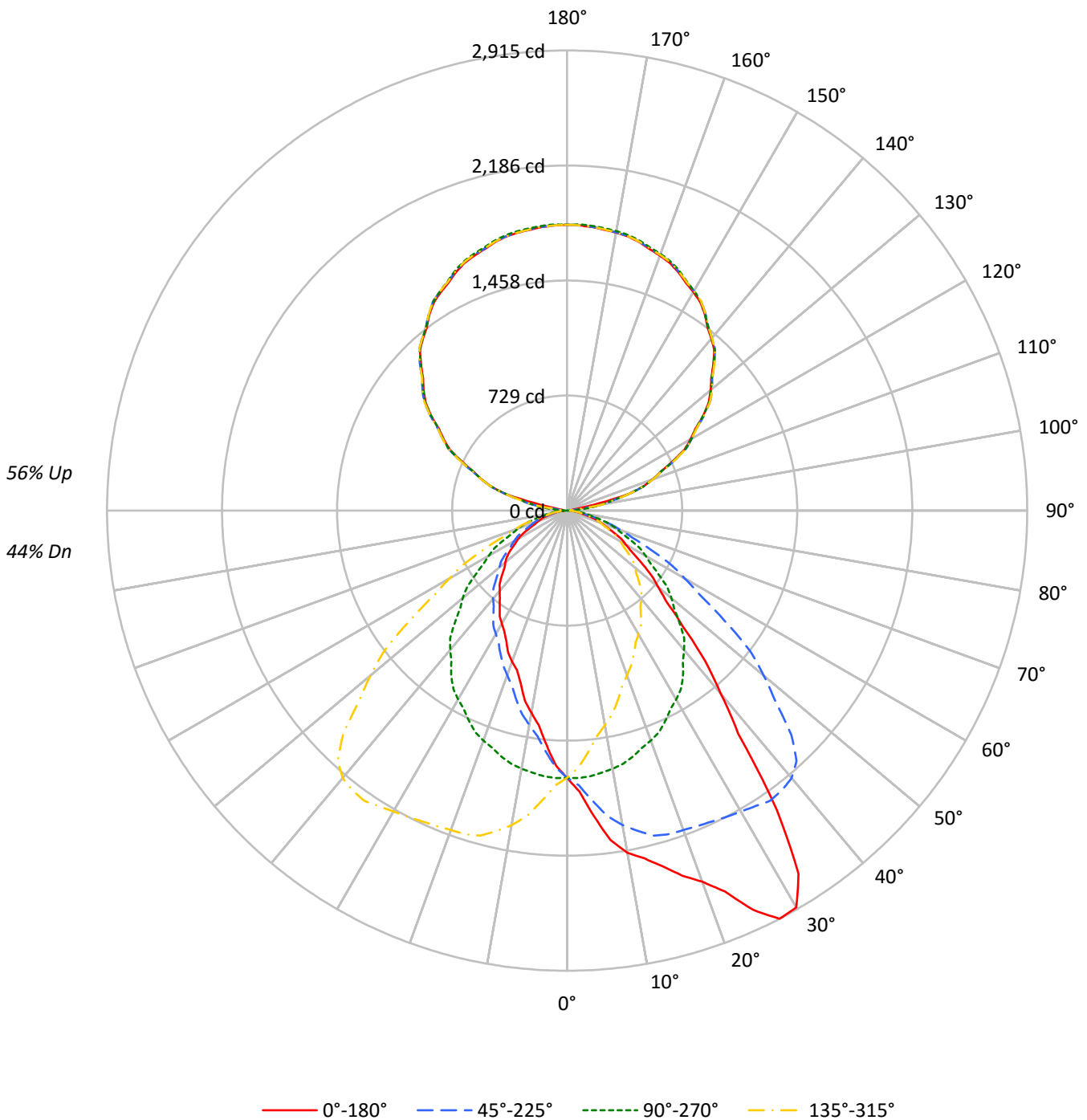
Lumens per Lamp: N/A  
Luminaire Lumens: 9951.4 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 82.9  
Input Voltage (V): 120  
Input Current (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	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	93	89	86	89	85	82	79	71	69	66	58	56	55	45	44	44	38				
2	88	81	75	71	81	75	70	65	62	59	56	51	48	46	40	39	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	32	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	33	30	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	21	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

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

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	1.6
10°-20°	475.9	4.8
20°-30°	754.5	7.6
30°-40°	909.8	9.1
40°-50°	812.5	8.2
50°-60°	623.1	6.3
60°-70°	404.9	4.1
70°-80°	196.9	2.0
80°-90°	50.8	0.5
90°-100°	65.8	0.7
100°-110°	405.6	4.1
110°-120°	735.5	7.4
120°-130°	944.0	9.5
130°-140°	1015.3	10.2
140°-150°	953.0	9.6
150°-160°	770.9	7.7
160°-170°	498.6	5.0
170°-180°	172.0	1.7
0°-30°	1392.7	14.0
0°-40°	2302.6	23.1
0°-60°	3738.2	37.6
0°-90°	4390.7	44.1
90°-120°	1206.9	12.1
90°-150°	4119.2	41.4
90°-180°	5561.0	55.9
0°-180°	9951.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	38
90°	32	1	32	1	32	15
95°	28	76	28	76	28	23
105°	399	395	399	395	399	360
115°	736	741	736	741	736	730
125°	1054	1054	1054	1054	1054	937
135°	1309	1314	1309	1314	1309	1010
145°	1520	1524	1520	1524	1520	949
155°	1666	1678	1666	1678	1666	768
165°	1761	1771	1761	1771	1761	497
175°	1803	1811	1803	1811	1803	172
180°	1811	1811	1811	1811	1811	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	18.6	17.9	17.2	17.0	17.4	18.3	17.4	16.6	16.2	16.0	16.1
90°	32.2	31.3	30.4	29.5	28.6	27.5	25.9	24.4	23.0	21.5	19.4
92.5°	30.1	29.7	29.2	28.8	28.4	27.5	25.9	24.4	23.0	21.5	19.6
95°	28.2	28.2	28.2	28.2	28.2	27.5	25.9	24.4	23.0	21.5	32.8
97.5°	28.2	28.2	28.2	28.2	28.2	32.4	40.8	49.2	57.6	66.1	88.5
100°	28.2	29.4	30.6	31.7	33.0	55.8	100.2	144.6	189.1	233.5	232.4
102.5°	168.9	189.1	209.5	229.7	250.0	264.4	272.8	281.2	289.6	298.0	297.3
105°	398.7	399.0	399.3	399.6	399.8	400.0	400.0	400.0	400.0	400.0	400.0
107.5°	502.6	503.5	504.4	505.2	506.1	506.6	506.5	506.5	506.4	506.3	505.8
110°	574.5	574.3	573.9	573.6	573.4	573.6	574.5	575.4	576.3	577.2	576.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	638.9	639.4	639.8	640.2	640.6	641.4	642.6	643.6	644.8	646.0	645.6
115°	735.6	737.4	739.1	741.0	742.8	744.2	745.5	746.6	747.8	749.0	748.8
117.5°	838.7	839.5	840.3	841.1	841.8	842.9	844.5	846.1	847.6	849.2	848.0
120°	902.1	903.6	905.0	906.5	908.0	909.1	909.6	910.3	910.9	911.4	910.5
122.5°	962.2	963.9	965.6	967.4	969.1	970.3	970.9	971.4	972.1	972.7	972.2
125°	1053.7	1054.6	1055.5	1056.4	1057.3	1058.4	1059.5	1060.8	1061.9	1063.1	1063.1
127.5°	1130.8	1133.0	1135.2	1137.4	1139.6	1141.0	1141.7	1142.4	1143.0	1143.7	1143.9
130°	1186.6	1188.1	1189.6	1191.1	1192.6	1193.8	1194.7	1195.6	1196.5	1197.4	1197.0
132.5°	1238.1	1239.7	1241.2	1242.7	1244.1	1245.0	1245.2	1245.4	1245.5	1245.7	1246.3
135°	1308.8	1310.5	1312.3	1314.1	1315.9	1317.1	1317.8	1318.3	1318.9	1319.6	1320.1
137.5°	1379.7	1381.2	1382.8	1384.3	1385.9	1386.6	1386.4	1386.3	1386.3	1386.1	1386.6
140°	1421.6	1423.3	1425.1	1426.9	1428.7	1429.3	1428.7	1428.1	1427.5	1426.9	1427.2
142.5°	1461.2	1463.0	1464.8	1466.6	1468.5	1469.3	1469.2	1469.0	1468.9	1468.8	1468.4
145°	1519.6	1521.3	1523.1	1524.9	1526.7	1527.4	1527.1	1526.9	1526.5	1526.3	1526.3
147.5°	1567.6	1569.8	1571.9	1574.0	1576.2	1577.1	1576.7	1576.4	1576.0	1575.7	1575.3
150°	1598.7	1601.2	1603.5	1605.9	1608.3	1609.2	1608.6	1607.9	1607.4	1606.8	1606.1
152.5°	1627.7	1629.9	1632.0	1634.1	1636.3	1637.1	1636.5	1635.9	1635.3	1634.7	1634.1
155°	1665.8	1668.2	1670.6	1673.0	1675.3	1676.1	1675.3	1674.4	1673.5	1672.6	1672.0
157.5°	1697.8	1700.1	1702.5	1705.0	1707.4	1708.1	1707.1	1706.1	1705.2	1704.2	1704.1
160°	1718.2	1720.6	1723.0	1725.4	1727.8	1728.3	1727.2	1725.9	1724.7	1723.6	1723.2
162.5°	1736.4	1739.1	1741.7	1744.4	1747.0	1747.4	1745.8	1744.1	1742.4	1740.7	1740.4
165°	1761.1	1763.5	1765.9	1768.4	1770.7	1771.0	1769.2	1767.4	1765.6	1763.8	1763.5
167.5°	1778.3	1781.0	1783.7	1786.4	1789.0	1789.3	1787.2	1785.0	1782.9	1780.7	1780.5
170°	1788.0	1790.6	1793.4	1796.1	1798.8	1798.8	1796.5	1794.1	1791.7	1789.3	1789.0
172.5°	1794.5	1797.2	1799.8	1802.5	1805.2	1805.4	1803.3	1801.2	1799.0	1796.9	1796.4
175°	1802.8	1805.4	1808.1	1810.8	1813.5	1813.7	1811.2	1808.8	1806.5	1804.1	1803.8
177.5°	1807.6	1809.5	1811.4	1813.3	1815.3	1815.3	1813.7	1812.0	1810.4	1808.7	1808.4
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	16.2	15.9	16.0	15.5	14.4	16.8	18.0	18.1	17.4	16.8	16.1
90°	17.3	15.2	13.1	10.9	8.5	6.2	3.7	1.3	3.7	6.2	8.5
92.5°	17.7	16.0	14.1	14.0	15.7	17.3	19.0	20.7	19.0	17.3	15.7
95°	44.1	55.5	66.8	72.9	73.8	74.7	75.6	76.5	75.6	74.7	73.8
97.5°	110.9	133.3	155.8	166.2	164.6	162.9	161.3	159.7	161.3	162.9	164.6
100°	231.2	230.0	228.8	227.7	226.9	226.0	225.1	224.2	225.1	226.0	226.9
102.5°	296.6	295.9	295.2	294.2	293.1	291.9	290.8	289.7	290.8	291.9	293.1
105°	400.0	400.0	400.0	399.4	398.2	397.1	395.8	394.7	395.8	397.1	398.2
107.5°	505.2	504.5	503.9	503.6	503.6	503.6	503.6	503.6	503.6	503.6	503.6
110°	576.0	575.4	574.8	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5





TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	645.2	644.9	644.5	644.0	643.3	642.6	641.9	641.1	641.9	642.6	643.3
115°	748.4	748.1	747.8	746.9	745.5	744.0	742.4	741.0	742.4	744.0	745.5
117.5°	846.9	845.8	844.6	844.1	844.2	844.2	844.3	844.4	844.3	844.2	844.2
120°	909.6	908.7	907.9	907.6	907.9	908.2	908.5	908.7	908.5	908.2	907.9
122.5°	971.8	971.4	971.0	970.2	969.1	968.0	966.8	965.7	966.8	968.0	969.1
125°	1063.1	1063.1	1063.1	1062.1	1060.0	1057.9	1055.8	1053.7	1055.8	1057.9	1060.0
127.5°	1144.1	1144.2	1144.4	1143.7	1142.3	1140.8	1139.2	1137.7	1139.2	1140.8	1142.3
130°	1196.8	1196.5	1196.1	1195.2	1193.8	1192.3	1190.8	1189.3	1190.8	1192.3	1193.8
132.5°	1247.0	1247.7	1248.3	1247.8	1246.1	1244.3	1242.6	1240.8	1242.6	1244.3	1246.1
135°	1320.7	1321.3	1321.9	1321.3	1319.6	1317.8	1315.9	1314.1	1315.9	1317.8	1319.6
137.5°	1387.1	1387.7	1388.2	1387.8	1386.2	1384.6	1383.0	1381.5	1383.0	1384.6	1386.2
140°	1427.5	1427.8	1428.1	1428.0	1427.4	1426.7	1426.2	1425.6	1426.2	1426.7	1427.4
142.5°	1467.9	1467.6	1467.1	1466.7	1466.3	1466.0	1465.6	1465.3	1465.6	1466.0	1466.3
145°	1526.3	1526.3	1526.3	1526.0	1525.4	1524.7	1524.1	1523.6	1524.1	1524.7	1525.4
147.5°	1574.9	1574.6	1574.2	1574.0	1574.2	1574.3	1574.4	1574.6	1574.4	1574.3	1574.2
150°	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1606.1	1605.6	1605.0
152.5°	1633.5	1632.9	1632.3	1632.6	1634.0	1635.3	1636.6	1637.9	1636.6	1635.3	1634.0
155°	1671.3	1670.8	1670.2	1670.8	1672.6	1674.4	1676.1	1677.9	1676.1	1674.4	1672.6
157.5°	1704.1	1704.1	1704.0	1704.5	1705.6	1706.6	1707.7	1708.8	1707.7	1706.6	1705.6
160°	1723.0	1722.7	1722.3	1723.1	1724.9	1726.7	1728.5	1730.3	1728.5	1726.7	1724.9
162.5°	1740.2	1739.8	1739.5	1740.3	1742.0	1743.9	1745.7	1747.5	1745.7	1743.9	1742.0
165°	1763.3	1762.9	1762.6	1763.4	1765.1	1766.9	1768.8	1770.6	1768.8	1766.9	1765.1
167.5°	1780.1	1779.9	1779.6	1780.3	1782.2	1784.0	1785.9	1787.7	1785.9	1784.0	1782.2
170°	1788.8	1788.4	1788.1	1789.0	1791.1	1793.2	1795.3	1797.4	1795.3	1793.2	1791.1
172.5°	1795.8	1795.3	1794.7	1795.5	1797.6	1799.7	1801.8	1803.8	1801.8	1799.7	1797.6
175°	1803.5	1803.2	1803.0	1803.7	1805.4	1807.2	1809.0	1810.8	1809.0	1807.2	1805.4
177.5°	1808.2	1807.9	1807.7	1808.3	1809.7	1811.2	1812.6	1814.0	1812.6	1811.2	1809.7
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	16.1	16.5	16.4	17.9	16.7	17.7	17.9	17.7	18.0	18.3	17.9
90°	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.4	25.9	27.5	28.6
92.5°	14.0	14.1	16.0	17.7	19.6	21.5	23.0	24.4	25.9	27.5	28.4
95°	72.9	66.8	55.5	44.1	32.8	21.5	23.0	24.4	25.9	27.5	28.2
97.5°	166.2	155.8	133.3	110.9	88.5	66.1	57.6	49.2	40.8	32.4	28.2
100°	227.7	228.8	230.0	231.2	232.4	233.5	189.1	144.6	100.2	55.8	33.0
102.5°	294.2	295.2	295.9	296.6	297.3	298.0	289.6	281.2	272.8	264.4	250.0
105°	399.4	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	399.8
107.5°	503.6	503.9	504.5	505.2	505.8	506.3	506.4	506.5	506.5	506.6	506.1
110°	574.5	574.8	575.4	576.0	576.6	577.2	576.3	575.4	574.5	573.6	573.4



TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	644.0	644.5	644.9	645.2	645.6	646.0	644.8	643.6	642.6	641.4	640.6
115°	746.9	747.8	748.1	748.4	748.8	749.0	747.8	746.6	745.5	744.2	742.8
117.5°	844.1	844.6	845.8	846.9	848.0	849.2	847.6	846.1	844.5	842.9	841.8
120°	907.6	907.9	908.7	909.6	910.5	911.4	910.9	910.3	909.6	909.1	908.0
122.5°	970.2	971.0	971.4	971.8	972.2	972.7	972.1	971.4	970.9	970.3	969.1
125°	1062.1	1063.1	1063.1	1063.1	1063.1	1063.1	1061.9	1060.8	1059.5	1058.4	1057.3
127.5°	1143.7	1144.4	1144.2	1144.1	1143.9	1143.7	1143.0	1142.4	1141.7	1141.0	1139.6
130°	1195.2	1196.1	1196.5	1196.8	1197.0	1197.4	1196.5	1195.6	1194.7	1193.8	1192.6
132.5°	1247.8	1248.3	1247.7	1247.0	1246.3	1245.7	1245.5	1245.4	1245.2	1245.0	1244.1
135°	1321.3	1321.9	1321.3	1320.7	1320.1	1319.6	1318.9	1318.3	1317.8	1317.1	1315.9
137.5°	1387.8	1388.2	1387.7	1387.1	1386.6	1386.1	1386.3	1386.3	1386.4	1386.6	1385.9
140°	1428.0	1428.1	1427.8	1427.5	1427.2	1426.9	1427.5	1428.1	1428.7	1429.3	1428.7
142.5°	1466.7	1467.1	1467.6	1467.9	1468.4	1468.8	1468.9	1469.0	1469.2	1469.3	1468.5
145°	1526.0	1526.3	1526.3	1526.3	1526.3	1526.3	1526.5	1526.9	1527.1	1527.4	1526.7
147.5°	1574.0	1574.2	1574.6	1574.9	1575.3	1575.7	1576.0	1576.4	1576.7	1577.1	1576.2
150°	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1607.4	1607.9	1608.6	1609.2	1608.3
152.5°	1632.6	1632.3	1632.9	1633.5	1634.1	1634.7	1635.3	1635.9	1636.5	1637.1	1636.3
155°	1670.8	1670.2	1670.8	1671.3	1672.0	1672.6	1673.5	1674.4	1675.3	1676.1	1675.3
157.5°	1704.5	1704.0	1704.1	1704.1	1704.1	1704.2	1705.2	1706.1	1707.1	1708.1	1707.4
160°	1723.1	1722.3	1722.7	1723.0	1723.2	1723.6	1724.7	1725.9	1727.2	1728.3	1727.8
162.5°	1740.3	1739.5	1739.8	1740.2	1740.4	1740.7	1742.4	1744.1	1745.8	1747.4	1747.0
165°	1763.4	1762.6	1762.9	1763.3	1763.5	1763.8	1765.6	1767.4	1769.2	1771.0	1770.7
167.5°	1780.3	1779.6	1779.9	1780.1	1780.5	1780.7	1782.9	1785.0	1787.2	1789.3	1789.0
170°	1789.0	1788.1	1788.4	1788.8	1789.0	1789.3	1791.7	1794.1	1796.5	1798.8	1798.8
172.5°	1795.5	1794.7	1795.3	1795.8	1796.4	1796.9	1799.0	1801.2	1803.3	1805.4	1805.2
175°	1803.7	1803.0	1803.2	1803.5	1803.8	1804.1	1806.5	1808.8	1811.2	1813.7	1813.5
177.5°	1808.3	1807.7	1807.9	1808.2	1808.4	1808.7	1810.4	1812.0	1813.7	1815.3	1815.3
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	18.7	18.3	18.5	18.6	18.5	18.3	18.7	17.9	18.3	18.0	17.7
90°	29.5	30.4	31.3	32.2	31.3	30.4	29.5	28.6	27.5	25.9	24.4
92.5°	28.8	29.2	29.7	30.1	29.7	29.2	28.8	28.4	27.5	25.9	24.4
95°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	27.5	25.9	24.4
97.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	32.4	40.8	49.2
100°	31.7	30.6	29.4	28.2	29.4	30.6	31.7	33.0	55.8	100.2	144.6
102.5°	229.7	209.5	189.1	168.9	189.1	209.5	229.7	250.0	264.4	272.8	281.2
105°	399.6	399.3	399.0	398.7	399.0	399.3	399.6	399.8	400.0	400.0	400.0
107.5°	505.2	504.4	503.5	502.6	503.5	504.4	505.2	506.1	506.6	506.5	506.5
110°	573.6	573.9	574.3	574.5	574.3	573.9	573.6	573.4	573.6	574.5	575.4



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CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	640.2	639.8	639.4	638.9	639.4	639.8	640.2	640.6	641.4	642.6	643.6
115°	741.0	739.1	737.4	735.6	737.4	739.1	741.0	742.8	744.2	745.5	746.6
117.5°	841.1	840.3	839.5	838.7	839.5	840.3	841.1	841.8	842.9	844.5	846.1
120°	906.5	905.0	903.6	902.1	903.6	905.0	906.5	908.0	909.1	909.6	910.3
122.5°	967.4	965.6	963.9	962.2	963.9	965.6	967.4	969.1	970.3	970.9	971.4
125°	1056.4	1055.5	1054.6	1053.7	1054.6	1055.5	1056.4	1057.3	1058.4	1059.5	1060.8
127.5°	1137.4	1135.2	1133.0	1130.8	1133.0	1135.2	1137.4	1139.6	1141.0	1141.7	1142.4
130°	1191.1	1189.6	1188.1	1186.6	1188.1	1189.6	1191.1	1192.6	1193.8	1194.7	1195.6
132.5°	1242.7	1241.2	1239.7	1238.1	1239.7	1241.2	1242.7	1244.1	1245.0	1245.2	1245.4
135°	1314.1	1312.3	1310.5	1308.8	1310.5	1312.3	1314.1	1315.9	1317.1	1317.8	1318.3
137.5°	1384.3	1382.8	1381.2	1379.7	1381.2	1382.8	1384.3	1385.9	1386.6	1386.4	1386.3
140°	1426.9	1425.1	1423.3	1421.6	1423.3	1425.1	1426.9	1428.7	1429.3	1428.7	1428.1
142.5°	1466.6	1464.8	1463.0	1461.2	1463.0	1464.8	1466.6	1468.5	1469.3	1469.2	1469.0
145°	1524.9	1523.1	1521.3	1519.6	1521.3	1523.1	1524.9	1526.7	1527.4	1527.1	1526.9
147.5°	1574.0	1571.9	1569.8	1567.6	1569.8	1571.9	1574.0	1576.2	1577.1	1576.7	1576.4
150°	1605.9	1603.5	1601.2	1598.7	1601.2	1603.5	1605.9	1608.3	1609.2	1608.6	1607.9
152.5°	1634.1	1632.0	1629.9	1627.7	1629.9	1632.0	1634.1	1636.3	1637.1	1636.5	1635.9
155°	1673.0	1670.6	1668.2	1665.8	1668.2	1670.6	1673.0	1675.3	1676.1	1675.3	1674.4
157.5°	1705.0	1702.5	1700.1	1697.8	1700.1	1702.5	1705.0	1707.4	1708.1	1707.1	1706.1
160°	1725.4	1723.0	1720.6	1718.2	1720.6	1723.0	1725.4	1727.8	1728.3	1727.2	1725.9
162.5°	1744.4	1741.7	1739.1	1736.4	1739.1	1741.7	1744.4	1747.0	1747.4	1745.8	1744.1
165°	1768.4	1765.9	1763.5	1761.1	1763.5	1765.9	1768.4	1770.7	1771.0	1769.2	1767.4
167.5°	1786.4	1783.7	1781.0	1778.3	1781.0	1783.7	1786.4	1789.0	1789.3	1787.2	1785.0
170°	1796.1	1793.4	1790.6	1788.0	1790.6	1793.4	1796.1	1798.8	1798.8	1796.5	1794.1
172.5°	1802.5	1799.8	1797.2	1794.5	1797.2	1799.8	1802.5	1805.2	1805.4	1803.3	1801.2
175°	1810.8	1808.1	1805.4	1802.8	1805.4	1808.1	1810.8	1813.5	1813.7	1811.2	1808.8
177.5°	1813.3	1811.4	1809.5	1807.6	1809.5	1811.4	1813.3	1815.3	1815.3	1813.7	1812.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	17.9	17.7	16.7	17.9	16.4	16.5	16.1	16.1	16.8	17.4	18.1
90°	23.0	21.5	19.4	17.3	15.2	13.1	10.9	8.5	6.2	3.7	1.3
92.5°	23.0	21.5	19.6	17.7	16.0	14.1	14.0	15.7	17.3	19.0	20.7
95°	23.0	21.5	32.8	44.1	55.5	66.8	72.9	73.8	74.7	75.6	76.5
97.5°	57.6	66.1	88.5	110.9	133.3	155.8	166.2	164.6	162.9	161.3	159.7
100°	189.1	233.5	232.4	231.2	230.0	228.8	227.7	226.9	226.0	225.1	224.2
102.5°	289.6	298.0	297.3	296.6	295.9	295.2	294.2	293.1	291.9	290.8	289.7
105°	400.0	400.0	400.0	400.0	400.0	400.0	399.4	398.2	397.1	395.8	394.7
107.5°	506.4	506.3	505.8	505.2	504.5	503.9	503.6	503.6	503.6	503.6	503.6
110°	576.3	577.2	576.6	576.0	575.4	574.8	574.5	574.5	574.5	574.5	574.5



TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	644.8	646.0	645.6	645.2	644.9	644.5	644.0	643.3	642.6	641.9	641.1
115°	747.8	749.0	748.8	748.4	748.1	747.8	746.9	745.5	744.0	742.4	741.0
117.5°	847.6	849.2	848.0	846.9	845.8	844.6	844.1	844.2	844.2	844.3	844.4
120°	910.9	911.4	910.5	909.6	908.7	907.9	907.6	907.9	908.2	908.5	908.7
122.5°	972.1	972.7	972.2	971.8	971.4	971.0	970.2	969.1	968.0	966.8	965.7
125°	1061.9	1063.1	1063.1	1063.1	1063.1	1063.1	1062.1	1060.0	1057.9	1055.8	1053.7
127.5°	1143.0	1143.7	1143.9	1144.1	1144.2	1144.4	1143.7	1142.3	1140.8	1139.2	1137.7
130°	1196.5	1197.4	1197.0	1196.8	1196.5	1196.1	1195.2	1193.8	1192.3	1190.8	1189.3
132.5°	1245.5	1245.7	1246.3	1247.0	1247.7	1248.3	1247.8	1246.1	1244.3	1242.6	1240.8
135°	1318.9	1319.6	1320.1	1320.7	1321.3	1321.9	1321.3	1319.6	1317.8	1315.9	1314.1
137.5°	1386.3	1386.1	1386.6	1387.1	1387.7	1388.2	1387.8	1386.2	1384.6	1383.0	1381.5
140°	1427.5	1426.9	1427.2	1427.5	1427.8	1428.1	1428.0	1427.4	1426.7	1426.2	1425.6
142.5°	1468.9	1468.8	1468.4	1467.9	1467.6	1467.1	1466.7	1466.3	1466.0	1465.6	1465.3
145°	1526.5	1526.3	1526.3	1526.3	1526.3	1526.3	1526.0	1525.4	1524.7	1524.1	1523.6
147.5°	1576.0	1575.7	1575.3	1574.9	1574.6	1574.2	1574.0	1574.2	1574.3	1574.4	1574.6
150°	1607.4	1606.8	1606.1	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8
152.5°	1635.3	1634.7	1634.1	1633.5	1632.9	1632.3	1632.6	1634.0	1635.3	1636.6	1637.9
155°	1673.5	1672.6	1672.0	1671.3	1670.8	1670.2	1670.8	1672.6	1674.4	1676.1	1677.9
157.5°	1705.2	1704.2	1704.1	1704.1	1704.1	1704.0	1704.5	1705.6	1706.6	1707.7	1708.8
160°	1724.7	1723.6	1723.2	1723.0	1722.7	1722.3	1723.1	1724.9	1726.7	1728.5	1730.3
162.5°	1742.4	1740.7	1740.4	1740.2	1739.8	1739.5	1740.3	1742.0	1743.9	1745.7	1747.5
165°	1765.6	1763.8	1763.5	1763.3	1762.9	1762.6	1763.4	1765.1	1766.9	1768.8	1770.6
167.5°	1782.9	1780.7	1780.5	1780.1	1779.9	1779.6	1780.3	1782.2	1784.0	1785.9	1787.7
170°	1791.7	1789.3	1789.0	1788.8	1788.4	1788.1	1789.0	1791.1	1793.2	1795.3	1797.4
172.5°	1799.0	1796.9	1796.4	1795.8	1795.3	1794.7	1795.5	1797.6	1799.7	1801.8	1803.8
175°	1806.5	1804.1	1803.8	1803.5	1803.2	1803.0	1803.7	1805.4	1807.2	1809.0	1810.8
177.5°	1810.4	1808.7	1808.4	1808.2	1807.9	1807.7	1808.3	1809.7	1811.2	1812.6	1814.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



TEST NUMBER: P333736-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	18.0	16.8	14.4	15.5	16.0	15.9	16.2	16.1	16.0	16.2	16.6
90°	3.7	6.2	8.5	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.4
92.5°	19.0	17.3	15.7	14.0	14.1	16.0	17.7	19.6	21.5	23.0	24.4
95°	75.6	74.7	73.8	72.9	66.8	55.5	44.1	32.8	21.5	23.0	24.4
97.5°	161.3	162.9	164.6	166.2	155.8	133.3	110.9	88.5	66.1	57.6	49.2
100°	225.1	226.0	226.9	227.7	228.8	230.0	231.2	232.4	233.5	189.1	144.6
102.5°	290.8	291.9	293.1	294.2	295.2	295.9	296.6	297.3	298.0	289.6	281.2
105°	395.8	397.1	398.2	399.4	400.0	400.0	400.0	400.0	400.0	400.0	400.0
107.5°	503.6	503.6	503.6	503.6	503.9	504.5	505.2	505.8	506.3	506.4	506.5
110°	574.5	574.5	574.5	574.5	574.8	575.4	576.0	576.6	577.2	576.3	575.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	641.9	642.6	643.3	644.0	644.5	644.9	645.2	645.6	646.0	644.8	643.6
115°	742.4	744.0	745.5	746.9	747.8	748.1	748.4	748.8	749.0	747.8	746.6
117.5°	844.3	844.2	844.2	844.1	844.6	845.8	846.9	848.0	849.2	847.6	846.1
120°	908.5	908.2	907.9	907.6	907.9	908.7	909.6	910.5	911.4	910.9	910.3
122.5°	966.8	968.0	969.1	970.2	971.0	971.4	971.8	972.2	972.7	972.1	971.4
125°	1055.8	1057.9	1060.0	1062.1	1063.1	1063.1	1063.1	1063.1	1063.1	1061.9	1060.8
127.5°	1139.2	1140.8	1142.3	1143.7	1144.4	1144.2	1144.1	1143.9	1143.7	1143.0	1142.4
130°	1190.8	1192.3	1193.8	1195.2	1196.1	1196.5	1196.8	1197.0	1197.4	1196.5	1195.6
132.5°	1242.6	1244.3	1246.1	1247.8	1248.3	1247.7	1247.0	1246.3	1245.7	1245.5	1245.4
135°	1315.9	1317.8	1319.6	1321.3	1321.9	1321.3	1320.7	1320.1	1319.6	1318.9	1318.3
137.5°	1383.0	1384.6	1386.2	1387.8	1388.2	1387.7	1387.1	1386.6	1386.1	1386.3	1386.3
140°	1426.2	1426.7	1427.4	1428.0	1428.1	1427.8	1427.5	1427.2	1426.9	1427.5	1428.1
142.5°	1465.6	1466.0	1466.3	1466.7	1467.1	1467.6	1467.9	1468.4	1468.8	1468.9	1469.0
145°	1524.1	1524.7	1525.4	1526.0	1526.3	1526.3	1526.3	1526.3	1526.3	1526.5	1526.9
147.5°	1574.4	1574.3	1574.2	1574.0	1574.2	1574.6	1574.9	1575.3	1575.7	1576.0	1576.4
150°	1606.1	1605.6	1605.0	1604.4	1604.4	1605.0	1605.6	1606.1	1606.8	1607.4	1607.9
152.5°	1636.6	1635.3	1634.0	1632.6	1632.3	1632.9	1633.5	1634.1	1634.7	1635.3	1635.9
155°	1676.1	1674.4	1672.6	1670.8	1670.2	1670.8	1671.3	1672.0	1672.6	1673.5	1674.4
157.5°	1707.7	1706.6	1705.6	1704.5	1704.0	1704.1	1704.1	1704.1	1704.2	1705.2	1706.1
160°	1728.5	1726.7	1724.9	1723.1	1722.3	1722.7	1723.0	1723.2	1723.6	1724.7	1725.9
162.5°	1745.7	1743.9	1742.0	1740.3	1739.5	1739.8	1740.2	1740.4	1740.7	1742.4	1744.1
165°	1768.8	1766.9	1765.1	1763.4	1762.6	1762.9	1763.3	1763.5	1763.8	1765.6	1767.4
167.5°	1785.9	1784.0	1782.2	1780.3	1779.6	1779.9	1780.1	1780.5	1780.7	1782.9	1785.0
170°	1795.3	1793.2	1791.1	1789.0	1788.1	1788.4	1788.8	1789.0	1789.3	1791.7	1794.1
172.5°	1801.8	1799.7	1797.6	1795.5	1794.7	1795.3	1795.8	1796.4	1796.9	1799.0	1801.2
175°	1809.0	1807.2	1805.4	1803.7	1803.0	1803.2	1803.5	1803.8	1804.1	1806.5	1808.8
177.5°	1812.6	1811.2	1809.7	1808.3	1807.7	1807.9	1808.2	1808.4	1808.7	1810.4	1812.0
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	17.4	18.3	17.4	17.0	17.2	17.9	18.6
90°	25.9	27.5	28.6	29.5	30.4	31.3	32.2
92.5°	25.9	27.5	28.4	28.8	29.2	29.7	30.1
95°	25.9	27.5	28.2	28.2	28.2	28.2	28.2
97.5°	40.8	32.4	28.2	28.2	28.2	28.2	28.2
100°	100.2	55.8	33.0	31.7	30.6	29.4	28.2
102.5°	272.8	264.4	250.0	229.7	209.5	189.1	168.9
105°	400.0	400.0	399.8	399.6	399.3	399.0	398.7
107.5°	506.5	506.6	506.1	505.2	504.4	503.5	502.6
110°	574.5	573.6	573.4	573.6	573.9	574.3	574.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	642.6	641.4	640.6	640.2	639.8	639.4	638.9
115°	745.5	744.2	742.8	741.0	739.1	737.4	735.6
117.5°	844.5	842.9	841.8	841.1	840.3	839.5	838.7
120°	909.6	909.1	908.0	906.5	905.0	903.6	902.1
122.5°	970.9	970.3	969.1	967.4	965.6	963.9	962.2
125°	1059.5	1058.4	1057.3	1056.4	1055.5	1054.6	1053.7
127.5°	1141.7	1141.0	1139.6	1137.4	1135.2	1133.0	1130.8
130°	1194.7	1193.8	1192.6	1191.1	1189.6	1188.1	1186.6
132.5°	1245.2	1245.0	1244.1	1242.7	1241.2	1239.7	1238.1
135°	1317.8	1317.1	1315.9	1314.1	1312.3	1310.5	1308.8
137.5°	1386.4	1386.6	1385.9	1384.3	1382.8	1381.2	1379.7
140°	1428.7	1429.3	1428.7	1426.9	1425.1	1423.3	1421.6
142.5°	1469.2	1469.3	1468.5	1466.6	1464.8	1463.0	1461.2
145°	1527.1	1527.4	1526.7	1524.9	1523.1	1521.3	1519.6
147.5°	1576.7	1577.1	1576.2	1574.0	1571.9	1569.8	1567.6
150°	1608.6	1609.2	1608.3	1605.9	1603.5	1601.2	1598.7
152.5°	1636.5	1637.1	1636.3	1634.1	1632.0	1629.9	1627.7
155°	1675.3	1676.1	1675.3	1673.0	1670.6	1668.2	1665.8
157.5°	1707.1	1708.1	1707.4	1705.0	1702.5	1700.1	1697.8
160°	1727.2	1728.3	1727.8	1725.4	1723.0	1720.6	1718.2
162.5°	1745.8	1747.4	1747.0	1744.4	1741.7	1739.1	1736.4
165°	1769.2	1771.0	1770.7	1768.4	1765.9	1763.5	1761.1
167.5°	1787.2	1789.3	1789.0	1786.4	1783.7	1781.0	1778.3
170°	1796.5	1798.8	1798.8	1796.1	1793.4	1790.6	1788.0
172.5°	1803.3	1805.4	1805.2	1802.5	1799.8	1797.2	1794.5
175°	1811.2	1813.7	1813.5	1810.8	1808.1	1805.4	1802.8
177.5°	1813.7	1815.3	1815.3	1813.3	1811.4	1809.5	1807.6
180°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8

(END OF REPORT)