

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: P333737-940

Luminaire Tested: **S125RDIW-S1270D1560U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333737-940
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-S1270D1560U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9213.0 lumens
Efficiency: N/A
Efficacy: 111.1 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

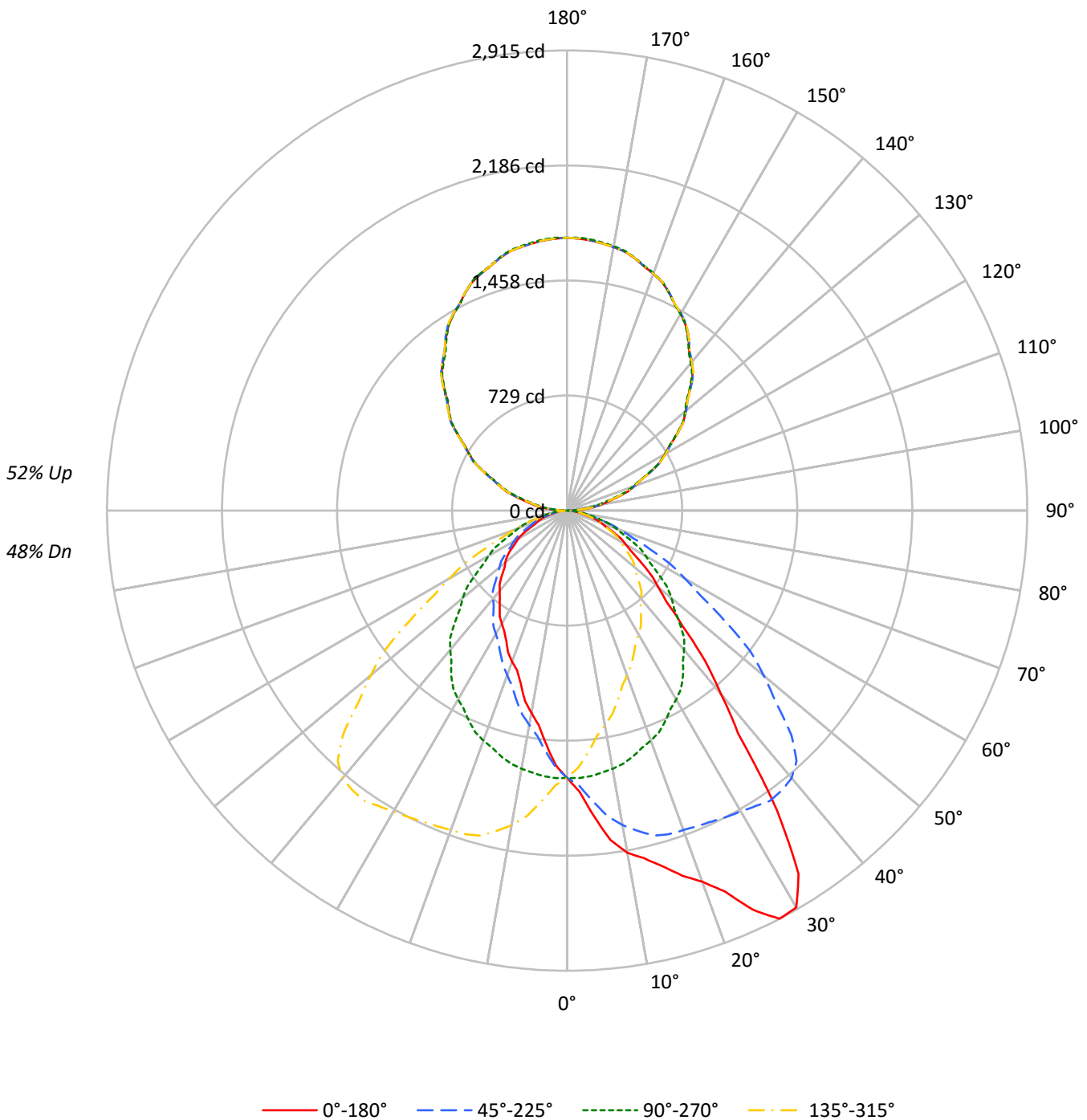
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	94	90	86	90	86	83	80	73	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	40	35
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	45	41	42	38	35	34	32	30	26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	28	25	29	25	21	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	24	44	33	27	22	29	23	20	24	20	17	20	17	15	13

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	1.8
10°-20°	475.9	5.2
20°-30°	754.5	8.2
30°-40°	909.8	9.9
40°-50°	812.5	8.8
50°-60°	623.1	6.8
60°-70°	404.9	4.4
70°-80°	196.9	2.1
80°-90°	50.8	0.6
90°-100°	115.7	1.3
100°-110°	341.8	3.7
110°-120°	578.9	6.3
120°-130°	761.9	8.3
130°-140°	853.7	9.3
140°-150°	836.7	9.1
150°-160°	702.8	7.6
160°-170°	467.2	5.1
170°-180°	163.5	1.8
0°-30°	1392.7	15.1
0°-40°	2302.6	25.0
0°-60°	3738.2	40.6
0°-90°	4390.7	47.7
90°-120°	1036.5	11.2
90°-150°	3488.8	37.9
90°-180°	4822.0	52.3
0°-180°	9213.0	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	20
95°	116	87	116	87	116	118
105°	334	307	334	307	334	353
115°	585	580	585	580	585	579
125°	851	846	851	846	851	760
135°	1104	1100	1104	1100	1104	852
145°	1338	1333	1338	1333	1338	835
155°	1525	1525	1525	1525	1525	702
165°	1654	1658	1654	1658	1654	466
175°	1717	1724	1717	1724	1717	163
180°	1728	1728	1728	1728	1728	



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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°	18.7	17.9	17.2	17.0	17.4	18.3	17.5	16.6	16.3	16.0	16.1
90°	32.3	31.4	30.5	29.6	28.7	27.5	26.0	24.5	23.0	21.5	19.4
92.5°	63.5	62.8	62.2	61.5	60.8	59.6	57.5	55.6	53.6	51.6	49.0
95°	115.7	115.0	114.5	113.9	113.2	111.9	109.9	107.7	105.7	103.5	100.6
97.5°	175.4	175.0	174.7	174.3	174.0	172.7	170.8	168.8	166.8	164.9	160.8
100°	220.5	220.0	219.4	218.7	218.2	216.5	213.8	211.2	208.5	205.7	201.9
102.5°	265.7	264.9	264.0	263.2	262.4	260.5	257.6	254.7	251.7	248.8	246.8
105°	333.5	332.6	331.7	330.8	329.9	328.6	326.8	325.0	323.2	321.5	319.6
107.5°	402.9	403.0	403.1	403.1	403.1	402.7	401.8	400.9	400.0	399.1	397.8
110°	454.6	454.9	455.1	455.5	455.8	455.5	454.6	453.7	452.7	451.8	450.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	505.2	505.7	506.2	506.8	507.3	507.3	506.9	506.5	506.0	505.7	504.5
115°	585.1	585.3	585.6	585.9	586.2	586.5	586.8	587.1	587.4	587.7	587.1
117.5°	663.0	664.2	665.4	666.6	667.8	668.2	668.1	667.8	667.5	667.4	666.7
120°	716.8	718.0	719.2	720.4	721.6	722.2	722.2	722.2	722.2	722.2	721.8
122.5°	770.6	771.5	772.5	773.5	774.5	775.0	775.3	775.5	775.7	776.0	775.2
125°	851.3	851.6	851.9	852.2	852.5	852.9	853.5	854.2	854.7	855.3	855.1
127.5°	928.7	929.3	930.0	930.5	931.1	931.6	931.9	932.2	932.5	932.8	932.5
130°	980.4	981.0	981.6	982.2	982.8	983.2	983.6	983.8	984.1	984.4	983.8
132.5°	1028.8	1029.7	1030.5	1031.4	1032.2	1032.7	1033.0	1033.3	1033.6	1033.9	1034.0
135°	1104.1	1105.3	1106.5	1107.7	1108.9	1109.5	1109.5	1109.5	1109.5	1109.5	1109.2
137.5°	1177.8	1179.3	1180.8	1182.3	1183.8	1184.4	1184.0	1183.7	1183.3	1182.9	1182.2
140°	1225.1	1226.6	1228.2	1229.7	1231.1	1231.5	1231.0	1230.4	1229.8	1229.2	1228.3
142.5°	1270.3	1271.8	1273.4	1274.8	1276.3	1276.9	1276.5	1276.1	1275.8	1275.4	1274.3
145°	1338.1	1339.0	1339.9	1340.8	1341.7	1342.1	1342.1	1342.1	1342.1	1342.1	1341.2
147.5°	1396.0	1398.0	1400.0	1402.0	1404.1	1404.7	1404.0	1403.3	1402.6	1401.9	1401.1
150°	1439.0	1439.6	1440.2	1440.7	1441.4	1441.7	1441.7	1441.7	1441.7	1441.7	1440.5
152.5°	1474.5	1475.6	1476.7	1477.7	1478.8	1479.0	1478.3	1477.6	1476.9	1476.1	1475.6
155°	1525.1	1526.5	1528.0	1529.6	1531.1	1531.2	1530.0	1528.7	1527.6	1526.4	1526.1
157.5°	1567.3	1569.2	1571.2	1573.2	1575.2	1575.6	1574.4	1573.2	1572.0	1570.7	1570.5
160°	1596.3	1597.9	1599.3	1600.8	1602.3	1602.5	1601.2	1600.1	1598.8	1597.7	1597.4
162.5°	1621.0	1622.8	1624.5	1626.3	1628.0	1628.2	1626.7	1625.3	1623.9	1622.4	1622.4
165°	1654.1	1656.0	1657.8	1659.6	1661.3	1661.6	1660.5	1659.2	1658.0	1656.9	1656.5
167.5°	1680.5	1682.4	1684.3	1686.0	1687.9	1687.9	1686.1	1684.4	1682.6	1680.8	1680.8
170°	1694.5	1696.6	1698.7	1700.8	1702.9	1703.0	1701.2	1699.4	1697.6	1695.9	1695.9
172.5°	1706.4	1708.2	1710.0	1711.9	1713.8	1713.8	1712.0	1710.2	1708.4	1706.6	1706.6
175°	1717.3	1719.5	1721.5	1723.7	1725.7	1725.9	1724.1	1722.3	1720.5	1718.7	1718.7
177.5°	1723.9	1725.5	1727.2	1728.8	1730.5	1730.6	1729.2	1727.8	1726.4	1724.9	1725.1
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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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	14.5	16.8	18.0	18.1	17.4	16.8	16.1
90°	17.3	15.2	13.1	10.9	8.6	6.2	3.7	1.3	3.7	6.2	8.6
92.5°	46.5	44.0	41.4	39.2	37.5	35.9	34.2	32.5	34.2	35.9	37.5
95°	97.6	94.6	91.6	89.8	89.2	88.6	88.0	87.4	88.0	88.6	89.2
97.5°	156.7	152.5	148.4	146.2	146.0	145.7	145.4	145.3	145.4	145.7	146.0
100°	198.0	194.1	190.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
102.5°	244.9	242.9	240.9	239.3	238.1	236.9	235.8	234.5	235.8	236.9	238.1
105°	317.8	316.0	314.2	312.6	311.1	309.6	308.1	306.7	308.1	309.6	311.1
107.5°	396.4	395.0	393.7	392.2	390.7	389.2	387.7	386.2	387.7	389.2	390.7
110°	450.0	449.2	448.3	447.1	445.6	444.1	442.6	441.1	442.6	444.1	445.6



TEST NUMBER: P333737-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	503.4	502.2	501.1	500.2	499.4	498.6	497.8	497.0	497.8	498.6	499.4
115°	586.5	585.9	585.3	584.4	583.2	582.0	580.9	579.6	580.9	582.0	583.2
117.5°	666.2	665.7	665.1	664.6	664.1	663.5	663.0	662.5	663.0	663.5	664.1
120°	721.6	721.3	720.9	720.1	718.6	717.1	715.6	714.1	715.6	717.1	718.6
122.5°	774.5	773.6	772.8	772.2	771.7	771.2	770.6	770.1	770.6	771.2	771.7
125°	854.7	854.4	854.2	853.1	851.3	849.5	847.7	845.9	847.7	849.5	851.3
127.5°	932.1	931.7	931.4	930.7	929.6	928.6	927.6	926.6	927.6	928.6	929.6
130°	983.2	982.7	982.0	981.0	979.5	978.0	976.5	975.0	976.5	978.0	979.5
132.5°	1034.1	1034.3	1034.4	1033.2	1030.8	1028.3	1025.9	1023.4	1025.9	1028.3	1030.8
135°	1108.9	1108.6	1108.3	1107.2	1105.5	1103.7	1101.9	1100.1	1101.9	1103.7	1105.5
137.5°	1181.6	1181.0	1180.3	1179.1	1177.3	1175.6	1173.9	1172.2	1173.9	1175.6	1177.3
140°	1227.4	1226.5	1225.6	1224.4	1222.9	1221.4	1219.9	1218.4	1219.9	1221.4	1222.9
142.5°	1273.2	1272.0	1270.9	1269.7	1268.5	1267.2	1266.0	1264.7	1266.0	1267.2	1268.5
145°	1340.3	1339.4	1338.5	1337.6	1336.3	1335.2	1333.9	1332.8	1333.9	1335.2	1336.3
147.5°	1400.4	1399.7	1399.0	1398.3	1397.7	1397.0	1396.3	1395.7	1396.3	1397.0	1397.7
150°	1439.3	1438.1	1436.9	1436.5	1436.7	1437.1	1437.3	1437.6	1437.3	1437.1	1436.7
152.5°	1475.2	1474.7	1474.2	1473.7	1473.3	1472.9	1472.5	1472.0	1472.5	1472.9	1473.3
155°	1525.8	1525.5	1525.2	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1
157.5°	1570.2	1569.9	1569.6	1569.8	1570.4	1571.1	1571.7	1572.4	1571.7	1571.1	1570.4
160°	1597.1	1596.8	1596.5	1596.8	1597.7	1598.6	1599.5	1600.4	1599.5	1598.6	1597.7
162.5°	1622.3	1622.2	1622.2	1622.5	1623.2	1623.8	1624.4	1625.1	1624.4	1623.8	1623.2
165°	1656.3	1656.0	1655.6	1655.8	1656.4	1657.0	1657.6	1658.2	1657.6	1657.0	1656.4
167.5°	1680.8	1680.8	1680.8	1681.4	1682.6	1683.8	1685.0	1686.1	1685.0	1683.8	1682.6
170°	1695.9	1695.9	1695.9	1696.5	1697.6	1698.8	1700.0	1701.2	1700.0	1698.8	1697.6
172.5°	1706.6	1706.6	1706.6	1707.2	1708.4	1709.6	1710.8	1712.0	1710.8	1709.6	1708.4
175°	1718.7	1718.7	1718.7	1719.3	1720.5	1721.7	1722.9	1724.1	1722.9	1721.7	1720.5
177.5°	1725.4	1725.6	1725.8	1726.4	1727.4	1728.4	1729.3	1730.3	1729.3	1728.4	1727.4
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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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	18.0
90°	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.5	26.0	27.5	28.7
92.5°	39.2	41.4	44.0	46.5	49.0	51.6	53.6	55.6	57.5	59.6	60.8
95°	89.8	91.6	94.6	97.6	100.6	103.5	105.7	107.7	109.9	111.9	113.2
97.5°	146.2	148.4	152.5	156.7	160.8	164.9	166.8	168.8	170.8	172.7	174.0
100°	188.2	190.2	194.1	198.0	201.9	205.7	208.5	211.2	213.8	216.5	218.2
102.5°	239.3	240.9	242.9	244.9	246.8	248.8	251.7	254.7	257.6	260.5	262.4
105°	312.6	314.2	316.0	317.8	319.6	321.5	323.2	325.0	326.8	328.6	329.9
107.5°	392.2	393.7	395.0	396.4	397.8	399.1	400.0	400.9	401.8	402.7	403.1
110°	447.1	448.3	449.2	450.0	450.9	451.8	452.7	453.7	454.6	455.5	455.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	500.2	501.1	502.2	503.4	504.5	505.7	506.0	506.5	506.9	507.3	507.3
115°	584.4	585.3	585.9	586.5	587.1	587.7	587.4	587.1	586.8	586.5	586.2
117.5°	664.6	665.1	665.7	666.2	666.7	667.4	667.5	667.8	668.1	668.2	667.8
120°	720.1	720.9	721.3	721.6	721.8	722.2	722.2	722.2	722.2	722.2	721.6
122.5°	772.2	772.8	773.6	774.5	775.2	776.0	775.7	775.5	775.3	775.0	774.5
125°	853.1	854.2	854.4	854.7	855.1	855.3	854.7	854.2	853.5	852.9	852.5
127.5°	930.7	931.4	931.7	932.1	932.5	932.8	932.5	932.2	931.9	931.6	931.1
130°	981.0	982.0	982.7	983.2	983.8	984.4	984.1	983.8	983.6	983.2	982.8
132.5°	1033.2	1034.4	1034.3	1034.1	1034.0	1033.9	1033.6	1033.3	1033.0	1032.7	1032.2
135°	1107.2	1108.3	1108.6	1108.9	1109.2	1109.5	1109.5	1109.5	1109.5	1109.5	1108.9
137.5°	1179.1	1180.3	1181.0	1181.6	1182.2	1182.9	1183.3	1183.7	1184.0	1184.4	1183.8
140°	1224.4	1225.6	1226.5	1227.4	1228.3	1229.2	1229.8	1230.4	1231.0	1231.5	1231.1
142.5°	1269.7	1270.9	1272.0	1273.2	1274.3	1275.4	1275.8	1276.1	1276.5	1276.9	1276.3
145°	1337.6	1338.5	1339.4	1340.3	1341.2	1342.1	1342.1	1342.1	1342.1	1342.1	1341.7
147.5°	1398.3	1399.0	1399.7	1400.4	1401.1	1401.9	1402.6	1403.3	1404.0	1404.7	1404.1
150°	1436.5	1436.9	1438.1	1439.3	1440.5	1441.7	1441.7	1441.7	1441.7	1441.7	1441.4
152.5°	1473.7	1474.2	1474.7	1475.2	1475.6	1476.1	1476.9	1477.6	1478.3	1479.0	1478.8
155°	1525.1	1525.2	1525.5	1525.8	1526.1	1526.4	1527.6	1528.7	1530.0	1531.2	1531.1
157.5°	1569.8	1569.6	1569.9	1570.2	1570.5	1570.7	1572.0	1573.2	1574.4	1575.6	1575.2
160°	1596.8	1596.5	1596.8	1597.1	1597.4	1597.7	1598.8	1600.1	1601.2	1602.5	1602.3
162.5°	1622.5	1622.2	1622.2	1622.3	1622.4	1622.4	1623.9	1625.3	1626.7	1628.2	1628.0
165°	1655.8	1655.6	1656.0	1656.3	1656.5	1656.9	1658.0	1659.2	1660.5	1661.6	1661.3
167.5°	1681.4	1680.8	1680.8	1680.8	1680.8	1680.8	1682.6	1684.4	1686.1	1687.9	1687.9
170°	1696.5	1695.9	1695.9	1695.9	1695.9	1695.9	1697.6	1699.4	1701.2	1703.0	1702.9
172.5°	1707.2	1706.6	1706.6	1706.6	1706.6	1706.6	1708.4	1710.2	1712.0	1713.8	1713.8
175°	1719.3	1718.7	1718.7	1718.7	1718.7	1718.7	1720.5	1722.3	1724.1	1725.9	1725.7
177.5°	1726.4	1725.8	1725.6	1725.4	1725.1	1724.9	1726.4	1727.8	1729.2	1730.6	1730.5
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



TEST NUMBER: P333737-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A1

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	18.4	18.5	18.7	18.5	18.4	18.7	18.0	18.3	18.0	17.7
90°	29.6	30.5	31.4	32.3	31.4	30.5	29.6	28.7	27.5	26.0	24.5
92.5°	61.5	62.2	62.8	63.5	62.8	62.2	61.5	60.8	59.6	57.5	55.6
95°	113.9	114.5	115.0	115.7	115.0	114.5	113.9	113.2	111.9	109.9	107.7
97.5°	174.3	174.7	175.0	175.4	175.0	174.7	174.3	174.0	172.7	170.8	168.8
100°	218.7	219.4	220.0	220.5	220.0	219.4	218.7	218.2	216.5	213.8	211.2
102.5°	263.2	264.0	264.9	265.7	264.9	264.0	263.2	262.4	260.5	257.6	254.7
105°	330.8	331.7	332.6	333.5	332.6	331.7	330.8	329.9	328.6	326.8	325.0
107.5°	403.1	403.1	403.0	402.9	403.0	403.1	403.1	403.1	402.7	401.8	400.9
110°	455.5	455.1	454.9	454.6	454.9	455.1	455.5	455.8	455.5	454.6	453.7



TEST NUMBER: P333737-940

CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	506.8	506.2	505.7	505.2	505.7	506.2	506.8	507.3	507.3	506.9	506.5
115°	585.9	585.6	585.3	585.1	585.3	585.6	585.9	586.2	586.5	586.8	587.1
117.5°	666.6	665.4	664.2	663.0	664.2	665.4	666.6	667.8	668.2	668.1	667.8
120°	720.4	719.2	718.0	716.8	718.0	719.2	720.4	721.6	722.2	722.2	722.2
122.5°	773.5	772.5	771.5	770.6	771.5	772.5	773.5	774.5	775.0	775.3	775.5
125°	852.2	851.9	851.6	851.3	851.6	851.9	852.2	852.5	852.9	853.5	854.2
127.5°	930.5	930.0	929.3	928.7	929.3	930.0	930.5	931.1	931.6	931.9	932.2
130°	982.2	981.6	981.0	980.4	981.0	981.6	982.2	982.8	983.2	983.6	983.8
132.5°	1031.4	1030.5	1029.7	1028.8	1029.7	1030.5	1031.4	1032.2	1032.7	1033.0	1033.3
135°	1107.7	1106.5	1105.3	1104.1	1105.3	1106.5	1107.7	1108.9	1109.5	1109.5	1109.5
137.5°	1182.3	1180.8	1179.3	1177.8	1179.3	1180.8	1182.3	1183.8	1184.4	1184.0	1183.7
140°	1229.7	1228.2	1226.6	1225.1	1226.6	1228.2	1229.7	1231.1	1231.5	1231.0	1230.4
142.5°	1274.8	1273.4	1271.8	1270.3	1271.8	1273.4	1274.8	1276.3	1276.9	1276.5	1276.1
145°	1340.8	1339.9	1339.0	1338.1	1339.0	1339.9	1340.8	1341.7	1342.1	1342.1	1342.1
147.5°	1402.0	1400.0	1398.0	1396.0	1398.0	1400.0	1402.0	1404.1	1404.7	1404.0	1403.3
150°	1440.7	1440.2	1439.6	1439.0	1439.6	1440.2	1440.7	1441.4	1441.7	1441.7	1441.7
152.5°	1477.7	1476.7	1475.6	1474.5	1475.6	1476.7	1477.7	1478.8	1479.0	1478.3	1477.6
155°	1529.6	1528.0	1526.5	1525.1	1526.5	1528.0	1529.6	1531.1	1531.2	1530.0	1528.7
157.5°	1573.2	1571.2	1569.2	1567.3	1569.2	1571.2	1573.2	1575.2	1575.6	1574.4	1573.2
160°	1600.8	1599.3	1597.9	1596.3	1597.9	1599.3	1600.8	1602.3	1602.5	1601.2	1600.1
162.5°	1626.3	1624.5	1622.8	1621.0	1622.8	1624.5	1626.3	1628.0	1628.2	1626.7	1625.3
165°	1659.6	1657.8	1656.0	1654.1	1656.0	1657.8	1659.6	1661.3	1661.6	1660.5	1659.2
167.5°	1686.0	1684.3	1682.4	1680.5	1682.4	1684.3	1686.0	1687.9	1687.9	1686.1	1684.4
170°	1700.8	1698.7	1696.6	1694.5	1696.6	1698.7	1700.8	1702.9	1703.0	1701.2	1699.4
172.5°	1711.9	1710.0	1708.2	1706.4	1708.2	1710.0	1711.9	1713.8	1713.8	1712.0	1710.2
175°	1723.7	1721.5	1719.5	1717.3	1719.5	1721.5	1723.7	1725.7	1725.9	1724.1	1722.3
177.5°	1728.8	1727.2	1725.5	1723.9	1725.5	1727.2	1728.8	1730.5	1730.6	1729.2	1727.8
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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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	8.6	6.2	3.7	1.3
92.5°	53.6	51.6	49.0	46.5	44.0	41.4	39.2	37.5	35.9	34.2	32.5
95°	105.7	103.5	100.6	97.6	94.6	91.6	89.8	89.2	88.6	88.0	87.4
97.5°	166.8	164.9	160.8	156.7	152.5	148.4	146.2	146.0	145.7	145.4	145.3
100°	208.5	205.7	201.9	198.0	194.1	190.2	188.2	188.2	188.2	188.2	188.2
102.5°	251.7	248.8	246.8	244.9	242.9	240.9	239.3	238.1	236.9	235.8	234.5
105°	323.2	321.5	319.6	317.8	316.0	314.2	312.6	311.1	309.6	308.1	306.7
107.5°	400.0	399.1	397.8	396.4	395.0	393.7	392.2	390.7	389.2	387.7	386.2
110°	452.7	451.8	450.9	450.0	449.2	448.3	447.1	445.6	444.1	442.6	441.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	506.0	505.7	504.5	503.4	502.2	501.1	500.2	499.4	498.6	497.8	497.0
115°	587.4	587.7	587.1	586.5	585.9	585.3	584.4	583.2	582.0	580.9	579.6
117.5°	667.5	667.4	666.7	666.2	665.7	665.1	664.6	664.1	663.5	663.0	662.5
120°	722.2	722.2	721.8	721.6	721.3	720.9	720.1	718.6	717.1	715.6	714.1
122.5°	775.7	776.0	775.2	774.5	773.6	772.8	772.2	771.7	771.2	770.6	770.1
125°	854.7	855.3	855.1	854.7	854.4	854.2	853.1	851.3	849.5	847.7	845.9
127.5°	932.5	932.8	932.5	932.1	931.7	931.4	930.7	929.6	928.6	927.6	926.6
130°	984.1	984.4	983.8	983.2	982.7	982.0	981.0	979.5	978.0	976.5	975.0
132.5°	1033.6	1033.9	1034.0	1034.1	1034.3	1034.4	1033.2	1030.8	1028.3	1025.9	1023.4
135°	1109.5	1109.5	1109.2	1108.9	1108.6	1108.3	1107.2	1105.5	1103.7	1101.9	1100.1
137.5°	1183.3	1182.9	1182.2	1181.6	1181.0	1180.3	1179.1	1177.3	1175.6	1173.9	1172.2
140°	1229.8	1229.2	1228.3	1227.4	1226.5	1225.6	1224.4	1222.9	1221.4	1219.9	1218.4
142.5°	1275.8	1275.4	1274.3	1273.2	1272.0	1270.9	1269.7	1268.5	1267.2	1266.0	1264.7
145°	1342.1	1342.1	1341.2	1340.3	1339.4	1338.5	1337.6	1336.3	1335.2	1333.9	1332.8
147.5°	1402.6	1401.9	1401.1	1400.4	1399.7	1399.0	1398.3	1397.7	1397.0	1396.3	1395.7
150°	1441.7	1441.7	1440.5	1439.3	1438.1	1436.9	1436.5	1436.7	1437.1	1437.3	1437.6
152.5°	1476.9	1476.1	1475.6	1475.2	1474.7	1474.2	1473.7	1473.3	1472.9	1472.5	1472.0
155°	1527.6	1526.4	1526.1	1525.8	1525.5	1525.2	1525.1	1525.1	1525.1	1525.1	1525.1
157.5°	1572.0	1570.7	1570.5	1570.2	1569.9	1569.6	1569.8	1570.4	1571.1	1571.7	1572.4
160°	1598.8	1597.7	1597.4	1597.1	1596.8	1596.5	1596.8	1597.7	1598.6	1599.5	1600.4
162.5°	1623.9	1622.4	1622.4	1622.3	1622.2	1622.2	1622.5	1623.2	1623.8	1624.4	1625.1
165°	1658.0	1656.9	1656.5	1656.3	1656.0	1655.6	1655.8	1656.4	1657.0	1657.6	1658.2
167.5°	1682.6	1680.8	1680.8	1680.8	1680.8	1680.8	1681.4	1682.6	1683.8	1685.0	1686.1
170°	1697.6	1695.9	1695.9	1695.9	1695.9	1695.9	1696.5	1697.6	1698.8	1700.0	1701.2
172.5°	1708.4	1706.6	1706.6	1706.6	1706.6	1706.6	1707.2	1708.4	1709.6	1710.8	1712.0
175°	1720.5	1718.7	1718.7	1718.7	1718.7	1718.7	1719.3	1720.5	1721.7	1722.9	1724.1
177.5°	1726.4	1724.9	1725.1	1725.4	1725.6	1725.8	1726.4	1727.4	1728.4	1729.3	1730.3
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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CATALOG NUMBER: S125RDIW-S1270D1560U940-4F0-1E-UDD-A1

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	14.5	15.5	16.0	15.9	16.2	16.1	16.0	16.3	16.6
90°	3.7	6.2	8.6	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.5
92.5°	34.2	35.9	37.5	39.2	41.4	44.0	46.5	49.0	51.6	53.6	55.6
95°	88.0	88.6	89.2	89.8	91.6	94.6	97.6	100.6	103.5	105.7	107.7
97.5°	145.4	145.7	146.0	146.2	148.4	152.5	156.7	160.8	164.9	166.8	168.8
100°	188.2	188.2	188.2	188.2	190.2	194.1	198.0	201.9	205.7	208.5	211.2
102.5°	235.8	236.9	238.1	239.3	240.9	242.9	244.9	246.8	248.8	251.7	254.7
105°	308.1	309.6	311.1	312.6	314.2	316.0	317.8	319.6	321.5	323.2	325.0
107.5°	387.7	389.2	390.7	392.2	393.7	395.0	396.4	397.8	399.1	400.0	400.9
110°	442.6	444.1	445.6	447.1	448.3	449.2	450.0	450.9	451.8	452.7	453.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.8	498.6	499.4	500.2	501.1	502.2	503.4	504.5	505.7	506.0	506.5
115°	580.9	582.0	583.2	584.4	585.3	585.9	586.5	587.1	587.7	587.4	587.1
117.5°	663.0	663.5	664.1	664.6	665.1	665.7	666.2	666.7	667.4	667.5	667.8
120°	715.6	717.1	718.6	720.1	720.9	721.3	721.6	721.8	722.2	722.2	722.2
122.5°	770.6	771.2	771.7	772.2	772.8	773.6	774.5	775.2	776.0	775.7	775.5
125°	847.7	849.5	851.3	853.1	854.2	854.4	854.7	855.1	855.3	854.7	854.2
127.5°	927.6	928.6	929.6	930.7	931.4	931.7	932.1	932.5	932.8	932.5	932.2
130°	976.5	978.0	979.5	981.0	982.0	982.7	983.2	983.8	984.4	984.1	983.8
132.5°	1025.9	1028.3	1030.8	1033.2	1034.4	1034.3	1034.1	1034.0	1033.9	1033.6	1033.3
135°	1101.9	1103.7	1105.5	1107.2	1108.3	1108.6	1108.9	1109.2	1109.5	1109.5	1109.5
137.5°	1173.9	1175.6	1177.3	1179.1	1180.3	1181.0	1181.6	1182.2	1182.9	1183.3	1183.7
140°	1219.9	1221.4	1222.9	1224.4	1225.6	1226.5	1227.4	1228.3	1229.2	1229.8	1230.4
142.5°	1266.0	1267.2	1268.5	1269.7	1270.9	1272.0	1273.2	1274.3	1275.4	1275.8	1276.1
145°	1333.9	1335.2	1336.3	1337.6	1338.5	1339.4	1340.3	1341.2	1342.1	1342.1	1342.1
147.5°	1396.3	1397.0	1397.7	1398.3	1399.0	1399.7	1400.4	1401.1	1401.9	1402.6	1403.3
150°	1437.3	1437.1	1436.7	1436.5	1436.9	1438.1	1439.3	1440.5	1441.7	1441.7	1441.7
152.5°	1472.5	1472.9	1473.3	1473.7	1474.2	1474.7	1475.2	1475.6	1476.1	1476.9	1477.6
155°	1525.1	1525.1	1525.1	1525.1	1525.2	1525.5	1525.8	1526.1	1526.4	1527.6	1528.7
157.5°	1571.7	1571.1	1570.4	1569.8	1569.6	1569.9	1570.2	1570.5	1570.7	1572.0	1573.2
160°	1599.5	1598.6	1597.7	1596.8	1596.5	1596.8	1597.1	1597.4	1597.7	1598.8	1600.1
162.5°	1624.4	1623.8	1623.2	1622.5	1622.2	1622.2	1622.3	1622.4	1622.4	1623.9	1625.3
165°	1657.6	1657.0	1656.4	1655.8	1655.6	1656.0	1656.3	1656.5	1656.9	1658.0	1659.2
167.5°	1685.0	1683.8	1682.6	1681.4	1680.8	1680.8	1680.8	1680.8	1680.8	1682.6	1684.4
170°	1700.0	1698.8	1697.6	1696.5	1695.9	1695.9	1695.9	1695.9	1695.9	1697.6	1699.4
172.5°	1710.8	1709.6	1708.4	1707.2	1706.6	1706.6	1706.6	1706.6	1706.6	1708.4	1710.2
175°	1722.9	1721.7	1720.5	1719.3	1718.7	1718.7	1718.7	1718.7	1718.7	1720.5	1722.3
177.5°	1729.3	1728.4	1727.4	1726.4	1725.8	1725.6	1725.4	1725.1	1724.9	1726.4	1727.8
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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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°	17.5	18.3	17.4	17.0	17.2	17.9	18.7
90°	26.0	27.5	28.7	29.6	30.5	31.4	32.3
92.5°	57.5	59.6	60.8	61.5	62.2	62.8	63.5
95°	109.9	111.9	113.2	113.9	114.5	115.0	115.7
97.5°	170.8	172.7	174.0	174.3	174.7	175.0	175.4
100°	213.8	216.5	218.2	218.7	219.4	220.0	220.5
102.5°	257.6	260.5	262.4	263.2	264.0	264.9	265.7
105°	326.8	328.6	329.9	330.8	331.7	332.6	333.5
107.5°	401.8	402.7	403.1	403.1	403.1	403.0	402.9
110°	454.6	455.5	455.8	455.5	455.1	454.9	454.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	506.9	507.3	507.3	506.8	506.2	505.7	505.2
115°	586.8	586.5	586.2	585.9	585.6	585.3	585.1
117.5°	668.1	668.2	667.8	666.6	665.4	664.2	663.0
120°	722.2	722.2	721.6	720.4	719.2	718.0	716.8
122.5°	775.3	775.0	774.5	773.5	772.5	771.5	770.6
125°	853.5	852.9	852.5	852.2	851.9	851.6	851.3
127.5°	931.9	931.6	931.1	930.5	930.0	929.3	928.7
130°	983.6	983.2	982.8	982.2	981.6	981.0	980.4
132.5°	1033.0	1032.7	1032.2	1031.4	1030.5	1029.7	1028.8
135°	1109.5	1109.5	1108.9	1107.7	1106.5	1105.3	1104.1
137.5°	1184.0	1184.4	1183.8	1182.3	1180.8	1179.3	1177.8
140°	1231.0	1231.5	1231.1	1229.7	1228.2	1226.6	1225.1
142.5°	1276.5	1276.9	1276.3	1274.8	1273.4	1271.8	1270.3
145°	1342.1	1342.1	1341.7	1340.8	1339.9	1339.0	1338.1
147.5°	1404.0	1404.7	1404.1	1402.0	1400.0	1398.0	1396.0
150°	1441.7	1441.7	1441.4	1440.7	1440.2	1439.6	1439.0
152.5°	1478.3	1479.0	1478.8	1477.7	1476.7	1475.6	1474.5
155°	1530.0	1531.2	1531.1	1529.6	1528.0	1526.5	1525.1
157.5°	1574.4	1575.6	1575.2	1573.2	1571.2	1569.2	1567.3
160°	1601.2	1602.5	1602.3	1600.8	1599.3	1597.9	1596.3
162.5°	1626.7	1628.2	1628.0	1626.3	1624.5	1622.8	1621.0
165°	1660.5	1661.6	1661.3	1659.6	1657.8	1656.0	1654.1
167.5°	1686.1	1687.9	1687.9	1686.0	1684.3	1682.4	1680.5
170°	1701.2	1703.0	1702.9	1700.8	1698.7	1696.6	1694.5
172.5°	1712.0	1713.8	1713.8	1711.9	1710.0	1708.2	1706.4
175°	1724.1	1725.9	1725.7	1723.7	1721.5	1719.5	1717.3
177.5°	1729.2	1730.6	1730.5	1728.8	1727.2	1725.5	1723.9
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1

(END OF REPORT)