

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: P333737-830

Luminaire Tested: **S125RDIW-S1270D1560U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333737-830
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-S1270D1560U830-4F0-1E-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: 9738.1 lumens
Efficiency: N/A
Efficacy: 117.5 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

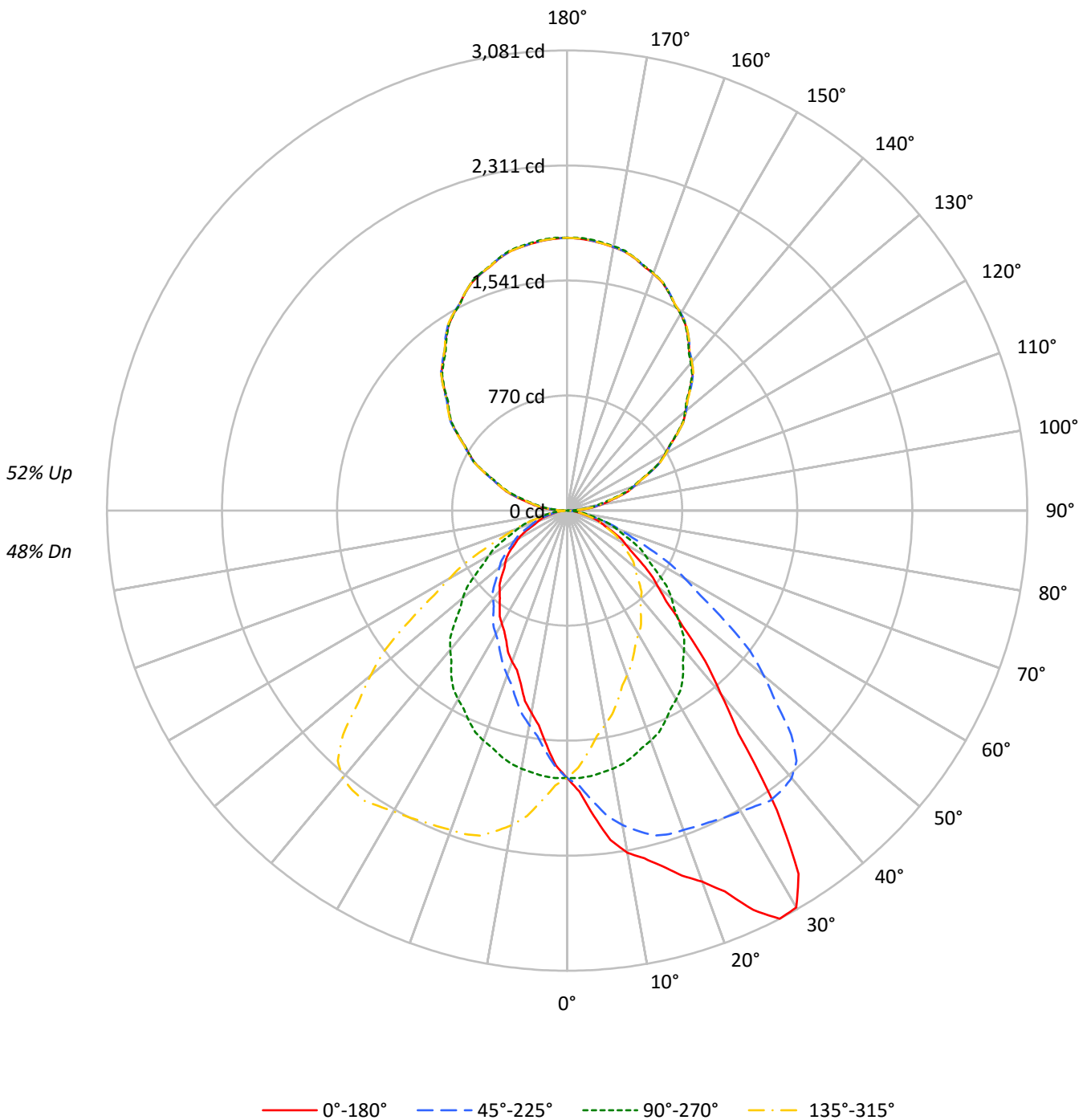
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11559	11559	11559	11559
5°	13299	11575	10222	11575
10°	15255	11516	9020	11516
15°	16477	11397	8017	11397
20°	18168	11260	7403	11260
25°	21026	11078	6869	11078
30°	22881	10887	6520	10887
35°	19301	10664	6199	10664
40°	13478	10264	5922	10264
45°	9999	9724	5650	9724
50°	7973	9161	5419	9161
55°	6767	8463	5212	8463
60°	5846	7839	4879	7839
65°	5210	7163	4199	7163
70°	4577	6562	3828	6562
75°	3960	5682	3593	5682
80°	3005	4783	3005	4783
85°	2505	3757	2831	3757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	1.8
10°-20°	503.0	5.2
20°-30°	797.5	8.2
30°-40°	961.7	9.9
40°-50°	858.8	8.8
50°-60°	658.6	6.8
60°-70°	428.0	4.4
70°-80°	208.1	2.1
80°-90°	53.7	0.6
90°-100°	122.3	1.3
100°-110°	361.3	3.7
110°-120°	611.9	6.3
120°-130°	805.3	8.3
130°-140°	902.4	9.3
140°-150°	884.4	9.1
150°-160°	742.8	7.6
160°-170°	493.8	5.1
170°-180°	172.8	1.8
0°-30°	1472.1	15.1
0°-40°	2433.8	25.0
0°-60°	3951.3	40.6
0°-90°	4641.0	47.7
90°-120°	1095.5	11.3
90°-150°	3687.7	37.9
90°-180°	5097.0	52.3
0°-180°	9738.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1790	1790	1790	1790	1790	
5°	2051	1785	1577	1785	2051	205
15°	2464	1705	1199	1705	2464	706
25°	2951	1555	964	1555	2951	1355
35°	2448	1353	786	1353	2448	1479
45°	1095	1065	619	1065	1095	874
55°	601	752	463	752	601	545
65°	341	469	275	469	341	339
75°	159	228	144	228	159	169
85°	34	51	38	51	34	40
90°	34	1	34	1	34	21
95°	122	92	122	92	122	124
105°	352	324	352	324	352	373
115°	618	613	618	613	618	612
125°	900	894	900	894	900	803
135°	1167	1163	1167	1163	1167	900
145°	1414	1409	1414	1409	1414	883
155°	1612	1612	1612	1612	1612	742
165°	1748	1753	1748	1753	1748	493
175°	1815	1822	1815	1822	1815	172
180°	1827	1827	1827	1827	1827	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1882.6	1881.5	1883.9	1877.4	1877.9	1867.9	1867.9	1860.3	1850.3	1842.7	1839.2
5°	2051.3	2052.9	2049.8	2038.8	2031.6	2020.5	2008.0	1985.9	1967.6	1949.9	1936.0
7.5°	2225.1	2226.1	2216.4	2213.0	2194.4	2180.9	2153.1	2123.2	2096.6	2062.8	2036.9
10°	2326.1	2325.4	2315.1	2307.1	2290.8	2270.3	2243.2	2207.8	2174.8	2138.1	2102.8
12.5°	2384.9	2383.0	2379.7	2369.9	2354.9	2336.8	2313.7	2279.0	2238.3	2198.0	2156.8
15°	2464.3	2459.1	2449.6	2437.0	2415.7	2394.4	2368.7	2337.9	2299.0	2253.4	2215.2
17.5°	2562.4	2562.6	2547.9	2530.5	2501.6	2464.0	2424.3	2374.5	2321.6	2271.4	2230.8
20°	2643.5	2641.3	2626.7	2592.8	2559.8	2512.7	2467.2	2406.2	2341.6	2276.1	2225.4
22.5°	2760.0	2754.2	2738.9	2694.5	2643.3	2582.7	2513.0	2438.5	2360.4	2286.1	2219.6
25°	2950.6	2946.2	2916.1	2864.7	2792.7	2699.3	2608.3	2506.1	2393.8	2296.0	2215.2
27.5°	3081.2	3076.3	3053.9	3011.2	2944.8	2846.6	2723.3	2586.8	2446.5	2312.1	2195.5
30°	3068.2	3079.2	3076.3	3056.5	3006.5	2918.3	2804.4	2650.9	2484.1	2326.1	2187.3
32.5°	2883.6	2893.5	2919.3	2958.3	2961.2	2925.9	2840.9	2699.1	2526.4	2346.7	2180.8
35°	2448.1	2461.4	2511.3	2589.9	2692.7	2778.7	2796.3	2720.0	2564.9	2371.7	2171.1
37.5°	1882.1	1954.4	1996.4	2079.2	2234.6	2392.7	2544.8	2600.8	2534.8	2361.4	2155.4
40°	1598.7	1616.4	1691.3	1784.6	1915.4	2080.0	2296.8	2453.2	2458.3	2337.9	2130.7
42.5°	1368.4	1390.7	1442.1	1516.6	1628.6	1793.2	2016.9	2223.5	2319.1	2273.2	2098.4
45°	1094.8	1111.6	1149.1	1206.5	1292.4	1428.3	1620.8	1859.5	2049.2	2123.4	2011.7
47.5°	899.3	908.4	941.0	984.7	1048.3	1147.4	1296.4	1503.6	1731.0	1890.5	1874.7
50°	793.5	803.8	828.8	861.9	915.5	999.2	1118.2	1290.9	1525.3	1720.0	1759.0
52.5°	711.2	719.7	735.3	766.6	810.9	875.2	971.3	1127.5	1338.4	1545.4	1635.5
55°	601.0	606.9	619.3	637.0	672.3	718.6	801.5	909.6	1080.1	1288.7	1421.0
57.5°	510.2	513.1	521.0	537.3	561.8	595.6	655.5	747.1	869.3	1057.2	1203.2
60°	452.6	455.5	465.8	476.8	496.0	526.8	573.8	637.7	755.3	910.3	1058.0
62.5°	406.7	408.5	412.9	424.0	440.7	464.5	501.5	553.6	647.1	783.3	922.8
65°	340.9	341.7	343.1	351.9	362.2	379.8	404.1	440.8	511.3	614.3	737.6
67.5°	277.8	278.7	283.9	287.0	297.7	307.0	321.2	349.3	399.0	468.3	564.3
70°	242.4	241.8	246.9	250.5	254.2	265.2	274.8	297.6	328.4	381.4	461.4
72.5°	209.5	207.6	209.8	211.1	216.0	223.5	233.1	247.0	270.8	307.3	368.5
75°	158.7	159.5	159.5	160.9	164.6	167.5	170.4	177.8	191.1	215.3	248.4
77.5°	111.4	110.2	113.3	113.8	115.9	119.1	121.7	124.6	130.1	140.1	157.1
80°	80.8	80.8	81.5	83.8	83.0	84.5	88.1	91.1	97.7	103.6	109.4
82.5°	62.0	61.5	62.1	62.6	62.5	63.9	65.2	65.8	68.3	71.3	75.4
85°	33.8	33.8	34.5	34.5	35.3	35.3	36.0	36.0	36.0	36.8	37.5
87.5°	19.8	18.9	18.2	18.0	18.4	19.3	18.5	17.5	17.2	16.9	17.1
90°	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9	24.3	22.7	20.5
92.5°	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7	56.6	54.6	51.8
95°	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9	111.7	109.4	106.3
97.5°	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4	176.3	174.3	169.9
100°	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2	220.4	217.4	213.4
102.5°	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2	266.1	263.0	260.9
105°	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6	341.7	339.8	337.8
107.5°	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8	422.8	421.9	420.5
110°	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6	478.5	477.6	476.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4	534.9	534.5	533.3
115°	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6	620.9	621.2	620.6
117.5°	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9	705.6	705.4	704.7
120°	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4	763.4	763.4	763.0
122.5°	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7	819.9	820.2	819.4
125°	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9	903.4	904.1	903.8
127.5°	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3	985.6	986.0	985.6
130°	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9	1040.2	1040.6	1039.9
132.5°	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2	1092.5	1092.9	1093.0
135°	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7	1172.7	1172.7	1172.4
137.5°	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1	1250.8	1250.4	1249.6
140°	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5	1299.9	1299.3	1298.4
142.5°	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9	1348.5	1348.1	1347.0
145°	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6	1418.6	1418.6	1417.7
147.5°	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3	1482.5	1481.8	1481.0
150°	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9	1523.9	1523.9	1522.6
152.5°	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8	1561.0	1560.3	1559.7
155°	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9	1614.7	1613.4	1613.1
157.5°	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8	1661.6	1660.3	1660.0
160°	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3	1690.0	1688.8	1688.5
162.5°	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0	1716.5	1714.9	1714.9
165°	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8	1752.6	1751.3	1751.0
167.5°	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4	1778.5	1776.6	1776.6
170°	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3	1794.4	1792.5	1792.5
172.5°	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7	1805.8	1803.9	1803.9
175°	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5	1818.5	1816.7	1816.7
177.5°	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3	1824.8	1823.3	1823.4
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1839.2	1835.0	1827.4	1820.3	1811.6	1803.9	1798.6	1792.2	1784.0	1774.0	1765.7
5°	1920.5	1904.4	1883.1	1864.7	1841.3	1822.9	1803.7	1785.4	1767.0	1743.5	1723.0
7.5°	2010.8	1977.5	1944.9	1904.1	1867.1	1834.0	1802.2	1770.1	1738.6	1705.2	1673.1
10°	2066.1	2025.6	1980.8	1929.4	1882.4	1837.6	1796.4	1756.0	1713.4	1675.9	1635.5
12.5°	2117.8	2065.6	2014.3	1949.4	1892.9	1838.1	1785.8	1735.4	1689.9	1641.2	1597.9
15°	2164.5	2113.1	2055.8	1976.4	1897.8	1831.6	1769.9	1704.6	1647.9	1593.7	1545.1
17.5°	2182.6	2128.6	2062.1	1985.8	1899.9	1816.7	1737.2	1665.5	1598.9	1535.6	1481.0
20°	2175.5	2123.4	2055.0	1982.3	1890.5	1803.7	1717.8	1638.4	1564.2	1497.3	1439.4
22.5°	2158.5	2104.5	2038.5	1961.7	1874.5	1782.6	1690.7	1606.1	1528.3	1459.2	1395.8
25°	2132.9	2059.5	1991.9	1916.8	1833.9	1742.8	1647.9	1554.6	1471.7	1401.1	1332.1
27.5°	2106.3	2014.6	1928.6	1854.2	1766.4	1685.2	1593.7	1498.1	1410.8	1339.0	1268.1
30°	2082.2	1979.3	1884.5	1800.1	1717.0	1639.9	1553.2	1459.9	1370.3	1296.1	1224.1
32.5°	2052.2	1942.9	1838.7	1741.3	1661.2	1584.7	1506.2	1417.0	1329.7	1253.1	1180.0
35°	2014.6	1875.0	1761.9	1658.3	1569.3	1495.2	1424.7	1352.6	1265.2	1185.8	1114.6
37.5°	1965.2	1806.9	1675.9	1563.0	1469.3	1394.8	1339.1	1273.3	1193.4	1117.5	1051.4
40°	1935.2	1757.5	1614.2	1502.5	1404.0	1325.4	1273.3	1217.5	1144.7	1073.5	1007.3
42.5°	1895.3	1712.2	1551.9	1435.5	1336.4	1260.7	1208.1	1159.2	1098.3	1031.1	960.3
45°	1816.9	1624.5	1456.2	1331.3	1231.4	1157.2	1108.0	1064.6	1018.3	956.6	894.8
47.5°	1715.0	1533.0	1356.9	1220.5	1122.7	1053.8	1006.0	971.8	938.7	886.2	826.2
50°	1633.3	1457.7	1285.7	1153.5	1049.1	983.8	939.0	911.8	881.7	833.9	783.9
52.5°	1536.9	1380.1	1211.7	1076.5	978.1	916.8	873.7	846.6	821.7	782.8	735.2
55°	1385.0	1247.5	1093.3	970.5	880.2	818.5	777.3	751.6	737.0	703.9	666.4
57.5°	1209.7	1111.2	975.2	856.9	776.9	716.0	685.8	663.9	647.3	624.0	597.5
60°	1087.4	1018.3	896.4	783.9	710.5	652.4	625.3	606.9	591.4	571.7	551.0
62.5°	963.4	913.1	807.0	710.5	642.9	594.3	568.8	552.2	534.4	521.0	501.1
65°	797.2	752.3	678.9	603.2	540.7	501.8	483.4	468.7	457.7	443.0	429.0
67.5°	620.1	601.9	551.2	499.0	454.2	419.5	403.7	393.4	380.1	371.4	361.7
70°	511.3	502.6	466.6	432.1	390.1	366.6	351.9	347.5	331.4	322.5	315.9
72.5°	415.0	410.9	390.1	366.2	336.7	316.0	302.6	297.6	287.3	280.2	276.0
75°	284.4	285.8	282.1	266.7	255.7	242.4	230.7	227.7	220.5	214.5	210.8
77.5°	179.8	187.4	187.7	186.9	182.5	174.5	169.6	167.4	160.1	158.0	157.1
80°	123.5	131.5	138.8	138.1	136.7	134.5	130.8	128.6	124.9	122.7	121.2
82.5°	82.3	89.8	96.0	99.9	99.6	97.5	94.9	93.9	93.1	91.5	91.2
85°	38.9	40.4	42.6	47.8	51.5	52.1	51.5	50.7	48.4	49.2	50.0
87.5°	17.2	16.8	16.9	16.4	15.4	17.7	19.0	19.1	18.4	17.7	17.1
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4	36.2	38.0	39.7
95°	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4	93.0	93.7	94.3
97.5°	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5	153.7	154.0	154.3
100°	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
102.5°	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9	249.2	250.4	251.7
105°	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1	325.6	327.3	328.9
107.5°	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2	409.8	411.4	413.0
110°	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3	467.9	469.4	471.0



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4	526.2	527.1	527.8
115°	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7	614.0	615.2	616.4
117.5°	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2	700.8	701.3	701.9
120°	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8	756.4	758.0	759.6
122.5°	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0	814.5	815.1	815.7
125°	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1	896.0	898.0	899.8
127.5°	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4	980.5	981.6	982.6
130°	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6	1032.2	1033.8	1035.3
132.5°	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8	1084.4	1086.9	1089.6
135°	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8	1164.7	1166.6	1168.5
137.5°	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0	1240.9	1242.6	1244.4
140°	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9	1289.5	1291.0	1292.6
142.5°	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8	1338.1	1339.4	1340.8
145°	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7	1409.9	1411.3	1412.5
147.5°	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3	1475.9	1476.6	1477.3
150°	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6	1519.3	1519.0	1518.6
152.5°	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9	1556.4	1556.9	1557.3
155°	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0	1661.3	1660.7	1659.9
160°	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6	1690.6	1689.7	1688.8
162.5°	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8	1717.0	1716.4	1715.7
165°	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8	1752.1	1751.4	1750.9
167.5°	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3	1781.0	1779.8	1778.5
170°	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2	1797.0	1795.6	1794.4
172.5°	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6	1808.4	1807.0	1805.8
175°	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4	1821.1	1819.9	1818.5
177.5°	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9	1827.9	1826.9	1825.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1759.8	1751.6	1745.7	1733.9	1725.7	1722.2	1715.7	1713.9	1720.4	1715.7	1715.1
5°	1707.5	1686.2	1669.3	1652.4	1634.0	1622.3	1604.7	1601.7	1597.3	1590.6	1589.2
7.5°	1644.7	1617.0	1595.3	1567.4	1543.0	1523.5	1501.5	1491.0	1485.4	1476.8	1465.4
10°	1602.4	1569.3	1540.0	1512.0	1482.0	1457.7	1435.7	1418.7	1407.7	1397.4	1393.1
12.5°	1560.7	1527.0	1489.4	1455.7	1422.0	1394.8	1370.4	1359.4	1347.2	1335.1	1324.8
15°	1495.9	1451.0	1409.9	1371.0	1342.4	1313.0	1289.4	1273.3	1254.9	1249.8	1229.9
17.5°	1427.1	1383.2	1335.0	1294.0	1260.7	1228.4	1202.6	1184.2	1170.4	1151.5	1142.4
20°	1384.2	1332.1	1285.1	1247.5	1210.8	1172.6	1146.1	1130.8	1117.5	1102.1	1094.8
22.5°	1338.4	1287.4	1239.2	1195.2	1157.9	1120.3	1101.5	1085.5	1070.4	1056.2	1046.5
25°	1271.1	1219.7	1168.9	1123.4	1084.5	1057.2	1035.2	1016.8	1008.8	994.9	984.5
27.5°	1204.5	1149.8	1097.2	1051.8	1021.2	994.4	976.3	961.8	947.2	935.0	926.0
30°	1161.6	1105.8	1048.5	1012.5	980.1	954.4	934.5	920.6	909.6	898.5	891.9
32.5°	1118.7	1061.1	1010.2	971.3	940.8	918.5	898.1	884.8	873.2	860.9	853.2
35°	1049.9	991.2	950.0	911.8	881.7	861.1	847.2	828.0	818.5	809.6	801.5
37.5°	986.0	931.3	886.8	853.3	827.2	806.7	788.6	778.4	766.6	758.7	752.0
40°	939.0	889.0	848.6	813.3	794.3	771.5	754.6	741.3	732.5	722.3	714.9
42.5°	896.6	850.3	811.0	779.3	755.4	736.2	719.9	706.6	695.5	688.2	681.9
45°	836.9	790.6	752.3	722.9	701.0	682.6	665.6	659.0	644.3	635.6	632.6
47.5°	775.0	733.6	696.6	669.6	647.0	629.6	613.8	600.3	592.2	583.5	578.8
50°	733.3	693.6	659.0	632.6	610.6	591.4	576.7	568.0	556.9	548.8	543.0
52.5°	691.5	654.8	620.3	594.9	575.9	556.8	540.4	531.5	521.0	515.9	511.8
55°	631.9	593.0	563.5	538.6	518.7	501.1	485.7	476.8	470.2	465.1	463.6
57.5°	564.3	533.4	506.1	483.6	463.0	446.4	432.9	424.5	418.7	417.9	413.5
60°	520.2	492.3	467.3	443.0	425.4	410.0	398.2	388.7	382.8	382.0	380.6
62.5°	476.1	449.3	426.1	404.8	389.0	374.1	363.0	352.2	348.7	345.1	341.8
65°	410.7	386.4	367.4	350.4	333.6	321.0	310.1	303.4	295.4	291.0	282.9
67.5°	346.5	327.7	309.3	295.1	281.8	269.9	260.8	251.0	245.5	242.0	236.1
70°	304.2	289.5	271.1	255.7	245.4	235.8	228.5	217.4	213.8	210.8	207.9
72.5°	264.2	251.3	235.8	223.4	213.1	204.1	195.6	190.4	186.8	183.8	182.1
75°	207.9	195.5	182.2	173.4	166.1	158.7	154.3	150.6	149.1	148.5	145.4
77.5°	152.7	146.1	135.4	128.5	123.6	120.6	116.7	114.8	114.6	111.4	110.4
80°	116.8	113.1	104.3	101.4	97.7	94.8	92.6	88.9	85.2	83.8	81.5
82.5°	86.8	83.1	79.6	74.9	71.8	70.1	67.9	66.5	67.0	64.9	63.9
85°	46.3	42.6	41.2	40.4	38.9	40.4	39.7	38.9	38.2	37.5	38.2
87.5°	17.0	17.4	17.3	18.9	17.6	18.7	18.9	18.7	19.0	19.3	19.0
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9	27.5	29.0	30.3
92.5°	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7	60.8	63.0	64.3
95°	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9	116.1	118.3	119.7
97.5°	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4	180.5	182.6	183.9
100°	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2	226.0	228.8	230.6
102.5°	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2	272.3	275.3	277.4
105°	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6	345.4	347.3	348.7
107.5°	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8	424.7	425.7	426.1
110°	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6	480.5	481.5	481.7



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4	535.8	536.2	536.2
115°	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6	620.3	619.9	619.6
117.5°	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9	706.2	706.3	705.9
120°	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4	763.4	763.4	762.7
122.5°	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7	819.4	819.2	818.6
125°	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9	902.2	901.5	901.1
127.5°	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3	985.1	984.7	984.2
130°	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9	1039.6	1039.2	1038.8
132.5°	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2	1091.9	1091.6	1091.0
135°	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7	1172.7	1172.7	1172.1
137.5°	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1	1251.5	1251.9	1251.3
140°	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5	1301.2	1301.7	1301.3
142.5°	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9	1349.2	1349.7	1349.1
145°	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6	1418.6	1418.6	1418.1
147.5°	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3	1484.0	1484.8	1484.1
150°	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9	1523.9	1523.9	1523.5
152.5°	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8	1562.5	1563.3	1563.1
155°	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9	1617.2	1618.4	1618.3
157.5°	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8	1664.2	1665.4	1665.0
160°	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3	1692.5	1693.8	1693.7
162.5°	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0	1719.5	1721.0	1720.8
165°	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8	1755.1	1756.3	1756.1
167.5°	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4	1782.3	1784.1	1784.1
170°	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3	1798.2	1800.1	1800.0
172.5°	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7	1809.6	1811.5	1811.5
175°	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5	1822.4	1824.3	1824.1
177.5°	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3	1827.8	1829.3	1829.2
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1714.6	1708.1	1706.3	1708.6	1706.3	1708.1	1714.6	1715.1	1715.7	1720.4	1713.9
5°	1581.9	1574.5	1578.2	1576.7	1578.2	1574.5	1581.9	1589.2	1590.6	1597.3	1601.7
7.5°	1465.2	1456.0	1446.3	1449.4	1446.3	1456.0	1465.2	1465.4	1476.8	1485.4	1491.0
10°	1383.5	1376.1	1371.7	1375.4	1371.7	1376.1	1383.5	1393.1	1397.4	1407.7	1418.7
12.5°	1314.8	1310.3	1306.5	1304.9	1306.5	1310.3	1314.8	1324.8	1335.1	1347.2	1359.4
15°	1221.1	1212.3	1208.6	1199.1	1208.6	1212.3	1221.1	1229.9	1249.8	1254.9	1273.3
17.5°	1134.8	1131.9	1122.4	1118.2	1122.4	1131.9	1134.8	1142.4	1151.5	1170.4	1184.2
20°	1083.7	1080.8	1071.2	1077.1	1071.2	1080.8	1083.7	1094.8	1102.1	1117.5	1130.8
22.5°	1041.4	1034.9	1031.8	1030.1	1031.8	1034.9	1041.4	1046.5	1056.2	1070.4	1085.5
25°	981.6	972.0	968.4	963.9	968.4	972.0	981.6	984.5	994.9	1008.8	1016.8
27.5°	921.9	916.8	911.9	910.8	911.9	916.8	921.9	926.0	935.0	947.2	961.8
30°	883.2	878.0	874.3	874.3	874.3	878.0	883.2	891.9	898.5	909.6	920.6
32.5°	848.5	844.5	840.8	840.3	840.8	844.5	848.5	853.2	860.9	873.2	884.8
35°	798.0	792.0	790.6	786.2	790.6	792.0	798.0	801.5	809.6	818.5	828.0
37.5°	745.5	740.6	740.5	740.0	740.5	740.6	745.5	752.0	758.7	766.6	778.4
40°	711.9	708.2	707.6	702.4	707.6	708.2	711.9	714.9	722.3	732.5	741.3
42.5°	676.1	674.2	671.7	669.5	671.7	674.2	676.1	681.9	688.2	695.5	706.6
45°	627.5	622.3	622.3	618.6	622.3	622.3	627.5	632.6	635.6	644.3	659.0
47.5°	577.2	573.3	573.6	569.9	573.6	573.3	577.2	578.8	583.5	592.2	600.3
50°	543.7	541.5	540.7	539.3	540.7	541.5	543.7	543.0	548.8	556.9	568.0
52.5°	510.2	509.2	512.0	508.7	512.0	509.2	510.2	511.8	515.9	521.0	531.5
55°	465.1	462.9	467.3	462.9	467.3	462.9	465.1	463.6	465.1	470.2	476.8
57.5°	413.2	411.1	415.1	412.9	415.1	411.1	413.2	413.5	417.9	418.7	424.5
60°	379.1	374.8	376.9	377.7	376.9	374.8	379.1	380.6	382.0	382.8	388.7
62.5°	338.6	335.9	337.5	334.1	337.5	335.9	338.6	341.8	345.1	348.7	352.2
65°	281.4	279.2	276.3	274.8	276.3	279.2	281.4	282.9	291.0	295.4	303.4
67.5°	236.4	231.1	231.0	232.1	231.0	231.1	236.4	236.1	242.0	245.5	251.0
70°	203.5	203.5	202.7	202.7	202.7	203.5	203.5	207.9	210.8	213.8	217.4
72.5°	180.6	180.0	178.7	178.1	178.7	180.0	180.6	182.1	183.8	186.8	190.4
75°	145.4	146.2	144.8	144.0	144.8	146.2	145.4	145.4	148.5	149.1	150.6
77.5°	107.4	104.3	105.9	104.3	105.9	104.3	107.4	110.4	111.4	114.6	114.8
80°	81.5	80.8	83.0	80.8	83.0	80.8	81.5	81.5	83.8	85.2	88.9
82.5°	64.5	63.8	64.8	63.2	64.8	63.8	64.5	63.9	64.9	67.0	66.5
85°	38.9	38.2	37.5	38.2	37.5	38.2	38.9	38.2	37.5	38.2	38.9
87.5°	19.8	19.4	19.6	19.8	19.6	19.4	19.8	19.0	19.3	19.0	18.7
90°	31.3	32.2	33.2	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9
92.5°	65.0	65.7	66.4	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7
95°	120.4	121.0	121.6	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9
97.5°	184.3	184.6	185.0	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4
100°	231.2	231.9	232.5	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2
102.5°	278.2	279.1	280.0	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2
105°	349.7	350.6	351.6	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6
107.5°	426.0	426.0	425.9	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8
110°	481.5	481.1	480.8	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	535.6	535.1	534.5	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4
115°	619.3	619.0	618.7	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6
117.5°	704.6	703.3	702.1	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9
120°	761.5	760.2	758.9	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4
122.5°	817.6	816.5	815.5	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7
125°	900.8	900.4	900.1	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9
127.5°	983.5	983.0	982.3	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3
130°	1038.2	1037.6	1036.9	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9
132.5°	1090.1	1089.2	1088.4	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2
135°	1170.8	1169.6	1168.3	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7
137.5°	1249.7	1248.1	1246.5	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1
140°	1299.8	1298.2	1296.6	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5
142.5°	1347.5	1346.0	1344.3	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9
145°	1417.2	1416.3	1415.3	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6
147.5°	1482.0	1479.8	1477.7	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3
150°	1522.9	1522.3	1521.6	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9
152.5°	1562.0	1560.9	1559.7	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8
155°	1616.7	1615.1	1613.5	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9
157.5°	1662.8	1660.8	1658.7	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8
160°	1692.1	1690.5	1688.9	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3
162.5°	1719.0	1717.1	1715.3	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0
165°	1754.2	1752.3	1750.4	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8
167.5°	1782.2	1780.3	1778.3	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4
170°	1797.7	1795.5	1793.3	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3
172.5°	1809.5	1807.5	1805.5	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7
175°	1821.9	1819.7	1817.5	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5
177.5°	1827.4	1825.6	1823.8	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333737-830

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1715.7	1722.2	1725.7	1733.9	1745.7	1751.6	1759.8	1765.7	1774.0	1784.0	1792.2
5°	1604.7	1622.3	1634.0	1652.4	1669.3	1686.2	1707.5	1723.0	1743.5	1767.0	1785.4
7.5°	1501.5	1523.5	1543.0	1567.4	1595.3	1617.0	1644.7	1673.1	1705.2	1738.6	1770.1
10°	1435.7	1457.7	1482.0	1512.0	1540.0	1569.3	1602.4	1635.5	1675.9	1713.4	1756.0
12.5°	1370.4	1394.8	1422.0	1455.7	1489.4	1527.0	1560.7	1597.9	1641.2	1689.9	1735.4
15°	1289.4	1313.0	1342.4	1371.0	1409.9	1451.0	1495.9	1545.1	1593.7	1647.9	1704.6
17.5°	1202.6	1228.4	1260.7	1294.0	1335.0	1383.2	1427.1	1481.0	1535.6	1598.9	1665.5
20°	1146.1	1172.6	1210.8	1247.5	1285.1	1332.1	1384.2	1439.4	1497.3	1564.2	1638.4
22.5°	1101.5	1120.3	1157.9	1195.2	1239.2	1287.4	1338.4	1395.8	1459.2	1528.3	1606.1
25°	1035.2	1057.2	1084.5	1123.4	1168.9	1219.7	1271.1	1332.1	1401.1	1471.7	1554.6
27.5°	976.3	994.4	1021.2	1051.8	1097.2	1149.8	1204.5	1268.1	1339.0	1410.8	1498.1
30°	934.5	954.4	980.1	1012.5	1048.5	1105.8	1161.6	1224.1	1296.1	1370.3	1459.9
32.5°	898.1	918.5	940.8	971.3	1010.2	1061.1	1118.7	1180.0	1253.1	1329.7	1417.0
35°	847.2	861.1	881.7	911.8	950.0	991.2	1049.9	1114.6	1185.8	1265.2	1352.6
37.5°	788.6	806.7	827.2	853.3	886.8	931.3	986.0	1051.4	1117.5	1193.4	1273.3
40°	754.6	771.5	794.3	813.3	848.6	889.0	939.0	1007.3	1073.5	1144.7	1217.5
42.5°	719.9	736.2	755.4	779.3	811.0	850.3	896.6	960.3	1031.1	1098.3	1159.2
45°	665.6	682.6	701.0	722.9	752.3	790.6	836.9	894.8	956.6	1018.3	1064.6
47.5°	613.8	629.6	647.0	669.6	696.6	733.6	775.0	826.2	886.2	938.7	971.8
50°	576.7	591.4	610.6	632.6	659.0	693.6	733.3	783.9	833.9	881.7	911.8
52.5°	540.4	556.8	575.9	594.9	620.3	654.8	691.5	735.2	782.8	821.7	846.6
55°	485.7	501.1	518.7	538.6	563.5	593.0	631.9	666.4	703.9	737.0	751.6
57.5°	432.9	446.4	463.0	483.6	506.1	533.4	564.3	597.5	624.0	647.3	663.9
60°	398.2	410.0	425.4	443.0	467.3	492.3	520.2	551.0	571.7	591.4	606.9
62.5°	363.0	374.1	389.0	404.8	426.1	449.3	476.1	501.1	521.0	534.4	552.2
65°	310.1	321.0	333.6	350.4	367.4	386.4	410.7	429.0	443.0	457.7	468.7
67.5°	260.8	269.9	281.8	295.1	309.3	327.7	346.5	361.7	371.4	380.1	393.4
70°	228.5	235.8	245.4	255.7	271.1	289.5	304.2	315.9	322.5	331.4	347.5
72.5°	195.6	204.1	213.1	223.4	235.8	251.3	264.2	276.0	280.2	287.3	297.6
75°	154.3	158.7	166.1	173.4	182.2	195.5	207.9	210.8	214.5	220.5	227.7
77.5°	116.7	120.6	123.6	128.5	135.4	146.1	152.7	157.1	158.0	160.1	167.4
80°	92.6	94.8	97.7	101.4	104.3	113.1	116.8	121.2	122.7	124.9	128.6
82.5°	67.9	70.1	71.8	74.9	79.6	83.1	86.8	91.2	91.5	93.1	93.9
85°	39.7	40.4	38.9	40.4	41.2	42.6	46.3	50.0	49.2	48.4	50.7
87.5°	18.9	18.7	17.6	18.9	17.3	17.4	17.0	17.1	17.7	18.4	19.1
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	56.6	54.6	51.8	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4
95°	111.7	109.4	106.3	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4
97.5°	176.3	174.3	169.9	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5
100°	220.4	217.4	213.4	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0
102.5°	266.1	263.0	260.9	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9
105°	341.7	339.8	337.8	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1
107.5°	422.8	421.9	420.5	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2
110°	478.5	477.6	476.6	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.9	534.5	533.3	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4
115°	620.9	621.2	620.6	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7
117.5°	705.6	705.4	704.7	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2
120°	763.4	763.4	763.0	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8
122.5°	819.9	820.2	819.4	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0
125°	903.4	904.1	903.8	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1
127.5°	985.6	986.0	985.6	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4
130°	1040.2	1040.6	1039.9	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6
132.5°	1092.5	1092.9	1093.0	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8
135°	1172.7	1172.7	1172.4	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8
137.5°	1250.8	1250.4	1249.6	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0
140°	1299.9	1299.3	1298.4	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9
142.5°	1348.5	1348.1	1347.0	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8
145°	1418.6	1418.6	1417.7	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7
147.5°	1482.5	1481.8	1481.0	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3
150°	1523.9	1523.9	1522.6	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6
152.5°	1561.0	1560.3	1559.7	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9
155°	1614.7	1613.4	1613.1	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1661.6	1660.3	1660.0	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0
160°	1690.0	1688.8	1688.5	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6
162.5°	1716.5	1714.9	1714.9	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8
165°	1752.6	1751.3	1751.0	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8
167.5°	1778.5	1776.6	1776.6	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3
170°	1794.4	1792.5	1792.5	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2
172.5°	1805.8	1803.9	1803.9	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6
175°	1818.5	1816.7	1816.7	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4
177.5°	1824.8	1823.3	1823.4	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333737-830

CATALOG NUMBER: S125RDIW-S1270D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1798.6	1803.9	1811.6	1820.3	1827.4	1835.0	1839.2	1839.2	1842.7	1850.3	1860.3
5°	1803.7	1822.9	1841.3	1864.7	1883.1	1904.4	1920.5	1936.0	1949.9	1967.6	1985.9
7.5°	1802.2	1834.0	1867.1	1904.1	1944.9	1977.5	2010.8	2036.9	2062.8	2096.6	2123.2
10°	1796.4	1837.6	1882.4	1929.4	1980.8	2025.6	2066.1	2102.8	2138.1	2174.8	2207.8
12.5°	1785.8	1838.1	1892.9	1949.4	2014.3	2065.6	2117.8	2156.8	2198.0	2238.3	2279.0
15°	1769.9	1831.6	1897.8	1976.4	2055.8	2113.1	2164.5	2215.2	2253.4	2299.0	2337.9
17.5°	1737.2	1816.7	1899.9	1985.8	2062.1	2128.6	2182.6	2230.8	2271.4	2321.6	2374.5
20°	1717.8	1803.7	1890.5	1982.3	2055.0	2123.4	2175.5	2225.4	2276.1	2341.6	2406.2
22.5°	1690.7	1782.6	1874.5	1961.7	2038.5	2104.5	2158.5	2219.6	2286.1	2360.4	2438.5
25°	1647.9	1742.8	1833.9	1916.8	1991.9	2059.5	2132.9	2215.2	2296.0	2393.8	2506.1
27.5°	1593.7	1685.2	1766.4	1854.2	1928.6	2014.6	2106.3	2195.5	2312.1	2446.5	2586.8
30°	1553.2	1639.9	1717.0	1800.1	1884.5	1979.3	2082.2	2187.3	2326.1	2484.1	2650.9
32.5°	1506.2	1584.7	1661.2	1741.3	1838.7	1942.9	2052.2	2180.8	2346.7	2526.4	2699.1
35°	1424.7	1495.2	1569.3	1658.3	1761.9	1875.0	2014.6	2171.1	2371.7	2564.9	2720.0
37.5°	1339.1	1394.8	1469.3	1563.0	1675.9	1806.9	1965.2	2155.4	2361.4	2534.8	2600.8
40°	1273.3	1325.4	1404.0	1502.5	1614.2	1757.5	1935.2	2130.7	2337.9	2458.3	2453.2
42.5°	1208.1	1260.7	1336.4	1435.5	1551.9	1712.2	1895.3	2098.4	2273.2	2319.1	2223.5
45°	1108.0	1157.2	1231.4	1331.3	1456.2	1624.5	1816.9	2011.7	2123.4	2049.2	1859.5
47.5°	1006.0	1053.8	1122.7	1220.5	1356.9	1533.0	1715.0	1874.7	1890.5	1731.0	1503.6
50°	939.0	983.8	1049.1	1153.5	1285.7	1457.7	1633.3	1759.0	1720.0	1525.3	1290.9
52.5°	873.7	916.8	978.1	1076.5	1211.7	1380.1	1536.9	1635.5	1545.4	1338.4	1127.5
55°	777.3	818.5	880.2	970.5	1093.3	1247.5	1385.0	1421.0	1288.7	1080.1	909.6
57.5°	685.8	716.0	776.9	856.9	975.2	1111.2	1209.7	1203.2	1057.2	869.3	747.1
60°	625.3	652.4	710.5	783.9	896.4	1018.3	1087.4	1058.0	910.3	755.3	637.7
62.5°	568.8	594.3	642.9	710.5	807.0	913.1	963.4	922.8	783.3	647.1	553.6
65°	483.4	501.8	540.7	603.2	678.9	752.3	797.2	737.6	614.3	511.3	440.8
67.5°	403.7	419.5	454.2	499.0	551.2	601.9	620.1	564.3	468.3	399.0	349.3
70°	351.9	366.6	390.1	432.1	466.6	502.6	511.3	461.4	381.4	328.4	297.6
72.5°	302.6	316.0	336.7	366.2	390.1	410.9	415.0	368.5	307.3	270.8	247.0
75°	230.7	242.4	255.7	266.7	282.1	285.8	284.4	248.4	215.3	191.1	177.8
77.5°	169.6	174.5	182.5	186.9	187.7	187.4	179.8	157.1	140.1	130.1	124.6
80°	130.8	134.5	136.7	138.1	138.8	131.5	123.5	109.4	103.6	97.7	91.1
82.5°	94.9	97.5	99.6	99.9	96.0	89.8	82.3	75.4	71.3	68.3	65.8
85°	51.5	52.1	51.5	47.8	42.6	40.4	38.9	37.5	36.8	36.0	36.0
87.5°	19.0	17.7	15.4	16.4	16.9	16.8	17.2	17.1	16.9	17.2	17.5
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9
92.5°	36.2	38.0	39.7	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7
95°	93.0	93.7	94.3	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9
97.5°	153.7	154.0	154.3	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4
100°	199.0	199.0	199.0	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2
102.5°	249.2	250.4	251.7	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2
105°	325.6	327.3	328.9	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6
107.5°	409.8	411.4	413.0	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8
110°	467.9	469.4	471.0	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	526.2	527.1	527.8	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4
115°	614.0	615.2	616.4	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6
117.5°	700.8	701.3	701.9	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9
120°	756.4	758.0	759.6	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4
122.5°	814.5	815.1	815.7	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7
125°	896.0	898.0	899.8	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9
127.5°	980.5	981.6	982.6	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3
130°	1032.2	1033.8	1035.3	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9
132.5°	1084.4	1086.9	1089.6	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2
135°	1164.7	1166.6	1168.5	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7
137.5°	1240.9	1242.6	1244.4	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1
140°	1289.5	1291.0	1292.6	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5
142.5°	1338.1	1339.4	1340.8	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9
145°	1409.9	1411.3	1412.5	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6
147.5°	1475.9	1476.6	1477.3	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3
150°	1519.3	1519.0	1518.6	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9
152.5°	1556.4	1556.9	1557.3	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8
155°	1612.0	1612.0	1612.0	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9
157.5°	1661.3	1660.7	1659.9	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8
160°	1690.6	1689.7	1688.8	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3
162.5°	1717.0	1716.4	1715.7	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0
165°	1752.1	1751.4	1750.9	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8
167.5°	1781.0	1779.8	1778.5	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4
170°	1797.0	1795.6	1794.4	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3
172.5°	1808.4	1807.0	1805.8	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7
175°	1821.1	1819.9	1818.5	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5
177.5°	1827.9	1826.9	1825.9	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1867.9	1867.9	1877.9	1877.4	1883.9	1881.5	1882.6
5°	2008.0	2020.5	2031.6	2038.8	2049.8	2052.9	2051.3
7.5°	2153.1	2180.9	2194.4	2213.0	2216.4	2226.1	2225.1
10°	2243.2	2270.3	2290.8	2307.1	2315.1	2325.4	2326.1
12.5°	2313.7	2336.8	2354.9	2369.9	2379.7	2383.0	2384.9
15°	2368.7	2394.4	2415.7	2437.0	2449.6	2459.1	2464.3
17.5°	2424.3	2464.0	2501.6	2530.5	2547.9	2562.6	2562.4
20°	2467.2	2512.7	2559.8	2592.8	2626.7	2641.3	2643.5
22.5°	2513.0	2582.7	2643.3	2694.5	2738.9	2754.2	2760.0
25°	2608.3	2699.3	2792.7	2864.7	2916.1	2946.2	2950.6
27.5°	2723.3	2846.6	2944.8	3011.2	3053.9	3076.3	3081.2
30°	2804.4	2918.3	3006.5	3056.5	3076.3	3079.2	3068.2
32.5°	2840.9	2925.9	2961.2	2958.3	2919.3	2893.5	2883.6
35°	2796.3	2778.7	2692.7	2589.9	2511.3	2461.4	2448.1
37.5°	2544.8	2392.7	2234.6	2079.2	1996.4	1954.4	1882.1
40°	2296.8	2080.0	1915.4	1784.6	1691.3	1616.4	1598.7
42.5°	2016.9	1793.2	1628.6	1516.6	1442.1	1390.7	1368.4
45°	1620.8	1428.3	1292.4	1206.5	1149.1	1111.6	1094.8
47.5°	1296.4	1147.4	1048.3	984.7	941.0	908.4	899.3
50°	1118.2	999.2	915.5	861.9	828.8	803.8	793.5
52.5°	971.3	875.2	810.9	766.6	735.3	719.7	711.2
55°	801.5	718.6	672.3	637.0	619.3	606.9	601.0
57.5°	655.5	595.6	561.8	537.3	521.0	513.1	510.2
60°	573.8	526.8	496.0	476.8	465.8	455.5	452.6
62.5°	501.5	464.5	440.7	424.0	412.9	408.5	406.7
65°	404.1	379.8	362.2	351.9	343.1	341.7	340.9
67.5°	321.2	307.0	297.7	287.0	283.9	278.7	277.8
70°	274.8	265.2	254.2	250.5	246.9	241.8	242.4
72.5°	233.1	223.5	216.0	211.1	209.8	207.6	209.5
75°	170.4	167.5	164.6	160.9	159.5	159.5	158.7
77.5°	121.7	119.1	115.9	113.8	113.3	110.2	111.4
80°	88.1	84.5	83.0	83.8	81.5	80.8	80.8
82.5°	65.2	63.9	62.5	62.6	62.1	61.5	62.0
85°	36.0	35.3	35.3	34.5	34.5	33.8	33.8
87.5°	18.5	19.3	18.4	18.0	18.2	18.9	19.8
90°	27.5	29.0	30.3	31.3	32.2	33.2	34.1
92.5°	60.8	63.0	64.3	65.0	65.7	66.4	67.1
95°	116.1	118.3	119.7	120.4	121.0	121.6	122.2
97.5°	180.5	182.6	183.9	184.3	184.6	185.0	185.4
100°	226.0	228.8	230.6	231.2	231.9	232.5	233.1
102.5°	272.3	275.3	277.4	278.2	279.1	280.0	280.9
105°	345.4	347.3	348.7	349.7	350.6	351.6	352.5
107.5°	424.7	425.7	426.1	426.0	426.0	425.9	425.8
110°	480.5	481.5	481.7	481.5	481.1	480.8	480.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	535.8	536.2	536.2	535.6	535.1	534.5	534.0
115°	620.3	619.9	619.6	619.3	619.0	618.7	618.4
117.5°	706.2	706.3	705.9	704.6	703.3	702.1	700.8
120°	763.4	763.4	762.7	761.5	760.2	758.9	757.7
122.5°	819.4	819.2	818.6	817.6	816.5	815.5	814.5
125°	902.2	901.5	901.1	900.8	900.4	900.1	899.8
127.5°	985.1	984.7	984.2	983.5	983.0	982.3	981.7
130°	1039.6	1039.2	1038.8	1038.2	1037.6	1036.9	1036.3
132.5°	1091.9	1091.6	1091.0	1090.1	1089.2	1088.4	1087.4
135°	1172.7	1172.7	1172.1	1170.8	1169.6	1168.3	1167.1
137.5°	1251.5	1251.9	1251.3	1249.7	1248.1	1246.5	1244.9
140°	1301.2	1301.7	1301.3	1299.8	1298.2	1296.6	1295.0
142.5°	1349.2	1349.7	1349.1	1347.5	1346.0	1344.3	1342.7
145°	1418.6	1418.6	1418.1	1417.2	1416.3	1415.3	1414.4
147.5°	1484.0	1484.8	1484.1	1482.0	1479.8	1477.7	1475.6
150°	1523.9	1523.9	1523.5	1522.9	1522.3	1521.6	1521.0
152.5°	1562.5	1563.3	1563.1	1562.0	1560.9	1559.7	1558.6
155°	1617.2	1618.4	1618.3	1616.7	1615.1	1613.5	1612.0
157.5°	1664.2	1665.4	1665.0	1662.8	1660.8	1658.7	1656.6
160°	1692.5	1693.8	1693.7	1692.1	1690.5	1688.9	1687.3
162.5°	1719.5	1721.0	1720.8	1719.0	1717.1	1715.3	1713.4
165°	1755.1	1756.3	1756.1	1754.2	1752.3	1750.4	1748.4
167.5°	1782.3	1784.1	1784.1	1782.2	1780.3	1778.3	1776.3
170°	1798.2	1800.1	1800.0	1797.7	1795.5	1793.3	1791.1
172.5°	1809.6	1811.5	1811.5	1809.5	1807.5	1805.5	1803.6
175°	1822.4	1824.3	1824.1	1821.9	1819.7	1817.5	1815.2
177.5°	1827.8	1829.3	1829.2	1827.4	1825.6	1823.8	1822.1
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6

(END OF REPORT)