

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: P333484-940

Luminaire Tested: **S125DIW-S1270D1560U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333484-940  
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: S125DIW-S1270D1560U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10185.7 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

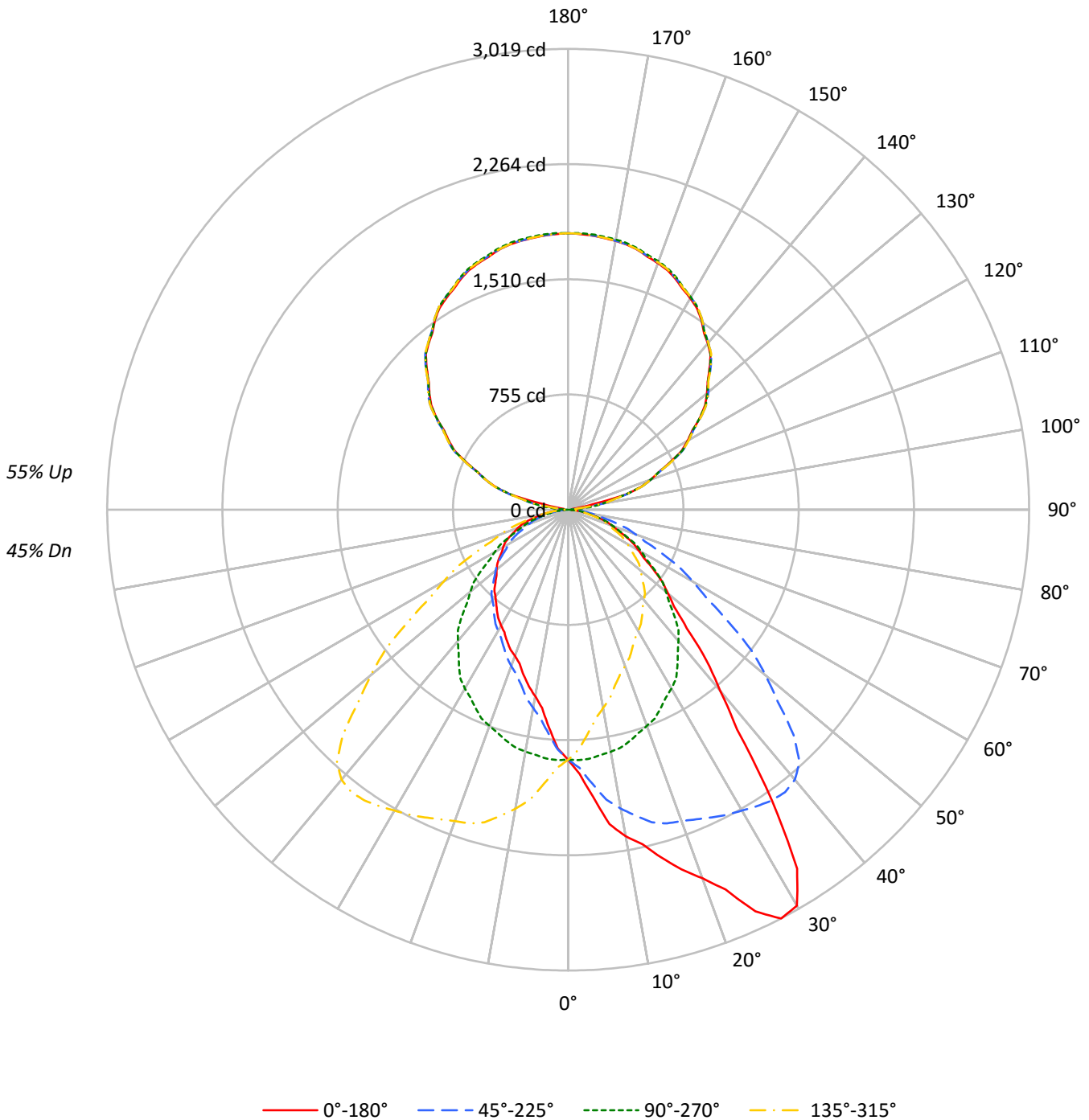
Input Watts (W): 82.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45																												
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39																												
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33																												
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28																												
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24																												
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21																												
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18																												
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16																												
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15																												
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13																												
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12																												

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

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	1.5
10°-20°	469.4	4.6
20°-30°	762.2	7.5
30°-40°	929.8	9.1
40°-50°	845.8	8.3
50°-60°	673.7	6.6
60°-70°	469.3	4.6
70°-80°	250.2	2.5
80°-90°	66.9	0.7
90°-100°	65.8	0.6
100°-110°	405.6	4.0
110°-120°	735.5	7.2
120°-130°	944.0	9.3
130°-140°	1015.3	10.0
140°-150°	953.0	9.4
150°-160°	770.9	7.6
160°-170°	498.6	4.9
170°-180°	172.0	1.7
0°-30°	1389.3	13.6
0°-40°	2319.0	22.8
0°-60°	3838.6	37.7
0°-90°	4625.0	45.4
90°-120°	1206.9	11.8
90°-150°	4119.2	40.4
90°-180°	5561.0	54.6
0°-180°	10185.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	54
90°	32	1	32	1	32	16
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°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	19.8	20.7	21.1	21.0	21.3	21.0	23.0	22.6	24.1	25.4	27.2
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°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	27.9	26.4	23.7	21.7	18.4	16.2	15.2	15.2	14.1	14.0	15.1
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: P333484-940

CATALOG NUMBER: S125DIW-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: P333484-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	16.1	17.7	17.5	18.5	18.9	20.4	20.2	22.6	24.1	25.5	25.1
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: P333484-940

CATALOG NUMBER: S125DIW-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: P333484-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	26.5	26.1	26.3	27.6	26.3	26.1	26.5	25.1	25.5	24.1	22.6
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



TEST NUMBER: P333484-940

CATALOG NUMBER: S125DIW-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°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	20.2	20.4	18.9	18.5	17.5	17.7	16.1	15.1	14.0	14.1	15.2
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: P333484-940

CATALOG NUMBER: S125DIW-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: P333484-940

CATALOG NUMBER: S125DIW-S1270D1560U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	15.2	16.2	18.4	21.7	23.7	26.4	27.9	27.2	25.4	24.1	22.6
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°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	23.0	21.0	21.3	21.0	21.1	20.7	19.8
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)