

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: P333728

Luminaire Tested: **S125RDIW-S1270D1050U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333728
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1270D1050U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9112.2 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

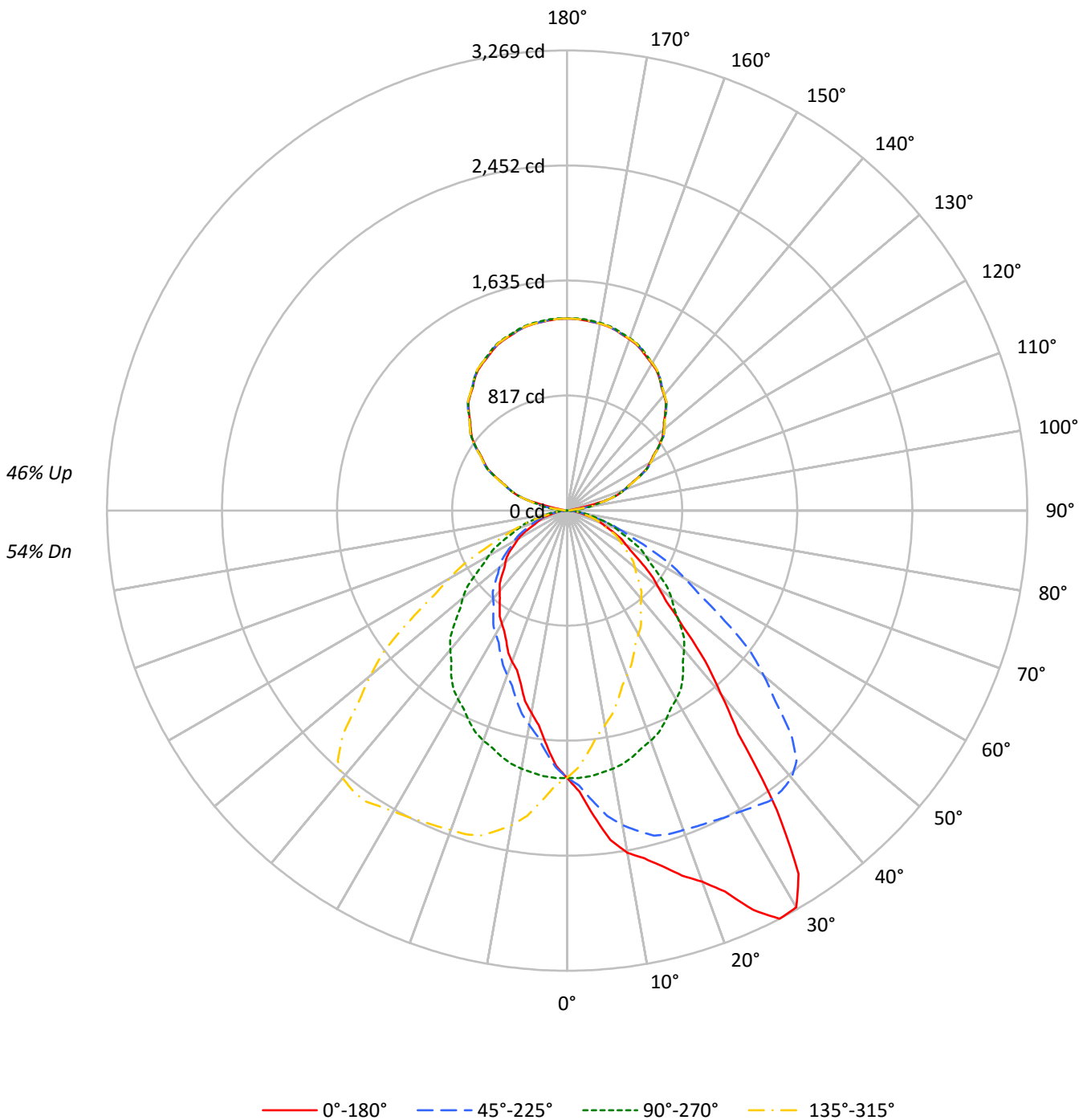
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	51	46
2	91	83	78	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	38	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12264	12264	12264	12264
5°	14110	12280	10845	12280
10°	16184	12218	9569	12218
15°	17481	12092	8506	12092
20°	19276	11947	7854	11947
25°	22308	11754	7288	11754
30°	24276	11551	6918	11551
35°	20478	11315	6576	11315
40°	14300	10890	6283	10890
45°	10609	10316	5994	10316
50°	8459	9720	5749	9720
55°	7179	8979	5530	8979
60°	6203	8317	5176	8317
65°	5527	7600	4455	7600
70°	4857	6962	4062	6962
75°	4202	6029	3813	6029
80°	3187	5073	3187	5073
85°	2660	3987	3001	3987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	2.0
10°-20°	533.6	5.9
20°-30°	846.1	9.3
30°-40°	1020.3	11.2
40°-50°	911.2	10.0
50°-60°	698.8	7.7
60°-70°	454.1	5.0
70°-80°	220.8	2.4
80°-90°	55.5	0.6
90°-100°	49.6	0.5
100°-110°	305.6	3.4
110°-120°	554.2	6.1
120°-130°	711.2	7.8
130°-140°	765.0	8.4
140°-150°	718.0	7.9
150°-160°	580.8	6.4
160°-170°	375.7	4.1
170°-180°	129.6	1.4
0°-30°	1561.8	17.1
0°-40°	2582.2	28.3
0°-60°	4192.1	46.0
0°-90°	4922.6	54.0
90°-120°	909.3	10.0
90°-150°	3103.6	34.1
90°-180°	4190.0	46.0
0°-180°	9112.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2176	1894	1673	1894	2176	217
15°	2614	1808	1272	1808	2614	749
25°	3130	1649	1023	1649	3130	1437
35°	2597	1435	834	1435	2597	1569
45°	1162	1130	656	1130	1162	927
55°	638	797	491	797	638	579
65°	362	497	292	497	362	360
75°	168	242	153	242	168	179
85°	36	54	40	54	36	42
90°	24	1	24	1	24	12
95°	21	58	21	58	21	18
105°	300	297	300	297	300	272
115°	554	558	554	558	554	550
125°	794	794	794	794	794	706
135°	986	990	986	990	986	761
145°	1145	1148	1145	1148	1145	715
155°	1255	1264	1255	1264	1255	578
165°	1327	1334	1327	1334	1327	374
175°	1358	1364	1358	1364	1358	129
180°	1364	1364	1364	1364	1364	



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1997.4	1996.2	1998.7	1991.8	1992.4	1981.8	1981.8	1973.7	1963.1	1955.0	1951.3
5°	2176.4	2178.0	2174.8	2163.1	2155.4	2143.7	2130.4	2107.0	2087.5	2068.8	2054.0
7.5°	2360.7	2361.8	2351.5	2347.9	2328.2	2313.9	2284.4	2252.6	2224.4	2188.6	2161.1
10°	2467.9	2467.2	2456.2	2447.7	2430.5	2408.7	2379.9	2342.4	2307.4	2268.4	2231.0
12.5°	2530.3	2528.3	2524.8	2514.4	2498.5	2479.2	2454.7	2417.9	2374.7	2332.0	2288.3
15°	2614.5	2609.0	2598.9	2585.6	2563.0	2540.4	2513.1	2480.4	2439.1	2390.8	2350.2
17.5°	2718.6	2718.8	2703.2	2684.8	2654.1	2614.2	2572.1	2519.2	2463.1	2409.9	2366.8
20°	2804.7	2802.3	2786.8	2750.9	2715.8	2665.9	2617.6	2552.9	2484.3	2414.9	2361.1
22.5°	2928.2	2922.1	2905.9	2858.8	2804.4	2740.1	2666.2	2587.2	2504.3	2425.5	2354.9
25°	3130.5	3125.8	3093.9	3039.3	2962.9	2863.9	2767.3	2658.9	2539.7	2436.0	2350.2
27.5°	3269.0	3263.8	3240.1	3194.8	3124.3	3020.1	2889.3	2744.5	2595.6	2453.0	2329.3
30°	3255.2	3266.9	3263.8	3242.8	3189.8	3096.2	2975.4	2812.5	2635.5	2467.9	2320.6
32.5°	3059.4	3069.9	3097.3	3138.6	3141.7	3104.3	3014.1	2863.6	2680.4	2489.8	2313.7
35°	2597.3	2611.4	2664.4	2747.8	2856.9	2948.1	2966.8	2885.8	2721.3	2516.3	2303.5
37.5°	1996.8	2073.5	2118.1	2205.9	2370.8	2538.6	2699.9	2759.3	2689.3	2505.4	2286.8
40°	1696.2	1714.9	1794.4	1893.4	2032.2	2206.8	2436.8	2602.8	2608.2	2480.4	2260.6
42.5°	1451.8	1475.5	1530.0	1609.1	1727.9	1902.5	2139.9	2359.0	2460.5	2411.8	2226.3
45°	1161.5	1179.4	1219.2	1280.0	1371.2	1515.4	1719.6	1972.9	2174.1	2252.8	2134.3
47.5°	954.1	963.8	998.4	1044.7	1112.2	1217.3	1375.4	1595.3	1836.5	2005.7	1989.0
50°	841.9	852.8	879.3	914.4	971.3	1060.1	1186.4	1369.6	1618.3	1824.8	1866.2
52.5°	754.6	763.6	780.1	813.3	860.3	928.6	1030.5	1196.2	1420.0	1639.6	1735.2
55°	637.6	643.9	657.1	675.8	713.3	762.4	850.4	965.0	1145.9	1367.3	1507.6
57.5°	541.3	544.4	552.8	570.1	596.0	631.9	695.5	792.6	922.3	1121.7	1276.5
60°	480.2	483.3	494.2	505.9	526.2	558.9	608.8	676.6	801.3	965.8	1122.5
62.5°	431.5	433.4	438.1	449.8	467.6	492.8	532.1	587.4	686.6	831.1	979.1
65°	361.7	362.5	364.0	373.4	384.3	403.0	428.7	467.7	542.5	651.7	782.6
67.5°	294.7	295.7	301.2	304.5	315.9	325.7	340.8	370.6	423.3	496.9	598.7
70°	257.2	256.5	261.9	265.8	269.7	281.4	291.5	315.7	348.4	404.6	489.5
72.5°	222.3	220.3	222.6	224.0	229.2	237.1	247.3	262.1	287.3	326.0	391.0
75°	168.4	169.2	169.2	170.7	174.6	177.7	180.8	188.6	202.7	228.4	263.5
77.5°	118.2	116.9	120.2	120.7	123.0	126.4	129.1	132.2	138.0	148.6	166.7
80°	85.7	85.7	86.5	88.9	88.1	89.6	93.5	96.7	103.7	109.9	116.1
82.5°	65.8	65.2	65.9	66.4	66.3	67.8	69.2	69.8	72.5	75.6	80.0
85°	35.9	35.9	36.6	36.6	37.4	37.4	38.2	38.2	38.2	39.0	39.8
87.5°	18.6	17.8	17.1	16.9	17.4	18.5	17.6	16.8	16.6	16.3	16.6
90°	24.3	23.6	22.9	22.3	21.6	20.7	19.6	18.4	17.3	16.2	14.6
92.5°	22.7	22.3	22.0	21.7	21.4	20.7	19.6	18.4	17.3	16.2	14.8
95°	21.2	21.2	21.2	21.2	21.2	20.7	19.6	18.4	17.3	16.2	24.7
97.5°	21.2	21.2	21.2	21.2	21.2	24.4	30.7	37.1	43.4	49.8	66.7
100°	21.2	22.1	23.0	23.9	24.8	42.0	75.5	109.0	142.5	176.0	175.1
102.5°	127.2	142.5	157.8	173.1	188.4	199.2	205.5	211.8	218.2	224.5	224.0
105°	300.4	300.6	300.8	301.1	301.3	301.4	301.4	301.4	301.4	301.4	301.4
107.5°	378.7	379.3	380.0	380.7	381.4	381.7	381.6	381.6	381.5	381.5	381.0
110°	432.9	432.6	432.4	432.2	432.0	432.2	432.9	433.5	434.2	434.9	434.4



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	481.4	481.7	482.0	482.4	482.7	483.3	484.1	485.0	485.8	486.7	486.4
115°	554.2	555.6	556.9	558.3	559.6	560.7	561.6	562.5	563.4	564.3	564.1
117.5°	631.9	632.5	633.1	633.7	634.2	635.1	636.3	637.5	638.6	639.8	638.9
120°	679.6	680.8	681.9	683.0	684.1	684.9	685.4	685.8	686.3	686.7	686.0
122.5°	725.0	726.3	727.6	728.9	730.2	731.0	731.5	731.9	732.4	732.8	732.5
125°	793.9	794.6	795.3	796.0	796.6	797.4	798.3	799.2	800.1	801.0	801.0
127.5°	852.0	853.6	855.3	857.0	858.6	859.7	860.2	860.7	861.2	861.7	861.8
130°	894.1	895.2	896.3	897.4	898.5	899.4	900.1	900.8	901.5	902.1	901.9
132.5°	932.9	934.0	935.1	936.3	937.4	938.0	938.1	938.3	938.4	938.6	939.0
135°	986.1	987.4	988.8	990.1	991.5	992.4	992.8	993.3	993.7	994.2	994.6
137.5°	1039.5	1040.7	1041.8	1043.0	1044.2	1044.7	1044.6	1044.5	1044.4	1044.3	1044.7
140°	1071.0	1072.4	1073.7	1075.1	1076.4	1076.9	1076.4	1076.0	1075.5	1075.1	1075.3
142.5°	1101.0	1102.3	1103.7	1105.0	1106.4	1107.0	1106.9	1106.8	1106.7	1106.6	1106.3
145°	1144.9	1146.2	1147.6	1148.9	1150.3	1150.8	1150.6	1150.4	1150.2	1149.9	1149.9
147.5°	1181.1	1182.7	1184.3	1185.9	1187.6	1188.2	1188.0	1187.7	1187.4	1187.1	1186.9
150°	1204.5	1206.3	1208.1	1209.9	1211.7	1212.4	1212.0	1211.5	1211.1	1210.6	1210.2
152.5°	1226.4	1228.0	1229.6	1231.2	1232.9	1233.4	1233.0	1232.5	1232.1	1231.6	1231.2
155°	1255.1	1256.9	1258.7	1260.5	1262.3	1262.9	1262.2	1261.5	1260.8	1260.2	1259.7
157.5°	1279.2	1281.0	1282.8	1284.6	1286.4	1286.9	1286.2	1285.5	1284.8	1284.0	1284.0
160°	1294.6	1296.4	1298.2	1300.0	1301.7	1302.2	1301.3	1300.4	1299.5	1298.6	1298.4
162.5°	1308.3	1310.3	1312.3	1314.2	1316.2	1316.6	1315.3	1314.1	1312.8	1311.5	1311.3
165°	1326.9	1328.7	1330.5	1332.3	1334.1	1334.3	1333.0	1331.6	1330.3	1328.9	1328.7
167.5°	1339.9	1341.9	1343.9	1345.9	1348.0	1348.2	1346.5	1344.9	1343.3	1341.7	1341.5
170°	1347.1	1349.2	1351.2	1353.2	1355.2	1355.4	1353.6	1351.8	1350.0	1348.2	1347.9
172.5°	1352.0	1354.0	1356.0	1358.1	1360.1	1360.3	1358.7	1357.1	1355.4	1353.8	1353.4
175°	1358.3	1360.3	1362.3	1364.3	1366.4	1366.5	1364.7	1362.9	1361.1	1359.3	1359.1
177.5°	1361.9	1363.4	1364.8	1366.2	1367.7	1367.8	1366.5	1365.2	1364.0	1362.7	1362.5
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1951.3	1946.9	1938.8	1931.3	1922.0	1913.9	1908.2	1901.4	1892.7	1882.1	1873.3
5°	2037.6	2020.5	1997.9	1978.4	1953.5	1934.0	1913.7	1894.2	1874.7	1849.8	1828.0
7.5°	2133.4	2098.0	2063.5	2020.2	1980.9	1945.8	1912.1	1878.0	1844.6	1809.2	1775.1
10°	2192.0	2149.1	2101.6	2047.0	1997.1	1949.6	1905.9	1863.0	1817.8	1778.1	1735.2
12.5°	2246.9	2191.5	2137.1	2068.2	2008.3	1950.2	1894.7	1841.2	1792.9	1741.3	1695.3
15°	2296.4	2241.9	2181.1	2096.9	2013.5	1943.3	1877.8	1808.5	1748.4	1690.8	1639.3
17.5°	2315.6	2258.4	2187.8	2106.9	2015.7	1927.4	1843.1	1767.0	1696.4	1629.2	1571.3
20°	2308.1	2252.8	2180.3	2103.1	2005.7	1913.7	1822.5	1738.3	1659.6	1588.6	1527.1
22.5°	2290.1	2232.8	2162.8	2081.3	1988.8	1891.3	1793.8	1704.0	1621.5	1548.1	1480.9
25°	2262.9	2185.0	2113.3	2033.7	1945.7	1849.0	1748.4	1649.4	1561.4	1486.5	1413.3
27.5°	2234.7	2137.4	2046.2	1967.2	1874.1	1787.9	1690.9	1589.4	1496.8	1420.6	1345.4
30°	2209.1	2100.0	1999.4	1909.8	1821.7	1739.9	1647.9	1548.9	1453.8	1375.1	1298.7
32.5°	2177.3	2061.3	1950.8	1847.4	1762.5	1681.3	1598.0	1503.4	1410.8	1329.5	1251.9
35°	2137.4	1989.3	1869.3	1759.4	1665.0	1586.3	1511.5	1435.1	1342.3	1258.1	1182.5
37.5°	2085.0	1917.0	1778.1	1658.3	1558.9	1479.8	1420.7	1350.9	1266.2	1185.6	1115.5
40°	2053.2	1864.6	1712.6	1594.1	1489.6	1406.2	1350.9	1291.7	1214.5	1138.9	1068.7
42.5°	2010.8	1816.6	1646.5	1523.0	1417.9	1337.6	1281.7	1229.9	1165.2	1094.0	1018.8
45°	1927.7	1723.5	1545.0	1412.5	1306.5	1227.7	1175.5	1129.5	1080.4	1014.9	949.4
47.5°	1819.5	1626.4	1439.6	1294.9	1191.1	1118.0	1067.3	1031.0	995.9	940.2	876.6
50°	1732.9	1546.6	1364.1	1223.8	1113.1	1043.8	996.2	967.4	935.4	884.7	831.7
52.5°	1630.6	1464.2	1285.6	1142.1	1037.7	972.7	927.0	898.2	871.8	830.5	780.0
55°	1469.4	1323.6	1159.9	1029.7	933.9	868.4	824.7	797.4	781.9	746.8	707.0
57.5°	1283.4	1178.9	1034.6	909.1	824.3	759.6	727.6	704.4	686.8	662.0	633.9
60°	1153.7	1080.4	951.0	831.7	753.8	692.2	663.4	643.9	627.5	606.5	584.6
62.5°	1022.1	968.8	856.2	753.8	682.1	630.5	603.5	585.9	567.0	552.8	531.6
65°	845.8	798.2	720.3	640.0	573.7	532.4	512.9	497.3	485.6	470.0	455.2
67.5°	657.9	638.6	584.8	529.4	481.9	445.1	428.3	417.4	403.3	394.0	383.8
70°	542.5	533.2	495.0	458.4	413.9	389.0	373.4	368.7	351.6	342.2	335.2
72.5°	440.3	435.9	413.9	388.5	357.2	335.3	321.0	315.7	304.8	297.3	292.8
75°	301.7	303.2	299.3	283.0	271.3	257.2	244.8	241.6	233.9	227.6	223.7
77.5°	190.8	198.8	199.1	198.3	193.6	185.1	179.9	177.6	169.9	167.6	166.7
80°	131.0	139.5	147.3	146.5	145.0	142.7	138.8	136.4	132.5	130.2	128.6
82.5°	87.3	95.3	101.8	106.0	105.7	103.4	100.7	99.6	98.8	97.1	96.8
85°	41.3	42.9	45.2	50.7	54.6	55.3	54.6	53.8	51.4	52.2	53.0
87.5°	17.0	16.6	16.9	16.6	15.6	18.4	19.9	20.2	19.3	18.4	17.5
90°	13.0	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	13.4	12.0	10.6	10.5	11.8	13.1	14.3	15.6	14.3	13.1	11.8
95°	33.3	41.8	50.3	55.0	55.6	56.3	57.0	57.6	57.0	56.3	55.6
97.5°	83.6	100.5	117.4	125.2	124.0	122.8	121.6	120.4	121.6	122.8	124.0
100°	174.2	173.3	172.4	171.6	170.9	170.2	169.6	168.9	169.6	170.2	170.9
102.5°	223.4	222.9	222.4	221.7	220.8	220.0	219.1	218.3	219.1	220.0	220.8
105°	301.4	301.4	301.4	300.9	300.0	299.1	298.2	297.3	298.2	299.1	300.0
107.5°	380.6	380.1	379.7	379.5	379.5	379.5	379.5	379.5	379.5	379.5	379.5
110°	434.0	433.5	433.1	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.1	485.9	485.6	485.2	484.6	484.1	483.6	483.0	483.6	484.1	484.6
115°	563.9	563.7	563.4	562.8	561.6	560.5	559.4	558.3	559.4	560.5	561.6
117.5°	638.1	637.2	636.4	636.0	636.0	636.1	636.1	636.2	636.1	636.1	636.0
120°	685.4	684.7	684.0	683.8	684.0	684.2	684.5	684.7	684.5	684.2	684.0
122.5°	732.2	731.9	731.6	731.0	730.1	729.3	728.4	727.6	728.4	729.3	730.1
125°	801.0	801.0	801.0	800.2	798.6	797.1	795.5	793.9	795.5	797.1	798.6
127.5°	862.0	862.1	862.2	861.7	860.6	859.5	858.4	857.2	858.4	859.5	860.6
130°	901.7	901.5	901.2	900.6	899.4	898.3	897.2	896.1	897.2	898.3	899.4
132.5°	939.5	940.0	940.5	940.1	938.8	937.5	936.2	934.9	936.2	937.5	938.8
135°	995.1	995.5	996.0	995.5	994.2	992.8	991.5	990.1	991.5	992.8	994.2
137.5°	1045.2	1045.6	1046.0	1045.6	1044.4	1043.2	1042.1	1040.9	1042.1	1043.2	1044.4
140°	1075.5	1075.8	1076.0	1075.9	1075.4	1075.0	1074.5	1074.1	1074.5	1075.0	1075.4
142.5°	1106.0	1105.7	1105.4	1105.1	1104.8	1104.6	1104.3	1104.0	1104.3	1104.6	1104.8
145°	1149.9	1149.9	1149.9	1149.7	1149.3	1148.8	1148.4	1147.9	1148.4	1148.8	1149.3
147.5°	1186.6	1186.3	1186.1	1186.0	1186.1	1186.2	1186.3	1186.3	1186.3	1186.2	1186.1
150°	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1210.2	1209.7	1209.3
152.5°	1230.8	1230.3	1229.9	1230.1	1231.1	1232.1	1233.1	1234.1	1233.1	1232.1	1231.1
155°	1259.3	1258.8	1258.4	1258.8	1260.2	1261.5	1262.9	1264.2	1262.9	1261.5	1260.2
157.5°	1283.9	1283.9	1283.9	1284.2	1285.1	1285.9	1286.7	1287.5	1286.7	1285.9	1285.1
160°	1298.2	1297.9	1297.7	1298.3	1299.6	1301.0	1302.3	1303.7	1302.3	1301.0	1299.6
162.5°	1311.1	1310.9	1310.6	1311.2	1312.6	1313.9	1315.3	1316.6	1315.3	1313.9	1312.6
165°	1328.5	1328.3	1328.0	1328.6	1330.0	1331.3	1332.7	1334.0	1332.7	1331.3	1330.0
167.5°	1341.2	1341.0	1340.8	1341.4	1342.8	1344.2	1345.6	1346.9	1345.6	1344.2	1342.8
170°	1347.7	1347.5	1347.3	1347.9	1349.5	1351.1	1352.7	1354.2	1352.7	1351.1	1349.5
172.5°	1353.0	1352.6	1352.2	1352.8	1354.4	1355.9	1357.5	1359.1	1357.5	1355.9	1354.4
175°	1358.8	1358.6	1358.4	1358.9	1360.3	1361.6	1363.0	1364.3	1363.0	1361.6	1360.3
177.5°	1362.4	1362.2	1362.0	1362.5	1363.5	1364.6	1365.7	1366.8	1365.7	1364.6	1363.5
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1867.1	1858.4	1852.1	1839.6	1830.9	1827.2	1820.3	1818.4	1825.3	1820.3	1819.7
5°	1811.6	1789.0	1771.1	1753.1	1733.6	1721.2	1702.5	1699.3	1694.7	1687.6	1686.1
7.5°	1745.0	1715.6	1692.5	1662.9	1637.1	1616.4	1593.0	1581.9	1575.9	1566.8	1554.7
10°	1700.1	1665.0	1633.9	1604.2	1572.3	1546.6	1523.2	1505.2	1493.5	1482.6	1478.0
12.5°	1655.8	1620.1	1580.2	1544.4	1508.7	1479.8	1453.9	1442.3	1429.3	1416.5	1405.6
15°	1587.1	1539.5	1495.9	1454.6	1424.2	1393.0	1368.0	1350.9	1331.4	1326.0	1304.9
17.5°	1514.1	1467.5	1416.4	1372.9	1337.6	1303.3	1275.9	1256.4	1241.8	1221.7	1212.0
20°	1468.6	1413.3	1363.4	1323.6	1284.6	1244.1	1216.0	1199.7	1185.6	1169.3	1161.5
22.5°	1420.0	1365.9	1314.7	1268.1	1228.5	1188.6	1168.6	1151.7	1135.7	1120.6	1110.3
25°	1348.6	1294.0	1240.2	1191.9	1150.6	1121.7	1098.3	1078.8	1070.3	1055.5	1044.5
27.5°	1277.9	1219.9	1164.1	1115.9	1083.5	1055.0	1035.8	1020.4	1004.9	992.0	982.5
30°	1232.4	1173.2	1112.4	1074.2	1039.9	1012.6	991.5	976.7	965.0	953.3	946.3
32.5°	1186.9	1125.8	1071.8	1030.5	998.1	974.5	952.9	938.7	926.4	913.4	905.2
35°	1113.9	1051.6	1007.9	967.4	935.4	913.6	898.8	878.5	868.4	859.0	850.4
37.5°	1046.1	988.1	940.9	905.3	877.6	855.9	836.7	825.8	813.3	804.9	797.8
40°	996.2	943.2	900.3	862.9	842.7	818.5	800.6	786.5	777.2	766.3	758.5
42.5°	951.3	902.1	860.4	826.8	801.5	781.1	763.8	749.7	737.9	730.1	723.5
45°	887.9	838.8	798.2	767.0	743.7	724.2	706.2	699.2	683.6	674.3	671.2
47.5°	822.2	778.3	739.1	710.4	686.4	668.0	651.2	636.9	628.3	619.1	614.1
50°	778.0	735.9	699.2	671.2	647.8	627.5	611.9	602.6	590.9	582.3	576.1
52.5°	733.7	694.7	658.1	631.2	611.0	590.7	573.3	563.9	552.8	547.4	543.0
55°	670.4	629.1	597.9	571.4	550.3	531.6	515.3	505.9	498.9	493.4	491.9
57.5°	598.7	565.9	536.9	513.1	491.2	473.6	459.3	450.4	444.2	443.4	438.7
60°	551.9	522.3	495.8	470.0	451.3	435.0	422.5	412.4	406.1	405.3	403.8
62.5°	505.1	476.7	452.1	429.5	412.7	396.9	385.1	373.7	370.0	366.1	362.6
65°	435.7	410.0	389.8	371.8	353.9	340.6	329.0	321.9	313.4	308.7	300.1
67.5°	367.6	347.7	328.2	313.1	299.0	286.4	276.7	266.3	260.5	256.8	250.5
70°	322.7	307.1	287.6	271.3	260.4	250.2	242.4	230.7	226.8	223.7	220.6
72.5°	280.3	266.6	250.2	237.0	226.1	216.5	207.5	202.0	198.2	195.0	193.2
75°	220.6	207.4	193.3	184.0	176.2	168.4	163.7	159.8	158.2	157.5	154.3
77.5°	162.0	155.0	143.7	136.3	131.1	128.0	123.8	121.8	121.6	118.2	117.1
80°	123.9	120.0	110.7	107.6	103.7	100.6	98.2	94.3	90.4	88.9	86.5
82.5°	92.1	88.2	84.5	79.5	76.2	74.4	72.0	70.6	71.1	68.9	67.8
85°	49.1	45.2	43.7	42.9	41.3	42.9	42.1	41.3	40.5	39.8	40.5
87.5°	17.2	17.6	17.3	18.8	17.3	18.2	18.4	18.0	18.3	18.5	18.0
90°	8.2	9.9	11.5	13.0	14.6	16.2	17.3	18.4	19.6	20.7	21.6
92.5°	10.5	10.6	12.0	13.4	14.8	16.2	17.3	18.4	19.6	20.7	21.4
95°	55.0	50.3	41.8	33.3	24.7	16.2	17.3	18.4	19.6	20.7	21.2
97.5°	125.2	117.4	100.5	83.6	66.7	49.8	43.4	37.1	30.7	24.4	21.2
100°	171.6	172.4	173.3	174.2	175.1	176.0	142.5	109.0	75.5	42.0	24.8
102.5°	221.7	222.4	222.9	223.4	224.0	224.5	218.2	211.8	205.5	199.2	188.4
105°	300.9	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.3
107.5°	379.5	379.7	380.1	380.6	381.0	381.5	381.5	381.6	381.6	381.7	381.4
110°	432.9	433.1	433.5	434.0	434.4	434.9	434.2	433.5	432.9	432.2	432.0



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.2	485.6	485.9	486.1	486.4	486.7	485.8	485.0	484.1	483.3	482.7
115°	562.8	563.4	563.7	563.9	564.1	564.3	563.4	562.5	561.6	560.7	559.6
117.5°	636.0	636.4	637.2	638.1	638.9	639.8	638.6	637.5	636.3	635.1	634.2
120°	683.8	684.0	684.7	685.4	686.0	686.7	686.3	685.8	685.4	684.9	684.1
122.5°	731.0	731.6	731.9	732.2	732.5	732.8	732.4	731.9	731.5	731.0	730.2
125°	800.2	801.0	801.0	801.0	801.0	801.0	800.1	799.2	798.3	797.4	796.6
127.5°	861.7	862.2	862.1	862.0	861.8	861.7	861.2	860.7	860.2	859.7	858.6
130°	900.6	901.2	901.5	901.7	901.9	902.1	901.5	900.8	900.1	899.4	898.5
132.5°	940.1	940.5	940.0	939.5	939.0	938.6	938.4	938.3	938.1	938.0	937.4
135°	995.5	996.0	995.5	995.1	994.6	994.2	993.7	993.3	992.8	992.4	991.5
137.5°	1045.6	1046.0	1045.6	1045.2	1044.7	1044.3	1044.4	1044.5	1044.6	1044.7	1044.2
140°	1075.9	1076.0	1075.8	1075.5	1075.3	1075.1	1075.5	1076.0	1076.4	1076.9	1076.4
142.5°	1105.1	1105.4	1105.7	1106.0	1106.3	1106.6	1106.7	1106.8	1106.9	1107.0	1106.4
145°	1149.7	1149.9	1149.9	1149.9	1149.9	1149.9	1150.2	1150.4	1150.6	1150.8	1150.3
147.5°	1186.0	1186.1	1186.3	1186.6	1186.9	1187.1	1187.4	1187.7	1188.0	1188.2	1187.6
150°	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1211.1	1211.5	1212.0	1212.4	1211.7
152.5°	1230.1	1229.9	1230.3	1230.8	1231.2	1231.6	1232.1	1232.5	1233.0	1233.4	1232.9
155°	1258.8	1258.4	1258.8	1259.3	1259.7	1260.2	1260.8	1261.5	1262.2	1262.9	1262.3
157.5°	1284.2	1283.9	1283.9	1283.9	1284.0	1284.0	1284.8	1285.5	1286.2	1286.9	1286.4
160°	1298.3	1297.7	1297.9	1298.2	1298.4	1298.6	1299.5	1300.4	1301.3	1302.2	1301.7
162.5°	1311.2	1310.6	1310.9	1311.1	1311.3	1311.5	1312.8	1314.1	1315.3	1316.6	1316.2
165°	1328.6	1328.0	1328.3	1328.5	1328.7	1328.9	1330.3	1331.6	1333.0	1334.3	1334.1
167.5°	1341.4	1340.8	1341.0	1341.2	1341.5	1341.7	1343.3	1344.9	1346.5	1348.2	1348.0
170°	1347.9	1347.3	1347.5	1347.7	1347.9	1348.2	1350.0	1351.8	1353.6	1355.4	1355.2
172.5°	1352.8	1352.2	1352.6	1353.0	1353.4	1353.8	1355.4	1357.1	1358.7	1360.3	1360.1
175°	1358.9	1358.4	1358.6	1358.8	1359.1	1359.3	1361.1	1362.9	1364.7	1366.5	1366.4
177.5°	1362.5	1362.0	1362.2	1362.4	1362.5	1362.7	1364.0	1365.2	1366.5	1367.8	1367.7
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1819.1	1812.2	1810.3	1812.8	1810.3	1812.2	1819.1	1819.7	1820.3	1825.3	1818.4
5°	1678.3	1670.5	1674.4	1672.8	1674.4	1670.5	1678.3	1686.1	1687.6	1694.7	1699.3
7.5°	1554.5	1544.8	1534.5	1537.8	1534.5	1544.8	1554.5	1554.7	1566.8	1575.9	1581.9
10°	1467.8	1460.0	1455.3	1459.2	1455.3	1460.0	1467.8	1478.0	1482.6	1493.5	1505.2
12.5°	1394.9	1390.2	1386.1	1384.4	1386.1	1390.2	1394.9	1405.6	1416.5	1429.3	1442.3
15°	1295.5	1286.2	1282.3	1272.2	1282.3	1286.2	1295.5	1304.9	1326.0	1331.4	1350.9
17.5°	1204.0	1200.9	1190.8	1186.4	1190.8	1200.9	1204.0	1212.0	1221.7	1241.8	1256.4
20°	1149.8	1146.7	1136.5	1142.8	1136.5	1146.7	1149.8	1161.5	1169.3	1185.6	1199.7
22.5°	1104.9	1098.0	1094.7	1092.9	1094.7	1098.0	1104.9	1110.3	1120.6	1135.7	1151.7
25°	1041.4	1031.3	1027.4	1022.7	1027.4	1031.3	1041.4	1044.5	1055.5	1070.3	1078.8
27.5°	978.1	972.7	967.5	966.3	967.5	972.7	978.1	982.5	992.0	1004.9	1020.4
30°	937.0	931.5	927.6	927.6	927.6	931.5	937.0	946.3	953.3	965.0	976.7
32.5°	900.2	896.0	892.1	891.5	892.1	896.0	900.2	905.2	913.4	926.4	938.7
35°	846.6	840.3	838.8	834.1	838.8	840.3	846.6	850.4	859.0	868.4	878.5
37.5°	790.9	785.7	785.6	785.1	785.6	785.7	790.9	797.8	804.9	813.3	825.8
40°	755.3	751.4	750.7	745.2	750.7	751.4	755.3	758.5	766.3	777.2	786.5
42.5°	717.3	715.3	712.6	710.3	712.6	715.3	717.3	723.5	730.1	737.9	749.7
45°	665.7	660.2	660.2	656.3	660.2	660.2	665.7	671.2	674.3	683.6	699.2
47.5°	612.4	608.2	608.6	604.6	608.6	608.2	612.4	614.1	619.1	628.3	636.9
50°	576.8	574.5	573.7	572.2	573.7	574.5	576.8	576.1	582.3	590.9	602.6
52.5°	541.3	540.2	543.2	539.7	543.2	540.2	541.3	543.0	547.4	552.8	563.9
55°	493.4	491.1	495.8	491.1	495.8	491.1	493.4	491.9	493.4	498.9	505.9
57.5°	438.4	436.2	440.4	438.1	440.4	436.2	438.4	438.7	443.4	444.2	450.4
60°	402.2	397.6	399.9	400.7	399.9	397.6	402.2	403.8	405.3	406.1	412.4
62.5°	359.2	356.4	358.1	354.5	358.1	356.4	359.2	362.6	366.1	370.0	373.7
65°	298.6	296.2	293.1	291.5	293.1	296.2	298.6	300.1	308.7	313.4	321.9
67.5°	250.8	245.2	245.1	246.3	245.1	245.2	250.8	250.5	256.8	260.5	266.3
70°	215.9	215.9	215.1	215.1	215.1	215.9	215.9	220.6	223.7	226.8	230.7
72.5°	191.6	191.0	189.6	189.0	189.6	191.0	191.6	193.2	195.0	198.2	202.0
75°	154.3	155.1	153.6	152.8	153.6	155.1	154.3	154.3	157.5	158.2	159.8
77.5°	114.0	110.7	112.4	110.7	112.4	110.7	114.0	117.1	118.2	121.6	121.8
80°	86.5	85.7	88.1	85.7	88.1	85.7	86.5	86.5	88.9	90.4	94.3
82.5°	68.4	67.7	68.8	67.0	68.8	67.7	68.4	67.8	68.9	71.1	70.6
85°	41.3	40.5	39.8	40.5	39.8	40.5	41.3	40.5	39.8	40.5	41.3
87.5°	18.8	18.3	18.4	18.6	18.4	18.3	18.8	18.0	18.5	18.3	18.0
90°	22.3	22.9	23.6	24.3	23.6	22.9	22.3	21.6	20.7	19.6	18.4
92.5°	21.7	22.0	22.3	22.7	22.3	22.0	21.7	21.4	20.7	19.6	18.4
95°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.7	19.6	18.4
97.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	24.4	30.7	37.1
100°	23.9	23.0	22.1	21.2	22.1	23.0	23.9	24.8	42.0	75.5	109.0
102.5°	173.1	157.8	142.5	127.2	142.5	157.8	173.1	188.4	199.2	205.5	211.8
105°	301.1	300.8	300.6	300.4	300.6	300.8	301.1	301.3	301.4	301.4	301.4
107.5°	380.7	380.0	379.3	378.7	379.3	380.0	380.7	381.4	381.7	381.6	381.6
110°	432.2	432.4	432.6	432.9	432.6	432.4	432.2	432.0	432.2	432.9	433.5



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.4	482.0	481.7	481.4	481.7	482.0	482.4	482.7	483.3	484.1	485.0
115°	558.3	556.9	555.6	554.2	555.6	556.9	558.3	559.6	560.7	561.6	562.5
117.5°	633.7	633.1	632.5	631.9	632.5	633.1	633.7	634.2	635.1	636.3	637.5
120°	683.0	681.9	680.8	679.6	680.8	681.9	683.0	684.1	684.9	685.4	685.8
122.5°	728.9	727.6	726.3	725.0	726.3	727.6	728.9	730.2	731.0	731.5	731.9
125°	796.0	795.3	794.6	793.9	794.6	795.3	796.0	796.6	797.4	798.3	799.2
127.5°	857.0	855.3	853.6	852.0	853.6	855.3	857.0	858.6	859.7	860.2	860.7
130°	897.4	896.3	895.2	894.1	895.2	896.3	897.4	898.5	899.4	900.1	900.8
132.5°	936.3	935.1	934.0	932.9	934.0	935.1	936.3	937.4	938.0	938.1	938.3
135°	990.1	988.8	987.4	986.1	987.4	988.8	990.1	991.5	992.4	992.8	993.3
137.5°	1043.0	1041.8	1040.7	1039.5	1040.7	1041.8	1043.0	1044.2	1044.7	1044.6	1044.5
140°	1075.1	1073.7	1072.4	1071.0	1072.4	1073.7	1075.1	1076.4	1076.9	1076.4	1076.0
142.5°	1105.0	1103.7	1102.3	1101.0	1102.3	1103.7	1105.0	1106.4	1107.0	1106.9	1106.8
145°	1148.9	1147.6	1146.2	1144.9	1146.2	1147.6	1148.9	1150.3	1150.8	1150.6	1150.4
147.5°	1185.9	1184.3	1182.7	1181.1	1182.7	1184.3	1185.9	1187.6	1188.2	1188.0	1187.7
150°	1209.9	1208.1	1206.3	1204.5	1206.3	1208.1	1209.9	1211.7	1212.4	1212.0	1211.5
152.5°	1231.2	1229.6	1228.0	1226.4	1228.0	1229.6	1231.2	1232.9	1233.4	1233.0	1232.5
155°	1260.5	1258.7	1256.9	1255.1	1256.9	1258.7	1260.5	1262.3	1262.9	1262.2	1261.5
157.5°	1284.6	1282.8	1281.0	1279.2	1281.0	1282.8	1284.6	1286.4	1286.9	1286.2	1285.5
160°	1300.0	1298.2	1296.4	1294.6	1296.4	1298.2	1300.0	1301.7	1302.2	1301.3	1300.4
162.5°	1314.2	1312.3	1310.3	1308.3	1310.3	1312.3	1314.2	1316.2	1316.6	1315.3	1314.1
165°	1332.3	1330.5	1328.7	1326.9	1328.7	1330.5	1332.3	1334.1	1334.3	1333.0	1331.6
167.5°	1345.9	1343.9	1341.9	1339.9	1341.9	1343.9	1345.9	1348.0	1348.2	1346.5	1344.9
170°	1353.2	1351.2	1349.2	1347.1	1349.2	1351.2	1353.2	1355.2	1355.4	1353.6	1351.8
172.5°	1358.1	1356.0	1354.0	1352.0	1354.0	1356.0	1358.1	1360.1	1360.3	1358.7	1357.1
175°	1364.3	1362.3	1360.3	1358.3	1360.3	1362.3	1364.3	1366.4	1366.5	1364.7	1362.9
177.5°	1366.2	1364.8	1363.4	1361.9	1363.4	1364.8	1366.2	1367.7	1367.8	1366.5	1365.2
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1820.3	1827.2	1830.9	1839.6	1852.1	1858.4	1867.1	1873.3	1882.1	1892.7	1901.4
5°	1702.5	1721.2	1733.6	1753.1	1771.1	1789.0	1811.6	1828.0	1849.8	1874.7	1894.2
7.5°	1593.0	1616.4	1637.1	1662.9	1692.5	1715.6	1745.0	1775.1	1809.2	1844.6	1878.0
10°	1523.2	1546.6	1572.3	1604.2	1633.9	1665.0	1700.1	1735.2	1778.1	1817.8	1863.0
12.5°	1453.9	1479.8	1508.7	1544.4	1580.2	1620.1	1655.8	1695.3	1741.3	1792.9	1841.2
15°	1368.0	1393.0	1424.2	1454.6	1495.9	1539.5	1587.1	1639.3	1690.8	1748.4	1808.5
17.5°	1275.9	1303.3	1337.6	1372.9	1416.4	1467.5	1514.1	1571.3	1629.2	1696.4	1767.0
20°	1216.0	1244.1	1284.6	1323.6	1363.4	1413.3	1468.6	1527.1	1588.6	1659.6	1738.3
22.5°	1168.6	1188.6	1228.5	1268.1	1314.7	1365.9	1420.0	1480.9	1548.1	1621.5	1704.0
25°	1098.3	1121.7	1150.6	1191.9	1240.2	1294.0	1348.6	1413.3	1486.5	1561.4	1649.4
27.5°	1035.8	1055.0	1083.5	1115.9	1164.1	1219.9	1277.9	1345.4	1420.6	1496.8	1589.4
30°	991.5	1012.6	1039.9	1074.2	1112.4	1173.2	1232.4	1298.7	1375.1	1453.8	1548.9
32.5°	952.9	974.5	998.1	1030.5	1071.8	1125.8	1186.9	1251.9	1329.5	1410.8	1503.4
35°	898.8	913.6	935.4	967.4	1007.9	1051.6	1113.9	1182.5	1258.1	1342.3	1435.1
37.5°	836.7	855.9	877.6	905.3	940.9	988.1	1046.1	1115.5	1185.6	1266.2	1350.9
40°	800.6	818.5	842.7	862.9	900.3	943.2	996.2	1068.7	1138.9	1214.5	1291.7
42.5°	763.8	781.1	801.5	826.8	860.4	902.1	951.3	1018.8	1094.0	1165.2	1229.9
45°	706.2	724.2	743.7	767.0	798.2	838.8	887.9	949.4	1014.9	1080.4	1129.5
47.5°	651.2	668.0	686.4	710.4	739.1	778.3	822.2	876.6	940.2	995.9	1031.0
50°	611.9	627.5	647.8	671.2	699.2	735.9	778.0	831.7	884.7	935.4	967.4
52.5°	573.3	590.7	611.0	631.2	658.1	694.7	733.7	780.0	830.5	871.8	898.2
55°	515.3	531.6	550.3	571.4	597.9	629.1	670.4	707.0	746.8	781.9	797.4
57.5°	459.3	473.6	491.2	513.1	536.9	565.9	598.7	633.9	662.0	686.8	704.4
60°	422.5	435.0	451.3	470.0	495.8	522.3	551.9	584.6	606.5	627.5	643.9
62.5°	385.1	396.9	412.7	429.5	452.1	476.7	505.1	531.6	552.8	567.0	585.9
65°	329.0	340.6	353.9	371.8	389.8	410.0	435.7	455.2	470.0	485.6	497.3
67.5°	276.7	286.4	299.0	313.1	328.2	347.7	367.6	383.8	394.0	403.3	417.4
70°	242.4	250.2	260.4	271.3	287.6	307.1	322.7	335.2	342.2	351.6	368.7
72.5°	207.5	216.5	226.1	237.0	250.2	266.6	280.3	292.8	297.3	304.8	315.7
75°	163.7	168.4	176.2	184.0	193.3	207.4	220.6	223.7	227.6	233.9	241.6
77.5°	123.8	128.0	131.1	136.3	143.7	155.0	162.0	166.7	167.6	169.9	177.6
80°	98.2	100.6	103.7	107.6	110.7	120.0	123.9	128.6	130.2	132.5	136.4
82.5°	72.0	74.4	76.2	79.5	84.5	88.2	92.1	96.8	97.1	98.8	99.6
85°	42.1	42.9	41.3	42.9	43.7	45.2	49.1	53.0	52.2	51.4	53.8
87.5°	18.4	18.2	17.3	18.8	17.3	17.6	17.2	17.5	18.4	19.3	20.2
90°	17.3	16.2	14.6	13.0	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	17.3	16.2	14.8	13.4	12.0	10.6	10.5	11.8	13.1	14.3	15.6
95°	17.3	16.2	24.7	33.3	41.8	50.3	55.0	55.6	56.3	57.0	57.6
97.5°	43.4	49.8	66.7	83.6	100.5	117.4	125.2	124.0	122.8	121.6	120.4
100°	142.5	176.0	175.1	174.2	173.3	172.4	171.6	170.9	170.2	169.6	168.9
102.5°	218.2	224.5	224.0	223.4	222.9	222.4	221.7	220.8	220.0	219.1	218.3
105°	301.4	301.4	301.4	301.4	301.4	301.4	300.9	300.0	299.1	298.2	297.3
107.5°	381.5	381.5	381.0	380.6	380.1	379.7	379.5	379.5	379.5	379.5	379.5
110°	434.2	434.9	434.4	434.0	433.5	433.1	432.9	432.9	432.9	432.9	432.9



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	485.8	486.7	486.4	486.1	485.9	485.6	485.2	484.6	484.1	483.6	483.0
115°	563.4	564.3	564.1	563.9	563.7	563.4	562.8	561.6	560.5	559.4	558.3
117.5°	638.6	639.8	638.9	638.1	637.2	636.4	636.0	636.0	636.1	636.1	636.2
120°	686.3	686.7	686.0	685.4	684.7	684.0	683.8	684.0	684.2	684.5	684.7
122.5°	732.4	732.8	732.5	732.2	731.9	731.6	731.0	730.1	729.3	728.4	727.6
125°	800.1	801.0	801.0	801.0	801.0	801.0	800.2	798.6	797.1	795.5	793.9
127.5°	861.2	861.7	861.8	862.0	862.1	862.2	861.7	860.6	859.5	858.4	857.2
130°	901.5	902.1	901.9	901.7	901.5	901.2	900.6	899.4	898.3	897.2	896.1
132.5°	938.4	938.6	939.0	939.5	940.0	940.5	940.1	938.8	937.5	936.2	934.9
135°	993.7	994.2	994.6	995.1	995.5	996.0	995.5	994.2	992.8	991.5	990.1
137.5°	1044.4	1044.3	1044.7	1045.2	1045.6	1046.0	1045.6	1044.4	1043.2	1042.1	1040.9
140°	1075.5	1075.1	1075.3	1075.5	1075.8	1076.0	1075.9	1075.4	1075.0	1074.5	1074.1
142.5°	1106.7	1106.6	1106.3	1106.0	1105.7	1105.4	1105.1	1104.8	1104.6	1104.3	1104.0
145°	1150.2	1149.9	1149.9	1149.9	1149.9	1149.9	1149.7	1149.3	1148.8	1148.4	1147.9
147.5°	1187.4	1187.1	1186.9	1186.6	1186.3	1186.1	1186.0	1186.1	1186.2	1186.3	1186.3
150°	1211.1	1210.6	1210.2	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6
152.5°	1232.1	1231.6	1231.2	1230.8	1230.3	1229.9	1230.1	1231.1	1232.1	1233.1	1234.1
155°	1260.8	1260.2	1259.7	1259.3	1258.8	1258.4	1258.8	1260.2	1261.5	1262.9	1264.2
157.5°	1284.8	1284.0	1284.0	1283.9	1283.9	1283.9	1284.2	1285.1	1285.9	1286.7	1287.5
160°	1299.5	1298.6	1298.4	1298.2	1297.9	1297.7	1298.3	1299.6	1301.0	1302.3	1303.7
162.5°	1312.8	1311.5	1311.3	1311.1	1310.9	1310.6	1311.2	1312.6	1313.9	1315.3	1316.6
165°	1330.3	1328.9	1328.7	1328.5	1328.3	1328.0	1328.6	1330.0	1331.3	1332.7	1334.0
167.5°	1343.3	1341.7	1341.5	1341.2	1341.0	1340.8	1341.4	1342.8	1344.2	1345.6	1346.9
170°	1350.0	1348.2	1347.9	1347.7	1347.5	1347.3	1347.9	1349.5	1351.1	1352.7	1354.2
172.5°	1355.4	1353.8	1353.4	1353.0	1352.6	1352.2	1352.8	1354.4	1355.9	1357.5	1359.1
175°	1361.1	1359.3	1359.1	1358.8	1358.6	1358.4	1358.9	1360.3	1361.6	1363.0	1364.3
177.5°	1364.0	1362.7	1362.5	1362.4	1362.2	1362.0	1362.5	1363.5	1364.6	1365.7	1366.8
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1908.2	1913.9	1922.0	1931.3	1938.8	1946.9	1951.3	1951.3	1955.0	1963.1	1973.7
5°	1913.7	1934.0	1953.5	1978.4	1997.9	2020.5	2037.6	2054.0	2068.8	2087.5	2107.0
7.5°	1912.1	1945.8	1980.9	2020.2	2063.5	2098.0	2133.4	2161.1	2188.6	2224.4	2252.6
10°	1905.9	1949.6	1997.1	2047.0	2101.6	2149.1	2192.0	2231.0	2268.4	2307.4	2342.4
12.5°	1894.7	1950.2	2008.3	2068.2	2137.1	2191.5	2246.9	2288.3	2332.0	2374.7	2417.9
15°	1877.8	1943.3	2013.5	2096.9	2181.1	2241.9	2296.4	2350.2	2390.8	2439.1	2480.4
17.5°	1843.1	1927.4	2015.7	2106.9	2187.8	2258.4	2315.6	2366.8	2409.9	2463.1	2519.2
20°	1822.5	1913.7	2005.7	2103.1	2180.3	2252.8	2308.1	2361.1	2414.9	2484.3	2552.9
22.5°	1793.8	1891.3	1988.8	2081.3	2162.8	2232.8	2290.1	2354.9	2425.5	2504.3	2587.2
25°	1748.4	1849.0	1945.7	2033.7	2113.3	2185.0	2262.9	2350.2	2436.0	2539.7	2658.9
27.5°	1690.9	1787.9	1874.1	1967.2	2046.2	2137.4	2234.7	2329.3	2453.0	2595.6	2744.5
30°	1647.9	1739.9	1821.7	1909.8	1999.4	2100.0	2209.1	2320.6	2467.9	2635.5	2812.5
32.5°	1598.0	1681.3	1762.5	1847.4	1950.8	2061.3	2177.3	2313.7	2489.8	2680.4	2863.6
35°	1511.5	1586.3	1665.0	1759.4	1869.3	1989.3	2137.4	2303.5	2516.3	2721.3	2885.8
37.5°	1420.7	1479.8	1558.9	1658.3	1778.1	1917.0	2085.0	2286.8	2505.4	2689.3	2759.3
40°	1350.9	1406.2	1489.6	1594.1	1712.6	1864.6	2053.2	2260.6	2480.4	2608.2	2602.8
42.5°	1281.7	1337.6	1417.9	1523.0	1646.5	1816.6	2010.8	2226.3	2411.8	2460.5	2359.0
45°	1175.5	1227.7	1306.5	1412.5	1545.0	1723.5	1927.7	2134.3	2252.8	2174.1	1972.9
47.5°	1067.3	1118.0	1191.1	1294.9	1439.6	1626.4	1819.5	1989.0	2005.7	1836.5	1595.3
50°	996.2	1043.8	1113.1	1223.8	1364.1	1546.6	1732.9	1866.2	1824.8	1618.3	1369.6
52.5°	927.0	972.7	1037.7	1142.1	1285.6	1464.2	1630.6	1735.2	1639.6	1420.0	1196.2
55°	824.7	868.4	933.9	1029.7	1159.9	1323.6	1469.4	1507.6	1367.3	1145.9	965.0
57.5°	727.6	759.6	824.3	909.1	1034.6	1178.9	1283.4	1276.5	1121.7	922.3	792.6
60°	663.4	692.2	753.8	831.7	951.0	1080.4	1153.7	1122.5	965.8	801.3	676.6
62.5°	603.5	630.5	682.1	753.8	856.2	968.8	1022.1	979.1	831.1	686.6	587.4
65°	512.9	532.4	573.7	640.0	720.3	798.2	845.8	782.6	651.7	542.5	467.7
67.5°	428.3	445.1	481.9	529.4	584.8	638.6	657.9	598.7	496.9	423.3	370.6
70°	373.4	389.0	413.9	458.4	495.0	533.2	542.5	489.5	404.6	348.4	315.7
72.5°	321.0	335.3	357.2	388.5	413.9	435.9	440.3	391.0	326.0	287.3	262.1
75°	244.8	257.2	271.3	283.0	299.3	303.2	301.7	263.5	228.4	202.7	188.6
77.5°	179.9	185.1	193.6	198.3	199.1	198.8	190.8	166.7	148.6	138.0	132.2
80°	138.8	142.7	145.0	146.5	147.3	139.5	131.0	116.1	109.9	103.7	96.7
82.5°	100.7	103.4	105.7	106.0	101.8	95.3	87.3	80.0	75.6	72.5	69.8
85°	54.6	55.3	54.6	50.7	45.2	42.9	41.3	39.8	39.0	38.2	38.2
87.5°	19.9	18.4	15.6	16.6	16.9	16.6	17.0	16.6	16.3	16.6	16.8
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.0	14.6	16.2	17.3	18.4
92.5°	14.3	13.1	11.8	10.5	10.6	12.0	13.4	14.8	16.2	17.3	18.4
95°	57.0	56.3	55.6	55.0	50.3	41.8	33.3	24.7	16.2	17.3	18.4
97.5°	121.6	122.8	124.0	125.2	117.4	100.5	83.6	66.7	49.8	43.4	37.1
100°	169.6	170.2	170.9	171.6	172.4	173.3	174.2	175.1	176.0	142.5	109.0
102.5°	219.1	220.0	220.8	221.7	222.4	222.9	223.4	224.0	224.5	218.2	211.8
105°	298.2	299.1	300.0	300.9	301.4	301.4	301.4	301.4	301.4	301.4	301.4
107.5°	379.5	379.5	379.5	379.5	379.7	380.1	380.6	381.0	381.5	381.5	381.6
110°	432.9	432.9	432.9	432.9	433.1	433.5	434.0	434.4	434.9	434.2	433.5



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	483.6	484.1	484.6	485.2	485.6	485.9	486.1	486.4	486.7	485.8	485.0
115°	559.4	560.5	561.6	562.8	563.4	563.7	563.9	564.1	564.3	563.4	562.5
117.5°	636.1	636.1	636.0	636.0	636.4	637.2	638.1	638.9	639.8	638.6	637.5
120°	684.5	684.2	684.0	683.8	684.0	684.7	685.4	686.0	686.7	686.3	685.8
122.5°	728.4	729.3	730.1	731.0	731.6	731.9	732.2	732.5	732.8	732.4	731.9
125°	795.5	797.1	798.6	800.2	801.0	801.0	801.0	801.0	801.0	800.1	799.2
127.5°	858.4	859.5	860.6	861.7	862.2	862.1	862.0	861.8	861.7	861.2	860.7
130°	897.2	898.3	899.4	900.6	901.2	901.5	901.7	901.9	902.1	901.5	900.8
132.5°	936.2	937.5	938.8	940.1	940.5	940.0	939.5	939.0	938.6	938.4	938.3
135°	991.5	992.8	994.2	995.5	996.0	995.5	995.1	994.6	994.2	993.7	993.3
137.5°	1042.1	1043.2	1044.4	1045.6	1046.0	1045.6	1045.2	1044.7	1044.3	1044.4	1044.5
140°	1074.5	1075.0	1075.4	1075.9	1076.0	1075.8	1075.5	1075.3	1075.1	1075.5	1076.0
142.5°	1104.3	1104.6	1104.8	1105.1	1105.4	1105.7	1106.0	1106.3	1106.6	1106.7	1106.8
145°	1148.4	1148.8	1149.3	1149.7	1149.9	1149.9	1149.9	1149.9	1149.9	1150.2	1150.4
147.5°	1186.3	1186.2	1186.1	1186.0	1186.1	1186.3	1186.6	1186.9	1187.1	1187.4	1187.7
150°	1210.2	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1211.1	1211.5
152.5°	1233.1	1232.1	1231.1	1230.1	1229.9	1230.3	1230.8	1231.2	1231.6	1232.1	1232.5
155°	1262.9	1261.5	1260.2	1258.8	1258.4	1258.8	1259.3	1259.7	1260.2	1260.8	1261.5
157.5°	1286.7	1285.9	1285.1	1284.2	1283.9	1283.9	1283.9	1284.0	1284.0	1284.8	1285.5
160°	1302.3	1301.0	1299.6	1298.3	1297.7	1297.9	1298.2	1298.4	1298.6	1299.5	1300.4
162.5°	1315.3	1313.9	1312.6	1311.2	1310.6	1310.9	1311.1	1311.3	1311.5	1312.8	1314.1
165°	1332.7	1331.3	1330.0	1328.6	1328.0	1328.3	1328.5	1328.7	1328.9	1330.3	1331.6
167.5°	1345.6	1344.2	1342.8	1341.4	1340.8	1341.0	1341.2	1341.5	1341.7	1343.3	1344.9
170°	1352.7	1351.1	1349.5	1347.9	1347.3	1347.5	1347.7	1347.9	1348.2	1350.0	1351.8
172.5°	1357.5	1355.9	1354.4	1352.8	1352.2	1352.6	1353.0	1353.4	1353.8	1355.4	1357.1
175°	1363.0	1361.6	1360.3	1358.9	1358.4	1358.6	1358.8	1359.1	1359.3	1361.1	1362.9
177.5°	1365.7	1364.6	1363.5	1362.5	1362.0	1362.2	1362.4	1362.5	1362.7	1364.0	1365.2
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1981.8	1981.8	1992.4	1991.8	1998.7	1996.2	1997.4
5°	2130.4	2143.7	2155.4	2163.1	2174.8	2178.0	2176.4
7.5°	2284.4	2313.9	2328.2	2347.9	2351.5	2361.8	2360.7
10°	2379.9	2408.7	2430.5	2447.7	2456.2	2467.2	2467.9
12.5°	2454.7	2479.2	2498.5	2514.4	2524.8	2528.3	2530.3
15°	2513.1	2540.4	2563.0	2585.6	2598.9	2609.0	2614.5
17.5°	2572.1	2614.2	2654.1	2684.8	2703.2	2718.8	2718.6
20°	2617.6	2665.9	2715.8	2750.9	2786.8	2802.3	2804.7
22.5°	2666.2	2740.1	2804.4	2858.8	2905.9	2922.1	2928.2
25°	2767.3	2863.9	2962.9	3039.3	3093.9	3125.8	3130.5
27.5°	2889.3	3020.1	3124.3	3194.8	3240.1	3263.8	3269.0
30°	2975.4	3096.2	3189.8	3242.8	3263.8	3266.9	3255.2
32.5°	3014.1	3104.3	3141.7	3138.6	3097.3	3069.9	3059.4
35°	2966.8	2948.1	2856.9	2747.8	2664.4	2611.4	2597.3
37.5°	2699.9	2538.6	2370.8	2205.9	2118.1	2073.5	1996.8
40°	2436.8	2206.8	2032.2	1893.4	1794.4	1714.9	1696.2
42.5°	2139.9	1902.5	1727.9	1609.1	1530.0	1475.5	1451.8
45°	1719.6	1515.4	1371.2	1280.0	1219.2	1179.4	1161.5
47.5°	1375.4	1217.3	1112.2	1044.7	998.4	963.8	954.1
50°	1186.4	1060.1	971.3	914.4	879.3	852.8	841.9
52.5°	1030.5	928.6	860.3	813.3	780.1	763.6	754.6
55°	850.4	762.4	713.3	675.8	657.1	643.9	637.6
57.5°	695.5	631.9	596.0	570.1	552.8	544.4	541.3
60°	608.8	558.9	526.2	505.9	494.2	483.3	480.2
62.5°	532.1	492.8	467.6	449.8	438.1	433.4	431.5
65°	428.7	403.0	384.3	373.4	364.0	362.5	361.7
67.5°	340.8	325.7	315.9	304.5	301.2	295.7	294.7
70°	291.5	281.4	269.7	265.8	261.9	256.5	257.2
72.5°	247.3	237.1	229.2	224.0	222.6	220.3	222.3
75°	180.8	177.7	174.6	170.7	169.2	169.2	168.4
77.5°	129.1	126.4	123.0	120.7	120.2	116.9	118.2
80°	93.5	89.6	88.1	88.9	86.5	85.7	85.7
82.5°	69.2	67.8	66.3	66.4	65.9	65.2	65.8
85°	38.2	37.4	37.4	36.6	36.6	35.9	35.9
87.5°	17.6	18.5	17.4	16.9	17.1	17.8	18.6
90°	19.6	20.7	21.6	22.3	22.9	23.6	24.3
92.5°	19.6	20.7	21.4	21.7	22.0	22.3	22.7
95°	19.6	20.7	21.2	21.2	21.2	21.2	21.2
97.5°	30.7	24.4	21.2	21.2	21.2	21.2	21.2
100°	75.5	42.0	24.8	23.9	23.0	22.1	21.2
102.5°	205.5	199.2	188.4	173.1	157.8	142.5	127.2
105°	301.4	301.4	301.3	301.1	300.8	300.6	300.4
107.5°	381.6	381.7	381.4	380.7	380.0	379.3	378.7
110°	432.9	432.2	432.0	432.2	432.4	432.6	432.9



TEST NUMBER: P333728

CATALOG NUMBER: S125RDIW-S1270D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	484.1	483.3	482.7	482.4	482.0	481.7	481.4
115°	561.6	560.7	559.6	558.3	556.9	555.6	554.2
117.5°	636.3	635.1	634.2	633.7	633.1	632.5	631.9
120°	685.4	684.9	684.1	683.0	681.9	680.8	679.6
122.5°	731.5	731.0	730.2	728.9	727.6	726.3	725.0
125°	798.3	797.4	796.6	796.0	795.3	794.6	793.9
127.5°	860.2	859.7	858.6	857.0	855.3	853.6	852.0
130°	900.1	899.4	898.5	897.4	896.3	895.2	894.1
132.5°	938.1	938.0	937.4	936.3	935.1	934.0	932.9
135°	992.8	992.4	991.5	990.1	988.8	987.4	986.1
137.5°	1044.6	1044.7	1044.2	1043.0	1041.8	1040.7	1039.5
140°	1076.4	1076.9	1076.4	1075.1	1073.7	1072.4	1071.0
142.5°	1106.9	1107.0	1106.4	1105.0	1103.7	1102.3	1101.0
145°	1150.6	1150.8	1150.3	1148.9	1147.6	1146.2	1144.9
147.5°	1188.0	1188.2	1187.6	1185.9	1184.3	1182.7	1181.1
150°	1212.0	1212.4	1211.7	1209.9	1208.1	1206.3	1204.5
152.5°	1233.0	1233.4	1232.9	1231.2	1229.6	1228.0	1226.4
155°	1262.2	1262.9	1262.3	1260.5	1258.7	1256.9	1255.1
157.5°	1286.2	1286.9	1286.4	1284.6	1282.8	1281.0	1279.2
160°	1301.3	1302.2	1301.7	1300.0	1298.2	1296.4	1294.6
162.5°	1315.3	1316.6	1316.2	1314.2	1312.3	1310.3	1308.3
165°	1333.0	1334.3	1334.1	1332.3	1330.5	1328.7	1326.9
167.5°	1346.5	1348.2	1348.0	1345.9	1343.9	1341.9	1339.9
170°	1353.6	1355.4	1355.2	1353.2	1351.2	1349.2	1347.1
172.5°	1358.7	1360.3	1360.1	1358.1	1356.0	1354.0	1352.0
175°	1364.7	1366.5	1366.4	1364.3	1362.3	1360.3	1358.3
177.5°	1366.5	1367.8	1367.7	1366.2	1364.8	1363.4	1361.9
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3

(END OF REPORT)