

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: P333598-840

Luminaire Tested: **S125RDIP-S1090D1035U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333598-840
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: S125RDIP-S1090D1035U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8481.6 lumens
Efficiency: N/A
Efficacy: 140.2 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

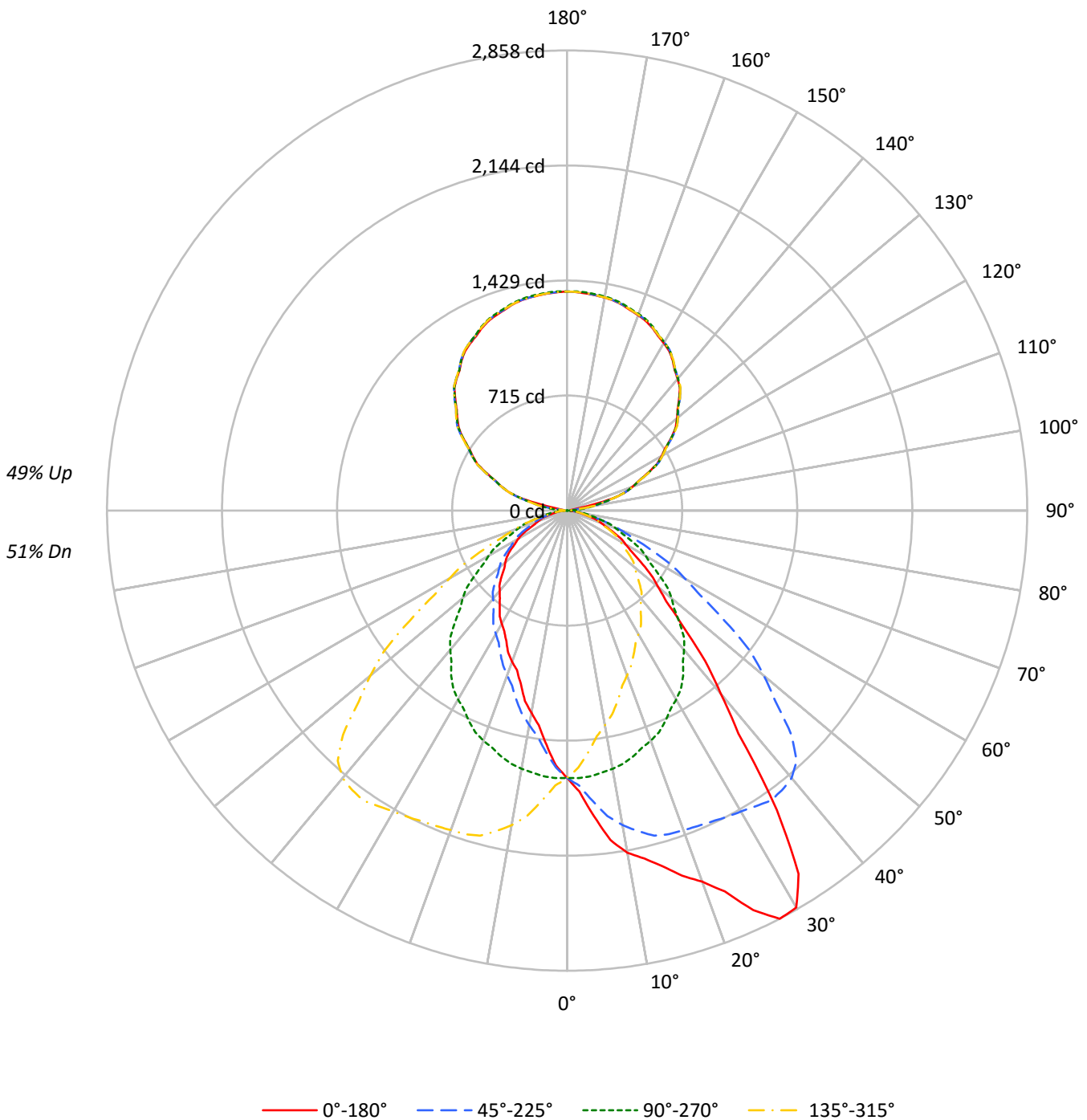
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

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	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	50	49	44
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37
3	82	73	66	60	76	68	62	57	58	53	49	49	45	43	40	38	36	32
4	75	65	57	51	69	60	54	48	52	47	42	44	40	37	36	34	31	28
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24
6	64	52	44	38	59	49	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	34	55	44	37	32	38	32	28	32	28	25	27	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	32	27	47	37	30	25	32	26	23	27	23	20	23	20	18	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.9
10°-20°	466.6	5.5
20°-30°	739.8	8.7
30°-40°	892.2	10.5
40°-50°	796.7	9.4
50°-60°	611.0	7.2
60°-70°	397.1	4.7
70°-80°	193.0	2.3
80°-90°	48.9	0.6
90°-100°	49.4	0.6
100°-110°	304.6	3.6
110°-120°	552.5	6.5
120°-130°	709.1	8.4
130°-140°	762.7	9.0
140°-150°	715.9	8.4
150°-160°	579.1	6.8
160°-170°	374.5	4.4
170°-180°	129.2	1.5
0°-30°	1365.7	16.1
0°-40°	2257.9	26.6
0°-60°	3665.6	43.2
0°-90°	4304.6	50.8
90°-120°	906.6	10.7
90°-150°	3094.2	36.5
90°-180°	4177.0	49.2
0°-180°	8481.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	37
90°	24	1	24	1	24	12
95°	21	58	21	58	21	18
105°	299	296	299	296	299	271
115°	553	557	553	557	553	549
125°	792	792	792	792	792	704
135°	983	987	983	987	983	759
145°	1142	1144	1142	1144	1142	713
155°	1251	1260	1251	1260	1251	577
165°	1323	1330	1323	1330	1323	373
175°	1354	1360	1354	1360	1354	129
180°	1360	1360	1360	1360	1360	



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	16.9	16.2	15.5	15.3	15.8	16.7	15.9	15.1	14.9	14.6	14.9
90°	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4	17.3	16.2	14.5
92.5°	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4	17.3	16.2	14.7
95°	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4	17.3	16.2	24.6
97.5°	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0	43.3	49.6	66.4
100°	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7	142.1	175.4	174.5
102.5°	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2	217.5	223.9	223.3
105°	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4	380.4	380.3	379.9
110°	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2	432.9	433.5	433.1



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5	484.3	485.2	484.9
115°	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9	561.8	562.6	562.4
117.5°	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5	636.7	637.8	637.0
120°	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8	684.2	684.7	684.0
122.5°	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7	730.1	730.6	730.3
125°	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8	797.7	798.6	798.6
127.5°	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1	858.6	859.1	859.2
130°	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1	898.8	899.4	899.2
132.5°	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4	935.5	935.7	936.2
135°	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3	990.7	991.2	991.6
137.5°	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4	1041.3	1041.2	1041.6
140°	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8	1072.3	1071.9	1072.1
142.5°	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5	1103.4	1103.3	1103.0
145°	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9	1146.7	1146.5	1146.5
147.5°	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1	1183.9	1183.6	1183.3
150°	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9	1207.4	1207.0	1206.5
152.5°	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8	1228.4	1227.9	1227.5
155°	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7	1257.1	1256.4	1255.9
157.5°	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6	1280.9	1280.2	1280.1
160°	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5	1295.6	1294.6	1294.4
162.5°	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1	1308.9	1307.6	1307.4
165°	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6	1326.3	1324.9	1324.7
167.5°	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9	1339.3	1337.7	1337.4
170°	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7	1345.8	1344.1	1343.8
172.5°	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9	1351.3	1349.7	1349.3
175°	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8	1357.0	1355.1	1354.9
177.5°	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1	1359.9	1358.6	1358.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	15.1	14.8	15.0	14.7	13.8	16.2	17.5	17.7	17.0	16.2	15.5
90°	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0	2.8	4.5	6.4
92.5°	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6	14.2	13.0	11.7
95°	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5	56.8	56.1	55.4
97.5°	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0	121.2	122.4	123.6
100°	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3	169.1	169.8	170.4
102.5°	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6	218.4	219.3	220.2
105°	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4	297.3	298.2	299.1
107.5°	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3
110°	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5	431.5	431.5	431.5



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6	482.1	482.6	483.2
115°	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6	557.7	558.9	560.0
117.5°	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2	634.2	634.1	634.1
120°	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7	682.4	682.2	682.0
122.5°	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4	726.2	727.1	727.9
125°	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5	793.0	794.7	796.3
127.5°	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6	855.8	856.9	858.0
130°	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3	894.5	895.6	896.8
132.5°	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1	933.4	934.7	935.9
135°	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1	988.5	989.9	991.2
137.5°	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7	1038.9	1040.1	1041.3
140°	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9	1071.3	1071.8	1072.2
142.5°	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7	1101.0	1101.3	1101.5
145°	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5	1144.9	1145.3	1145.8
147.5°	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8	1182.7	1182.6	1182.5
150°	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1206.5	1206.1	1205.6
152.5°	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3	1229.4	1228.4	1227.4
155°	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4	1259.1	1257.7	1256.4
157.5°	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5	1282.7	1282.0	1281.2
160°	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7	1298.4	1297.1	1295.7
162.5°	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6	1311.3	1309.9	1308.6
165°	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0	1328.6	1327.3	1326.0
167.5°	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9	1341.5	1340.1	1338.7
170°	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1	1348.6	1347.0	1345.4
172.5°	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9	1353.4	1351.8	1350.3
175°	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2	1358.9	1357.6	1356.1
177.5°	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6	1361.6	1360.5	1359.4
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	15.2	15.7	15.3	16.8	15.5	16.4	16.6	16.3	16.5	16.7	16.3
90°	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4	19.5	20.6	21.5
92.5°	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4	19.5	20.6	21.3
95°	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4	19.5	20.6	21.2
97.5°	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0	30.7	24.3	21.2
100°	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7	75.3	41.9	24.7
102.5°	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2	204.9	198.5	187.8
105°	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.3
107.5°	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4	380.5	380.5	380.2
110°	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2	431.5	430.9	430.7



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5	482.6	481.8	481.2
115°	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9	560.0	559.1	558.0
117.5°	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5	634.4	633.2	632.3
120°	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8	683.3	682.9	682.1
122.5°	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7	729.3	728.8	727.9
125°	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8	795.9	795.0	794.3
127.5°	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1	857.6	857.1	856.1
130°	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1	897.4	896.8	895.9
132.5°	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4	935.3	935.1	934.5
135°	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3	989.9	989.4	988.5
137.5°	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4	1041.5	1041.6	1041.0
140°	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8	1073.2	1073.6	1073.2
142.5°	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5	1103.6	1103.7	1103.1
145°	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9	1147.1	1147.3	1146.8
147.5°	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1	1184.4	1184.7	1184.0
150°	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9	1208.3	1208.7	1208.1
152.5°	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8	1229.3	1229.7	1229.1
155°	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7	1258.4	1259.1	1258.5
157.5°	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6	1282.3	1283.0	1282.5
160°	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5	1297.4	1298.3	1297.8
162.5°	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1	1311.3	1312.6	1312.2
165°	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6	1329.0	1330.3	1330.1
167.5°	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9	1342.5	1344.1	1343.9
170°	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7	1349.5	1351.3	1351.1
172.5°	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9	1354.5	1356.1	1355.9
175°	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8	1360.6	1362.3	1362.2
177.5°	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1	1362.4	1363.6	1363.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	17.0	16.6	16.7	16.9	16.7	16.6	17.0	16.3	16.7	16.5	16.3
90°	22.2	22.8	23.5	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4
92.5°	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4
95°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4
97.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0
100°	23.8	22.9	22.1	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7
102.5°	172.6	157.3	142.1	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2
105°	300.1	299.9	299.7	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4
107.5°	379.5	378.9	378.2	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4
110°	430.9	431.1	431.3	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	480.9	480.6	480.3	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5
115°	556.6	555.2	553.9	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9
117.5°	631.8	631.2	630.6	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5
120°	681.0	679.8	678.7	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8
122.5°	726.7	725.4	724.1	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7
125°	793.6	792.8	792.2	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8
127.5°	854.3	852.7	851.1	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1
130°	894.7	893.6	892.5	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1
132.5°	933.4	932.3	931.2	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4
135°	987.1	985.8	984.4	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3
137.5°	1039.9	1038.6	1037.5	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4
140°	1071.9	1070.5	1069.1	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8
142.5°	1101.7	1100.3	1099.0	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5
145°	1145.5	1144.1	1142.8	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9
147.5°	1182.3	1180.7	1179.1	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1
150°	1206.3	1204.5	1202.6	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9
152.5°	1227.5	1225.9	1224.3	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8
155°	1256.7	1254.9	1253.1	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7
157.5°	1280.7	1278.9	1277.1	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6
160°	1296.1	1294.2	1292.4	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5
162.5°	1310.3	1308.3	1306.4	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1
165°	1328.3	1326.5	1324.7	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6
167.5°	1341.9	1339.9	1337.9	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9
170°	1349.1	1347.2	1345.1	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7
172.5°	1353.9	1351.9	1349.9	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9
175°	1360.2	1358.2	1356.1	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8
177.5°	1362.1	1360.7	1359.3	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	16.6	16.4	15.5	16.8	15.3	15.7	15.2	15.5	16.2	17.0	17.7
90°	17.3	16.2	14.5	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0
92.5°	17.3	16.2	14.7	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6
95°	17.3	16.2	24.6	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5
97.5°	43.3	49.6	66.4	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0
100°	142.1	175.4	174.5	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3
102.5°	217.5	223.9	223.3	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6
105°	300.4	300.4	300.4	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4
107.5°	380.4	380.3	379.9	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3
110°	432.9	433.5	433.1	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	484.3	485.2	484.9	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6
115°	561.8	562.6	562.4	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6
117.5°	636.7	637.8	637.0	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2
120°	684.2	684.7	684.0	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7
122.5°	730.1	730.6	730.3	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4
125°	797.7	798.6	798.6	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5
127.5°	858.6	859.1	859.2	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6
130°	898.8	899.4	899.2	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3
132.5°	935.5	935.7	936.2	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1
135°	990.7	991.2	991.6	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1
137.5°	1041.3	1041.2	1041.6	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7
140°	1072.3	1071.9	1072.1	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9
142.5°	1103.4	1103.3	1103.0	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7
145°	1146.7	1146.5	1146.5	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5
147.5°	1183.9	1183.6	1183.3	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8
150°	1207.4	1207.0	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0
152.5°	1228.4	1227.9	1227.5	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3
155°	1257.1	1256.4	1255.9	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4
157.5°	1280.9	1280.2	1280.1	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5
160°	1295.6	1294.6	1294.4	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7
162.5°	1308.9	1307.6	1307.4	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6
165°	1326.3	1324.9	1324.7	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0
167.5°	1339.3	1337.7	1337.4	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9
170°	1345.8	1344.1	1343.8	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1
172.5°	1351.3	1349.7	1349.3	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9
175°	1357.0	1355.1	1354.9	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2
177.5°	1359.9	1358.6	1358.5	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.5	16.2	13.8	14.7	15.0	14.8	15.1	14.9	14.6	14.9	15.1
90°	2.8	4.5	6.4	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4
92.5°	14.2	13.0	11.7	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4
95°	56.8	56.1	55.4	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4
97.5°	121.2	122.4	123.6	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0
100°	169.1	169.8	170.4	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7
102.5°	218.4	219.3	220.2	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2
105°	297.3	298.2	299.1	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	378.3	378.3	378.3	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4
110°	431.5	431.5	431.5	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	482.1	482.6	483.2	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5
115°	557.7	558.9	560.0	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9
117.5°	634.2	634.1	634.1	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5
120°	682.4	682.2	682.0	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8
122.5°	726.2	727.1	727.9	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7
125°	793.0	794.7	796.3	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8
127.5°	855.8	856.9	858.0	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1
130°	894.5	895.6	896.8	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1
132.5°	933.4	934.7	935.9	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4
135°	988.5	989.9	991.2	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3
137.5°	1038.9	1040.1	1041.3	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4
140°	1071.3	1071.8	1072.2	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8
142.5°	1101.0	1101.3	1101.5	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5
145°	1144.9	1145.3	1145.8	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9
147.5°	1182.7	1182.6	1182.5	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1
150°	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9
152.5°	1229.4	1228.4	1227.4	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8
155°	1259.1	1257.7	1256.4	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7
157.5°	1282.7	1282.0	1281.2	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6
160°	1298.4	1297.1	1295.7	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5
162.5°	1311.3	1309.9	1308.6	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1
165°	1328.6	1327.3	1326.0	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6
167.5°	1341.5	1340.1	1338.7	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9
170°	1348.6	1347.0	1345.4	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7
172.5°	1353.4	1351.8	1350.3	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9
175°	1358.9	1357.6	1356.1	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8
177.5°	1361.6	1360.5	1359.4	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	15.9	16.7	15.8	15.3	15.5	16.2	16.9
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	19.5	20.6	21.3	21.6	21.9	22.3	22.6
95°	19.5	20.6	21.2	21.2	21.2	21.2	21.2
97.5°	30.7	24.3	21.2	21.2	21.2	21.2	21.2
100°	75.3	41.9	24.7	23.8	22.9	22.1	21.2
102.5°	204.9	198.5	187.8	172.6	157.3	142.1	126.8
105°	300.4	300.4	300.3	300.1	299.9	299.7	299.4
107.5°	380.5	380.5	380.2	379.5	378.9	378.2	377.5
110°	431.5	430.9	430.7	430.9	431.1	431.3	431.5



TEST NUMBER: P333598-840

CATALOG NUMBER: S125RDIP-S1090D1035U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.6	481.8	481.2	480.9	480.6	480.3	480.0
115°	560.0	559.1	558.0	556.6	555.2	553.9	552.6
117.5°	634.4	633.2	632.3	631.8	631.2	630.6	630.0
120°	683.3	682.9	682.1	681.0	679.8	678.7	677.6
122.5°	729.3	728.8	727.9	726.7	725.4	724.1	722.8
125°	795.9	795.0	794.3	793.6	792.8	792.2	791.5
127.5°	857.6	857.1	856.1	854.3	852.7	851.1	849.4
130°	897.4	896.8	895.9	894.7	893.6	892.5	891.3
132.5°	935.3	935.1	934.5	933.4	932.3	931.2	930.1
135°	989.9	989.4	988.5	987.1	985.8	984.4	983.1
137.5°	1041.5	1041.6	1041.0	1039.9	1038.6	1037.5	1036.3
140°	1073.2	1073.6	1073.2	1071.9	1070.5	1069.1	1067.8
142.5°	1103.6	1103.7	1103.1	1101.7	1100.3	1099.0	1097.6
145°	1147.1	1147.3	1146.8	1145.5	1144.1	1142.8	1141.5
147.5°	1184.4	1184.7	1184.0	1182.3	1180.7	1179.1	1177.5
150°	1208.3	1208.7	1208.1	1206.3	1204.5	1202.6	1200.9
152.5°	1229.3	1229.7	1229.1	1227.5	1225.9	1224.3	1222.6
155°	1258.4	1259.1	1258.5	1256.7	1254.9	1253.1	1251.3
157.5°	1282.3	1283.0	1282.5	1280.7	1278.9	1277.1	1275.4
160°	1297.4	1298.3	1297.8	1296.1	1294.2	1292.4	1290.6
162.5°	1311.3	1312.6	1312.2	1310.3	1308.3	1306.4	1304.3
165°	1329.0	1330.3	1330.1	1328.3	1326.5	1324.7	1322.9
167.5°	1342.5	1344.1	1343.9	1341.9	1339.9	1337.9	1335.8
170°	1349.5	1351.3	1351.1	1349.1	1347.2	1345.1	1343.1
172.5°	1354.5	1356.1	1355.9	1353.9	1351.9	1349.9	1348.0
175°	1360.6	1362.3	1362.2	1360.2	1358.2	1356.1	1354.1
177.5°	1362.4	1363.6	1363.5	1362.1	1360.7	1359.3	1357.8
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2

(END OF REPORT)