

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: P333604-840

Luminaire Tested: **S125RDIP-S1090D1205U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

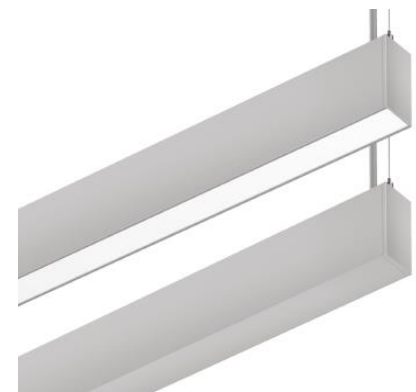
Test Information

Test Method: LM-79-08
Report Number: P333604-840
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-S1090D1205U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9167.0 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

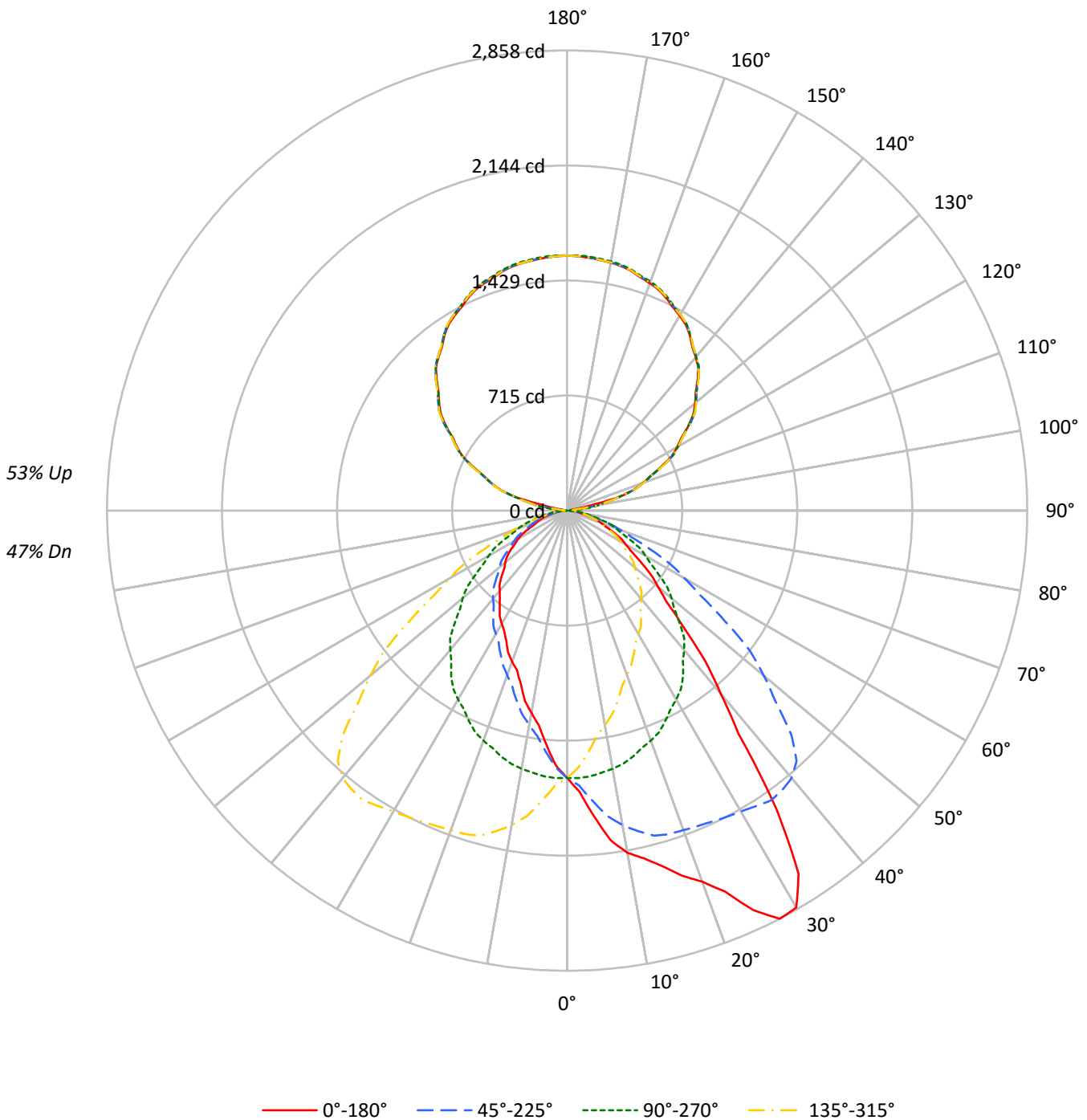
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	93	90	86	90	86	83	80	72	70	68	59	58	57	48	47	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	42	41	39	34
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	30
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29	26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	22
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	24	20	18	16
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13

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: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.7
10°-20°	466.6	5.1
20°-30°	739.8	8.1
30°-40°	892.2	9.7
40°-50°	796.7	8.7
50°-60°	611.0	6.7
60°-70°	397.1	4.3
70°-80°	193.0	2.1
80°-90°	49.4	0.5
90°-100°	57.5	0.6
100°-110°	354.6	3.9
110°-120°	643.1	7.0
120°-130°	825.3	9.0
130°-140°	887.7	9.7
140°-150°	833.2	9.1
150°-160°	674.0	7.4
160°-170°	435.9	4.8
170°-180°	150.4	1.6
0°-30°	1365.7	14.9
0°-40°	2257.9	24.6
0°-60°	3665.6	40.0
0°-90°	4305.1	47.0
90°-120°	1055.2	11.5
90°-150°	3601.6	39.3
90°-180°	4862.0	53.0
0°-180°	9167.0	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°	28	1	28	1	28	14
95°	25	67	25	67	25	20
105°	349	345	349	345	349	315
115°	643	648	643	648	643	638
125°	921	921	921	921	921	820
135°	1144	1149	1144	1149	1144	883
145°	1329	1332	1329	1332	1329	830
155°	1456	1467	1456	1467	1456	671
165°	1540	1548	1540	1548	1540	435
175°	1576	1583	1576	1583	1576	150
180°	1583	1583	1583	1583	1583	



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	17.7	17.0	16.3	16.1	16.5	17.4	16.6	15.8	15.5	15.2	15.3
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4	20.1	18.8	17.2
95°	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4	20.1	18.8	28.7
97.5°	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0	50.4	57.8	77.4
100°	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5	165.3	204.2	203.2
102.5°	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8	253.2	260.5	259.9
105°	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8	442.7	442.7	442.2
110°	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1	503.9	504.6	504.1



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8	563.8	564.7	564.4
115°	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8	653.9	654.9	654.6
117.5°	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7	741.1	742.5	741.4
120°	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9	796.4	796.9	796.1
122.5°	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4	849.9	850.4	850.1
125°	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5	928.5	929.5	929.5
127.5°	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8	999.4	1000.0	1000.1
130°	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3	1046.1	1046.9	1046.6
132.5°	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8	1089.0	1089.1	1089.7
135°	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7	1153.2	1153.7	1154.2
137.5°	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1	1212.0	1211.9	1212.3
140°	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6	1248.1	1247.6	1247.9
142.5°	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4	1284.3	1284.2	1283.8
145°	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9	1334.7	1334.4	1334.4
147.5°	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3	1378.0	1377.7	1377.4
150°	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9	1405.3	1404.8	1404.3
152.5°	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3	1429.8	1429.3	1428.8
155°	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9	1463.2	1462.4	1461.9
157.5°	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8	1490.9	1490.1	1490.1
160°	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0	1508.0	1506.9	1506.7
162.5°	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9	1523.5	1522.0	1521.8
165°	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3	1543.8	1542.2	1541.9
167.5°	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7	1558.8	1557.0	1556.7
170°	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6	1566.6	1564.5	1564.2
172.5°	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8	1573.0	1571.0	1570.5
175°	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5	1579.4	1577.4	1577.1
177.5°	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3	1582.9	1581.3	1581.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	15.6	15.2	15.3	14.9	14.0	16.4	17.6	17.7	17.0	16.4	15.7
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1	16.7	15.1	13.7
95°	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9	66.1	65.3	64.5
97.5°	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7	141.1	142.5	143.9
100°	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0	196.8	197.5	198.3
102.5°	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3	254.3	255.3	256.2
105°	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1	346.1	347.1	348.2
107.5°	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
110°	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6	561.2	561.8	562.4
115°	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8	649.1	650.5	651.8
117.5°	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2	738.2	738.1	738.1
120°	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6	794.3	794.1	793.8
122.5°	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3	845.4	846.3	847.3
125°	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3	923.1	924.9	926.8
127.5°	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8	996.1	997.3	998.7
130°	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9	1041.2	1042.5	1043.8
132.5°	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9	1086.4	1087.9	1089.4
135°	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0	1150.5	1152.2	1153.7
137.5°	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9	1209.3	1210.6	1211.9
140°	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4	1247.0	1247.5	1248.0
142.5°	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1	1281.4	1281.8	1282.1
145°	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1	1332.6	1333.1	1333.6
147.5°	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6	1376.5	1376.4	1376.3
150°	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1404.3	1403.8	1403.3
152.5°	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1	1431.0	1429.8	1428.7
155°	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0	1465.5	1463.9	1462.4
157.5°	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1	1493.1	1492.2	1491.3
160°	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9	1511.3	1509.7	1508.1
162.5°	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8	1526.3	1524.7	1523.2
165°	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0	1546.5	1544.9	1543.4
167.5°	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1	1561.5	1559.8	1558.2
170°	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6	1569.7	1567.8	1566.0
172.5°	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1	1575.3	1573.5	1571.7
175°	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3	1581.7	1580.1	1578.5
177.5°	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1	1584.8	1583.6	1582.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	15.6	16.0	15.8	17.2	16.0	16.9	17.1	16.9	17.1	17.4	17.0
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4	22.7	24.0	24.8
95°	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4	22.7	24.0	24.6
97.5°	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0	35.6	28.3	24.6
100°	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5	87.7	48.8	28.8
102.5°	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8	238.5	231.2	218.6
105°	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.6
107.5°	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8	442.8	442.9	442.5
110°	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1	502.3	501.5	501.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8	561.8	560.8	560.1
115°	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8	651.8	650.8	649.4
117.5°	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7	738.4	737.0	736.0
120°	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9	795.4	794.9	794.0
122.5°	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4	848.9	848.4	847.3
125°	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5	926.3	925.3	924.4
127.5°	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8	998.3	997.6	996.4
130°	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3	1044.5	1043.8	1042.7
132.5°	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8	1088.6	1088.5	1087.8
135°	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7	1152.2	1151.7	1150.5
137.5°	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1	1212.2	1212.3	1211.7
140°	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6	1249.1	1249.7	1249.1
142.5°	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4	1284.5	1284.6	1283.9
145°	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9	1335.2	1335.4	1334.8
147.5°	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3	1378.6	1378.9	1378.1
150°	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9	1406.4	1406.9	1406.1
152.5°	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3	1430.9	1431.4	1430.7
155°	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9	1464.7	1465.5	1464.8
157.5°	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8	1492.6	1493.4	1492.8
160°	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0	1510.1	1511.2	1510.7
162.5°	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9	1526.4	1527.8	1527.4
165°	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3	1546.9	1548.4	1548.1
167.5°	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7	1562.6	1564.5	1564.3
170°	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6	1570.7	1572.9	1572.7
172.5°	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8	1576.7	1578.5	1578.3
175°	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5	1583.7	1585.7	1585.6
177.5°	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3	1585.8	1587.2	1587.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	17.7	17.3	17.5	17.7	17.5	17.3	17.7	17.0	17.4	17.1	16.9
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	25.1	25.5	26.0	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4
95°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4
97.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0
100°	27.8	26.8	25.7	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5
102.5°	200.9	183.1	165.4	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8
105°	349.3	349.1	348.8	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7
107.5°	441.7	441.0	440.2	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8
110°	501.5	501.8	502.1	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	559.8	559.4	559.1	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8
115°	647.8	646.3	644.7	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8
117.5°	735.3	734.7	734.0	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7
120°	792.6	791.3	790.0	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9
122.5°	845.8	844.2	842.8	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4
125°	923.6	922.9	922.1	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5
127.5°	994.5	992.5	990.6	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8
130°	1041.4	1040.2	1038.8	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3
132.5°	1086.5	1085.2	1083.9	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8
135°	1149.0	1147.4	1145.9	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7
137.5°	1210.3	1209.0	1207.6	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1
140°	1247.6	1246.1	1244.5	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6
142.5°	1282.3	1280.8	1279.2	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4
145°	1333.2	1331.7	1330.1	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9
147.5°	1376.2	1374.3	1372.5	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3
150°	1404.1	1402.0	1399.9	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9
152.5°	1428.8	1426.9	1425.0	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3
155°	1462.8	1460.7	1458.5	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9
157.5°	1490.7	1488.6	1486.5	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8
160°	1508.5	1506.4	1504.4	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0
162.5°	1525.1	1522.8	1520.6	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9
165°	1546.1	1544.0	1541.9	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3
167.5°	1561.9	1559.5	1557.2	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7
170°	1570.3	1568.0	1565.7	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6
172.5°	1576.0	1573.7	1571.2	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8
175°	1583.3	1580.9	1578.5	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5
177.5°	1585.5	1583.8	1582.1	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	17.1	16.9	16.0	17.2	15.8	16.0	15.6	15.7	16.4	17.0	17.7
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	20.1	18.8	17.2	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1
95°	20.1	18.8	28.7	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9
97.5°	50.4	57.8	77.4	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7
100°	165.3	204.2	203.2	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0
102.5°	253.2	260.5	259.9	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3
105°	349.7	349.7	349.7	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1
107.5°	442.7	442.7	442.2	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4
110°	503.9	504.6	504.1	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	563.8	564.7	564.4	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6
115°	653.9	654.9	654.6	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8
117.5°	741.1	742.5	741.4	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2
120°	796.4	796.9	796.1	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6
122.5°	849.9	850.4	850.1	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3
125°	928.5	929.5	929.5	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3
127.5°	999.4	1000.0	1000.1	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8
130°	1046.1	1046.9	1046.6	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9
132.5°	1089.0	1089.1	1089.7	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9
135°	1153.2	1153.7	1154.2	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0
137.5°	1212.0	1211.9	1212.3	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9
140°	1248.1	1247.6	1247.9	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4
142.5°	1284.3	1284.2	1283.8	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1
145°	1334.7	1334.4	1334.4	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1
147.5°	1378.0	1377.7	1377.4	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6
150°	1405.3	1404.8	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8
152.5°	1429.8	1429.3	1428.8	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1
155°	1463.2	1462.4	1461.9	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0
157.5°	1490.9	1490.1	1490.1	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1
160°	1508.0	1506.9	1506.7	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9
162.5°	1523.5	1522.0	1521.8	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8
165°	1543.8	1542.2	1541.9	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0
167.5°	1558.8	1557.0	1556.7	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1
170°	1566.6	1564.5	1564.2	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6
172.5°	1573.0	1571.0	1570.5	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1
175°	1579.4	1577.4	1577.1	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3
177.5°	1582.9	1581.3	1581.1	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	17.6	16.4	14.0	14.9	15.3	15.2	15.6	15.3	15.2	15.5	15.8
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	16.7	15.1	13.7	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4
95°	66.1	65.3	64.5	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4
97.5°	141.1	142.5	143.9	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0
100°	196.8	197.5	198.3	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5
102.5°	254.3	255.3	256.2	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8
105°	346.1	347.1	348.2	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	440.4	440.4	440.4	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8
110°	502.3	502.3	502.3	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	561.2	561.8	562.4	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8
115°	649.1	650.5	651.8	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8
117.5°	738.2	738.1	738.1	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7
120°	794.3	794.1	793.8	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9
122.5°	845.4	846.3	847.3	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4
125°	923.1	924.9	926.8	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5
127.5°	996.1	997.3	998.7	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8
130°	1041.2	1042.5	1043.8	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3
132.5°	1086.4	1087.9	1089.4	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8
135°	1150.5	1152.2	1153.7	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7
137.5°	1209.3	1210.6	1211.9	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1
140°	1247.0	1247.5	1248.0	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6
142.5°	1281.4	1281.8	1282.1	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4
145°	1332.6	1333.1	1333.6	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9
147.5°	1376.5	1376.4	1376.3	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3
150°	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9
152.5°	1431.0	1429.8	1428.7	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3
155°	1465.5	1463.9	1462.4	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9
157.5°	1493.1	1492.2	1491.3	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8
160°	1511.3	1509.7	1508.1	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0
162.5°	1526.3	1524.7	1523.2	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9
165°	1546.5	1544.9	1543.4	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3
167.5°	1561.5	1559.8	1558.2	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7
170°	1569.7	1567.8	1566.0	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6
172.5°	1575.3	1573.5	1571.7	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8
175°	1581.7	1580.1	1578.5	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5
177.5°	1584.8	1583.6	1582.4	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-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°	16.6	17.4	16.5	16.1	16.3	17.0	17.7
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	22.7	24.0	24.8	25.1	25.5	26.0	26.3
95°	22.7	24.0	24.6	24.6	24.6	24.6	24.6
97.5°	35.6	28.3	24.6	24.6	24.6	24.6	24.6
100°	87.7	48.8	28.8	27.8	26.8	25.7	24.6
102.5°	238.5	231.2	218.6	200.9	183.1	165.4	147.6
105°	349.7	349.7	349.6	349.3	349.1	348.8	348.6
107.5°	442.8	442.9	442.5	441.7	441.0	440.2	439.4
110°	502.3	501.5	501.3	501.5	501.8	502.1	502.3



TEST NUMBER: P333604-840

CATALOG NUMBER: S125RDIP-S1090D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	561.8	560.8	560.1	559.8	559.4	559.1	558.7
115°	651.8	650.8	649.4	647.8	646.3	644.7	643.2
117.5°	738.4	737.0	736.0	735.3	734.7	734.0	733.3
120°	795.4	794.9	794.0	792.6	791.3	790.0	788.7
122.5°	848.9	848.4	847.3	845.8	844.2	842.8	841.3
125°	926.3	925.3	924.4	923.6	922.9	922.1	921.3
127.5°	998.3	997.6	996.4	994.5	992.5	990.6	988.7
130°	1044.5	1043.8	1042.7	1041.4	1040.2	1038.8	1037.5
132.5°	1088.6	1088.5	1087.8	1086.5	1085.2	1083.9	1082.6
135°	1152.2	1151.7	1150.5	1149.0	1147.4	1145.9	1144.3
137.5°	1212.2	1212.3	1211.7	1210.3	1209.0	1207.6	1206.3
140°	1249.1	1249.7	1249.1	1247.6	1246.1	1244.5	1242.9
142.5°	1284.5	1284.6	1283.9	1282.3	1280.8	1279.2	1277.7
145°	1335.2	1335.4	1334.8	1333.2	1331.7	1330.1	1328.6
147.5°	1378.6	1378.9	1378.1	1376.2	1374.3	1372.5	1370.6
150°	1406.4	1406.9	1406.1	1404.1	1402.0	1399.9	1397.9
152.5°	1430.9	1431.4	1430.7	1428.8	1426.9	1425.0	1423.2
155°	1464.7	1465.5	1464.8	1462.8	1460.7	1458.5	1456.5
157.5°	1492.6	1493.4	1492.8	1490.7	1488.6	1486.5	1484.4
160°	1510.1	1511.2	1510.7	1508.5	1506.4	1504.4	1502.3
162.5°	1526.4	1527.8	1527.4	1525.1	1522.8	1520.6	1518.2
165°	1546.9	1548.4	1548.1	1546.1	1544.0	1541.9	1539.8
167.5°	1562.6	1564.5	1564.3	1561.9	1559.5	1557.2	1554.9
170°	1570.7	1572.9	1572.7	1570.3	1568.0	1565.7	1563.3
172.5°	1576.7	1578.5	1578.3	1576.0	1573.7	1571.2	1568.9
175°	1583.7	1585.7	1585.6	1583.3	1580.9	1578.5	1576.2
177.5°	1585.8	1587.2	1587.1	1585.5	1583.8	1582.1	1580.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3

(END OF REPORT)