

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: P333736-927

Luminaire Tested: **S125RDIW-S1270D1560U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333736-927  
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-S1270D1560U927-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

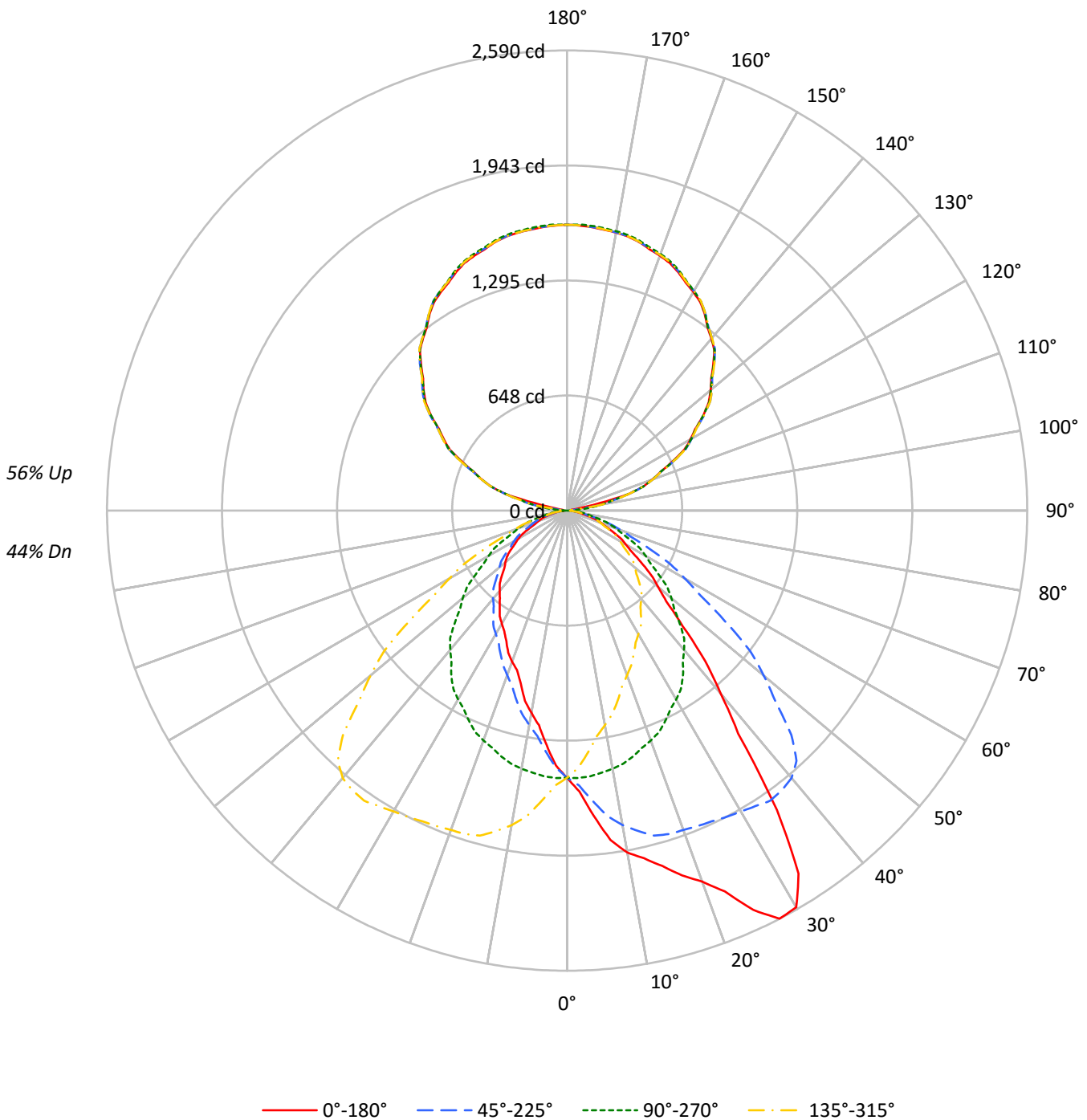
Lumens per Lamp: N/A  
Luminaire Lumens: 8840.7 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 82.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	66	58	56	55	45	44	44	38
2	88	81	75	71	81	75	70	65	62	59	56	51	48	46	40	39	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	32	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	36	33	30	29	27	24	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	21	19	17
8	54	42	34	29	49	39	32	27	33	28	24	27	23	21	22	19	17	15
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12

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

	0°	90°	180°	270°
0°	9715	9715	9715	9715
5°	11177	9728	8591	9728
10°	12821	9678	7581	9678
15°	13848	9579	6738	9579
20°	15270	9465	6222	9465
25°	17672	9311	5773	9311
30°	19231	9150	5480	9150
35°	16222	8964	5210	8964
40°	11328	8627	4977	8627
45°	8404	8173	4748	8173
50°	6701	7700	4554	7700
55°	5687	7113	4380	7113
60°	4914	6589	4100	6589
65°	4378	6021	3529	6021
70°	3846	5516	3218	5516
75°	3329	4776	3019	4776
80°	2525	4020	2525	4020
85°	2104	3157	2379	3157



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	1.6
10°-20°	422.7	4.8
20°-30°	670.3	7.6
30°-40°	808.3	9.1
40°-50°	721.8	8.2
50°-60°	553.6	6.3
60°-70°	359.7	4.1
70°-80°	174.9	2.0
80°-90°	45.1	0.5
90°-100°	58.5	0.7
100°-110°	360.3	4.1
110°-120°	653.4	7.4
120°-130°	838.6	9.5
130°-140°	902.0	10.2
140°-150°	846.7	9.6
150°-160°	684.9	7.7
160°-170°	442.9	5.0
170°-180°	152.8	1.7
0°-30°	1237.3	14.0
0°-40°	2045.6	23.1
0°-60°	3320.9	37.6
0°-90°	3900.7	44.1
90°-120°	1072.2	12.1
90°-150°	3659.5	41.4
90°-180°	4940.0	55.9
0°-180°	8840.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1504	1504	1504	1504	1504	
5°	1724	1501	1325	1501	1724	172
15°	2071	1433	1008	1433	2071	593
25°	2480	1307	810	1307	2480	1139
35°	2058	1137	661	1137	2058	1243
45°	920	895	520	895	920	734
55°	505	632	389	632	505	458
65°	286	394	231	394	286	285
75°	133	191	121	191	133	142
85°	28	43	32	43	28	33
90°	29	1	29	1	29	14
95°	25	68	25	68	25	21
105°	354	351	354	351	354	320
115°	654	658	654	658	654	649
125°	936	936	936	936	936	833
135°	1163	1167	1163	1167	1163	897
145°	1350	1354	1350	1354	1350	843
155°	1480	1491	1480	1491	1480	682
165°	1565	1573	1565	1573	1565	442
175°	1602	1609	1602	1609	1602	152
180°	1609	1609	1609	1609	1609	



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1582.3	1581.4	1583.3	1577.9	1578.3	1569.9	1569.9	1563.5	1555.1	1548.7	1545.8
5°	1724.1	1725.4	1722.8	1713.6	1707.5	1698.2	1687.7	1669.1	1653.7	1638.9	1627.1
7.5°	1870.1	1871.0	1862.8	1860.0	1844.4	1833.0	1809.7	1784.5	1762.1	1733.8	1712.0
10°	1955.0	1954.5	1945.8	1939.0	1925.4	1908.1	1885.3	1855.6	1827.9	1797.0	1767.4
12.5°	2004.5	2002.9	2000.1	1991.9	1979.3	1964.0	1944.6	1915.4	1881.2	1847.4	1812.8
15°	2071.2	2066.8	2058.8	2048.3	2030.4	2012.5	1990.8	1964.9	1932.2	1893.9	1861.8
17.5°	2153.6	2153.8	2141.4	2126.9	2102.5	2070.9	2037.6	1995.7	1951.2	1909.1	1874.9
20°	2221.8	2219.9	2207.7	2179.2	2151.4	2111.9	2073.6	2022.4	1968.0	1913.0	1870.4
22.5°	2319.7	2314.8	2302.0	2264.7	2221.6	2170.7	2112.1	2049.5	1983.9	1921.4	1865.5
25°	2479.9	2476.2	2450.9	2407.7	2347.2	2268.7	2192.2	2106.3	2011.9	1929.8	1861.8
27.5°	2589.6	2585.5	2566.7	2530.9	2475.0	2392.5	2288.9	2174.1	2056.2	1943.2	1845.2
30°	2578.7	2588.0	2585.5	2568.9	2526.9	2452.8	2357.1	2228.0	2087.8	1955.0	1838.3
32.5°	2423.6	2431.9	2453.6	2486.3	2488.8	2459.2	2387.7	2268.5	2123.4	1972.4	1832.9
35°	2057.5	2068.7	2110.7	2176.8	2263.2	2335.4	2350.2	2286.1	2155.8	1993.4	1824.8
37.5°	1581.8	1642.6	1677.9	1747.5	1878.1	2011.0	2138.8	2185.9	2130.4	1984.7	1811.6
40°	1343.7	1358.5	1421.5	1499.9	1609.9	1748.2	1930.4	2061.9	2066.2	1964.9	1790.8
42.5°	1150.1	1168.9	1212.0	1274.7	1368.8	1507.1	1695.2	1868.8	1949.2	1910.6	1763.6
45°	920.1	934.3	965.8	1014.0	1086.2	1200.5	1362.2	1562.9	1722.3	1784.6	1690.8
47.5°	755.8	763.5	790.9	827.6	881.1	964.3	1089.6	1263.8	1454.8	1588.9	1575.7
50°	666.9	675.6	696.6	724.4	769.4	839.8	939.8	1085.0	1282.0	1445.6	1478.4
52.5°	597.8	604.9	618.0	644.3	681.5	735.6	816.3	947.6	1124.9	1298.9	1374.6
55°	505.1	510.1	520.5	535.4	565.1	604.0	673.7	764.5	907.8	1083.2	1194.3
57.5°	428.8	431.3	437.9	451.6	472.1	500.6	551.0	627.9	730.6	888.6	1011.2
60°	380.4	382.9	391.5	400.8	416.8	442.8	482.3	536.0	634.8	765.1	889.2
62.5°	341.8	343.3	347.1	356.3	370.4	390.4	421.5	465.3	543.9	658.4	775.6
65°	286.5	287.2	288.4	295.8	304.4	319.2	339.6	370.5	429.8	516.3	620.0
67.5°	233.5	234.2	238.6	241.2	250.3	258.0	270.0	293.6	335.3	393.6	474.3
70°	203.7	203.2	207.5	210.6	213.7	222.9	230.9	250.1	276.0	320.5	387.8
72.5°	176.1	174.5	176.3	177.4	181.6	187.8	195.9	207.6	227.6	258.3	309.7
75°	133.4	134.0	134.0	135.2	138.3	140.8	143.2	149.4	160.6	180.9	208.7
77.5°	93.6	92.6	95.2	95.6	97.4	100.1	102.3	104.7	109.3	117.7	132.1
80°	67.9	67.9	68.5	70.4	69.8	71.0	74.1	76.6	82.1	87.1	92.0
82.5°	52.1	51.7	52.2	52.6	52.5	53.7	54.8	55.3	57.4	59.9	63.4
85°	28.4	28.4	29.0	29.0	29.6	29.6	30.3	30.3	30.3	30.9	31.5
87.5°	16.6	15.9	15.3	15.1	15.4	16.2	15.4	14.7	14.4	14.2	14.3
90°	28.6	27.8	27.0	26.2	25.4	24.4	23.1	21.7	20.4	19.1	17.2
92.5°	26.7	26.4	26.0	25.6	25.2	24.4	23.1	21.7	20.4	19.1	17.4
95°	25.0	25.0	25.0	25.0	25.0	24.4	23.1	21.7	20.4	19.1	29.2
97.5°	25.0	25.0	25.0	25.0	25.0	28.8	36.3	43.7	51.2	58.7	78.6
100°	25.0	26.1	27.2	28.2	29.3	49.6	89.0	128.5	168.0	207.5	206.4
102.5°	150.0	168.0	186.1	204.1	222.1	234.9	242.3	249.8	257.3	264.7	264.1
105°	354.2	354.4	354.7	355.0	355.2	355.4	355.4	355.4	355.4	355.4	355.4
107.5°	446.5	447.3	448.1	448.9	449.6	450.0	450.0	450.0	449.9	449.8	449.3
110°	510.4	510.2	509.8	509.6	509.4	509.6	510.4	511.2	512.0	512.8	512.2



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	567.6	568.0	568.4	568.8	569.1	569.8	570.8	571.8	572.8	573.9	573.5
115°	653.5	655.1	656.6	658.3	659.9	661.2	662.3	663.3	664.3	665.4	665.2
117.5°	745.0	745.8	746.5	747.2	747.8	748.8	750.3	751.6	753.0	754.4	753.4
120°	801.4	802.7	804.0	805.3	806.7	807.6	808.1	808.7	809.2	809.7	808.9
122.5°	854.8	856.3	857.9	859.4	860.9	862.0	862.5	863.0	863.6	864.1	863.7
125°	936.1	936.9	937.7	938.5	939.3	940.2	941.3	942.4	943.4	944.4	944.4
127.5°	1004.6	1006.5	1008.5	1010.4	1012.4	1013.7	1014.3	1014.9	1015.4	1016.1	1016.2
130°	1054.2	1055.5	1056.9	1058.2	1059.5	1060.6	1061.4	1062.2	1063.0	1063.7	1063.4
132.5°	1099.9	1101.3	1102.6	1104.0	1105.3	1106.0	1106.2	1106.4	1106.5	1106.7	1107.2
135°	1162.7	1164.3	1165.9	1167.4	1169.0	1170.1	1170.7	1171.2	1171.7	1172.3	1172.7
137.5°	1225.7	1227.0	1228.4	1229.8	1231.2	1231.8	1231.7	1231.6	1231.5	1231.4	1231.8
140°	1262.9	1264.5	1266.1	1267.7	1269.2	1269.8	1269.2	1268.7	1268.2	1267.7	1267.9
142.5°	1298.1	1299.7	1301.3	1302.9	1304.6	1305.3	1305.2	1305.0	1305.0	1304.9	1304.5
145°	1350.0	1351.5	1353.1	1354.7	1356.3	1356.9	1356.7	1356.5	1356.1	1355.9	1355.9
147.5°	1392.7	1394.6	1396.5	1398.4	1400.3	1401.1	1400.7	1400.4	1400.1	1399.8	1399.5
150°	1420.3	1422.4	1424.5	1426.6	1428.8	1429.6	1429.0	1428.5	1428.0	1427.4	1426.9
152.5°	1446.0	1448.0	1449.9	1451.8	1453.7	1454.4	1453.8	1453.3	1452.8	1452.2	1451.8
155°	1479.9	1482.0	1484.2	1486.3	1488.4	1489.1	1488.3	1487.5	1486.7	1485.9	1485.3
157.5°	1508.3	1510.4	1512.5	1514.7	1516.8	1517.4	1516.6	1515.7	1514.9	1514.0	1513.9
160°	1526.5	1528.5	1530.7	1532.8	1534.9	1535.4	1534.4	1533.3	1532.2	1531.2	1530.9
162.5°	1542.6	1545.0	1547.3	1549.7	1552.0	1552.4	1550.9	1549.4	1547.9	1546.4	1546.2
165°	1564.6	1566.7	1568.8	1571.0	1573.0	1573.4	1571.8	1570.1	1568.5	1566.9	1566.7
167.5°	1579.8	1582.2	1584.6	1587.0	1589.4	1589.6	1587.7	1585.8	1583.9	1582.0	1581.8
170°	1588.4	1590.8	1593.2	1595.6	1598.0	1598.1	1596.0	1593.9	1591.7	1589.6	1589.4
172.5°	1594.2	1596.6	1598.9	1601.3	1603.7	1603.9	1602.0	1600.1	1598.2	1596.3	1595.9
175°	1601.6	1603.9	1606.3	1608.7	1611.1	1611.2	1609.1	1606.9	1604.9	1602.7	1602.5
177.5°	1605.8	1607.5	1609.2	1610.9	1612.6	1612.7	1611.2	1609.8	1608.3	1606.8	1606.5
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1545.8	1542.3	1535.9	1529.9	1522.6	1516.2	1511.6	1506.3	1499.4	1491.0	1484.0
5°	1614.2	1600.6	1582.7	1567.3	1547.5	1532.1	1516.0	1500.6	1485.1	1465.4	1448.1
7.5°	1690.0	1662.0	1634.7	1600.4	1569.2	1541.4	1514.7	1487.7	1461.3	1433.2	1406.2
10°	1736.5	1702.5	1664.9	1621.6	1582.1	1544.4	1509.8	1475.8	1440.0	1408.6	1374.6
12.5°	1780.0	1736.1	1693.0	1638.4	1590.9	1544.9	1500.9	1458.6	1420.3	1379.4	1343.0
15°	1819.2	1776.0	1727.8	1661.1	1595.1	1539.4	1487.6	1432.7	1385.1	1339.4	1298.6
17.5°	1834.4	1789.1	1733.1	1669.0	1596.8	1526.9	1460.1	1399.8	1343.9	1290.6	1244.8
20°	1828.4	1784.6	1727.2	1666.0	1588.9	1516.0	1443.8	1377.1	1314.7	1258.5	1209.7
22.5°	1814.2	1768.8	1713.3	1648.8	1575.5	1498.3	1421.0	1349.9	1284.5	1226.4	1173.1
25°	1792.6	1730.9	1674.1	1611.1	1541.3	1464.7	1385.1	1306.6	1236.9	1177.6	1119.6
27.5°	1770.3	1693.2	1621.0	1558.4	1484.6	1416.3	1339.5	1259.1	1185.7	1125.4	1065.8
30°	1750.0	1663.6	1583.9	1512.9	1443.1	1378.3	1305.4	1227.0	1151.7	1089.3	1028.8
32.5°	1724.8	1632.9	1545.4	1463.5	1396.2	1331.9	1265.9	1191.0	1117.6	1053.2	991.7
35°	1693.2	1575.9	1480.8	1393.8	1319.0	1256.6	1197.4	1136.9	1063.3	996.6	936.8
37.5°	1651.7	1518.6	1408.6	1313.7	1234.9	1172.3	1125.5	1070.2	1003.1	939.2	883.7
40°	1626.5	1477.1	1356.7	1262.8	1180.0	1114.0	1070.2	1023.3	962.1	902.2	846.6
42.5°	1592.9	1439.1	1304.3	1206.5	1123.2	1059.6	1015.3	974.3	923.1	866.6	807.1
45°	1527.1	1365.3	1223.9	1119.0	1035.0	972.6	931.2	894.8	855.9	804.0	752.1
47.5°	1441.4	1288.4	1140.4	1025.8	943.6	885.7	845.5	816.7	788.9	744.8	694.4
50°	1372.8	1225.2	1080.6	969.5	881.8	826.9	789.2	766.4	741.0	700.8	658.9
52.5°	1291.7	1159.9	1018.4	904.8	822.0	770.6	734.4	711.5	690.6	657.9	617.9
55°	1164.0	1048.5	918.9	815.7	739.8	687.9	653.3	631.7	619.4	591.6	560.1
57.5°	1016.7	933.9	819.6	720.2	653.0	601.7	576.4	558.0	544.1	524.4	502.2
60°	913.9	855.9	753.4	658.9	597.1	548.3	525.5	510.1	497.1	480.5	463.1
62.5°	809.7	767.5	678.3	597.1	540.3	499.5	478.1	464.1	449.2	437.9	421.1
65°	670.0	632.3	570.6	507.0	454.5	421.8	406.3	394.0	384.7	372.3	360.6
67.5°	521.2	505.9	463.3	419.4	381.8	352.6	339.3	330.7	319.5	312.1	304.0
70°	429.8	422.4	392.1	363.1	327.9	308.2	295.8	292.1	278.5	271.1	265.5
72.5°	348.8	345.3	327.9	307.8	283.0	265.6	254.3	250.1	241.5	235.5	232.0
75°	239.0	240.2	237.1	224.2	214.9	203.7	193.9	191.4	185.3	180.3	177.2
77.5°	151.1	157.5	157.7	157.1	153.4	146.6	142.5	140.7	134.6	132.8	132.1
80°	103.8	110.5	116.7	116.1	114.9	113.0	110.0	108.1	105.0	103.1	101.9
82.5°	69.2	75.5	80.6	84.0	83.7	81.9	79.8	78.9	78.3	76.9	76.7
85°	32.7	34.0	35.8	40.2	43.3	43.8	43.3	42.6	40.7	41.4	42.0
87.5°	14.4	14.1	14.2	13.8	12.8	14.9	16.0	16.1	15.4	14.9	14.3
90°	15.4	13.5	11.6	9.7	7.5	5.5	3.3	1.2	3.3	5.5	7.5
92.5°	15.8	14.2	12.5	12.4	13.9	15.4	16.9	18.4	16.9	15.4	13.9
95°	39.2	49.3	59.3	64.8	65.6	66.4	67.2	68.0	67.2	66.4	65.6
97.5°	98.5	118.4	138.4	147.7	146.2	144.7	143.3	141.9	143.3	144.7	146.2
100°	205.4	204.3	203.3	202.3	201.5	200.7	199.9	199.2	199.9	200.7	201.5
102.5°	263.5	262.8	262.2	261.3	260.4	259.4	258.3	257.4	258.3	259.4	260.4
105°	355.4	355.4	355.4	354.8	353.8	352.8	351.6	350.6	351.6	352.8	353.8
107.5°	448.8	448.2	447.7	447.4	447.4	447.4	447.4	447.4	447.4	447.4	447.4
110°	511.7	511.2	510.6	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4





TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	573.2	572.9	572.6	572.1	571.5	570.8	570.2	569.6	570.2	570.8	571.5
115°	664.9	664.6	664.3	663.5	662.3	660.9	659.6	658.3	659.6	660.9	662.3
117.5°	752.3	751.4	750.4	749.9	750.0	750.0	750.0	750.1	750.0	750.0	750.0
120°	808.1	807.3	806.5	806.3	806.5	806.8	807.1	807.3	807.1	806.8	806.5
122.5°	863.3	863.0	862.6	861.9	860.9	859.9	858.9	857.9	858.9	859.9	860.9
125°	944.4	944.4	944.4	943.6	941.7	939.8	937.9	936.1	937.9	939.8	941.7
127.5°	1016.4	1016.5	1016.7	1016.1	1014.8	1013.4	1012.1	1010.7	1012.1	1013.4	1014.8
130°	1063.2	1063.0	1062.6	1061.8	1060.6	1059.2	1057.9	1056.5	1057.9	1059.2	1060.6
132.5°	1107.8	1108.4	1109.0	1108.5	1107.0	1105.4	1103.9	1102.3	1103.9	1105.4	1107.0
135°	1173.3	1173.9	1174.3	1173.9	1172.3	1170.7	1169.0	1167.4	1169.0	1170.7	1172.3
137.5°	1232.3	1232.8	1233.3	1232.9	1231.4	1230.1	1228.7	1227.3	1228.7	1230.1	1231.4
140°	1268.2	1268.4	1268.7	1268.6	1268.0	1267.5	1267.0	1266.5	1267.0	1267.5	1268.0
142.5°	1304.1	1303.8	1303.4	1303.0	1302.7	1302.3	1302.0	1301.7	1302.0	1302.3	1302.7
145°	1355.9	1355.9	1355.9	1355.7	1355.1	1354.6	1354.0	1353.5	1354.0	1354.6	1355.1
147.5°	1399.2	1398.8	1398.5	1398.4	1398.5	1398.6	1398.7	1398.8	1398.7	1398.6	1398.5
150°	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1426.9	1426.4	1425.8
152.5°	1451.2	1450.6	1450.1	1450.4	1451.6	1452.8	1454.0	1455.1	1454.0	1452.8	1451.6
155°	1484.8	1484.3	1483.8	1484.3	1485.9	1487.5	1489.1	1490.6	1489.1	1487.5	1485.9
157.5°	1513.9	1513.9	1513.8	1514.3	1515.2	1516.2	1517.1	1518.1	1517.1	1516.2	1515.2
160°	1530.7	1530.4	1530.1	1530.8	1532.4	1534.0	1535.6	1537.2	1535.6	1534.0	1532.4
162.5°	1545.9	1545.6	1545.4	1546.0	1547.6	1549.3	1550.9	1552.4	1550.9	1549.3	1547.6
165°	1566.5	1566.1	1565.9	1566.5	1568.1	1569.7	1571.4	1573.0	1571.4	1569.7	1568.1
167.5°	1581.4	1581.2	1581.0	1581.6	1583.3	1584.9	1586.6	1588.2	1586.6	1584.9	1583.3
170°	1589.1	1588.8	1588.6	1589.4	1591.2	1593.1	1594.9	1596.8	1594.9	1593.1	1591.2
172.5°	1595.4	1594.9	1594.4	1595.1	1597.0	1598.8	1600.7	1602.5	1600.7	1598.8	1597.0
175°	1602.2	1602.0	1601.7	1602.3	1603.9	1605.5	1607.1	1608.7	1607.1	1605.5	1603.9
177.5°	1606.4	1606.1	1605.9	1606.5	1607.7	1609.0	1610.3	1611.5	1610.3	1609.0	1607.7
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1479.1	1472.2	1467.2	1457.3	1450.4	1447.5	1442.0	1440.5	1446.0	1442.0	1441.5
5°	1435.1	1417.2	1403.0	1388.8	1373.3	1363.5	1348.7	1346.2	1342.5	1336.9	1335.7
7.5°	1382.4	1359.1	1340.8	1317.3	1296.9	1280.5	1261.9	1253.2	1248.4	1241.2	1231.6
10°	1346.8	1319.0	1294.3	1270.8	1245.5	1225.2	1206.7	1192.4	1183.1	1174.5	1170.8
12.5°	1311.7	1283.4	1251.8	1223.4	1195.2	1172.3	1151.8	1142.6	1132.3	1122.1	1113.5
15°	1257.3	1219.6	1185.0	1152.3	1128.2	1103.5	1083.7	1070.2	1054.7	1050.4	1033.7
17.5°	1199.4	1162.5	1122.0	1087.6	1059.6	1032.5	1010.7	995.3	983.7	967.8	960.1
20°	1163.4	1119.6	1080.1	1048.5	1017.6	985.6	963.3	950.4	939.2	926.3	920.1
22.5°	1124.9	1082.0	1041.5	1004.6	973.2	941.6	925.7	912.4	899.7	887.7	879.6
25°	1068.3	1025.1	982.5	944.2	911.5	888.6	870.1	854.6	847.9	836.1	827.4
27.5°	1012.3	966.4	922.2	884.0	858.3	835.8	820.5	808.3	796.1	785.8	778.3
30°	976.3	929.4	881.2	851.0	823.8	802.2	785.4	773.7	764.5	755.2	749.6
32.5°	940.2	891.8	849.1	816.3	790.7	772.0	754.9	743.6	733.9	723.6	717.1
35°	882.4	833.1	798.4	766.4	741.0	723.7	712.0	695.9	687.9	680.5	673.7
37.5°	828.7	782.8	745.4	717.2	695.2	678.0	662.8	654.2	644.3	637.6	632.0
40°	789.2	747.2	713.2	683.6	667.6	648.4	634.2	623.1	615.7	607.0	600.9
42.5°	753.6	714.6	681.6	655.0	634.9	618.8	605.1	593.9	584.6	578.4	573.1
45°	703.4	664.5	632.3	607.6	589.1	573.7	559.4	553.9	541.5	534.2	531.7
47.5°	651.3	616.6	585.5	562.8	543.8	529.2	515.9	504.5	497.7	490.4	486.5
50°	616.3	583.0	553.9	531.7	513.2	497.1	484.7	477.4	468.1	461.3	456.4
52.5°	581.2	550.3	521.3	500.0	484.0	467.9	454.2	446.7	437.9	433.6	430.2
55°	531.1	498.4	473.6	452.7	435.9	421.1	408.2	400.8	395.2	390.9	389.7
57.5°	474.3	448.3	425.3	406.5	389.1	375.2	363.8	356.8	351.9	351.3	347.5
60°	437.2	413.8	392.8	372.3	357.5	344.6	334.7	326.7	321.7	321.1	319.9
62.5°	400.1	377.6	358.1	340.2	326.9	314.4	305.1	296.0	293.1	290.0	287.2
65°	345.2	324.8	308.8	294.5	280.4	269.8	260.6	255.0	248.3	244.5	237.7
67.5°	291.2	275.4	260.0	248.0	236.9	226.9	219.2	211.0	206.4	203.4	198.4
70°	255.6	243.3	227.8	214.9	206.3	198.2	192.0	182.8	179.7	177.2	174.8
72.5°	222.0	211.2	198.2	187.7	179.1	171.5	164.4	160.0	157.0	154.5	153.0
75°	174.8	164.3	153.1	145.8	139.6	133.4	129.7	126.6	125.3	124.8	122.2
77.5°	128.3	122.8	113.8	108.0	103.9	101.4	98.1	96.5	96.3	93.6	92.8
80°	98.2	95.1	87.7	85.2	82.1	79.7	77.8	74.7	71.6	70.4	68.5
82.5°	73.0	69.9	66.9	63.0	60.4	58.9	57.0	55.9	56.3	54.6	53.7
85°	38.9	35.8	34.6	34.0	32.7	34.0	33.4	32.7	32.1	31.5	32.1
87.5°	14.3	14.7	14.6	15.9	14.8	15.7	15.9	15.7	16.0	16.2	15.9
90°	9.7	11.6	13.5	15.4	17.2	19.1	20.4	21.7	23.1	24.4	25.4
92.5°	12.4	12.5	14.2	15.8	17.4	19.1	20.4	21.7	23.1	24.4	25.2
95°	64.8	59.3	49.3	39.2	29.2	19.1	20.4	21.7	23.1	24.4	25.0
97.5°	147.7	138.4	118.4	98.5	78.6	58.7	51.2	43.7	36.3	28.8	25.0
100°	202.3	203.3	204.3	205.4	206.4	207.5	168.0	128.5	89.0	49.6	29.3
102.5°	261.3	262.2	262.8	263.5	264.1	264.7	257.3	249.8	242.3	234.9	222.1
105°	354.8	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.2
107.5°	447.4	447.7	448.2	448.8	449.3	449.8	449.9	450.0	450.0	450.0	449.6
110°	510.4	510.6	511.2	511.7	512.2	512.8	512.0	511.2	510.4	509.6	509.4



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	572.1	572.6	572.9	573.2	573.5	573.9	572.8	571.8	570.8	569.8	569.1
115°	663.5	664.3	664.6	664.9	665.2	665.4	664.3	663.3	662.3	661.2	659.9
117.5°	749.9	750.4	751.4	752.3	753.4	754.4	753.0	751.6	750.3	748.8	747.8
120°	806.3	806.5	807.3	808.1	808.9	809.7	809.2	808.7	808.1	807.6	806.7
122.5°	861.9	862.6	863.0	863.3	863.7	864.1	863.6	863.0	862.5	862.0	860.9
125°	943.6	944.4	944.4	944.4	944.4	944.4	943.4	942.4	941.3	940.2	939.3
127.5°	1016.1	1016.7	1016.5	1016.4	1016.2	1016.1	1015.4	1014.9	1014.3	1013.7	1012.4
130°	1061.8	1062.6	1063.0	1063.2	1063.4	1063.7	1063.0	1062.2	1061.4	1060.6	1059.5
132.5°	1108.5	1109.0	1108.4	1107.8	1107.2	1106.7	1106.5	1106.4	1106.2	1106.0	1105.3
135°	1173.9	1174.3	1173.9	1173.3	1172.7	1172.3	1171.7	1171.2	1170.7	1170.1	1169.0
137.5°	1232.9	1233.3	1232.8	1232.3	1231.8	1231.4	1231.5	1231.6	1231.7	1231.8	1231.2
140°	1268.6	1268.7	1268.4	1268.2	1267.9	1267.7	1268.2	1268.7	1269.2	1269.8	1269.2
142.5°	1303.0	1303.4	1303.8	1304.1	1304.5	1304.9	1305.0	1305.0	1305.2	1305.3	1304.6
145°	1355.7	1355.9	1355.9	1355.9	1355.9	1355.9	1356.1	1356.5	1356.7	1356.9	1356.3
147.5°	1398.4	1398.5	1398.8	1399.2	1399.5	1399.8	1400.1	1400.4	1400.7	1401.1	1400.3
150°	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1428.0	1428.5	1429.0	1429.6	1428.8
152.5°	1450.4	1450.1	1450.6	1451.2	1451.8	1452.2	1452.8	1453.3	1453.8	1454.4	1453.7
155°	1484.3	1483.8	1484.3	1484.8	1485.3	1485.9	1486.7	1487.5	1488.3	1489.1	1488.4
157.5°	1514.3	1513.8	1513.9	1513.9	1513.9	1514.0	1514.9	1515.7	1516.6	1517.4	1516.8
160°	1530.8	1530.1	1530.4	1530.7	1530.9	1531.2	1532.2	1533.3	1534.4	1535.4	1534.9
162.5°	1546.0	1545.4	1545.6	1545.9	1546.2	1546.4	1547.9	1549.4	1550.9	1552.4	1552.0
165°	1566.5	1565.9	1566.1	1566.5	1566.7	1566.9	1568.5	1570.1	1571.8	1573.4	1573.0
167.5°	1581.6	1581.0	1581.2	1581.4	1581.8	1582.0	1583.9	1585.8	1587.7	1589.6	1589.4
170°	1589.4	1588.6	1588.8	1589.1	1589.4	1589.6	1591.7	1593.9	1596.0	1598.1	1598.0
172.5°	1595.1	1594.4	1594.9	1595.4	1595.9	1596.3	1598.2	1600.1	1602.0	1603.9	1603.7
175°	1602.3	1601.7	1602.0	1602.2	1602.5	1602.7	1604.9	1606.9	1609.1	1611.2	1611.1
177.5°	1606.5	1605.9	1606.1	1606.4	1606.5	1606.8	1608.3	1609.8	1611.2	1612.7	1612.6
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1441.1	1435.6	1434.1	1436.1	1434.1	1435.6	1441.1	1441.5	1442.0	1446.0	1440.5
5°	1329.5	1323.3	1326.4	1325.2	1326.4	1323.3	1329.5	1335.7	1336.9	1342.5	1346.2
7.5°	1231.4	1223.8	1215.6	1218.2	1215.6	1223.8	1231.4	1231.6	1241.2	1248.4	1253.2
10°	1162.8	1156.6	1152.9	1156.0	1152.9	1156.6	1162.8	1170.8	1174.5	1183.1	1192.4
12.5°	1105.0	1101.3	1098.0	1096.7	1098.0	1101.3	1105.0	1113.5	1122.1	1132.3	1142.6
15°	1026.3	1018.9	1015.8	1007.8	1015.8	1018.9	1026.3	1033.7	1050.4	1054.7	1070.2
17.5°	953.8	951.3	943.3	939.8	943.3	951.3	953.8	960.1	967.8	983.7	995.3
20°	910.9	908.4	900.3	905.3	900.3	908.4	910.9	920.1	926.3	939.2	950.4
22.5°	875.3	869.8	867.2	865.8	867.2	869.8	875.3	879.6	887.7	899.7	912.4
25°	825.0	817.0	813.9	810.2	813.9	817.0	825.0	827.4	836.1	847.9	854.6
27.5°	774.8	770.6	766.4	765.5	766.4	770.6	774.8	778.3	785.8	796.1	808.3
30°	742.3	737.9	734.8	734.8	734.8	737.9	742.3	749.6	755.2	764.5	773.7
32.5°	713.1	709.8	706.7	706.2	706.7	709.8	713.1	717.1	723.6	733.9	743.6
35°	670.7	665.7	664.5	660.8	664.5	665.7	670.7	673.7	680.5	687.9	695.9
37.5°	626.5	622.4	622.3	621.9	622.3	622.4	626.5	632.0	637.6	644.3	654.2
40°	598.3	595.2	594.7	590.3	594.7	595.2	598.3	600.9	607.0	615.7	623.1
42.5°	568.2	566.6	564.5	562.7	564.5	566.6	568.2	573.1	578.4	584.6	593.9
45°	527.4	523.0	523.0	519.9	523.0	523.0	527.4	531.7	534.2	541.5	553.9
47.5°	485.1	481.8	482.1	479.0	482.1	481.8	485.1	486.5	490.4	497.7	504.5
50°	456.9	455.1	454.5	453.3	454.5	455.1	456.9	456.4	461.3	468.1	477.4
52.5°	428.8	427.9	430.3	427.5	430.3	427.9	428.8	430.2	433.6	437.9	446.7
55°	390.9	389.0	392.8	389.0	392.8	389.0	390.9	389.7	390.9	395.2	400.8
57.5°	347.3	345.5	348.9	347.1	348.9	345.5	347.3	347.5	351.3	351.9	356.8
60°	318.6	315.0	316.8	317.4	316.8	315.0	318.6	319.9	321.1	321.7	326.7
62.5°	284.6	282.3	283.7	280.8	283.7	282.3	284.6	287.2	290.0	293.1	296.0
65°	236.5	234.6	232.2	230.9	232.2	234.6	236.5	237.7	244.5	248.3	255.0
67.5°	198.7	194.2	194.2	195.1	194.2	194.2	198.7	198.4	203.4	206.4	211.0
70°	171.0	171.0	170.4	170.4	170.4	171.0	171.0	174.8	177.2	179.7	182.8
72.5°	151.8	151.3	150.2	149.7	150.2	151.3	151.8	153.0	154.5	157.0	160.0
75°	122.2	122.9	121.7	121.0	121.7	122.9	122.2	122.2	124.8	125.3	126.6
77.5°	90.3	87.7	89.0	87.7	89.0	87.7	90.3	92.8	93.6	96.3	96.5
80°	68.5	67.9	69.8	67.9	69.8	67.9	68.5	68.5	70.4	71.6	74.7
82.5°	54.2	53.6	54.5	53.1	54.5	53.6	54.2	53.7	54.6	56.3	55.9
85°	32.7	32.1	31.5	32.1	31.5	32.1	32.7	32.1	31.5	32.1	32.7
87.5°	16.6	16.2	16.4	16.6	16.4	16.2	16.6	15.9	16.2	16.0	15.7
90°	26.2	27.0	27.8	28.6	27.8	27.0	26.2	25.4	24.4	23.1	21.7
92.5°	25.6	26.0	26.4	26.7	26.4	26.0	25.6	25.2	24.4	23.1	21.7
95°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.4	23.1	21.7
97.5°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	28.8	36.3	43.7
100°	28.2	27.2	26.1	25.0	26.1	27.2	28.2	29.3	49.6	89.0	128.5
102.5°	204.1	186.1	168.0	150.0	168.0	186.1	204.1	222.1	234.9	242.3	249.8
105°	355.0	354.7	354.4	354.2	354.4	354.7	355.0	355.2	355.4	355.4	355.4
107.5°	448.9	448.1	447.3	446.5	447.3	448.1	448.9	449.6	450.0	450.0	450.0
110°	509.6	509.8	510.2	510.4	510.2	509.8	509.6	509.4	509.6	510.4	511.2



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	568.8	568.4	568.0	567.6	568.0	568.4	568.8	569.1	569.8	570.8	571.8
115°	658.3	656.6	655.1	653.5	655.1	656.6	658.3	659.9	661.2	662.3	663.3
117.5°	747.2	746.5	745.8	745.0	745.8	746.5	747.2	747.8	748.8	750.3	751.6
120°	805.3	804.0	802.7	801.4	802.7	804.0	805.3	806.7	807.6	808.1	808.7
122.5°	859.4	857.9	856.3	854.8	856.3	857.9	859.4	860.9	862.0	862.5	863.0
125°	938.5	937.7	936.9	936.1	936.9	937.7	938.5	939.3	940.2	941.3	942.4
127.5°	1010.4	1008.5	1006.5	1004.6	1006.5	1008.5	1010.4	1012.4	1013.7	1014.3	1014.9
130°	1058.2	1056.9	1055.5	1054.2	1055.5	1056.9	1058.2	1059.5	1060.6	1061.4	1062.2
132.5°	1104.0	1102.6	1101.3	1099.9	1101.3	1102.6	1104.0	1105.3	1106.0	1106.2	1106.4
135°	1167.4	1165.9	1164.3	1162.7	1164.3	1165.9	1167.4	1169.0	1170.1	1170.7	1171.2
137.5°	1229.8	1228.4	1227.0	1225.7	1227.0	1228.4	1229.8	1231.2	1231.8	1231.7	1231.6
140°	1267.7	1266.1	1264.5	1262.9	1264.5	1266.1	1267.7	1269.2	1269.8	1269.2	1268.7
142.5°	1302.9	1301.3	1299.7	1298.1	1299.7	1301.3	1302.9	1304.6	1305.3	1305.2	1305.0
145°	1354.7	1353.1	1351.5	1350.0	1351.5	1353.1	1354.7	1356.3	1356.9	1356.7	1356.5
147.5°	1398.4	1396.5	1394.6	1392.7	1394.6	1396.5	1398.4	1400.3	1401.1	1400.7	1400.4
150°	1426.6	1424.5	1422.4	1420.3	1422.4	1424.5	1426.6	1428.8	1429.6	1429.0	1428.5
152.5°	1451.8	1449.9	1448.0	1446.0	1448.0	1449.9	1451.8	1453.7	1454.4	1453.8	1453.3
155°	1486.3	1484.2	1482.0	1479.9	1482.0	1484.2	1486.3	1488.4	1489.1	1488.3	1487.5
157.5°	1514.7	1512.5	1510.4	1508.3	1510.4	1512.5	1514.7	1516.8	1517.4	1516.6	1515.7
160°	1532.8	1530.7	1528.5	1526.5	1528.5	1530.7	1532.8	1534.9	1535.4	1534.4	1533.3
162.5°	1549.7	1547.3	1545.0	1542.6	1545.0	1547.3	1549.7	1552.0	1552.4	1550.9	1549.4
165°	1571.0	1568.8	1566.7	1564.6	1566.7	1568.8	1571.0	1573.0	1573.4	1571.8	1570.1
167.5°	1587.0	1584.6	1582.2	1579.8	1582.2	1584.6	1587.0	1589.4	1589.6	1587.7	1585.8
170°	1595.6	1593.2	1590.8	1588.4	1590.8	1593.2	1595.6	1598.0	1598.1	1596.0	1593.9
172.5°	1601.3	1598.9	1596.6	1594.2	1596.6	1598.9	1601.3	1603.7	1603.9	1602.0	1600.1
175°	1608.7	1606.3	1603.9	1601.6	1603.9	1606.3	1608.7	1611.1	1611.2	1609.1	1606.9
177.5°	1610.9	1609.2	1607.5	1605.8	1607.5	1609.2	1610.9	1612.6	1612.7	1611.2	1609.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1442.0	1447.5	1450.4	1457.3	1467.2	1472.2	1479.1	1484.0	1491.0	1499.4	1506.3
5°	1348.7	1363.5	1373.3	1388.8	1403.0	1417.2	1435.1	1448.1	1465.4	1485.1	1500.6
7.5°	1261.9	1280.5	1296.9	1317.3	1340.8	1359.1	1382.4	1406.2	1433.2	1461.3	1487.7
10°	1206.7	1225.2	1245.5	1270.8	1294.3	1319.0	1346.8	1374.6	1408.6	1440.0	1475.8
12.5°	1151.8	1172.3	1195.2	1223.4	1251.8	1283.4	1311.7	1343.0	1379.4	1420.3	1458.6
15°	1083.7	1103.5	1128.2	1152.3	1185.0	1219.6	1257.3	1298.6	1339.4	1385.1	1432.7
17.5°	1010.7	1032.5	1059.6	1087.6	1122.0	1162.5	1199.4	1244.8	1290.6	1343.9	1399.8
20°	963.3	985.6	1017.6	1048.5	1080.1	1119.6	1163.4	1209.7	1258.5	1314.7	1377.1
22.5°	925.7	941.6	973.2	1004.6	1041.5	1082.0	1124.9	1173.1	1226.4	1284.5	1349.9
25°	870.1	888.6	911.5	944.2	982.5	1025.1	1068.3	1119.6	1177.6	1236.9	1306.6
27.5°	820.5	835.8	858.3	884.0	922.2	966.4	1012.3	1065.8	1125.4	1185.7	1259.1
30°	785.4	802.2	823.8	851.0	881.2	929.4	976.3	1028.8	1089.3	1151.7	1227.0
32.5°	754.9	772.0	790.7	816.3	849.1	891.8	940.2	991.7	1053.2	1117.6	1191.0
35°	712.0	723.7	741.0	766.4	798.4	833.1	882.4	936.8	996.6	1063.3	1136.9
37.5°	662.8	678.0	695.2	717.2	745.4	782.8	828.7	883.7	939.2	1003.1	1070.2
40°	634.2	648.4	667.6	683.6	713.2	747.2	789.2	846.6	902.2	962.1	1023.3
42.5°	605.1	618.8	634.9	655.0	681.6	714.6	753.6	807.1	866.6	923.1	974.3
45°	559.4	573.7	589.1	607.6	632.3	664.5	703.4	752.1	804.0	855.9	894.8
47.5°	515.9	529.2	543.8	562.8	585.5	616.6	651.3	694.4	744.8	788.9	816.7
50°	484.7	497.1	513.2	531.7	553.9	583.0	616.3	658.9	700.8	741.0	766.4
52.5°	454.2	467.9	484.0	500.0	521.3	550.3	581.2	617.9	657.9	690.6	711.5
55°	408.2	421.1	435.9	452.7	473.6	498.4	531.1	560.1	591.6	619.4	631.7
57.5°	363.8	375.2	389.1	406.5	425.3	448.3	474.3	502.2	524.4	544.1	558.0
60°	334.7	344.6	357.5	372.3	392.8	413.8	437.2	463.1	480.5	497.1	510.1
62.5°	305.1	314.4	326.9	340.2	358.1	377.6	400.1	421.1	437.9	449.2	464.1
65°	260.6	269.8	280.4	294.5	308.8	324.8	345.2	360.6	372.3	384.7	394.0
67.5°	219.2	226.9	236.9	248.0	260.0	275.4	291.2	304.0	312.1	319.5	330.7
70°	192.0	198.2	206.3	214.9	227.8	243.3	255.6	265.5	271.1	278.5	292.1
72.5°	164.4	171.5	179.1	187.7	198.2	211.2	222.0	232.0	235.5	241.5	250.1
75°	129.7	133.4	139.6	145.8	153.1	164.3	174.8	177.2	180.3	185.3	191.4
77.5°	98.1	101.4	103.9	108.0	113.8	122.8	128.3	132.1	132.8	134.6	140.7
80°	77.8	79.7	82.1	85.2	87.7	95.1	98.2	101.9	103.1	105.0	108.1
82.5°	57.0	58.9	60.4	63.0	66.9	69.9	73.0	76.7	76.9	78.3	78.9
85°	33.4	34.0	32.7	34.0	34.6	35.8	38.9	42.0	41.4	40.7	42.6
87.5°	15.9	15.7	14.8	15.9	14.6	14.7	14.3	14.3	14.9	15.4	16.1
90°	20.4	19.1	17.2	15.4	13.5	11.6	9.7	7.5	5.5	3.3	1.2
92.5°	20.4	19.1	17.4	15.8	14.2	12.5	12.4	13.9	15.4	16.9	18.4
95°	20.4	19.1	29.2	39.2	49.3	59.3	64.8	65.6	66.4	67.2	68.0
97.5°	51.2	58.7	78.6	98.5	118.4	138.4	147.7	146.2	144.7	143.3	141.9
100°	168.0	207.5	206.4	205.4	204.3	203.3	202.3	201.5	200.7	199.9	199.2
102.5°	257.3	264.7	264.1	263.5	262.8	262.2	261.3	260.4	259.4	258.3	257.4
105°	355.4	355.4	355.4	355.4	355.4	355.4	354.8	353.8	352.8	351.6	350.6
107.5°	449.9	449.8	449.3	448.8	448.2	447.7	447.4	447.4	447.4	447.4	447.4
110°	512.0	512.8	512.2	511.7	511.2	510.6	510.4	510.4	510.4	510.4	510.4



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	572.8	573.9	573.5	573.2	572.9	572.6	572.1	571.5	570.8	570.2	569.6
115°	664.3	665.4	665.2	664.9	664.6	664.3	663.5	662.3	660.9	659.6	658.3
117.5°	753.0	754.4	753.4	752.3	751.4	750.4	749.9	750.0	750.0	750.0	750.1
120°	809.2	809.7	808.9	808.1	807.3	806.5	806.3	806.5	806.8	807.1	807.3
122.5°	863.6	864.1	863.7	863.3	863.0	862.6	861.9	860.9	859.9	858.9	857.9
125°	943.4	944.4	944.4	944.4	944.4	944.4	943.6	941.7	939.8	937.9	936.1
127.5°	1015.4	1016.1	1016.2	1016.4	1016.5	1016.7	1016.1	1014.8	1013.4	1012.1	1010.7
130°	1063.0	1063.7	1063.4	1063.2	1063.0	1062.6	1061.8	1060.6	1059.2	1057.9	1056.5
132.5°	1106.5	1106.7	1107.2	1107.8	1108.4	1109.0	1108.5	1107.0	1105.4	1103.9	1102.3
135°	1171.7	1172.3	1172.7	1173.3	1173.9	1174.3	1173.9	1172.3	1170.7	1169.0	1167.4
137.5°	1231.5	1231.4	1231.8	1232.3	1232.8	1233.3	1232.9	1231.4	1230.1	1228.7	1227.3
140°	1268.2	1267.7	1267.9	1268.2	1268.4	1268.7	1268.6	1268.0	1267.5	1267.0	1266.5
142.5°	1305.0	1304.9	1304.5	1304.1	1303.8	1303.4	1303.0	1302.7	1302.3	1302.0	1301.7
145°	1356.1	1355.9	1355.9	1355.9	1355.9	1355.9	1355.7	1355.1	1354.6	1354.0	1353.5
147.5°	1400.1	1399.8	1399.5	1399.2	1398.8	1398.5	1398.4	1398.5	1398.6	1398.7	1398.8
150°	1428.0	1427.4	1426.9	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4
152.5°	1452.8	1452.2	1451.8	1451.2	1450.6	1450.1	1450.4	1451.6	1452.8	1454.0	1455.1
155°	1486.7	1485.9	1485.3	1484.8	1484.3	1483.8	1484.3	1485.9	1487.5	1489.1	1490.6
157.5°	1514.9	1514.0	1513.9	1513.9	1513.9	1513.8	1514.3	1515.2	1516.2	1517.1	1518.1
160°	1532.2	1531.2	1530.9	1530.7	1530.4	1530.1	1530.8	1532.4	1534.0	1535.6	1537.2
162.5°	1547.9	1546.4	1546.2	1545.9	1545.6	1545.4	1546.0	1547.6	1549.3	1550.9	1552.4
165°	1568.5	1566.9	1566.7	1566.5	1566.1	1565.9	1566.5	1568.1	1569.7	1571.4	1573.0
167.5°	1583.9	1582.0	1581.8	1581.4	1581.2	1581.0	1581.6	1583.3	1584.9	1586.6	1588.2
170°	1591.7	1589.6	1589.4	1589.1	1588.8	1588.6	1589.4	1591.2	1593.1	1594.9	1596.8
172.5°	1598.2	1596.3	1595.9	1595.4	1594.9	1594.4	1595.1	1597.0	1598.8	1600.7	1602.5
175°	1604.9	1602.7	1602.5	1602.2	1602.0	1601.7	1602.3	1603.9	1605.5	1607.1	1608.7
177.5°	1608.3	1606.8	1606.5	1606.4	1606.1	1605.9	1606.5	1607.7	1609.0	1610.3	1611.5
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1511.6	1516.2	1522.6	1529.9	1535.9	1542.3	1545.8	1545.8	1548.7	1555.1	1563.5
5°	1516.0	1532.1	1547.5	1567.3	1582.7	1600.6	1614.2	1627.1	1638.9	1653.7	1669.1
7.5°	1514.7	1541.4	1569.2	1600.4	1634.7	1662.0	1690.0	1712.0	1733.8	1762.1	1784.5
10°	1509.8	1544.4	1582.1	1621.6	1664.9	1702.5	1736.5	1767.4	1797.0	1827.9	1855.6
12.5°	1500.9	1544.9	1590.9	1638.4	1693.0	1736.1	1780.0	1812.8	1847.4	1881.2	1915.4
15°	1487.6	1539.4	1595.1	1661.1	1727.8	1776.0	1819.2	1861.8	1893.9	1932.2	1964.9
17.5°	1460.1	1526.9	1596.8	1669.0	1733.1	1789.1	1834.4	1874.9	1909.1	1951.2	1995.7
20°	1443.8	1516.0	1588.9	1666.0	1727.2	1784.6	1828.4	1870.4	1913.0	1968.0	2022.4
22.5°	1421.0	1498.3	1575.5	1648.8	1713.3	1768.8	1814.2	1865.5	1921.4	1983.9	2049.5
25°	1385.1	1464.7	1541.3	1611.1	1674.1	1730.9	1792.6	1861.8	1929.8	2011.9	2106.3
27.5°	1339.5	1416.3	1484.6	1558.4	1621.0	1693.2	1770.3	1845.2	1943.2	2056.2	2174.1
30°	1305.4	1378.3	1443.1	1512.9	1583.9	1663.6	1750.0	1838.3	1955.0	2087.8	2228.0
32.5°	1265.9	1331.9	1396.2	1463.5	1545.4	1632.9	1724.8	1832.9	1972.4	2123.4	2268.5
35°	1197.4	1256.6	1319.0	1393.8	1480.8	1575.9	1693.2	1824.8	1993.4	2155.8	2286.1
37.5°	1125.5	1172.3	1234.9	1313.7	1408.6	1518.6	1651.7	1811.6	1984.7	2130.4	2185.9
40°	1070.2	1114.0	1180.0	1262.8	1356.7	1477.1	1626.5	1790.8	1964.9	2066.2	2061.9
42.5°	1015.3	1059.6	1123.2	1206.5	1304.3	1439.1	1592.9	1763.6	1910.6	1949.2	1868.8
45°	931.2	972.6	1035.0	1119.0	1223.9	1365.3	1527.1	1690.8	1784.6	1722.3	1562.9
47.5°	845.5	885.7	943.6	1025.8	1140.4	1288.4	1441.4	1575.7	1588.9	1454.8	1263.8
50°	789.2	826.9	881.8	969.5	1080.6	1225.2	1372.8	1478.4	1445.6	1282.0	1085.0
52.5°	734.4	770.6	822.0	904.8	1018.4	1159.9	1291.7	1374.6	1298.9	1124.9	947.6
55°	653.3	687.9	739.8	815.7	918.9	1048.5	1164.0	1194.3	1083.2	907.8	764.5
57.5°	576.4	601.7	653.0	720.2	819.6	933.9	1016.7	1011.2	888.6	730.6	627.9
60°	525.5	548.3	597.1	658.9	753.4	855.9	913.9	889.2	765.1	634.8	536.0
62.5°	478.1	499.5	540.3	597.1	678.3	767.5	809.7	775.6	658.4	543.9	465.3
65°	406.3	421.8	454.5	507.0	570.6	632.3	670.0	620.0	516.3	429.8	370.5
67.5°	339.3	352.6	381.8	419.4	463.3	505.9	521.2	474.3	393.6	335.3	293.6
70°	295.8	308.2	327.9	363.1	392.1	422.4	429.8	387.8	320.5	276.0	250.1
72.5°	254.3	265.6	283.0	307.8	327.9	345.3	348.8	309.7	258.3	227.6	207.6
75°	193.9	203.7	214.9	224.2	237.1	240.2	239.0	208.7	180.9	160.6	149.4
77.5°	142.5	146.6	153.4	157.1	157.7	157.5	151.1	132.1	117.7	109.3	104.7
80°	110.0	113.0	114.9	116.1	116.7	110.5	103.8	92.0	87.1	82.1	76.6
82.5°	79.8	81.9	83.7	84.0	80.6	75.5	69.2	63.4	59.9	57.4	55.3
85°	43.3	43.8	43.3	40.2	35.8	34.0	32.7	31.5	30.9	30.3	30.3
87.5°	16.0	14.9	12.8	13.8	14.2	14.1	14.4	14.3	14.2	14.4	14.7
90°	3.3	5.5	7.5	9.7	11.6	13.5	15.4	17.2	19.1	20.4	21.7
92.5°	16.9	15.4	13.9	12.4	12.5	14.2	15.8	17.4	19.1	20.4	21.7
95°	67.2	66.4	65.6	64.8	59.3	49.3	39.2	29.2	19.1	20.4	21.7
97.5°	143.3	144.7	146.2	147.7	138.4	118.4	98.5	78.6	58.7	51.2	43.7
100°	199.9	200.7	201.5	202.3	203.3	204.3	205.4	206.4	207.5	168.0	128.5
102.5°	258.3	259.4	260.4	261.3	262.2	262.8	263.5	264.1	264.7	257.3	249.8
105°	351.6	352.8	353.8	354.8	355.4	355.4	355.4	355.4	355.4	355.4	355.4
107.5°	447.4	447.4	447.4	447.4	447.7	448.2	448.8	449.3	449.8	449.9	450.0
110°	510.4	510.4	510.4	510.4	510.6	511.2	511.7	512.2	512.8	512.0	511.2





TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	570.2	570.8	571.5	572.1	572.6	572.9	573.2	573.5	573.9	572.8	571.8
115°	659.6	660.9	662.3	663.5	664.3	664.6	664.9	665.2	665.4	664.3	663.3
117.5°	750.0	750.0	750.0	749.9	750.4	751.4	752.3	753.4	754.4	753.0	751.6
120°	807.1	806.8	806.5	806.3	806.5	807.3	808.1	808.9	809.7	809.2	808.7
122.5°	858.9	859.9	860.9	861.9	862.6	863.0	863.3	863.7	864.1	863.6	863.0
125°	937.9	939.8	941.7	943.6	944.4	944.4	944.4	944.4	944.4	943.4	942.4
127.5°	1012.1	1013.4	1014.8	1016.1	1016.7	1016.5	1016.4	1016.2	1016.1	1015.4	1014.9
130°	1057.9	1059.2	1060.6	1061.8	1062.6	1063.0	1063.2	1063.4	1063.7	1063.0	1062.2
132.5°	1103.9	1105.4	1107.0	1108.5	1109.0	1108.4	1107.8	1107.2	1106.7	1106.5	1106.4
135°	1169.0	1170.7	1172.3	1173.9	1174.3	1173.9	1173.3	1172.7	1172.3	1171.7	1171.2
137.5°	1228.7	1230.1	1231.4	1232.9	1233.3	1232.8	1232.3	1231.8	1231.4	1231.5	1231.6
140°	1267.0	1267.5	1268.0	1268.6	1268.7	1268.4	1268.2	1267.9	1267.7	1268.2	1268.7
142.5°	1302.0	1302.3	1302.7	1303.0	1303.4	1303.8	1304.1	1304.5	1304.9	1305.0	1305.0
145°	1354.0	1354.6	1355.1	1355.7	1355.9	1355.9	1355.9	1355.9	1355.9	1356.1	1356.5
147.5°	1398.7	1398.6	1398.5	1398.4	1398.5	1398.8	1399.2	1399.5	1399.8	1400.1	1400.4
150°	1426.9	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1428.0	1428.5
152.5°	1454.0	1452.8	1451.6	1450.4	1450.1	1450.6	1451.2	1451.8	1452.2	1452.8	1453.3
155°	1489.1	1487.5	1485.9	1484.3	1483.8	1484.3	1484.8	1485.3	1485.9	1486.7	1487.5
157.5°	1517.1	1516.2	1515.2	1514.3	1513.8	1513.9	1513.9	1513.9	1514.0	1514.9	1515.7
160°	1535.6	1534.0	1532.4	1530.8	1530.1	1530.4	1530.7	1530.9	1531.2	1532.2	1533.3
162.5°	1550.9	1549.3	1547.6	1546.0	1545.4	1545.6	1545.9	1546.2	1546.4	1547.9	1549.4
165°	1571.4	1569.7	1568.1	1566.5	1565.9	1566.1	1566.5	1566.7	1566.9	1568.5	1570.1
167.5°	1586.6	1584.9	1583.3	1581.6	1581.0	1581.2	1581.4	1581.8	1582.0	1583.9	1585.8
170°	1594.9	1593.1	1591.2	1589.4	1588.6	1588.8	1589.1	1589.4	1589.6	1591.7	1593.9
172.5°	1600.7	1598.8	1597.0	1595.1	1594.4	1594.9	1595.4	1595.9	1596.3	1598.2	1600.1
175°	1607.1	1605.5	1603.9	1602.3	1601.7	1602.0	1602.2	1602.5	1602.7	1604.9	1606.9
177.5°	1610.3	1609.0	1607.7	1606.5	1605.9	1606.1	1606.4	1606.5	1606.8	1608.3	1609.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1569.9	1569.9	1578.3	1577.9	1583.3	1581.4	1582.3
5°	1687.7	1698.2	1707.5	1713.6	1722.8	1725.4	1724.1
7.5°	1809.7	1833.0	1844.4	1860.0	1862.8	1871.0	1870.1
10°	1885.3	1908.1	1925.4	1939.0	1945.8	1954.5	1955.0
12.5°	1944.6	1964.0	1979.3	1991.9	2000.1	2002.9	2004.5
15°	1990.8	2012.5	2030.4	2048.3	2058.8	2066.8	2071.2
17.5°	2037.6	2070.9	2102.5	2126.9	2141.4	2153.8	2153.6
20°	2073.6	2111.9	2151.4	2179.2	2207.7	2219.9	2221.8
22.5°	2112.1	2170.7	2221.6	2264.7	2302.0	2314.8	2319.7
25°	2192.2	2268.7	2347.2	2407.7	2450.9	2476.2	2479.9
27.5°	2288.9	2392.5	2475.0	2530.9	2566.7	2585.5	2589.6
30°	2357.1	2452.8	2526.9	2568.9	2585.5	2588.0	2578.7
32.5°	2387.7	2459.2	2488.8	2486.3	2453.6	2431.9	2423.6
35°	2350.2	2335.4	2263.2	2176.8	2110.7	2068.7	2057.5
37.5°	2138.8	2011.0	1878.1	1747.5	1677.9	1642.6	1581.8
40°	1930.4	1748.2	1609.9	1499.9	1421.5	1358.5	1343.7
42.5°	1695.2	1507.1	1368.8	1274.7	1212.0	1168.9	1150.1
45°	1362.2	1200.5	1086.2	1014.0	965.8	934.3	920.1
47.5°	1089.6	964.3	881.1	827.6	790.9	763.5	755.8
50°	939.8	839.8	769.4	724.4	696.6	675.6	666.9
52.5°	816.3	735.6	681.5	644.3	618.0	604.9	597.8
55°	673.7	604.0	565.1	535.4	520.5	510.1	505.1
57.5°	551.0	500.6	472.1	451.6	437.9	431.3	428.8
60°	482.3	442.8	416.8	400.8	391.5	382.9	380.4
62.5°	421.5	390.4	370.4	356.3	347.1	343.3	341.8
65°	339.6	319.2	304.4	295.8	288.4	287.2	286.5
67.5°	270.0	258.0	250.3	241.2	238.6	234.2	233.5
70°	230.9	222.9	213.7	210.6	207.5	203.2	203.7
72.5°	195.9	187.8	181.6	177.4	176.3	174.5	176.1
75°	143.2	140.8	138.3	135.2	134.0	134.0	133.4
77.5°	102.3	100.1	97.4	95.6	95.2	92.6	93.6
80°	74.1	71.0	69.8	70.4	68.5	67.9	67.9
82.5°	54.8	53.7	52.5	52.6	52.2	51.7	52.1
85°	30.3	29.6	29.6	29.0	29.0	28.4	28.4
87.5°	15.4	16.2	15.4	15.1	15.3	15.9	16.6
90°	23.1	24.4	25.4	26.2	27.0	27.8	28.6
92.5°	23.1	24.4	25.2	25.6	26.0	26.4	26.7
95°	23.1	24.4	25.0	25.0	25.0	25.0	25.0
97.5°	36.3	28.8	25.0	25.0	25.0	25.0	25.0
100°	89.0	49.6	29.3	28.2	27.2	26.1	25.0
102.5°	242.3	234.9	222.1	204.1	186.1	168.0	150.0
105°	355.4	355.4	355.2	355.0	354.7	354.4	354.2
107.5°	450.0	450.0	449.6	448.9	448.1	447.3	446.5
110°	510.4	509.6	509.4	509.6	509.8	510.2	510.4



TEST NUMBER: P333736-927

CATALOG NUMBER: S125RDIW-S1270D1560U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	570.8	569.8	569.1	568.8	568.4	568.0	567.6
115°	662.3	661.2	659.9	658.3	656.6	655.1	653.5
117.5°	750.3	748.8	747.8	747.2	746.5	745.8	745.0
120°	808.1	807.6	806.7	805.3	804.0	802.7	801.4
122.5°	862.5	862.0	860.9	859.4	857.9	856.3	854.8
125°	941.3	940.2	939.3	938.5	937.7	936.9	936.1
127.5°	1014.3	1013.7	1012.4	1010.4	1008.5	1006.5	1004.6
130°	1061.4	1060.6	1059.5	1058.2	1056.9	1055.5	1054.2
132.5°	1106.2	1106.0	1105.3	1104.0	1102.6	1101.3	1099.9
135°	1170.7	1170.1	1169.0	1167.4	1165.9	1164.3	1162.7
137.5°	1231.7	1231.8	1231.2	1229.8	1228.4	1227.0	1225.7
140°	1269.2	1269.8	1269.2	1267.7	1266.1	1264.5	1262.9
142.5°	1305.2	1305.3	1304.6	1302.9	1301.3	1299.7	1298.1
145°	1356.7	1356.9	1356.3	1354.7	1353.1	1351.5	1350.0
147.5°	1400.7	1401.1	1400.3	1398.4	1396.5	1394.6	1392.7
150°	1429.0	1429.6	1428.8	1426.6	1424.5	1422.4	1420.3
152.5°	1453.8	1454.4	1453.7	1451.8	1449.9	1448.0	1446.0
155°	1488.3	1489.1	1488.4	1486.3	1484.2	1482.0	1479.9
157.5°	1516.6	1517.4	1516.8	1514.7	1512.5	1510.4	1508.3
160°	1534.4	1535.4	1534.9	1532.8	1530.7	1528.5	1526.5
162.5°	1550.9	1552.4	1552.0	1549.7	1547.3	1545.0	1542.6
165°	1571.8	1573.4	1573.0	1571.0	1568.8	1566.7	1564.6
167.5°	1587.7	1589.6	1589.4	1587.0	1584.6	1582.2	1579.8
170°	1596.0	1598.1	1598.0	1595.6	1593.2	1590.8	1588.4
172.5°	1602.0	1603.9	1603.7	1601.3	1598.9	1596.6	1594.2
175°	1609.1	1611.2	1611.1	1608.7	1606.3	1603.9	1601.6
177.5°	1611.2	1612.7	1612.6	1610.9	1609.2	1607.5	1605.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7

(END OF REPORT)