

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: P333693-840

Luminaire Tested: **S125RDIW-S850D1340U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333693-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D1340U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8010.3 lumens
Efficiency: N/A
Efficacy: 130.5 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

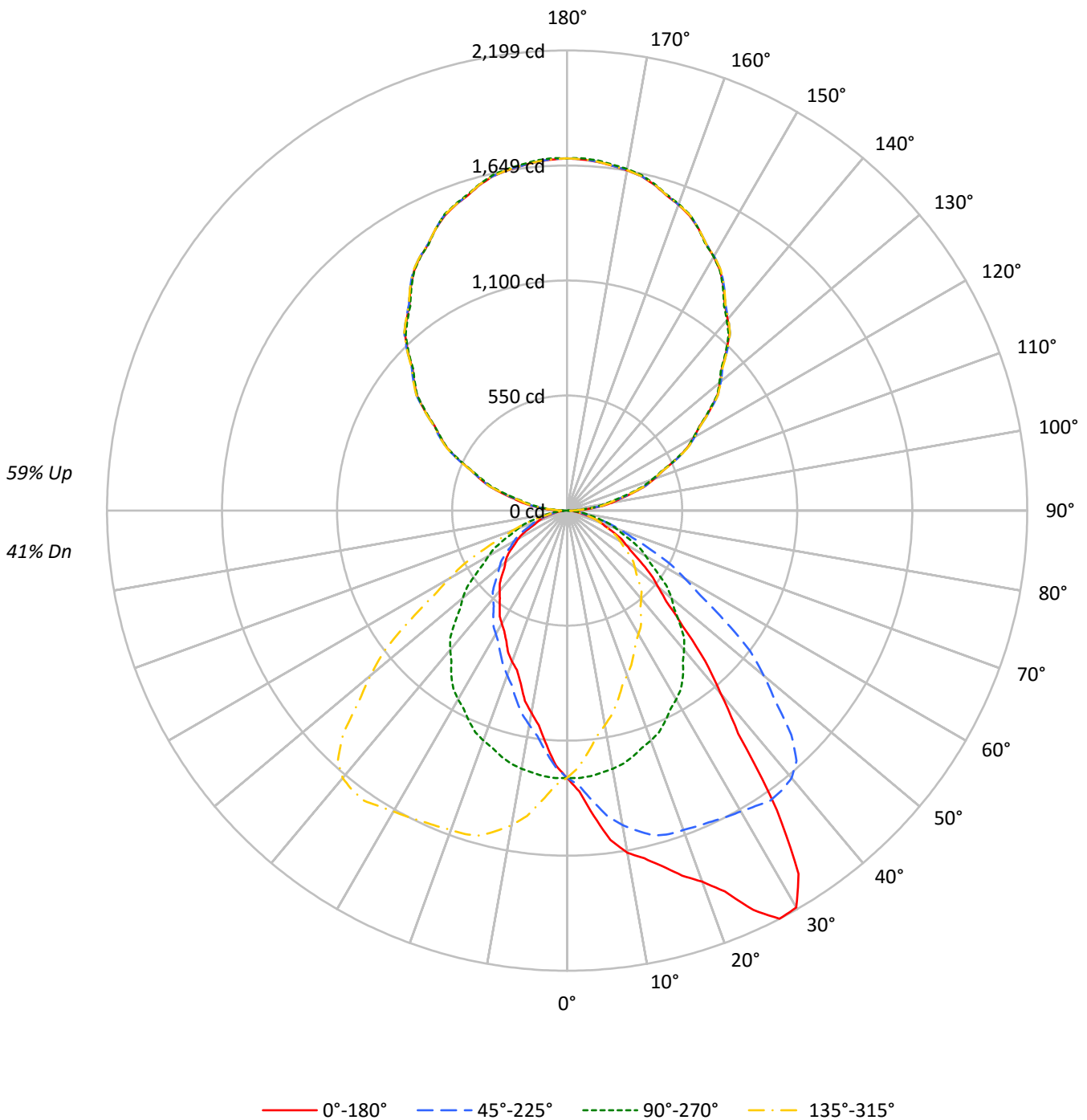
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36				
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30				
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30	26				
4	74	63	56	50	67	58	51	46	48	43	39	39	36	33	31	28	26	23				
5	68	56	48	43	61	52	45	40	43	38	34	35	31	29	28	25	23	20				
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	20	17				
7	58	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	29	49	38	31	27	32	27	23	27	23	20	21	18	16	14				
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13				
10	46	35	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8250	8250	8250	8250
5°	9491	8261	7295	8261
10°	10887	8218	6437	8218
15°	11760	8134	5722	8134
20°	12967	8036	5283	8036
25°	15007	7906	4903	7906
30°	16330	7770	4653	7770
35°	13775	7611	4424	7611
40°	9620	7325	4226	7325
45°	7136	6940	4032	6940
50°	5690	6539	3867	6539
55°	4829	6040	3719	6040
60°	4173	5594	3481	5594
65°	3718	5113	2997	5113
70°	3269	4683	2732	4683
75°	2827	4057	2565	4057
80°	2146	3414	2146	3414
85°	1786	2682	2023	2682



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.5
10°-20°	359.0	4.5
20°-30°	569.2	7.1
30°-40°	686.4	8.6
40°-50°	613.0	7.7
50°-60°	470.0	5.9
60°-70°	305.5	3.8
70°-80°	148.5	1.9
80°-90°	39.1	0.5
90°-100°	112.7	1.4
100°-110°	332.9	4.2
110°-120°	563.9	7.0
120°-130°	742.1	9.3
130°-140°	831.6	10.4
140°-150°	815.0	10.2
150°-160°	684.5	8.5
160°-170°	455.0	5.7
170°-180°	159.2	2.0
0°-30°	1050.6	13.1
0°-40°	1737.0	21.7
0°-60°	2820.0	35.2
0°-90°	3313.1	41.4
90°-120°	1009.6	12.6
90°-150°	3398.3	42.4
90°-180°	4697.0	58.6
0°-180°	8010.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1464	1274	1125	1274	1464	146
15°	1759	1217	856	1217	1759	504
25°	2106	1110	688	1110	2106	967
35°	1747	965	561	965	1747	1055
45°	781	760	442	760	781	623
55°	429	536	330	536	429	389
65°	243	335	196	335	243	242
75°	113	163	103	163	113	121
85°	24	36	27	36	24	29
90°	31	1	31	1	31	19
95°	113	85	113	85	113	115
105°	325	299	325	299	325	344
115°	570	565	570	565	570	564
125°	829	824	829	824	829	740
135°	1076	1072	1076	1072	1076	830
145°	1303	1298	1303	1298	1303	814
155°	1486	1486	1486	1486	1486	684
165°	1611	1615	1611	1615	1611	454
175°	1673	1679	1673	1679	1673	159
180°	1683	1683	1683	1683	1683	



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1343.6	1342.8	1344.5	1339.9	1340.3	1333.1	1333.1	1327.7	1320.6	1315.1	1312.6
5°	1464.0	1465.1	1463.0	1455.1	1449.9	1442.0	1433.1	1417.3	1404.2	1391.7	1381.7
7.5°	1588.0	1588.7	1581.9	1579.4	1566.2	1556.5	1536.7	1515.3	1496.3	1472.2	1453.8
10°	1660.1	1659.6	1652.3	1646.5	1635.0	1620.3	1600.9	1575.7	1552.2	1525.9	1500.8
12.5°	1702.1	1700.7	1698.4	1691.4	1680.7	1667.7	1651.2	1626.5	1597.4	1568.7	1539.3
15°	1758.8	1755.0	1748.3	1739.3	1724.1	1708.9	1690.6	1668.6	1640.7	1608.2	1580.9
17.5°	1828.8	1828.9	1818.5	1806.0	1785.3	1758.6	1730.2	1694.7	1656.9	1621.1	1592.1
20°	1886.7	1885.1	1874.6	1850.5	1826.9	1793.3	1760.8	1717.3	1671.1	1624.5	1588.3
22.5°	1969.7	1965.7	1954.8	1923.1	1886.5	1843.3	1793.5	1740.4	1684.6	1631.6	1584.2
25°	2105.9	2102.7	2081.2	2044.6	1993.2	1926.5	1861.5	1788.7	1708.4	1638.7	1580.9
27.5°	2199.0	2195.5	2179.6	2149.1	2101.7	2031.6	1943.6	1846.2	1746.1	1650.1	1566.9
30°	2189.8	2197.7	2195.5	2181.4	2145.8	2082.8	2001.6	1892.0	1772.9	1660.1	1561.0
32.5°	2058.0	2065.1	2083.6	2111.3	2113.4	2088.3	2027.5	1926.3	1803.1	1674.9	1556.4
35°	1747.2	1756.7	1792.3	1848.5	1921.8	1983.2	1995.8	1941.3	1830.6	1692.6	1549.5
37.5°	1343.2	1394.8	1424.8	1483.9	1594.8	1707.7	1816.2	1856.1	1809.1	1685.4	1538.3
40°	1141.0	1153.6	1207.1	1273.7	1367.1	1484.5	1639.2	1750.9	1754.5	1668.6	1520.7
42.5°	976.5	992.5	1029.3	1082.4	1162.4	1279.8	1439.5	1586.9	1655.2	1622.4	1497.6
45°	781.3	793.3	820.1	861.0	922.4	1019.4	1156.8	1327.2	1462.5	1515.4	1435.7
47.5°	641.9	648.3	671.7	702.8	748.2	818.9	925.2	1073.2	1235.5	1349.2	1338.0
50°	566.3	573.7	591.5	615.1	653.4	713.2	798.1	921.3	1088.6	1227.6	1255.4
52.5°	507.6	513.7	524.8	547.1	578.7	624.6	693.2	804.7	955.2	1103.0	1167.2
55°	428.9	433.1	442.0	454.6	479.8	512.8	572.1	649.1	770.8	919.8	1014.1
57.5°	364.2	366.2	371.9	383.5	400.9	425.1	467.9	533.2	620.5	754.6	858.7
60°	323.1	325.1	332.4	340.3	354.0	376.0	409.5	455.1	539.1	649.6	755.1
62.5°	290.3	291.5	294.7	302.6	314.5	331.5	357.9	395.2	461.9	559.1	658.6
65°	243.3	243.9	244.9	251.2	258.5	271.1	288.4	314.6	365.0	438.4	526.4
67.5°	198.2	198.9	202.6	204.8	212.5	219.0	229.2	249.3	284.8	334.3	402.7
70°	173.1	172.5	176.2	178.8	181.5	189.2	196.1	212.4	234.4	272.2	329.3
72.5°	149.6	148.1	149.8	150.7	154.2	159.6	166.3	176.3	193.3	219.2	263.1
75°	113.3	113.8	113.8	114.8	117.4	119.6	121.7	126.9	136.3	153.6	177.2
77.5°	79.5	78.7	80.9	81.2	82.7	85.0	86.8	89.0	92.8	100.0	112.1
80°	57.7	57.7	58.2	59.8	59.3	60.3	62.9	65.0	69.8	73.9	78.2
82.5°	44.2	43.8	44.3	44.6	44.5	45.6	46.6	47.0	48.8	50.9	53.8
85°	24.1	24.1	24.6	24.6	25.1	25.1	25.7	25.7	25.7	26.3	26.8
87.5°	15.6	14.9	14.3	14.1	14.4	15.0	14.3	13.6	13.3	13.0	13.0
90°	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8	22.4	21.0	18.9
92.5°	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1	52.2	50.3	47.8
95°	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9	102.9	100.9	98.0
97.5°	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4	162.5	160.6	156.6
100°	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7	203.1	200.5	196.6
102.5°	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0	245.2	242.4	240.4
105°	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6	314.9	313.1	311.3
107.5°	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5	389.7	388.8	387.5
110°	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9	441.0	440.1	439.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3	492.9	492.5	491.4
115°	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9	572.2	572.5	571.9
117.5°	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5	650.3	650.1	649.4
120°	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5	703.5	703.5	703.2
122.5°	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4	755.6	755.9	755.1
125°	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9	832.5	833.1	832.8
127.5°	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0	908.3	908.6	908.3
130°	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3	958.6	958.9	958.3
132.5°	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5	1006.8	1007.1	1007.2
135°	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8	1080.8	1080.8	1080.5
137.5°	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0	1152.6	1152.3	1151.7
140°	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5	1197.9	1197.3	1196.4
142.5°	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0	1242.7	1242.3	1241.2
145°	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4	1307.4	1307.4	1306.5
147.5°	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9	1366.2	1365.5	1364.8
150°	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3	1404.3	1404.3	1403.1
152.5°	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2	1438.6	1437.8	1437.3
155°	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1	1487.9	1486.8	1486.5
157.5°	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4	1531.2	1530.0	1529.7
160°	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5	1557.4	1556.2	1555.9
162.5°	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2	1581.8	1580.3	1580.2
165°	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2	1615.1	1613.9	1613.6
167.5°	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7	1638.9	1637.2	1637.2
170°	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4	1653.7	1651.8	1651.8
172.5°	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9	1664.1	1662.3	1662.3
175°	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6	1675.9	1674.2	1674.2
177.5°	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9	1681.5	1680.1	1680.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1312.6	1309.7	1304.2	1299.2	1292.9	1287.5	1283.6	1279.1	1273.1	1266.1	1260.2
5°	1370.7	1359.2	1343.9	1330.9	1314.0	1301.0	1287.4	1274.2	1261.1	1244.4	1229.6
7.5°	1435.1	1411.3	1388.2	1359.0	1332.5	1308.9	1286.3	1263.3	1240.9	1217.1	1194.1
10°	1474.5	1445.7	1413.7	1377.0	1343.4	1311.4	1282.1	1253.2	1222.8	1196.1	1167.2
12.5°	1511.5	1474.2	1437.6	1391.3	1351.0	1311.9	1274.6	1238.6	1206.1	1171.3	1140.4
15°	1544.8	1508.1	1467.2	1410.6	1354.4	1307.3	1263.2	1216.6	1176.2	1137.4	1102.8
17.5°	1557.7	1519.2	1471.7	1417.2	1355.9	1296.6	1239.8	1188.6	1141.1	1095.9	1057.0
20°	1552.7	1515.4	1466.6	1414.7	1349.2	1287.4	1226.0	1169.3	1116.4	1068.6	1027.2
22.5°	1540.4	1502.0	1454.9	1400.1	1337.9	1272.2	1206.7	1146.3	1090.8	1041.4	996.2
25°	1522.3	1469.9	1421.6	1368.1	1308.8	1243.9	1176.2	1109.5	1050.4	1000.0	950.7
27.5°	1503.3	1437.8	1376.4	1323.3	1260.7	1202.6	1137.5	1069.1	1006.9	955.6	905.0
30°	1486.1	1412.7	1345.0	1284.8	1225.5	1170.4	1108.5	1041.9	978.0	925.0	873.6
32.5°	1464.7	1386.6	1312.3	1242.7	1185.6	1130.9	1075.0	1011.3	949.0	894.3	842.1
35°	1437.8	1338.2	1257.5	1183.5	1120.0	1067.1	1016.7	965.3	902.9	846.4	795.5
37.5°	1402.6	1289.5	1196.1	1115.6	1048.6	995.4	955.7	908.8	851.8	797.6	750.3
40°	1381.2	1254.3	1152.1	1072.4	1002.1	945.9	908.8	868.9	817.0	766.1	718.9
42.5°	1352.7	1222.0	1107.6	1024.5	953.8	899.8	862.1	827.4	783.9	735.9	685.4
45°	1296.8	1159.4	1039.4	950.2	878.9	825.9	790.7	759.8	726.8	682.8	638.6
47.5°	1224.0	1094.1	968.4	871.1	801.2	752.0	718.0	693.6	669.9	632.5	589.7
50°	1165.7	1040.4	917.7	823.2	748.8	702.2	670.1	650.8	629.2	595.1	559.5
52.5°	1096.9	985.0	864.7	768.3	698.0	654.3	623.6	604.2	586.4	558.7	524.7
55°	988.5	890.4	780.2	692.7	628.2	584.1	554.8	536.4	525.9	502.3	475.6
57.5°	863.3	793.0	695.9	611.5	554.5	511.0	489.5	473.8	462.0	445.2	426.5
60°	776.1	726.8	639.7	559.5	507.1	465.6	446.3	433.1	422.1	408.0	393.2
62.5°	687.5	651.7	575.9	507.1	458.8	424.1	406.0	394.2	381.4	371.9	357.6
65°	569.0	536.9	484.5	430.5	386.0	358.1	345.1	334.6	326.7	316.2	306.2
67.5°	442.5	429.6	393.3	356.2	324.2	299.4	288.1	280.7	271.4	265.0	258.2
70°	365.0	358.7	333.0	308.3	278.4	261.7	251.2	248.0	236.5	230.2	225.5
72.5°	296.2	293.3	278.4	261.4	240.2	225.6	215.9	212.4	205.0	200.0	196.9
75°	202.9	204.0	201.4	190.4	182.5	173.1	164.6	162.6	157.3	153.1	150.5
77.5°	128.4	133.7	133.9	133.4	130.3	124.5	121.0	119.5	114.3	112.7	112.1
80°	88.1	93.8	99.1	98.6	97.6	95.9	93.3	91.8	89.2	87.6	86.5
82.5°	58.8	64.1	68.5	71.3	71.1	69.6	67.8	67.1	66.4	65.3	65.1
85°	27.8	28.9	30.4	34.1	36.7	37.3	36.7	36.2	34.6	35.1	35.6
87.5°	13.0	12.6	12.6	12.2	11.3	12.9	13.7	13.7	13.3	12.9	12.5
90°	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3	3.6	6.0	8.3
92.5°	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7	33.3	34.9	36.6
95°	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1	85.7	86.3	86.8
97.5°	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5	141.7	142.0	142.2
100°	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4
102.5°	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4	229.6	230.8	232.0
105°	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7	300.1	301.5	303.1
107.5°	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2	377.7	379.1	380.6
110°	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7	431.1	432.6	434.0



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1	484.9	485.6	486.5
115°	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6	565.7	566.9	568.0
117.5°	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3	645.8	646.3	646.8
120°	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6	697.0	698.5	699.9
122.5°	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6
125°	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9	825.7	827.5	829.2
127.5°	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5	903.5	904.5	905.5
130°	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7	951.2	952.6	954.1
132.5°	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8	999.3	1001.7	1004.0
135°	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6	1073.3	1075.0	1076.8
137.5°	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8	1143.5	1145.2	1146.8
140°	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8	1188.3	1189.7	1191.2
142.5°	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9	1233.1	1234.4	1235.6
145°	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2	1299.3	1300.5	1301.6
147.5°	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5	1360.1	1360.8	1361.4
150°	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4	1400.1	1399.8	1399.5
152.5°	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9	1434.3	1434.7	1435.1
155°	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6	1531.0	1530.3	1529.6
160°	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8	1558.0	1557.1	1556.2
162.5°	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0	1582.4	1581.7	1581.0
165°	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2	1614.6	1614.0	1613.5
167.5°	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4	1641.2	1640.1	1638.9
170°	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1	1656.0	1654.8	1653.7
172.5°	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6	1666.4	1665.3	1664.1
175°	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4	1678.2	1677.1	1675.9
177.5°	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4	1684.5	1683.5	1682.6
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1256.0	1250.1	1245.9	1237.5	1231.6	1229.1	1224.6	1223.2	1227.9	1224.6	1224.1
5°	1218.6	1203.5	1191.3	1179.3	1166.2	1157.8	1145.2	1143.2	1139.9	1135.3	1134.2
7.5°	1173.9	1154.1	1138.5	1118.6	1101.3	1087.3	1071.6	1064.2	1060.1	1054.0	1045.8
10°	1143.7	1120.0	1099.0	1079.1	1057.6	1040.4	1024.6	1012.6	1004.7	997.3	994.2
12.5°	1113.9	1089.8	1063.0	1038.8	1014.9	995.4	978.1	970.2	961.5	952.9	945.5
15°	1067.6	1035.6	1006.2	978.5	958.1	937.1	920.3	908.8	895.6	891.9	877.8
17.5°	1018.5	987.1	952.8	923.5	899.8	876.8	858.3	845.2	835.4	821.8	815.3
20°	988.0	950.7	917.2	890.4	864.1	836.9	818.0	807.0	797.6	786.6	781.3
22.5°	955.2	918.8	884.4	853.0	826.4	799.6	786.2	774.7	764.0	753.9	746.9
25°	907.2	870.5	834.2	801.7	774.0	754.6	738.8	725.7	719.9	710.0	702.7
27.5°	859.7	820.6	783.0	750.7	728.9	709.7	696.8	686.4	676.0	667.3	661.0
30°	829.0	789.2	748.3	722.6	699.5	681.2	667.0	657.0	649.1	641.3	636.6
32.5°	798.4	757.3	721.0	693.2	671.4	655.6	641.0	631.5	623.2	614.5	608.9
35°	749.3	707.4	678.0	650.8	629.2	614.6	604.6	591.0	584.1	577.8	572.1
37.5°	703.7	664.7	632.9	609.0	590.4	575.7	562.9	555.5	547.1	541.5	536.6
40°	670.1	634.5	605.6	580.5	566.8	550.6	538.6	529.1	522.8	515.4	510.2
42.5°	640.0	606.8	578.8	556.1	539.2	525.4	513.8	504.3	496.3	491.1	486.8
45°	597.2	564.2	536.9	515.9	500.3	487.2	475.0	470.4	459.9	453.6	451.5
47.5°	553.1	523.5	497.3	477.9	461.8	449.4	438.1	428.4	422.6	416.5	413.1
50°	523.3	495.0	470.4	451.5	435.8	422.1	411.6	405.4	397.5	391.7	387.5
52.5°	493.5	467.4	442.7	424.6	411.0	397.4	385.7	379.3	371.9	368.2	365.3
55°	451.0	423.1	402.2	384.4	370.2	357.6	346.6	340.3	335.6	331.9	330.8
57.5°	402.7	380.7	361.2	345.2	330.4	318.6	308.9	303.0	298.8	298.2	295.1
60°	371.2	351.3	333.5	316.2	303.6	292.6	284.2	277.4	273.2	272.7	271.7
62.5°	339.8	320.7	304.2	288.9	277.6	267.0	259.0	251.4	248.8	246.2	244.0
65°	293.2	275.8	262.2	250.1	238.0	229.1	221.3	216.5	210.8	207.6	201.9
67.5°	247.3	233.9	220.8	210.6	201.2	192.7	186.1	179.2	175.2	172.7	168.5
70°	217.1	206.6	193.5	182.5	175.1	168.3	163.1	155.2	152.6	150.5	148.3
72.5°	188.5	179.4	168.3	159.5	152.1	145.6	139.6	135.9	133.3	131.2	130.0
75°	148.3	139.5	130.1	123.7	118.6	113.3	110.1	107.4	106.4	105.9	103.8
77.5°	109.0	104.2	96.6	91.7	88.2	86.1	83.3	81.9	81.8	79.5	78.8
80°	83.4	80.8	74.4	72.4	69.8	67.7	66.0	63.4	60.8	59.8	58.2
82.5°	62.0	59.4	56.9	53.5	51.3	50.0	48.5	47.5	47.9	46.4	45.6
85°	33.0	30.4	29.4	28.9	27.8	28.9	28.3	27.8	27.3	26.8	27.3
87.5°	12.6	13.0	13.0	14.2	13.4	14.2	14.5	14.4	14.7	15.0	14.8
90°	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8	25.3	26.8	28.0
92.5°	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1	56.0	58.0	59.3
95°	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9	106.9	109.1	110.3
97.5°	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4	166.3	168.2	169.5
100°	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7	208.2	210.9	212.5
102.5°	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0	250.9	253.8	255.6
105°	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6	318.3	320.0	321.3
107.5°	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5	391.4	392.3	392.7
110°	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9	442.7	443.6	443.9



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3	493.7	494.1	494.1
115°	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9	571.6	571.3	571.0
117.5°	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5	650.7	651.0	650.5
120°	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5	703.5	703.5	702.9
122.5°	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4	755.2	754.9	754.4
125°	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9	831.4	830.8	830.4
127.5°	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0	907.7	907.5	907.0
130°	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3	958.1	957.8	957.3
132.5°	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5	1006.2	1005.9	1005.4
135°	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8	1080.8	1080.8	1080.2
137.5°	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0	1153.3	1153.7	1153.1
140°	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5	1199.0	1199.6	1199.2
142.5°	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0	1243.4	1243.7	1243.2
145°	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4	1307.4	1307.4	1306.9
147.5°	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9	1367.6	1368.3	1367.7
150°	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3	1404.3	1404.3	1404.0
152.5°	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2	1439.9	1440.6	1440.5
155°	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1	1490.3	1491.5	1491.3
157.5°	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4	1533.5	1534.7	1534.3
160°	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5	1559.7	1560.8	1560.7
162.5°	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2	1584.5	1585.9	1585.8
165°	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2	1617.4	1618.5	1618.2
167.5°	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7	1642.4	1644.2	1644.2
170°	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4	1657.1	1658.8	1658.7
172.5°	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9	1667.6	1669.3	1669.3
175°	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6	1679.4	1681.1	1680.9
177.5°	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9	1684.4	1685.8	1685.7
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1223.7	1219.1	1217.8	1219.5	1217.8	1219.1	1223.7	1224.1	1224.6	1227.9	1223.2
5°	1128.9	1123.8	1126.3	1125.3	1126.3	1123.8	1128.9	1134.2	1135.3	1139.9	1143.2
7.5°	1045.7	1039.2	1032.3	1034.5	1032.3	1039.2	1045.7	1045.8	1054.0	1060.1	1064.2
10°	987.3	982.2	979.0	981.6	979.0	982.2	987.3	994.2	997.3	1004.7	1012.6
12.5°	938.3	935.1	932.4	931.3	932.4	935.1	938.3	945.5	952.9	961.5	970.2
15°	871.5	865.3	862.6	855.8	862.6	865.3	871.5	877.8	891.9	895.6	908.8
17.5°	809.9	807.9	801.0	798.1	801.0	807.9	809.9	815.3	821.8	835.4	845.2
20°	773.5	771.3	764.6	768.7	764.6	771.3	773.5	781.3	786.6	797.6	807.0
22.5°	743.3	738.6	736.4	735.2	736.4	738.6	743.3	746.9	753.9	764.0	774.7
25°	700.5	693.8	691.2	688.0	691.2	693.8	700.5	702.7	710.0	719.9	725.7
27.5°	658.0	654.3	650.9	650.1	650.9	654.3	658.0	661.0	667.3	676.0	686.4
30°	630.3	626.6	624.0	624.0	624.0	626.6	630.3	636.6	641.3	649.1	657.0
32.5°	605.5	602.7	600.1	599.7	600.1	602.7	605.5	608.9	614.5	623.2	631.5
35°	569.5	565.3	564.2	561.1	564.2	565.3	569.5	572.1	577.8	584.1	591.0
37.5°	532.0	528.6	528.5	528.2	528.5	528.6	532.0	536.6	541.5	547.1	555.5
40°	508.2	505.5	504.9	501.3	504.9	505.5	508.2	510.2	515.4	522.8	529.1
42.5°	482.5	481.2	479.4	477.8	479.4	481.2	482.5	486.8	491.1	496.3	504.3
45°	447.8	444.1	444.1	441.5	444.1	444.1	447.8	451.5	453.6	459.9	470.4
47.5°	411.9	409.1	409.4	406.7	409.4	409.1	411.9	413.1	416.5	422.6	428.4
50°	388.0	386.5	386.0	384.9	386.0	386.5	388.0	387.5	391.7	397.5	405.4
52.5°	364.2	363.3	365.4	363.0	365.4	363.3	364.2	365.3	368.2	371.9	379.3
55°	331.9	330.3	333.5	330.3	333.5	330.3	331.9	330.8	331.9	335.6	340.3
57.5°	294.9	293.5	296.3	294.7	296.3	293.5	294.9	295.1	298.2	298.8	303.0
60°	270.5	267.4	269.0	269.5	269.0	267.4	270.5	271.7	272.7	273.2	277.4
62.5°	241.7	239.7	240.9	238.5	240.9	239.7	241.7	244.0	246.2	248.8	251.4
65°	200.9	199.2	197.1	196.1	197.1	199.2	200.9	201.9	207.6	210.8	216.5
67.5°	168.7	165.0	164.9	165.7	164.9	165.0	168.7	168.5	172.7	175.2	179.2
70°	145.2	145.2	144.7	144.7	144.7	145.2	145.2	148.3	150.5	152.6	155.2
72.5°	128.9	128.5	127.5	127.1	127.5	128.5	128.9	130.0	131.2	133.3	135.9
75°	103.8	104.3	103.3	102.8	103.3	104.3	103.8	103.8	105.9	106.4	107.4
77.5°	76.6	74.4	75.6	74.4	75.6	74.4	76.6	78.8	79.5	81.8	81.9
80°	58.2	57.7	59.3	57.7	59.3	57.7	58.2	58.2	59.8	60.8	63.4
82.5°	46.0	45.5	46.3	45.1	46.3	45.5	46.0	45.6	46.4	47.9	47.5
85°	27.8	27.3	26.8	27.3	26.8	27.3	27.8	27.3	26.8	27.3	27.8
87.5°	15.5	15.1	15.3	15.6	15.3	15.1	15.5	14.8	15.0	14.7	14.4
90°	28.8	29.7	30.6	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8
92.5°	59.9	60.6	61.2	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1
95°	110.9	111.5	112.1	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9
97.5°	169.8	170.2	170.5	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4
100°	213.1	213.7	214.3	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7
102.5°	256.4	257.2	258.0	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0
105°	322.2	323.2	324.0	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6
107.5°	392.6	392.5	392.5	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5
110°	443.6	443.3	443.0	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	493.6	493.1	492.5	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3
115°	570.7	570.4	570.2	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9
117.5°	649.3	648.1	647.0	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5
120°	701.7	700.5	699.3	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5
122.5°	753.4	752.5	751.5	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4
125°	830.1	829.8	829.5	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9
127.5°	906.5	905.8	905.2	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0
130°	956.7	956.1	955.5	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3
132.5°	1004.6	1003.7	1002.9	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5
135°	1078.9	1077.8	1076.6	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8
137.5°	1151.7	1150.1	1148.7	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0
140°	1197.7	1196.3	1194.9	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5
142.5°	1241.7	1240.3	1238.8	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0
145°	1306.1	1305.1	1304.2	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4
147.5°	1365.6	1363.7	1361.7	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9
150°	1403.4	1402.8	1402.2	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3
152.5°	1439.4	1438.4	1437.2	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2
155°	1489.9	1488.4	1486.9	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1
157.5°	1532.4	1530.5	1528.5	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4
160°	1559.3	1557.8	1556.4	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5
162.5°	1584.1	1582.4	1580.7	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2
165°	1616.5	1614.8	1613.0	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2
167.5°	1642.3	1640.5	1638.7	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7
170°	1656.7	1654.7	1652.5	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4
172.5°	1667.5	1665.7	1663.9	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9
175°	1678.9	1676.9	1674.9	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6
177.5°	1683.9	1682.3	1680.7	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1224.6	1229.1	1231.6	1237.5	1245.9	1250.1	1256.0	1260.2	1266.1	1273.1	1279.1
5°	1145.2	1157.8	1166.2	1179.3	1191.3	1203.5	1218.6	1229.6	1244.4	1261.1	1274.2
7.5°	1071.6	1087.3	1101.3	1118.6	1138.5	1154.1	1173.9	1194.1	1217.1	1240.9	1263.3
10°	1024.6	1040.4	1057.6	1079.1	1099.0	1120.0	1143.7	1167.2	1196.1	1222.8	1253.2
12.5°	978.1	995.4	1014.9	1038.8	1063.0	1089.8	1113.9	1140.4	1171.3	1206.1	1238.6
15°	920.3	937.1	958.1	978.5	1006.2	1035.6	1067.6	1102.8	1137.4	1176.2	1216.6
17.5°	858.3	876.8	899.8	923.5	952.8	987.1	1018.5	1057.0	1095.9	1141.1	1188.6
20°	818.0	836.9	864.1	890.4	917.2	950.7	988.0	1027.2	1068.6	1116.4	1169.3
22.5°	786.2	799.6	826.4	853.0	884.4	918.8	955.2	996.2	1041.4	1090.8	1146.3
25°	738.8	754.6	774.0	801.7	834.2	870.5	907.2	950.7	1000.0	1050.4	1109.5
27.5°	696.8	709.7	728.9	750.7	783.0	820.6	859.7	905.0	955.6	1006.9	1069.1
30°	667.0	681.2	699.5	722.6	748.3	789.2	829.0	873.6	925.0	978.0	1041.9
32.5°	641.0	655.6	671.4	693.2	721.0	757.3	798.4	842.1	894.3	949.0	1011.3
35°	604.6	614.6	629.2	650.8	678.0	707.4	749.3	795.5	846.4	902.9	965.3
37.5°	562.9	575.7	590.4	609.0	632.9	664.7	703.7	750.3	797.6	851.8	908.8
40°	538.6	550.6	566.8	580.5	605.6	634.5	670.1	718.9	766.1	817.0	868.9
42.5°	513.8	525.4	539.2	556.1	578.8	606.8	640.0	685.4	735.9	783.9	827.4
45°	475.0	487.2	500.3	515.9	536.9	564.2	597.2	638.6	682.8	726.8	759.8
47.5°	438.1	449.4	461.8	477.9	497.3	523.5	553.1	589.7	632.5	669.9	693.6
50°	411.6	422.1	435.8	451.5	470.4	495.0	523.3	559.5	595.1	629.2	650.8
52.5°	385.7	397.4	411.0	424.6	442.7	467.4	493.5	524.7	558.7	586.4	604.2
55°	346.6	357.6	370.2	384.4	402.2	423.1	451.0	475.6	502.3	525.9	536.4
57.5°	308.9	318.6	330.4	345.2	361.2	380.7	402.7	426.5	445.2	462.0	473.8
60°	284.2	292.6	303.6	316.2	333.5	351.3	371.2	393.2	408.0	422.1	433.1
62.5°	259.0	267.0	277.6	288.9	304.2	320.7	339.8	357.6	371.9	381.4	394.2
65°	221.3	229.1	238.0	250.1	262.2	275.8	293.2	306.2	316.2	326.7	334.6
67.5°	186.1	192.7	201.2	210.6	220.8	233.9	247.3	258.2	265.0	271.4	280.7
70°	163.1	168.3	175.1	182.5	193.5	206.6	217.1	225.5	230.2	236.5	248.0
72.5°	139.6	145.6	152.1	159.5	168.3	179.4	188.5	196.9	200.0	205.0	212.4
75°	110.1	113.3	118.6	123.7	130.1	139.5	148.3	150.5	153.1	157.3	162.6
77.5°	83.3	86.1	88.2	91.7	96.6	104.2	109.0	112.1	112.7	114.3	119.5
80°	66.0	67.7	69.8	72.4	74.4	80.8	83.4	86.5	87.6	89.2	91.8
82.5°	48.5	50.0	51.3	53.5	56.9	59.4	62.0	65.1	65.3	66.4	67.1
85°	28.3	28.9	27.8	28.9	29.4	30.4	33.0	35.6	35.1	34.6	36.2
87.5°	14.5	14.2	13.4	14.2	13.0	13.0	12.6	12.5	12.9	13.3	13.7
90°	22.4	21.0	18.9	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3
92.5°	52.2	50.3	47.8	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7
95°	102.9	100.9	98.0	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1
97.5°	162.5	160.6	156.6	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5
100°	203.1	200.5	196.6	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4
102.5°	245.2	242.4	240.4	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4
105°	314.9	313.1	311.3	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7
107.5°	389.7	388.8	387.5	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2
110°	441.0	440.1	439.3	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	492.9	492.5	491.4	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1
115°	572.2	572.5	571.9	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6
117.5°	650.3	650.1	649.4	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3
120°	703.5	703.5	703.2	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6
122.5°	755.6	755.9	755.1	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1
125°	832.5	833.1	832.8	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9
127.5°	908.3	908.6	908.3	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5
130°	958.6	958.9	958.3	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7
132.5°	1006.8	1007.1	1007.2	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8
135°	1080.8	1080.8	1080.5	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6
137.5°	1152.6	1152.3	1151.7	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8
140°	1197.9	1197.3	1196.4	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8
142.5°	1242.7	1242.3	1241.2	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9
145°	1307.4	1307.4	1306.5	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2
147.5°	1366.2	1365.5	1364.8	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5
150°	1404.3	1404.3	1403.1	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4
152.5°	1438.6	1437.8	1437.3	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9
155°	1487.9	1486.8	1486.5	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1531.2	1530.0	1529.7	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6
160°	1557.4	1556.2	1555.9	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8
162.5°	1581.8	1580.3	1580.2	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0
165°	1615.1	1613.9	1613.6	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2
167.5°	1638.9	1637.2	1637.2	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4
170°	1653.7	1651.8	1651.8	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1
172.5°	1664.1	1662.3	1662.3	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6
175°	1675.9	1674.2	1674.2	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4
177.5°	1681.5	1680.1	1680.4	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1283.6	1287.5	1292.9	1299.2	1304.2	1309.7	1312.6	1312.6	1315.1	1320.6	1327.7
5°	1287.4	1301.0	1314.0	1330.9	1343.9	1359.2	1370.7	1381.7	1391.7	1404.2	1417.3
7.5°	1286.3	1308.9	1332.5	1359.0	1388.2	1411.3	1435.1	1453.8	1472.2	1496.3	1515.3
10°	1282.1	1311.4	1343.4	1377.0	1413.7	1445.7	1474.5	1500.8	1525.9	1552.2	1575.7
12.5°	1274.6	1311.9	1351.0	1391.3	1437.6	1474.2	1511.5	1539.3	1568.7	1597.4	1626.5
15°	1263.2	1307.3	1354.4	1410.6	1467.2	1508.1	1544.8	1580.9	1608.2	1640.7	1668.6
17.5°	1239.8	1296.6	1355.9	1417.2	1471.7	1519.2	1557.7	1592.1	1621.1	1656.9	1694.7
20°	1226.0	1287.4	1349.2	1414.7	1466.6	1515.4	1552.7	1588.3	1624.5	1671.1	1717.3
22.5°	1206.7	1272.2	1337.9	1400.1	1454.9	1502.0	1540.4	1584.2	1631.6	1684.6	1740.4
25°	1176.2	1243.9	1308.8	1368.1	1421.6	1469.9	1522.3	1580.9	1638.7	1708.4	1788.7
27.5°	1137.5	1202.6	1260.7	1323.3	1376.4	1437.8	1503.3	1566.9	1650.1	1746.1	1846.2
30°	1108.5	1170.4	1225.5	1284.8	1345.0	1412.7	1486.1	1561.0	1660.1	1772.9	1892.0
32.5°	1075.0	1130.9	1185.6	1242.7	1312.3	1386.6	1464.7	1556.4	1674.9	1803.1	1926.3
35°	1016.7	1067.1	1120.0	1183.5	1257.5	1338.2	1437.8	1549.5	1692.6	1830.6	1941.3
37.5°	955.7	995.4	1048.6	1115.6	1196.1	1289.5	1402.6	1538.3	1685.4	1809.1	1856.1
40°	908.8	945.9	1002.1	1072.4	1152.1	1254.3	1381.2	1520.7	1668.6	1754.5	1750.9
42.5°	862.1	899.8	953.8	1024.5	1107.6	1222.0	1352.7	1497.6	1622.4	1655.2	1586.9
45°	790.7	825.9	878.9	950.2	1039.4	1159.4	1296.8	1435.7	1515.4	1462.5	1327.2
47.5°	718.0	752.0	801.2	871.1	968.4	1094.1	1224.0	1338.0	1349.2	1235.5	1073.2
50°	670.1	702.2	748.8	823.2	917.7	1040.4	1165.7	1255.4	1227.6	1088.6	921.3
52.5°	623.6	654.3	698.0	768.3	864.7	985.0	1096.9	1167.2	1103.0	955.2	804.7
55°	554.8	584.1	628.2	692.7	780.2	890.4	988.5	1014.1	919.8	770.8	649.1
57.5°	489.5	511.0	554.5	611.5	695.9	793.0	863.3	858.7	754.6	620.5	533.2
60°	446.3	465.6	507.1	559.5	639.7	726.8	776.1	755.1	649.6	539.1	455.1
62.5°	406.0	424.1	458.8	507.1	575.9	651.7	687.5	658.6	559.1	461.9	395.2
65°	345.1	358.1	386.0	430.5	484.5	536.9	569.0	526.4	438.4	365.0	314.6
67.5°	288.1	299.4	324.2	356.2	393.3	429.6	442.5	402.7	334.3	284.8	249.3
70°	251.2	261.7	278.4	308.3	333.0	358.7	365.0	329.3	272.2	234.4	212.4
72.5°	215.9	225.6	240.2	261.4	278.4	293.3	296.2	263.1	219.2	193.3	176.3
75°	164.6	173.1	182.5	190.4	201.4	204.0	202.9	177.2	153.6	136.3	126.9
77.5°	121.0	124.5	130.3	133.4	133.9	133.7	128.4	112.1	100.0	92.8	89.0
80°	93.3	95.9	97.6	98.6	99.1	93.8	88.1	78.2	73.9	69.8	65.0
82.5°	67.8	69.6	71.1	71.3	68.5	64.1	58.8	53.8	50.9	48.8	47.0
85°	36.7	37.3	36.7	34.1	30.4	28.9	27.8	26.8	26.3	25.7	25.7
87.5°	13.7	12.9	11.3	12.2	12.6	12.6	13.0	13.0	13.0	13.3	13.6
90°	3.6	6.0	8.3	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8
92.5°	33.3	34.9	36.6	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1
95°	85.7	86.3	86.8	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9
97.5°	141.7	142.0	142.2	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4
100°	183.4	183.4	183.4	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7
102.5°	229.6	230.8	232.0	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0
105°	300.1	301.5	303.1	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6
107.5°	377.7	379.1	380.6	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5
110°	431.1	432.6	434.0	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.9	485.6	486.5	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3
115°	565.7	566.9	568.0	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9
117.5°	645.8	646.3	646.8	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5
120°	697.0	698.5	699.9	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5
122.5°	750.6	751.1	751.6	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4
125°	825.7	827.5	829.2	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9
127.5°	903.5	904.5	905.5	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0
130°	951.2	952.6	954.1	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3
132.5°	999.3	1001.7	1004.0	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5
135°	1073.3	1075.0	1076.8	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8
137.5°	1143.5	1145.2	1146.8	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0
140°	1188.3	1189.7	1191.2	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5
142.5°	1233.1	1234.4	1235.6	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0
145°	1299.3	1300.5	1301.6	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4
147.5°	1360.1	1360.8	1361.4	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9
150°	1400.1	1399.8	1399.5	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3
152.5°	1434.3	1434.7	1435.1	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2
155°	1485.5	1485.5	1485.5	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1
157.5°	1531.0	1530.3	1529.6	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4
160°	1558.0	1557.1	1556.2	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5
162.5°	1582.4	1581.7	1581.0	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2
165°	1614.6	1614.0	1613.5	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2
167.5°	1641.2	1640.1	1638.9	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7
170°	1656.0	1654.8	1653.7	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4
172.5°	1666.4	1665.3	1664.1	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9
175°	1678.2	1677.1	1675.9	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6
177.5°	1684.5	1683.5	1682.6	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1333.1	1333.1	1340.3	1339.9	1344.5	1342.8	1343.6
5°	1433.1	1442.0	1449.9	1455.1	1463.0	1465.1	1464.0
7.5°	1536.7	1556.5	1566.2	1579.4	1581.9	1588.7	1588.0
10°	1600.9	1620.3	1635.0	1646.5	1652.3	1659.6	1660.1
12.5°	1651.2	1667.7	1680.7	1691.4	1698.4	1700.7	1702.1
15°	1690.6	1708.9	1724.1	1739.3	1748.3	1755.0	1758.8
17.5°	1730.2	1758.6	1785.3	1806.0	1818.5	1828.9	1828.8
20°	1760.8	1793.3	1826.9	1850.5	1874.6	1885.1	1886.7
22.5°	1793.5	1843.3	1886.5	1923.1	1954.8	1965.7	1969.7
25°	1861.5	1926.5	1993.2	2044.6	2081.2	2102.7	2105.9
27.5°	1943.6	2031.6	2101.7	2149.1	2179.6	2195.5	2199.0
30°	2001.6	2082.8	2145.8	2181.4	2195.5	2197.7	2189.8
32.5°	2027.5	2088.3	2113.4	2111.3	2083.6	2065.1	2058.0
35°	1995.8	1983.2	1921.8	1848.5	1792.3	1756.7	1747.2
37.5°	1816.2	1707.7	1594.8	1483.9	1424.8	1394.8	1343.2
40°	1639.2	1484.5	1367.1	1273.7	1207.1	1153.6	1141.0
42.5°	1439.5	1279.8	1162.4	1082.4	1029.3	992.5	976.5
45°	1156.8	1019.4	922.4	861.0	820.1	793.3	781.3
47.5°	925.2	818.9	748.2	702.8	671.7	648.3	641.9
50°	798.1	713.2	653.4	615.1	591.5	573.7	566.3
52.5°	693.2	624.6	578.7	547.1	524.8	513.7	507.6
55°	572.1	512.8	479.8	454.6	442.0	433.1	428.9
57.5°	467.9	425.1	400.9	383.5	371.9	366.2	364.2
60°	409.5	376.0	354.0	340.3	332.4	325.1	323.1
62.5°	357.9	331.5	314.5	302.6	294.7	291.5	290.3
65°	288.4	271.1	258.5	251.2	244.9	243.9	243.3
67.5°	229.2	219.0	212.5	204.8	202.6	198.9	198.2
70°	196.1	189.2	181.5	178.8	176.2	172.5	173.1
72.5°	166.3	159.6	154.2	150.7	149.8	148.1	149.6
75°	121.7	119.6	117.4	114.8	113.8	113.8	113.3
77.5°	86.8	85.0	82.7	81.2	80.9	78.7	79.5
80°	62.9	60.3	59.3	59.8	58.2	57.7	57.7
82.5°	46.6	45.6	44.5	44.6	44.3	43.8	44.2
85°	25.7	25.1	25.1	24.6	24.6	24.1	24.1
87.5°	14.3	15.0	14.4	14.1	14.3	14.9	15.6
90°	25.3	26.8	28.0	28.8	29.7	30.6	31.4
92.5°	56.0	58.0	59.3	59.9	60.6	61.2	61.8
95°	106.9	109.1	110.3	110.9	111.5	112.1	112.7
97.5°	166.3	168.2	169.5	169.8	170.2	170.5	170.9
100°	208.2	210.9	212.5	213.1	213.7	214.3	214.8
102.5°	250.9	253.8	255.6	256.4	257.2	258.0	258.8
105°	318.3	320.0	321.3	322.2	323.2	324.0	324.9
107.5°	391.4	392.3	392.7	392.6	392.5	392.5	392.4
110°	442.7	443.6	443.9	443.6	443.3	443.0	442.7



TEST NUMBER: P333693-840

CATALOG NUMBER: S125RDIW-S850D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	493.7	494.1	494.1	493.6	493.1	492.5	492.0
115°	571.6	571.3	571.0	570.7	570.4	570.2	569.9
117.5°	650.7	651.0	650.5	649.3	648.1	647.0	645.8
120°	703.5	703.5	702.9	701.7	700.5	699.3	698.2
122.5°	755.2	754.9	754.4	753.4	752.5	751.5	750.6
125°	831.4	830.8	830.4	830.1	829.8	829.5	829.2
127.5°	907.7	907.5	907.0	906.5	905.8	905.2	904.6
130°	958.1	957.8	957.3	956.7	956.1	955.5	954.9
132.5°	1006.2	1005.9	1005.4	1004.6	1003.7	1002.9	1002.1
135°	1080.8	1080.8	1080.2	1078.9	1077.8	1076.6	1075.5
137.5°	1153.3	1153.7	1153.1	1151.7	1150.1	1148.7	1147.3
140°	1199.0	1199.6	1199.2	1197.7	1196.3	1194.9	1193.4
142.5°	1243.4	1243.7	1243.2	1241.7	1240.3	1238.8	1237.4
145°	1307.4	1307.4	1306.9	1306.1	1305.1	1304.2	1303.4
147.5°	1367.6	1368.3	1367.7	1365.6	1363.7	1361.7	1359.8
150°	1404.3	1404.3	1404.0	1403.4	1402.8	1402.2	1401.7
152.5°	1439.9	1440.6	1440.5	1439.4	1438.4	1437.2	1436.2
155°	1490.3	1491.5	1491.3	1489.9	1488.4	1486.9	1485.5
157.5°	1533.5	1534.7	1534.3	1532.4	1530.5	1528.5	1526.6
160°	1559.7	1560.8	1560.7	1559.3	1557.8	1556.4	1554.9
162.5°	1584.5	1585.9	1585.8	1584.1	1582.4	1580.7	1579.0
165°	1617.4	1618.5	1618.2	1616.5	1614.8	1613.0	1611.2
167.5°	1642.4	1644.2	1644.2	1642.3	1640.5	1638.7	1636.9
170°	1657.1	1658.8	1658.7	1656.7	1654.7	1652.5	1650.5
172.5°	1667.6	1669.3	1669.3	1667.5	1665.7	1663.9	1662.0
175°	1679.4	1681.1	1680.9	1678.9	1676.9	1674.9	1672.8
177.5°	1684.4	1685.8	1685.7	1683.9	1682.3	1680.7	1679.1
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3

(END OF REPORT)