

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: P333575-840

Luminaire Tested: **S125RDIP-S850D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333575-840
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: S125RDIP-S850D1205U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7520.6 lumens
Efficiency: N/A
Efficacy: 132.2 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

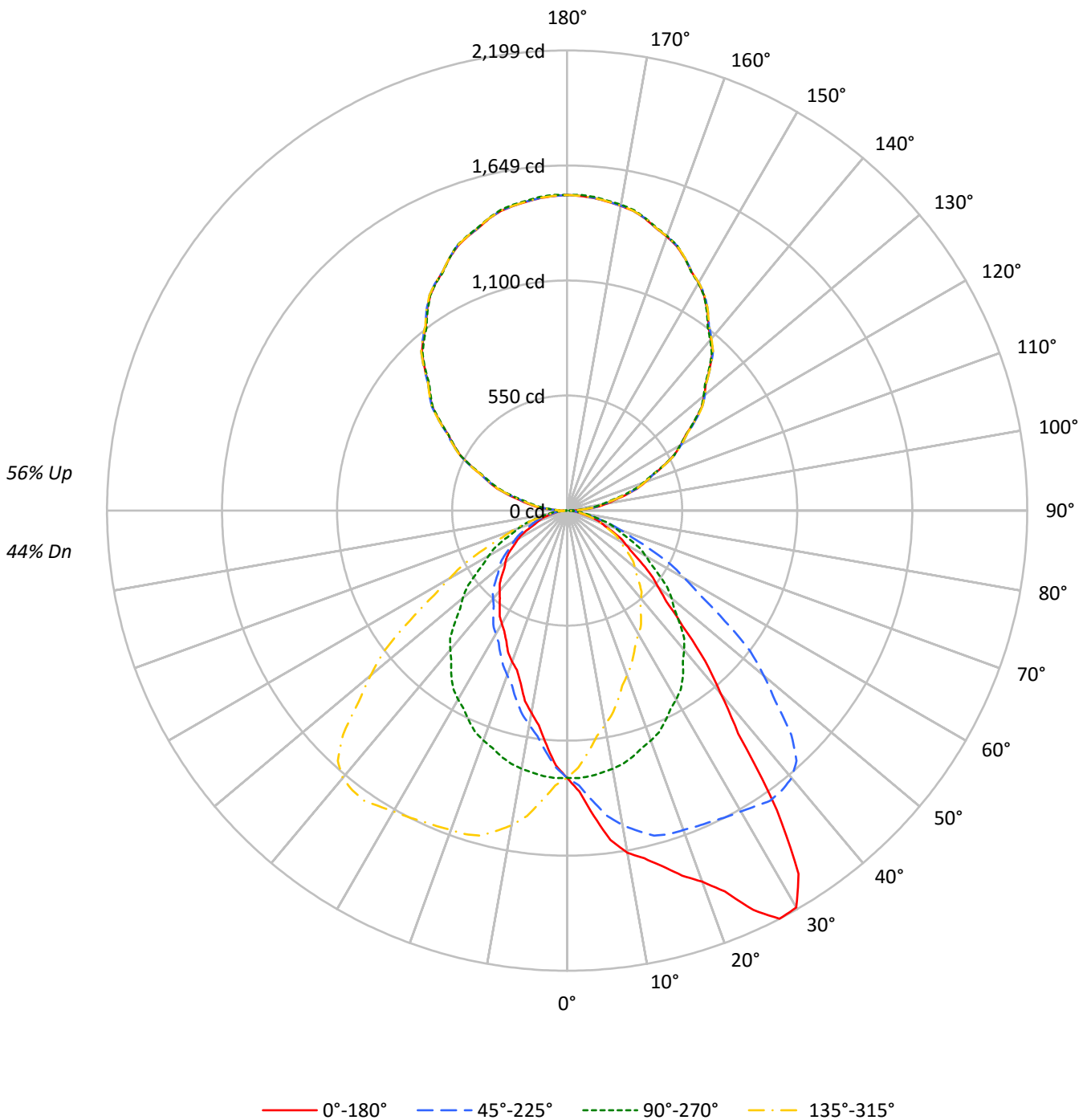
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

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	68	66	58	56	55	45	44	44	38
2	88	81	75	70	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	40	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	16
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	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°	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: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.6
10°-20°	359.0	4.8
20°-30°	569.2	7.6
30°-40°	686.4	9.1
40°-50°	613.0	8.2
50°-60°	470.0	6.3
60°-70°	305.5	4.1
70°-80°	148.5	2.0
80°-90°	38.7	0.5
90°-100°	101.0	1.3
100°-110°	298.2	4.0
110°-120°	505.2	6.7
120°-130°	664.8	8.8
130°-140°	745.0	9.9
140°-150°	730.1	9.7
150°-160°	613.2	8.2
160°-170°	407.6	5.4
170°-180°	142.7	1.9
0°-30°	1050.6	14.0
0°-40°	1737.0	23.1
0°-60°	2820.0	37.5
0°-90°	3312.8	44.0
90°-120°	904.4	12.0
90°-150°	3044.3	40.5
90°-180°	4208.0	56.0
0°-180°	7520.6	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	28
90°	28	1	28	1	28	17
95°	101	76	101	76	101	103
105°	291	268	291	268	291	308
115°	510	506	510	506	510	505
125°	743	738	743	738	743	663
135°	963	960	963	960	963	743
145°	1168	1163	1168	1163	1168	729
155°	1331	1331	1331	1331	1331	612
165°	1443	1447	1443	1447	1443	407
175°	1498	1504	1498	1504	1498	142
180°	1508	1508	1508	1508	1508	



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	14.8	14.2	13.7	13.5	13.8	14.4	13.7	13.1	12.8	12.5	12.6
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°	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5	46.8	45.0	42.8
95°	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0	92.2	90.4	87.8
97.5°	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3	145.6	143.9	140.3
100°	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2	181.9	179.6	176.1
102.5°	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2	219.6	217.1	215.4
105°	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6	282.1	280.4	278.9
107.5°	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8	349.1	348.3	347.1
110°	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9	395.1	394.3	393.5



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0	441.6	441.2	440.2
115°	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3	512.6	512.8	512.3
117.5°	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7	582.5	582.3	581.8
120°	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2	630.2	630.2	630.0
122.5°	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7	676.9	677.1	676.4
125°	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3	745.8	746.4	746.1
127.5°	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4	813.6	814.0	813.6
130°	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5	858.8	859.0	858.5
132.5°	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7	901.9	902.2	902.3
135°	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2	968.2	968.2	967.9
137.5°	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9	1032.5	1032.2	1031.7
140°	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6	1073.1	1072.6	1071.8
142.5°	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6	1113.3	1113.0	1112.0
145°	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1	1171.1	1171.1	1170.3
147.5°	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6	1223.9	1223.2	1222.6
150°	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0	1258.0	1258.0	1257.0
152.5°	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3	1288.7	1288.1	1287.7
155°	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0	1333.0	1331.9	1331.7
157.5°	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7	1371.7	1370.7	1370.4
160°	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2	1395.1	1394.1	1393.9
162.5°	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3	1416.9	1415.7	1415.6
165°	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8	1446.8	1445.7	1445.5
167.5°	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8	1468.2	1466.6	1466.6
170°	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9	1481.4	1479.8	1479.8
172.5°	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3	1490.8	1489.1	1489.1
175°	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9	1501.3	1499.8	1499.8
177.5°	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6	1506.4	1505.1	1505.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	12.6	12.3	12.3	12.0	11.1	12.8	13.6	13.6	13.2	12.8	12.4
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°	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4	29.9	31.3	32.8
95°	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2	76.7	77.4	77.9
97.5°	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7	126.9	127.1	127.3
100°	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
102.5°	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7	205.7	206.7	207.8
105°	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5	268.8	270.1	271.5
107.5°	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0	338.3	339.6	340.9
110°	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0	386.2	387.5	388.8



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7	434.4	435.0	435.8
115°	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7	506.9	507.9	508.9
117.5°	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0	578.6	579.1	579.5
120°	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1	624.4	625.7	627.0
122.5°	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0	672.5	672.9	673.4
125°	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1	739.7	741.2	742.9
127.5°	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6	809.4	810.3	811.2
130°	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8	852.1	853.4	854.7
132.5°	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0	895.1	897.4	899.5
135°	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0	961.5	963.1	964.6
137.5°	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8	1024.3	1025.8	1027.3
140°	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2	1064.5	1065.8	1067.1
142.5°	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6	1104.7	1105.8	1106.8
145°	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0	1164.0	1165.1	1166.1
147.5°	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9	1218.4	1219.0	1219.6
150°	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5	1254.3	1253.9	1253.7
152.5°	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5	1284.9	1285.3	1285.7
155°	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1	1371.5	1370.9	1370.4
160°	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4	1395.7	1394.9	1394.1
162.5°	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1	1417.5	1416.9	1416.3
165°	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9	1446.4	1445.9	1445.4
167.5°	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4	1470.3	1469.3	1468.2
170°	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5	1483.5	1482.4	1481.4
172.5°	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9	1492.9	1491.8	1490.8
175°	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4	1503.4	1502.4	1501.3
177.5°	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8	1509.0	1508.1	1507.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	12.4	12.8	12.7	13.9	13.0	13.8	14.0	13.9	14.1	14.4	14.2
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°	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5	50.2	51.9	53.1
95°	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0	95.8	97.7	98.9
97.5°	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3	149.1	150.8	151.8
100°	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2	186.6	188.9	190.4
102.5°	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2	224.8	227.3	228.9
105°	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6	285.2	286.7	287.9
107.5°	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8	350.6	351.4	351.8
110°	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9	396.7	397.4	397.7



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0	442.3	442.7	442.6
115°	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3	512.0	511.8	511.5
117.5°	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7	582.9	583.1	582.7
120°	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2	630.2	630.2	629.7
122.5°	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7	676.5	676.3	675.8
125°	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3	744.8	744.3	743.9
127.5°	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4	813.1	812.9	812.5
130°	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5	858.2	858.0	857.6
132.5°	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7	901.4	901.1	900.7
135°	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2	968.2	968.2	967.7
137.5°	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9	1033.2	1033.5	1033.0
140°	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6	1074.2	1074.7	1074.3
142.5°	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6	1113.9	1114.2	1113.7
145°	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1	1171.1	1171.1	1170.7
147.5°	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6	1225.2	1225.8	1225.2
150°	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0	1258.0	1258.0	1257.8
152.5°	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3	1289.9	1290.5	1290.4
155°	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0	1335.0	1336.2	1336.0
157.5°	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7	1373.8	1374.8	1374.5
160°	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2	1397.2	1398.3	1398.2
162.5°	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3	1419.5	1420.8	1420.6
165°	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8	1448.9	1450.0	1449.7
167.5°	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8	1471.4	1472.9	1472.9
170°	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9	1484.5	1486.0	1485.9
172.5°	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3	1493.9	1495.4	1495.4
175°	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9	1504.4	1506.0	1505.9
177.5°	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6	1508.9	1510.2	1510.1
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	14.8	14.5	14.7	14.8	14.7	14.5	14.8	14.2	14.4	14.1	13.9
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°	53.6	54.2	54.8	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5
95°	99.4	99.9	100.4	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0
97.5°	152.1	152.4	152.7	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3
100°	190.9	191.4	192.0	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2
102.5°	229.7	230.5	231.2	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2
105°	288.7	289.4	290.2	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6
107.5°	351.7	351.7	351.6	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8
110°	397.4	397.2	396.9	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	442.2	441.7	441.2	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0
115°	511.3	511.0	510.7	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3
117.5°	581.7	580.7	579.6	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7
120°	628.6	627.5	626.5	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2
122.5°	674.9	674.1	673.3	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7
125°	743.7	743.4	743.1	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3
127.5°	812.0	811.4	810.9	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4
130°	857.1	856.6	856.0	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5
132.5°	899.9	899.2	898.5	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7
135°	966.5	965.5	964.5	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2
137.5°	1031.7	1030.4	1029.1	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9
140°	1073.0	1071.7	1070.4	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6
142.5°	1112.4	1111.2	1109.8	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6
145°	1170.0	1169.2	1168.4	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1
147.5°	1223.5	1221.6	1219.9	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6
150°	1257.2	1256.7	1256.2	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0
152.5°	1289.5	1288.5	1287.6	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3
155°	1334.6	1333.3	1332.1	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0
157.5°	1372.8	1371.1	1369.4	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7
160°	1396.8	1395.5	1394.2	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2
162.5°	1419.1	1417.5	1416.0	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3
165°	1448.1	1446.5	1445.0	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8
167.5°	1471.3	1469.7	1468.0	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8
170°	1484.1	1482.3	1480.5	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9
172.5°	1493.8	1492.2	1490.6	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3
175°	1504.1	1502.3	1500.4	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9
177.5°	1508.6	1507.1	1505.7	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	14.0	13.8	13.0	13.9	12.7	12.8	12.4	12.4	12.8	13.2	13.6
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°	46.8	45.0	42.8	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4
95°	92.2	90.4	87.8	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2
97.5°	145.6	143.9	140.3	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7
100°	181.9	179.6	176.1	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3
102.5°	219.6	217.1	215.4	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7
105°	282.1	280.4	278.9	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5
107.5°	349.1	348.3	347.1	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0
110°	395.1	394.3	393.5	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	441.6	441.2	440.2	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7
115°	512.6	512.8	512.3	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7
117.5°	582.5	582.3	581.8	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0
120°	630.2	630.2	630.0	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1
122.5°	676.9	677.1	676.4	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0
125°	745.8	746.4	746.1	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1
127.5°	813.6	814.0	813.6	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6
130°	858.8	859.0	858.5	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8
132.5°	901.9	902.2	902.3	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0
135°	968.2	968.2	967.9	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0
137.5°	1032.5	1032.2	1031.7	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8
140°	1073.1	1072.6	1071.8	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2
142.5°	1113.3	1113.0	1112.0	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6
145°	1171.1	1171.1	1170.3	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0
147.5°	1223.9	1223.2	1222.6	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9
150°	1258.0	1258.0	1257.0	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5
152.5°	1288.7	1288.1	1287.7	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5
155°	1333.0	1331.9	1331.7	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1371.7	1370.7	1370.4	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1
160°	1395.1	1394.1	1393.9	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4
162.5°	1416.9	1415.7	1415.6	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1
165°	1446.8	1445.7	1445.5	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9
167.5°	1468.2	1466.6	1466.6	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4
170°	1481.4	1479.8	1479.8	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5
172.5°	1490.8	1489.1	1489.1	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9
175°	1501.3	1499.8	1499.8	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4
177.5°	1506.4	1505.1	1505.3	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	13.6	12.8	11.1	12.0	12.3	12.3	12.6	12.6	12.5	12.8	13.1
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°	29.9	31.3	32.8	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5
95°	76.7	77.4	77.9	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0
97.5°	126.9	127.1	127.3	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3
100°	164.3	164.3	164.3	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2
102.5°	205.7	206.7	207.8	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2
105°	268.8	270.1	271.5	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6
107.5°	338.3	339.6	340.9	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8
110°	386.2	387.5	388.8	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.4	435.0	435.8	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0
115°	506.9	507.9	508.9	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3
117.5°	578.6	579.1	579.5	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7
120°	624.4	625.7	627.0	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2
122.5°	672.5	672.9	673.4	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7
125°	739.7	741.2	742.9	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3
127.5°	809.4	810.3	811.2	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4
130°	852.1	853.4	854.7	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5
132.5°	895.1	897.4	899.5	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7
135°	961.5	963.1	964.6	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2
137.5°	1024.3	1025.8	1027.3	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9
140°	1064.5	1065.8	1067.1	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6
142.5°	1104.7	1105.8	1106.8	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6
145°	1164.0	1165.1	1166.1	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1
147.5°	1218.4	1219.0	1219.6	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6
150°	1254.3	1253.9	1253.7	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0
152.5°	1284.9	1285.3	1285.7	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3
155°	1330.8	1330.8	1330.8	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0
157.5°	1371.5	1370.9	1370.4	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7
160°	1395.7	1394.9	1394.1	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2
162.5°	1417.5	1416.9	1416.3	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3
165°	1446.4	1445.9	1445.4	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8
167.5°	1470.3	1469.3	1468.2	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8
170°	1483.5	1482.4	1481.4	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9
172.5°	1492.9	1491.8	1490.8	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3
175°	1503.4	1502.4	1501.3	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9
177.5°	1509.0	1508.1	1507.3	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-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°	13.7	14.4	13.8	13.5	13.7	14.2	14.8
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	50.2	51.9	53.1	53.6	54.2	54.8	55.3
95°	95.8	97.7	98.9	99.4	99.9	100.4	100.9
97.5°	149.1	150.8	151.8	152.1	152.4	152.7	153.0
100°	186.6	188.9	190.4	190.9	191.4	192.0	192.5
102.5°	224.8	227.3	228.9	229.7	230.5	231.2	231.9
105°	285.2	286.7	287.9	288.7	289.4	290.2	291.0
107.5°	350.6	351.4	351.8	351.7	351.7	351.6	351.5
110°	396.7	397.4	397.7	397.4	397.2	396.9	396.7



TEST NUMBER: P333575-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	442.3	442.7	442.6	442.2	441.7	441.2	440.8
115°	512.0	511.8	511.5	511.3	511.0	510.7	510.5
117.5°	582.9	583.1	582.7	581.7	580.7	579.6	578.6
120°	630.2	630.2	629.7	628.6	627.5	626.5	625.5
122.5°	676.5	676.3	675.8	674.9	674.1	673.3	672.5
125°	744.8	744.3	743.9	743.7	743.4	743.1	742.9
127.5°	813.1	812.9	812.5	812.0	811.4	810.9	810.4
130°	858.2	858.0	857.6	857.1	856.6	856.0	855.5
132.5°	901.4	901.1	900.7	899.9	899.2	898.5	897.8
135°	968.2	968.2	967.7	966.5	965.5	964.5	963.4
137.5°	1033.2	1033.5	1033.0	1031.7	1030.4	1029.1	1027.7
140°	1074.2	1074.7	1074.3	1073.0	1071.7	1070.4	1069.0
142.5°	1113.9	1114.2	1113.7	1112.4	1111.2	1109.8	1108.5
145°	1171.1	1171.1	1170.7	1170.0	1169.2	1168.4	1167.6
147.5°	1225.2	1225.8	1225.2	1223.5	1221.6	1219.9	1218.1
150°	1258.0	1258.0	1257.8	1257.2	1256.7	1256.2	1255.7
152.5°	1289.9	1290.5	1290.4	1289.5	1288.5	1287.6	1286.7
155°	1335.0	1336.2	1336.0	1334.6	1333.3	1332.1	1330.8
157.5°	1373.8	1374.8	1374.5	1372.8	1371.1	1369.4	1367.7
160°	1397.2	1398.3	1398.2	1396.8	1395.5	1394.2	1393.0
162.5°	1419.5	1420.8	1420.6	1419.1	1417.5	1416.0	1414.5
165°	1448.9	1450.0	1449.7	1448.1	1446.5	1445.0	1443.4
167.5°	1471.4	1472.9	1472.9	1471.3	1469.7	1468.0	1466.4
170°	1484.5	1486.0	1485.9	1484.1	1482.3	1480.5	1478.6
172.5°	1493.9	1495.4	1495.4	1493.8	1492.2	1490.6	1488.9
175°	1504.4	1506.0	1505.9	1504.1	1502.3	1500.4	1498.5
177.5°	1508.9	1510.2	1510.1	1508.6	1507.1	1505.7	1504.2
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9

(END OF REPORT)