

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: P333413-840

Luminaire Tested: **S125DIW-S850D1050U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333413-840
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: S125DIW-S850D1050U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7158.2 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

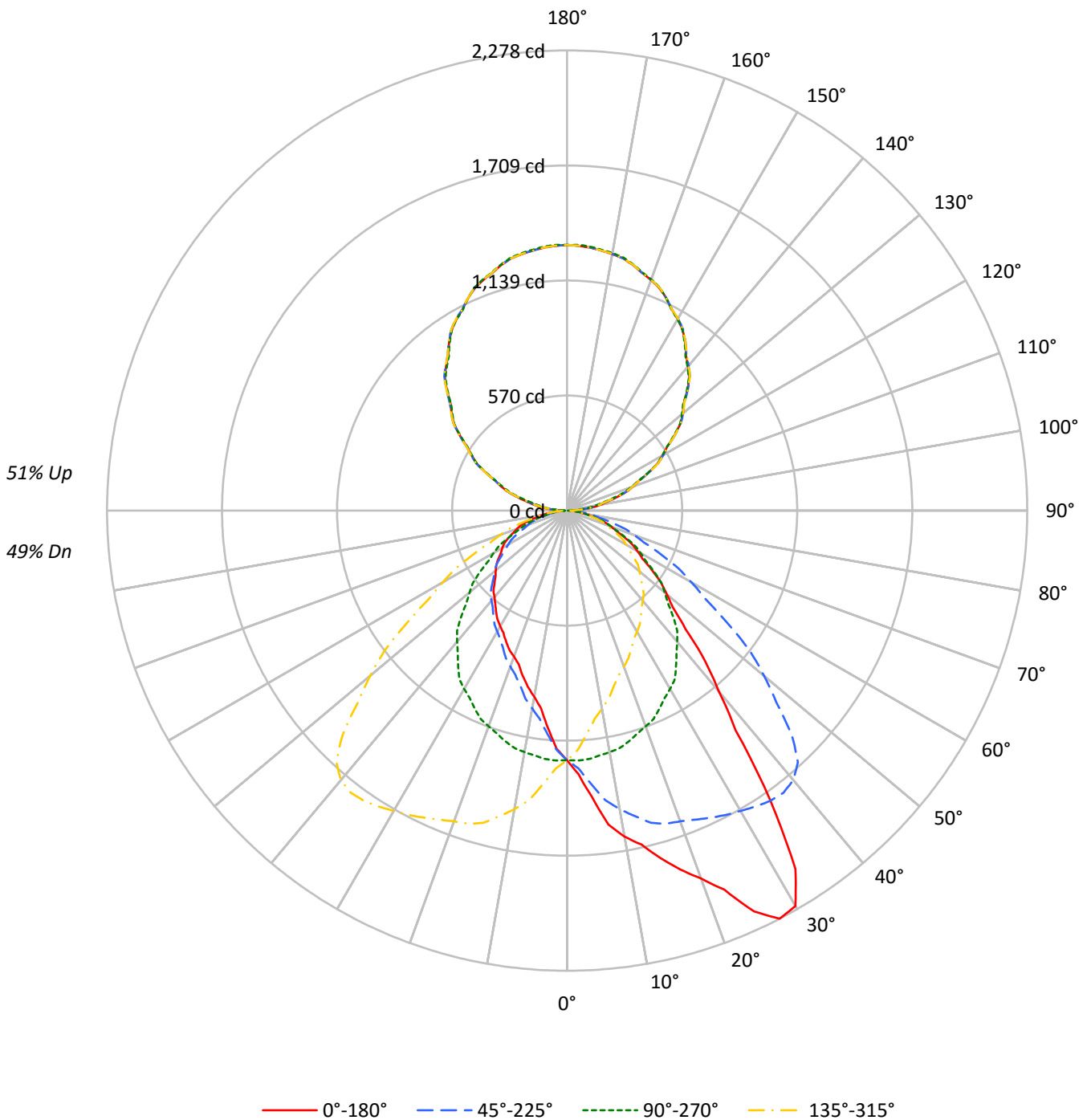
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.7
10°-20°	354.1	4.9
20°-30°	575.0	8.0
30°-40°	701.4	9.8
40°-50°	638.1	8.9
50°-60°	508.2	7.1
60°-70°	354.0	4.9
70°-80°	188.8	2.6
80°-90°	50.5	0.7
90°-100°	88.1	1.2
100°-110°	260.1	3.6
110°-120°	440.5	6.2
120°-130°	579.7	8.1
130°-140°	649.6	9.1
140°-150°	636.6	8.9
150°-160°	534.7	7.5
160°-170°	355.4	5.0
170°-180°	124.4	1.7
0°-30°	1048.1	14.6
0°-40°	1749.5	24.4
0°-60°	2895.8	40.5
0°-90°	3489.0	48.7
90°-120°	788.6	11.0
90°-150°	2654.6	37.1
90°-180°	3669.0	51.3
0°-180°	7158.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	41
90°	24	1	24	1	24	15
95°	88	67	88	67	88	90
105°	254	233	254	233	254	269
115°	445	441	445	441	445	440
125°	648	644	648	644	648	578
135°	840	837	840	837	840	648
145°	1018	1014	1018	1014	1018	636
155°	1160	1160	1160	1160	1160	534
165°	1259	1262	1259	1262	1259	355
175°	1307	1312	1307	1312	1307	124
180°	1315	1315	1315	1315	1315	



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	14.9	15.7	16.0	15.9	16.2	16.0	17.4	17.2	18.2	19.2	20.6
90°	24.5	23.8	23.2	22.5	21.8	20.9	19.8	18.7	17.5	16.4	14.7
92.5°	48.3	47.8	47.3	46.8	46.3	45.3	43.8	42.3	40.8	39.3	37.4
95°	88.0	87.6	87.1	86.6	86.1	85.1	83.5	82.0	80.4	78.8	76.5
97.5°	133.4	133.2	132.9	132.6	132.3	131.5	130.0	128.5	126.9	125.4	122.3
100°	167.8	167.3	166.9	166.4	166.0	164.7	162.7	160.7	158.6	156.5	153.6
102.5°	202.2	201.6	201.0	200.3	199.7	198.2	196.0	193.8	191.6	189.3	187.8
105°	253.8	253.1	252.4	251.8	251.1	250.0	248.6	247.3	245.9	244.6	243.2
107.5°	306.6	306.6	306.7	306.7	306.8	306.4	305.8	305.1	304.4	303.7	302.7
110°	345.9	346.1	346.3	346.6	346.8	346.6	345.9	345.2	344.5	343.9	343.2



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	384.4	384.8	385.2	385.6	386.0	386.0	385.7	385.4	385.1	384.8	383.8
115°	445.1	445.4	445.6	445.8	446.1	446.3	446.5	446.7	447.0	447.2	446.7
117.5°	504.4	505.3	506.2	507.2	508.1	508.5	508.3	508.1	508.0	507.8	507.4
120°	545.4	546.3	547.2	548.2	549.1	549.5	549.5	549.5	549.5	549.5	549.3
122.5°	586.3	587.0	587.7	588.5	589.3	589.7	589.9	590.1	590.3	590.5	589.9
125°	647.7	647.9	648.1	648.4	648.6	648.9	649.4	649.8	650.4	650.8	650.6
127.5°	706.7	707.1	707.6	708.0	708.5	708.8	709.0	709.2	709.5	709.7	709.4
130°	746.0	746.4	746.9	747.3	747.8	748.1	748.3	748.6	748.8	749.0	748.6
132.5°	782.7	783.5	784.1	784.7	785.4	785.8	786.0	786.2	786.5	786.7	786.8
135°	840.1	841.0	841.9	842.8	843.7	844.1	844.1	844.1	844.1	844.1	843.9
137.5°	896.2	897.3	898.5	899.6	900.7	901.1	900.9	900.6	900.3	900.1	899.6
140°	932.2	933.3	934.4	935.6	936.8	937.1	936.6	936.1	935.7	935.2	934.5
142.5°	966.5	967.8	968.9	970.0	971.1	971.6	971.3	971.0	970.7	970.5	969.6
145°	1018.1	1018.9	1019.5	1020.2	1020.9	1021.2	1021.2	1021.2	1021.2	1021.2	1020.6
147.5°	1062.2	1063.7	1065.2	1066.8	1068.3	1068.8	1068.2	1067.7	1067.2	1066.6	1066.1
150°	1094.9	1095.3	1095.8	1096.2	1096.7	1096.9	1096.9	1096.9	1096.9	1096.9	1096.0
152.5°	1121.9	1122.7	1123.6	1124.4	1125.2	1125.3	1124.8	1124.2	1123.7	1123.2	1122.8
155°	1160.3	1161.5	1162.7	1163.8	1164.9	1165.1	1164.2	1163.3	1162.4	1161.4	1161.1
157.5°	1192.5	1194.0	1195.5	1197.0	1198.5	1198.8	1197.9	1197.0	1196.1	1195.2	1195.0
160°	1214.6	1215.8	1216.9	1218.0	1219.1	1219.3	1218.4	1217.5	1216.6	1215.7	1215.4
162.5°	1233.4	1234.8	1236.1	1237.4	1238.7	1238.8	1237.7	1236.7	1235.6	1234.5	1234.5
165°	1258.6	1260.0	1261.3	1262.7	1264.0	1264.3	1263.3	1262.4	1261.5	1260.6	1260.4
167.5°	1278.7	1280.1	1281.5	1282.9	1284.3	1284.3	1282.9	1281.6	1280.2	1278.9	1278.9
170°	1289.3	1290.9	1292.5	1294.0	1295.7	1295.8	1294.4	1293.0	1291.7	1290.3	1290.3
172.5°	1298.3	1299.7	1301.1	1302.5	1303.9	1303.9	1302.6	1301.2	1299.9	1298.5	1298.5
175°	1306.7	1308.3	1309.9	1311.5	1313.0	1313.2	1311.8	1310.4	1309.1	1307.7	1307.7
177.5°	1311.6	1312.9	1314.1	1315.5	1316.7	1316.8	1315.8	1314.6	1313.5	1312.4	1312.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	21.1	19.9	18.0	16.4	13.8	12.2	11.5	11.5	10.6	10.6	11.4
90°	13.2	11.6	10.0	8.3	6.5	4.6	2.8	1.0	2.8	4.6	6.5
92.5°	35.3	33.4	31.5	29.9	28.6	27.3	26.1	24.7	26.1	27.3	28.6
95°	74.2	72.0	69.7	68.4	67.9	67.5	67.0	66.6	67.0	67.5	67.9
97.5°	119.2	116.0	112.9	111.3	111.1	110.9	110.7	110.5	110.7	110.9	111.1
100°	150.7	147.6	144.7	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3
102.5°	186.3	184.8	183.3	182.1	181.2	180.3	179.4	178.4	179.4	180.3	181.2
105°	241.9	240.4	239.1	237.8	236.7	235.6	234.4	233.3	234.4	235.6	236.7
107.5°	301.6	300.5	299.5	298.4	297.3	296.2	295.0	293.9	295.0	296.2	297.3
110°	342.4	341.7	341.1	340.2	339.0	337.9	336.8	335.6	336.8	337.9	339.0



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	383.0	382.1	381.3	380.5	380.0	379.4	378.8	378.2	378.8	379.4	380.0
115°	446.3	445.8	445.4	444.6	443.7	442.8	441.9	441.0	441.9	442.8	443.7
117.5°	507.0	506.5	506.1	505.7	505.2	504.8	504.4	504.0	504.4	504.8	505.2
120°	549.1	548.8	548.6	547.9	546.7	545.6	544.5	543.3	544.5	545.6	546.7
122.5°	589.3	588.7	588.0	587.5	587.1	586.7	586.3	585.9	586.3	586.7	587.1
125°	650.4	650.2	649.8	649.0	647.7	646.3	645.0	643.6	645.0	646.3	647.7
127.5°	709.2	708.9	708.6	708.1	707.3	706.6	705.8	705.0	705.8	706.6	707.3
130°	748.1	747.7	747.2	746.4	745.3	744.2	743.0	741.8	743.0	744.2	745.3
132.5°	786.9	787.0	787.1	786.2	784.3	782.4	780.5	778.7	780.5	782.4	784.3
135°	843.7	843.5	843.2	842.5	841.1	839.7	838.4	837.0	838.4	839.7	841.1
137.5°	899.1	898.6	898.1	897.2	895.9	894.5	893.2	891.9	893.2	894.5	895.9
140°	933.9	933.2	932.5	931.6	930.5	929.4	928.2	927.1	928.2	929.4	930.5
142.5°	968.8	967.9	967.0	966.1	965.1	964.2	963.2	962.3	963.2	964.2	965.1
145°	1019.9	1019.2	1018.4	1017.6	1016.7	1015.8	1014.9	1014.0	1014.9	1015.8	1016.7
147.5°	1065.5	1065.0	1064.5	1063.9	1063.4	1063.0	1062.5	1062.0	1062.5	1063.0	1063.4
150°	1095.1	1094.2	1093.3	1093.0	1093.2	1093.4	1093.7	1093.9	1093.7	1093.4	1093.2
152.5°	1122.4	1122.1	1121.7	1121.4	1121.1	1120.6	1120.3	1120.0	1120.3	1120.6	1121.1
155°	1160.9	1160.7	1160.4	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3	1160.3
157.5°	1194.7	1194.5	1194.3	1194.4	1194.9	1195.4	1195.9	1196.4	1195.9	1195.4	1194.9
160°	1215.2	1215.0	1214.8	1215.0	1215.7	1216.3	1217.0	1217.7	1217.0	1216.3	1215.7
162.5°	1234.4	1234.4	1234.3	1234.5	1235.0	1235.5	1236.0	1236.5	1236.0	1235.5	1235.0
165°	1260.2	1260.0	1259.7	1259.8	1260.3	1260.7	1261.2	1261.7	1261.2	1260.7	1260.3
167.5°	1278.9	1278.9	1278.9	1279.3	1280.2	1281.1	1282.0	1282.9	1282.0	1281.1	1280.2
170°	1290.3	1290.3	1290.3	1290.8	1291.7	1292.6	1293.5	1294.4	1293.5	1292.6	1291.7
172.5°	1298.5	1298.5	1298.5	1299.0	1299.9	1300.8	1301.7	1302.6	1301.7	1300.8	1299.9
175°	1307.7	1307.7	1307.7	1308.2	1309.1	1310.0	1310.9	1311.8	1310.9	1310.0	1309.1
177.5°	1312.8	1312.9	1313.1	1313.6	1314.3	1315.0	1315.8	1316.6	1315.8	1315.0	1314.3
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	12.1	13.3	13.2	13.9	14.2	15.5	15.2	17.2	18.2	19.3	19.1
90°	8.3	10.0	11.6	13.2	14.7	16.4	17.5	18.7	19.8	20.9	21.8
92.5°	29.9	31.5	33.4	35.3	37.4	39.3	40.8	42.3	43.8	45.3	46.3
95°	68.4	69.7	72.0	74.2	76.5	78.8	80.4	82.0	83.5	85.1	86.1
97.5°	111.3	112.9	116.0	119.2	122.3	125.4	126.9	128.5	130.0	131.5	132.3
100°	143.3	144.7	147.6	150.7	153.6	156.5	158.6	160.7	162.7	164.7	166.0
102.5°	182.1	183.3	184.8	186.3	187.8	189.3	191.6	193.8	196.0	198.2	199.7
105°	237.8	239.1	240.4	241.9	243.2	244.6	245.9	247.3	248.6	250.0	251.1
107.5°	298.4	299.5	300.5	301.6	302.7	303.7	304.4	305.1	305.8	306.4	306.8
110°	340.2	341.1	341.7	342.4	343.2	343.9	344.5	345.2	345.9	346.6	346.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.5	381.3	382.1	383.0	383.8	384.8	385.1	385.4	385.7	386.0	386.0
115°	444.6	445.4	445.8	446.3	446.7	447.2	447.0	446.7	446.5	446.3	446.1
117.5°	505.7	506.1	506.5	507.0	507.4	507.8	508.0	508.1	508.3	508.5	508.1
120°	547.9	548.6	548.8	549.1	549.3	549.5	549.5	549.5	549.5	549.5	549.1
122.5°	587.5	588.0	588.7	589.3	589.9	590.5	590.3	590.1	589.9	589.7	589.3
125°	649.0	649.8	650.2	650.4	650.6	650.8	650.4	649.8	649.4	648.9	648.6
127.5°	708.1	708.6	708.9	709.2	709.4	709.7	709.5	709.2	709.0	708.8	708.5
130°	746.4	747.2	747.7	748.1	748.6	749.0	748.8	748.6	748.3	748.1	747.8
132.5°	786.2	787.1	787.0	786.9	786.8	786.7	786.5	786.2	786.0	785.8	785.4
135°	842.5	843.2	843.5	843.7	843.9	844.1	844.1	844.1	844.1	844.1	843.7
137.5°	897.2	898.1	898.6	899.1	899.6	900.1	900.3	900.6	900.9	901.1	900.7
140°	931.6	932.5	933.2	933.9	934.5	935.2	935.7	936.1	936.6	937.1	936.8
142.5°	966.1	967.0	967.9	968.8	969.6	970.5	970.7	971.0	971.3	971.6	971.1
145°	1017.6	1018.4	1019.2	1019.9	1020.6	1021.2	1021.2	1021.2	1021.2	1021.2	1020.9
147.5°	1063.9	1064.5	1065.0	1065.5	1066.1	1066.6	1067.2	1067.7	1068.2	1068.8	1068.3
150°	1093.0	1093.3	1094.2	1095.1	1096.0	1096.9	1096.9	1096.9	1096.9	1096.9	1096.7
152.5°	1121.4	1121.7	1122.1	1122.4	1122.8	1123.2	1123.7	1124.2	1124.8	1125.3	1125.2
155°	1160.3	1160.4	1160.7	1160.9	1161.1	1161.4	1162.4	1163.3	1164.2	1165.1	1164.9
157.5°	1194.4	1194.3	1194.5	1194.7	1195.0	1195.2	1196.1	1197.0	1197.9	1198.8	1198.5
160°	1215.0	1214.8	1215.0	1215.2	1215.4	1215.7	1216.6	1217.5	1218.4	1219.3	1219.1
162.5°	1234.5	1234.3	1234.4	1234.4	1234.5	1234.5	1235.6	1236.7	1237.7	1238.8	1238.7
165°	1259.8	1259.7	1260.0	1260.2	1260.4	1260.6	1261.5	1262.4	1263.3	1264.3	1264.0
167.5°	1279.3	1278.9	1278.9	1278.9	1278.9	1278.9	1280.2	1281.6	1282.9	1284.3	1284.3
170°	1290.8	1290.3	1290.3	1290.3	1290.3	1290.3	1291.7	1293.0	1294.4	1295.8	1295.7
172.5°	1299.0	1298.5	1298.5	1298.5	1298.5	1298.5	1299.9	1301.2	1302.6	1303.9	1303.9
175°	1308.2	1307.7	1307.7	1307.7	1307.7	1307.7	1309.1	1310.4	1311.8	1313.2	1313.0
177.5°	1313.6	1313.1	1312.9	1312.8	1312.6	1312.4	1313.5	1314.6	1315.8	1316.8	1316.7
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	20.0	19.7	19.9	20.8	19.9	19.7	20.0	19.1	19.3	18.2	17.2
90°	22.5	23.2	23.8	24.5	23.8	23.2	22.5	21.8	20.9	19.8	18.7
92.5°	46.8	47.3	47.8	48.3	47.8	47.3	46.8	46.3	45.3	43.8	42.3
95°	86.6	87.1	87.6	88.0	87.6	87.1	86.6	86.1	85.1	83.5	82.0
97.5°	132.6	132.9	133.2	133.4	133.2	132.9	132.6	132.3	131.5	130.0	128.5
100°	166.4	166.9	167.3	167.8	167.3	166.9	166.4	166.0	164.7	162.7	160.7
102.5°	200.3	201.0	201.6	202.2	201.6	201.0	200.3	199.7	198.2	196.0	193.8
105°	251.8	252.4	253.1	253.8	253.1	252.4	251.8	251.1	250.0	248.6	247.3
107.5°	306.7	306.7	306.6	306.6	306.6	306.7	306.7	306.8	306.4	305.8	305.1
110°	346.6	346.3	346.1	345.9	346.1	346.3	346.6	346.8	346.6	345.9	345.2



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	385.6	385.2	384.8	384.4	384.8	385.2	385.6	386.0	386.0	385.7	385.4
115°	445.8	445.6	445.4	445.1	445.4	445.6	445.8	446.1	446.3	446.5	446.7
117.5°	507.2	506.2	505.3	504.4	505.3	506.2	507.2	508.1	508.5	508.3	508.1
120°	548.2	547.2	546.3	545.4	546.3	547.2	548.2	549.1	549.5	549.5	549.5
122.5°	588.5	587.7	587.0	586.3	587.0	587.7	588.5	589.3	589.7	589.9	590.1
125°	648.4	648.1	647.9	647.7	647.9	648.1	648.4	648.6	648.9	649.4	649.8
127.5°	708.0	707.6	707.1	706.7	707.1	707.6	708.0	708.5	708.8	709.0	709.2
130°	747.3	746.9	746.4	746.0	746.4	746.9	747.3	747.8	748.1	748.3	748.6
132.5°	784.7	784.1	783.5	782.7	783.5	784.1	784.7	785.4	785.8	786.0	786.2
135°	842.8	841.9	841.0	840.1	841.0	841.9	842.8	843.7	844.1	844.1	844.1
137.5°	899.6	898.5	897.3	896.2	897.3	898.5	899.6	900.7	901.1	900.9	900.6
140°	935.6	934.4	933.3	932.2	933.3	934.4	935.6	936.8	937.1	936.6	936.1
142.5°	970.0	968.9	967.8	966.5	967.8	968.9	970.0	971.1	971.6	971.3	971.0
145°	1020.2	1019.5	1018.9	1018.1	1018.9	1019.5	1020.2	1020.9	1021.2	1021.2	1021.2
147.5°	1066.8	1065.2	1063.7	1062.2	1063.7	1065.2	1066.8	1068.3	1068.8	1068.2	1067.7
150°	1096.2	1095.8	1095.3	1094.9	1095.3	1095.8	1096.2	1096.7	1096.9	1096.9	1096.9
152.5°	1124.4	1123.6	1122.7	1121.9	1122.7	1123.6	1124.4	1125.2	1125.3	1124.8	1124.2
155°	1163.8	1162.7	1161.5	1160.3	1161.5	1162.7	1163.8	1164.9	1165.1	1164.2	1163.3
157.5°	1197.0	1195.5	1194.0	1192.5	1194.0	1195.5	1197.0	1198.5	1198.8	1197.9	1197.0
160°	1218.0	1216.9	1215.8	1214.6	1215.8	1216.9	1218.0	1219.1	1219.3	1218.4	1217.5
162.5°	1237.4	1236.1	1234.8	1233.4	1234.8	1236.1	1237.4	1238.7	1238.8	1237.7	1236.7
165°	1262.7	1261.3	1260.0	1258.6	1260.0	1261.3	1262.7	1264.0	1264.3	1263.3	1262.4
167.5°	1282.9	1281.5	1280.1	1278.7	1280.1	1281.5	1282.9	1284.3	1284.3	1282.9	1281.6
170°	1294.0	1292.5	1290.9	1289.3	1290.9	1292.5	1294.0	1295.7	1295.8	1294.4	1293.0
172.5°	1302.5	1301.1	1299.7	1298.3	1299.7	1301.1	1302.5	1303.9	1303.9	1302.6	1301.2
175°	1311.5	1309.9	1308.3	1306.7	1308.3	1309.9	1311.5	1313.0	1313.2	1311.8	1310.4
177.5°	1315.5	1314.1	1312.9	1311.6	1312.9	1314.1	1315.5	1316.7	1316.8	1315.8	1314.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	15.2	15.5	14.2	13.9	13.2	13.3	12.1	11.4	10.6	10.6	11.5
90°	17.5	16.4	14.7	13.2	11.6	10.0	8.3	6.5	4.6	2.8	1.0
92.5°	40.8	39.3	37.4	35.3	33.4	31.5	29.9	28.6	27.3	26.1	24.7
95°	80.4	78.8	76.5	74.2	72.0	69.7	68.4	67.9	67.5	67.0	66.6
97.5°	126.9	125.4	122.3	119.2	116.0	112.9	111.3	111.1	110.9	110.7	110.5
100°	158.6	156.5	153.6	150.7	147.6	144.7	143.3	143.3	143.3	143.3	143.3
102.5°	191.6	189.3	187.8	186.3	184.8	183.3	182.1	181.2	180.3	179.4	178.4
105°	245.9	244.6	243.2	241.9	240.4	239.1	237.8	236.7	235.6	234.4	233.3
107.5°	304.4	303.7	302.7	301.6	300.5	299.5	298.4	297.3	296.2	295.0	293.9
110°	344.5	343.9	343.2	342.4	341.7	341.1	340.2	339.0	337.9	336.8	335.6



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	385.1	384.8	383.8	383.0	382.1	381.3	380.5	380.0	379.4	378.8	378.2
115°	447.0	447.2	446.7	446.3	445.8	445.4	444.6	443.7	442.8	441.9	441.0
117.5°	508.0	507.8	507.4	507.0	506.5	506.1	505.7	505.2	504.8	504.4	504.0
120°	549.5	549.5	549.3	549.1	548.8	548.6	547.9	546.7	545.6	544.5	543.3
122.5°	590.3	590.5	589.9	589.3	588.7	588.0	587.5	587.1	586.7	586.3	585.9
125°	650.4	650.8	650.6	650.4	650.2	649.8	649.0	647.7	646.3	645.0	643.6
127.5°	709.5	709.7	709.4	709.2	708.9	708.6	708.1	707.3	706.6	705.8	705.0
130°	748.8	749.0	748.6	748.1	747.7	747.2	746.4	745.3	744.2	743.0	741.8
132.5°	786.5	786.7	786.8	786.9	787.0	787.1	786.2	784.3	782.4	780.5	778.7
135°	844.1	844.1	843.9	843.7	843.5	843.2	842.5	841.1	839.7	838.4	837.0
137.5°	900.3	900.1	899.6	899.1	898.6	898.1	897.2	895.9	894.5	893.2	891.9
140°	935.7	935.2	934.5	933.9	933.2	932.5	931.6	930.5	929.4	928.2	927.1
142.5°	970.7	970.5	969.6	968.8	967.9	967.0	966.1	965.1	964.2	963.2	962.3
145°	1021.2	1021.2	1020.6	1019.9	1019.2	1018.4	1017.6	1016.7	1015.8	1014.9	1014.0
147.5°	1067.2	1066.6	1066.1	1065.5	1065.0	1064.5	1063.9	1063.4	1063.0	1062.5	1062.0
150°	1096.9	1096.9	1096.0	1095.1	1094.2	1093.3	1093.0	1093.2	1093.4	1093.7	1093.9
152.5°	1123.7	1123.2	1122.8	1122.4	1122.1	1121.7	1121.4	1121.1	1120.6	1120.3	1120.0
155°	1162.4	1161.4	1161.1	1160.9	1160.7	1160.4	1160.3	1160.3	1160.3	1160.3	1160.3
157.5°	1196.1	1195.2	1195.0	1194.7	1194.5	1194.3	1194.4	1194.9	1195.4	1195.9	1196.4
160°	1216.6	1215.7	1215.4	1215.2	1215.0	1214.8	1215.0	1215.7	1216.3	1217.0	1217.7
162.5°	1235.6	1234.5	1234.5	1234.4	1234.4	1234.3	1234.5	1235.0	1235.5	1236.0	1236.5
165°	1261.5	1260.6	1260.4	1260.2	1260.0	1259.7	1259.8	1260.3	1260.7	1261.2	1261.7
167.5°	1280.2	1278.9	1278.9	1278.9	1278.9	1278.9	1279.3	1280.2	1281.1	1282.0	1282.9
170°	1291.7	1290.3	1290.3	1290.3	1290.3	1290.3	1290.8	1291.7	1292.6	1293.5	1294.4
172.5°	1299.9	1298.5	1298.5	1298.5	1298.5	1298.5	1299.0	1299.9	1300.8	1301.7	1302.6
175°	1309.1	1307.7	1307.7	1307.7	1307.7	1307.7	1308.2	1309.1	1310.0	1310.9	1311.8
177.5°	1313.5	1312.4	1312.6	1312.8	1312.9	1313.1	1313.6	1314.3	1315.0	1315.8	1316.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.5	12.2	13.8	16.4	18.0	19.9	21.1	20.6	19.2	18.2	17.2
90°	2.8	4.6	6.5	8.3	10.0	11.6	13.2	14.7	16.4	17.5	18.7
92.5°	26.1	27.3	28.6	29.9	31.5	33.4	35.3	37.4	39.3	40.8	42.3
95°	67.0	67.5	67.9	68.4	69.7	72.0	74.2	76.5	78.8	80.4	82.0
97.5°	110.7	110.9	111.1	111.3	112.9	116.0	119.2	122.3	125.4	126.9	128.5
100°	143.3	143.3	143.3	143.3	144.7	147.6	150.7	153.6	156.5	158.6	160.7
102.5°	179.4	180.3	181.2	182.1	183.3	184.8	186.3	187.8	189.3	191.6	193.8
105°	234.4	235.6	236.7	237.8	239.1	240.4	241.9	243.2	244.6	245.9	247.3
107.5°	295.0	296.2	297.3	298.4	299.5	300.5	301.6	302.7	303.7	304.4	305.1
110°	336.8	337.9	339.0	340.2	341.1	341.7	342.4	343.2	343.9	344.5	345.2



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	378.8	379.4	380.0	380.5	381.3	382.1	383.0	383.8	384.8	385.1	385.4
115°	441.9	442.8	443.7	444.6	445.4	445.8	446.3	446.7	447.2	447.0	446.7
117.5°	504.4	504.8	505.2	505.7	506.1	506.5	507.0	507.4	507.8	508.0	508.1
120°	544.5	545.6	546.7	547.9	548.6	548.8	549.1	549.3	549.5	549.5	549.5
122.5°	586.3	586.7	587.1	587.5	588.0	588.7	589.3	589.9	590.5	590.3	590.1
125°	645.0	646.3	647.7	649.0	649.8	650.2	650.4	650.6	650.8	650.4	649.8
127.5°	705.8	706.6	707.3	708.1	708.6	708.9	709.2	709.4	709.7	709.5	709.2
130°	743.0	744.2	745.3	746.4	747.2	747.7	748.1	748.6	749.0	748.8	748.6
132.5°	780.5	782.4	784.3	786.2	787.1	787.0	786.9	786.8	786.7	786.5	786.2
135°	838.4	839.7	841.1	842.5	843.2	843.5	843.7	843.9	844.1	844.1	844.1
137.5°	893.2	894.5	895.9	897.2	898.1	898.6	899.1	899.6	900.1	900.3	900.6
140°	928.2	929.4	930.5	931.6	932.5	933.2	933.9	934.5	935.2	935.7	936.1
142.5°	963.2	964.2	965.1	966.1	967.0	967.9	968.8	969.6	970.5	970.7	971.0
145°	1014.9	1015.8	1016.7	1017.6	1018.4	1019.2	1019.9	1020.6	1021.2	1021.2	1021.2
147.5°	1062.5	1063.0	1063.4	1063.9	1064.5	1065.0	1065.5	1066.1	1066.6	1067.2	1067.7
150°	1093.7	1093.4	1093.2	1093.0	1093.3	1094.2	1095.1	1096.0	1096.9	1096.9	1096.9
152.5°	1120.3	1120.6	1121.1	1121.4	1121.7	1122.1	1122.4	1122.8	1123.2	1123.7	1124.2
155°	1160.3	1160.3	1160.3	1160.3	1160.4	1160.7	1160.9	1161.1	1161.4	1162.4	1163.3
157.5°	1195.9	1195.4	1194.9	1194.4	1194.3	1194.5	1194.7	1195.0	1195.2	1196.1	1197.0
160°	1217.0	1216.3	1215.7	1215.0	1214.8	1215.0	1215.2	1215.4	1215.7	1216.6	1217.5
162.5°	1236.0	1235.5	1235.0	1234.5	1234.3	1234.4	1234.4	1234.5	1234.5	1235.6	1236.7
165°	1261.2	1260.7	1260.3	1259.8	1259.7	1260.0	1260.2	1260.4	1260.6	1261.5	1262.4
167.5°	1282.0	1281.1	1280.2	1279.3	1278.9	1278.9	1278.9	1278.9	1278.9	1280.2	1281.6
170°	1293.5	1292.6	1291.7	1290.8	1290.3	1290.3	1290.3	1290.3	1290.3	1291.7	1293.0
172.5°	1301.7	1300.8	1299.9	1299.0	1298.5	1298.5	1298.5	1298.5	1298.5	1299.9	1301.2
175°	1310.9	1310.0	1309.1	1308.2	1307.7	1307.7	1307.7	1307.7	1307.7	1309.1	1310.4
177.5°	1315.8	1315.0	1314.3	1313.6	1313.1	1312.9	1312.8	1312.6	1312.4	1313.5	1314.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	17.4	16.0	16.2	15.9	16.0	15.7	14.9
90°	19.8	20.9	21.8	22.5	23.2	23.8	24.5
92.5°	43.8	45.3	46.3	46.8	47.3	47.8	48.3
95°	83.5	85.1	86.1	86.6	87.1	87.6	88.0
97.5°	130.0	131.5	132.3	132.6	132.9	133.2	133.4
100°	162.7	164.7	166.0	166.4	166.9	167.3	167.8
102.5°	196.0	198.2	199.7	200.3	201.0	201.6	202.2
105°	248.6	250.0	251.1	251.8	252.4	253.1	253.8
107.5°	305.8	306.4	306.8	306.7	306.7	306.6	306.6
110°	345.9	346.6	346.8	346.6	346.3	346.1	345.9



TEST NUMBER: P333413-840

CATALOG NUMBER: S125DIW-S850D1050U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	385.7	386.0	386.0	385.6	385.2	384.8	384.4
115°	446.5	446.3	446.1	445.8	445.6	445.4	445.1
117.5°	508.3	508.5	508.1	507.2	506.2	505.3	504.4
120°	549.5	549.5	549.1	548.2	547.2	546.3	545.4
122.5°	589.9	589.7	589.3	588.5	587.7	587.0	586.3
125°	649.4	648.9	648.6	648.4	648.1	647.9	647.7
127.5°	709.0	708.8	708.5	708.0	707.6	707.1	706.7
130°	748.3	748.1	747.8	747.3	746.9	746.4	746.0
132.5°	786.0	785.8	785.4	784.7	784.1	783.5	782.7
135°	844.1	844.1	843.7	842.8	841.9	841.0	840.1
137.5°	900.9	901.1	900.7	899.6	898.5	897.3	896.2
140°	936.6	937.1	936.8	935.6	934.4	933.3	932.2
142.5°	971.3	971.6	971.1	970.0	968.9	967.8	966.5
145°	1021.2	1021.2	1020.9	1020.2	1019.5	1018.9	1018.1
147.5°	1068.2	1068.8	1068.3	1066.8	1065.2	1063.7	1062.2
150°	1096.9	1096.9	1096.7	1096.2	1095.8	1095.3	1094.9
152.5°	1124.8	1125.3	1125.2	1124.4	1123.6	1122.7	1121.9
155°	1164.2	1165.1	1164.9	1163.8	1162.7	1161.5	1160.3
157.5°	1197.9	1198.8	1198.5	1197.0	1195.5	1194.0	1192.5
160°	1218.4	1219.3	1219.1	1218.0	1216.9	1215.8	1214.6
162.5°	1237.7	1238.8	1238.7	1237.4	1236.1	1234.8	1233.4
165°	1263.3	1264.3	1264.0	1262.7	1261.3	1260.0	1258.6
167.5°	1282.9	1284.3	1284.3	1282.9	1281.5	1280.1	1278.7
170°	1294.4	1295.8	1295.7	1294.0	1292.5	1290.9	1289.3
172.5°	1302.6	1303.9	1303.9	1302.5	1301.1	1299.7	1298.3
175°	1311.8	1313.2	1313.0	1311.5	1309.9	1308.3	1306.7
177.5°	1315.8	1316.8	1316.7	1315.5	1314.1	1312.9	1311.6
180°	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8	1314.8

(END OF REPORT)