

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: P333241-840

Luminaire Tested: **S125DIP-S850D1205U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333241-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D1205U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8351.4 lumens
Efficiency: N/A
Efficacy: 146.8 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

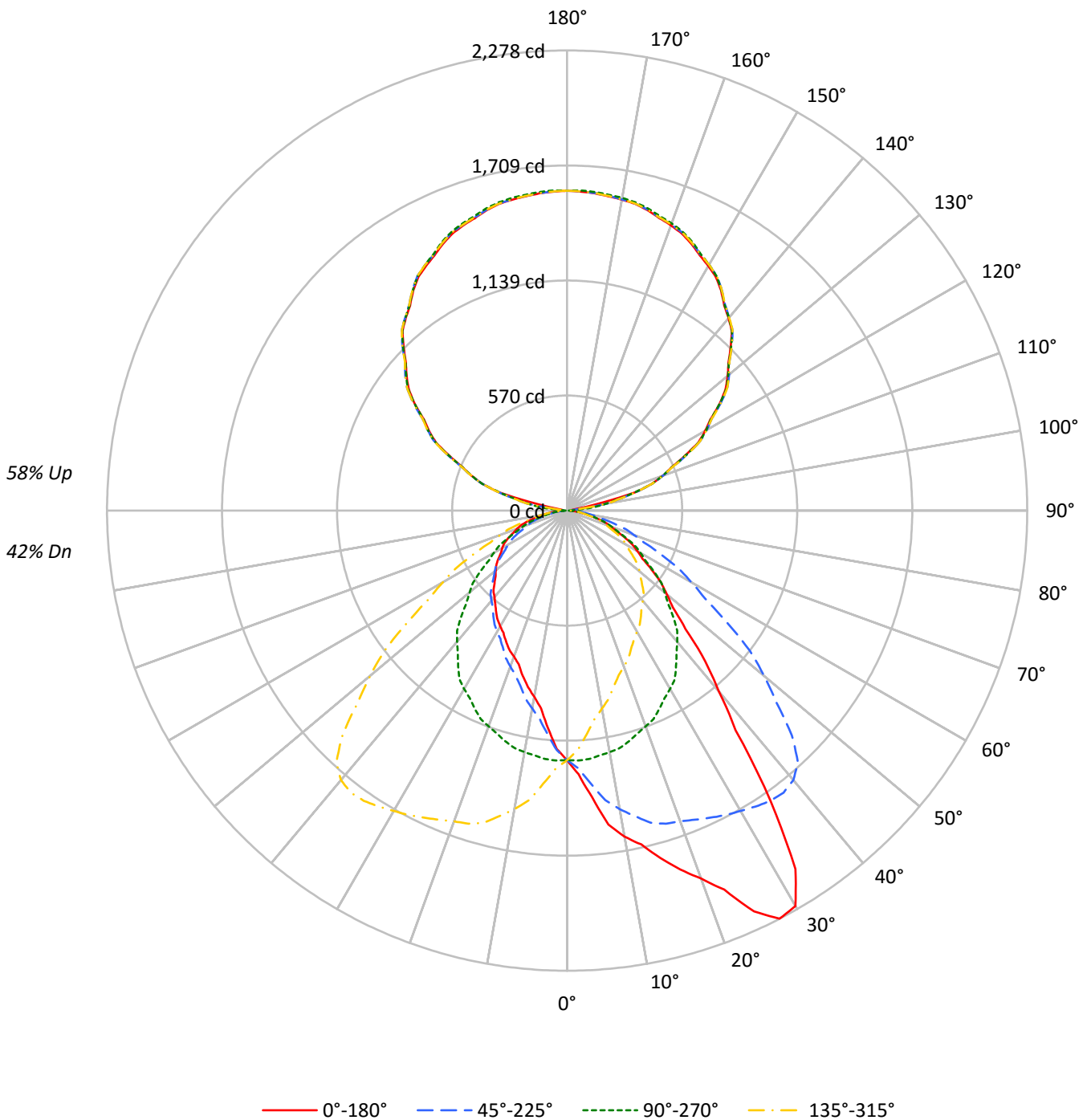
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36
2	88	80	74	69	80	74	69	64	61	57	54	49	47	44	38	37	35	30
3	80	71	64	58	73	65	59	54	54	49	46	44	40	38	34	32	30	26
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.4
10°-20°	354.1	4.2
20°-30°	575.0	6.9
30°-40°	701.4	8.4
40°-50°	638.1	7.6
50°-60°	508.2	6.1
60°-70°	354.0	4.2
70°-80°	188.8	2.3
80°-90°	50.9	0.6
90°-100°	57.5	0.7
100°-110°	354.6	4.2
110°-120°	643.1	7.7
120°-130°	825.3	9.9
130°-140°	887.7	10.6
140°-150°	833.2	10.0
150°-160°	674.0	8.1
160°-170°	435.9	5.2
170°-180°	150.4	1.8
0°-30°	1048.1	12.5
0°-40°	1749.5	20.9
0°-60°	2895.8	34.7
0°-90°	3489.5	41.8
90°-120°	1055.2	12.6
90°-150°	3601.6	43.1
90°-180°	4862.0	58.2
0°-180°	8351.4	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°	28	1	28	1	28	13
95°	25	67	25	67	25	20
105°	349	345	349	345	349	315
115°	643	648	643	648	643	638
125°	921	921	921	921	921	820
135°	1144	1149	1144	1149	1144	883
145°	1329	1332	1329	1332	1329	830
155°	1456	1467	1456	1467	1456	671
165°	1540	1548	1540	1548	1540	435
175°	1576	1583	1576	1583	1576	150
180°	1583	1583	1583	1583	1583	



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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°	15.7	16.4	16.7	16.5	16.8	16.6	18.0	17.7	18.7	19.7	21.0
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4	20.1	18.8	17.2
95°	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4	20.1	18.8	28.7
97.5°	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0	50.4	57.8	77.4
100°	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5	165.3	204.2	203.2
102.5°	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8	253.2	260.5	259.9
105°	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8	442.7	442.7	442.2
110°	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1	503.9	504.6	504.1



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CANDELA DISTRIBUTION (continued):

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



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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°	21.5	20.3	18.3	16.6	14.0	12.4	11.5	11.5	10.7	10.7	11.5
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1	16.7	15.1	13.7
95°	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9	66.1	65.3	64.5
97.5°	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7	141.1	142.5	143.9
100°	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0	196.8	197.5	198.3
102.5°	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3	254.3	255.3	256.2
105°	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1	346.1	347.1	348.2
107.5°	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
110°	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

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°	12.4	13.6	13.5	14.3	14.7	16.0	15.8	17.7	18.8	19.9	19.7
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4	22.7	24.0	24.8
95°	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4	22.7	24.0	24.6
97.5°	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0	35.6	28.3	24.6
100°	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5	87.7	48.8	28.8
102.5°	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8	238.5	231.2	218.6
105°	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.6
107.5°	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8	442.8	442.9	442.5
110°	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1	502.3	501.5	501.3



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

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°	20.7	20.4	20.6	21.6	20.6	20.4	20.7	19.7	19.9	18.8	17.7
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	25.1	25.5	26.0	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4
95°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4
97.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0
100°	27.8	26.8	25.7	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5
102.5°	200.9	183.1	165.4	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8
105°	349.3	349.1	348.8	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7
107.5°	441.7	441.0	440.2	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8
110°	501.5	501.8	502.1	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

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°	15.8	16.0	14.7	14.3	13.5	13.6	12.4	11.5	10.7	10.7	11.5
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	20.1	18.8	17.2	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1
95°	20.1	18.8	28.7	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9
97.5°	50.4	57.8	77.4	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7
100°	165.3	204.2	203.2	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0
102.5°	253.2	260.5	259.9	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3
105°	349.7	349.7	349.7	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1
107.5°	442.7	442.7	442.2	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4
110°	503.9	504.6	504.1	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333241-840

CATALOG NUMBER: S125DIP-S850D1205U840-4F0-1E-UDD-A

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	12.4	14.0	16.6	18.3	20.3	21.5	21.0	19.7	18.7	17.7
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	16.7	15.1	13.7	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4
95°	66.1	65.3	64.5	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4
97.5°	141.1	142.5	143.9	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0
100°	196.8	197.5	198.3	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5
102.5°	254.3	255.3	256.2	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8
105°	346.1	347.1	348.2	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	440.4	440.4	440.4	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8
110°	502.3	502.3	502.3	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1



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CANDELA DISTRIBUTION (continued):

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



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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°	18.0	16.6	16.8	16.5	16.7	16.4	15.7
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	22.7	24.0	24.8	25.1	25.5	26.0	26.3
95°	22.7	24.0	24.6	24.6	24.6	24.6	24.6
97.5°	35.6	28.3	24.6	24.6	24.6	24.6	24.6
100°	87.7	48.8	28.8	27.8	26.8	25.7	24.6
102.5°	238.5	231.2	218.6	200.9	183.1	165.4	147.6
105°	349.7	349.7	349.6	349.3	349.1	348.8	348.6
107.5°	442.8	442.9	442.5	441.7	441.0	440.2	439.4
110°	502.3	501.5	501.3	501.5	501.8	502.1	502.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)