

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: P332036

Luminaire Tested: **S123DIP-S1000D1195U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332036
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1195U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9012.4 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

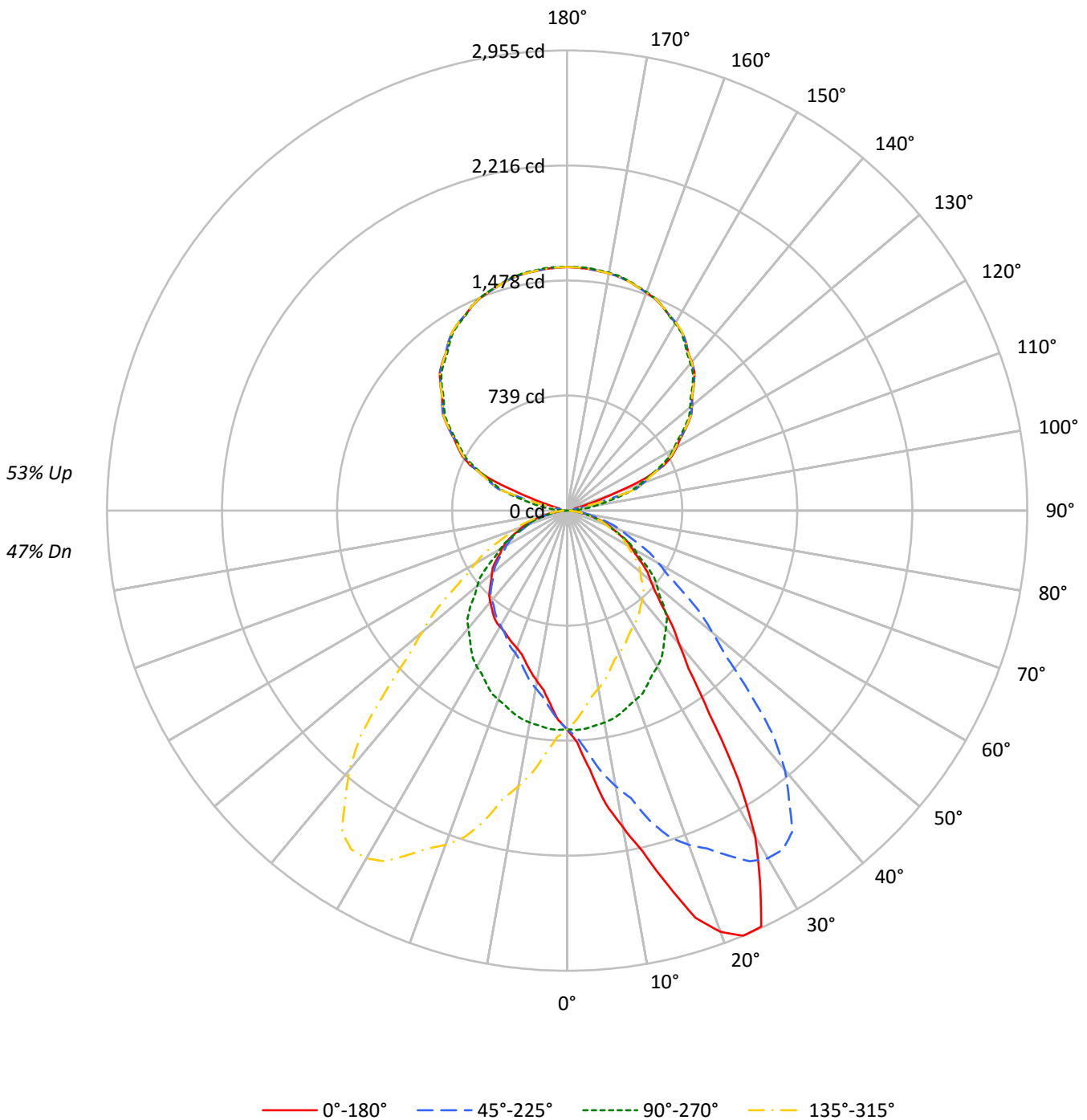
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47																				
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40																				
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39	34																				
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	38	35	33	29																				
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25																				
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	28	25	22																				
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19																				
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20	17																				
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	15																				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	21	18	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°	15118	15118	15118	15118
5°	18029	15183	13456	15183
10°	22566	15106	12153	15106
15°	27679	14985	11314	14985
20°	32972	14795	10772	14795
25°	35011	14563	10652	14563
30°	30009	14395	10708	14395
35°	20871	14155	10820	14155
40°	15719	13874	10786	13874
45°	13052	13457	10648	13457
50°	11692	12603	10551	12603
55°	10931	11684	10421	11684
60°	10254	10723	10314	10723
65°	9638	9775	9984	9775
70°	9039	8696	9508	8696
75°	8093	7615	8717	7615
80°	7085	6242	7507	6242
85°	5545	4533	5039	4533



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	1.5
10°-20°	443.6	4.9
20°-30°	744.6	8.3
30°-40°	843.1	9.4
40°-50°	756.1	8.4
50°-60°	610.1	6.8
60°-70°	425.2	4.7
70°-80°	223.5	2.5
80°-90°	59.0	0.7
90°-100°	56.9	0.6
100°-110°	271.0	3.0
110°-120°	650.9	7.2
120°-130°	828.8	9.2
130°-140°	885.6	9.8
140°-150°	828.1	9.2
150°-160°	668.0	7.4
160°-170°	431.1	4.8
170°-180°	148.6	1.6
0°-30°	1326.6	14.7
0°-40°	2169.7	24.1
0°-60°	3535.9	39.2
0°-90°	4243.5	47.1
90°-120°	978.7	10.9
90°-150°	3521.2	39.1
90°-180°	4769.0	52.9
0°-180°	9012.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1404	1404	1404	1404	1404	
5°	1669	1405	1245	1405	1669	173
15°	2484	1345	1015	1345	2484	717
25°	2948	1226	897	1226	2948	1293
35°	1588	1077	823	1077	1588	1032
45°	857	884	700	884	857	678
55°	582	623	555	623	582	523
65°	378	384	392	384	378	377
75°	195	183	210	183	195	208
85°	45	37	41	37	45	54
90°	35	1	35	1	35	18
95°	44	71	44	71	44	37
105°	51	346	51	346	51	117
115°	683	650	683	650	683	631
125°	934	916	934	916	934	834
135°	1151	1140	1151	1140	1151	888
145°	1328	1315	1328	1315	1328	829
155°	1446	1449	1446	1449	1446	667
165°	1524	1528	1524	1528	1524	430
175°	1558	1564	1558	1564	1558	148
180°	1564	1564	1564	1564	1564	



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1490.5	1489.5	1486.7	1488.9	1484.6	1478.6	1478.0	1472.6	1456.8	1455.7	1451.4
5°	1668.6	1663.1	1662.4	1661.8	1652.2	1639.3	1614.8	1612.8	1580.1	1563.8	1544.0
7.5°	1899.1	1902.0	1892.0	1883.3	1854.2	1835.0	1808.7	1775.1	1735.0	1694.3	1667.2
10°	2064.6	2087.1	2059.2	2040.1	2022.4	1989.1	1950.3	1902.0	1853.7	1797.2	1754.3
12.5°	2242.1	2253.1	2247.5	2229.6	2202.1	2151.3	2082.6	2029.4	1984.9	1890.8	1852.8
15°	2483.8	2525.3	2498.8	2437.5	2438.9	2390.6	2300.7	2202.1	2149.7	2067.3	1955.1
17.5°	2741.3	2746.5	2735.2	2684.1	2650.1	2583.7	2500.8	2406.2	2300.1	2200.4	2081.4
20°	2878.5	2874.4	2850.6	2824.0	2765.5	2713.8	2623.3	2517.8	2381.7	2283.7	2153.8
22.5°	2954.7	2947.9	2936.6	2914.4	2865.7	2810.2	2728.9	2613.6	2484.1	2349.1	2198.9
25°	2947.9	2956.7	2958.1	2952.0	2935.0	2901.6	2837.6	2745.8	2616.5	2443.0	2286.5
27.5°	2681.1	2693.7	2730.0	2762.3	2798.3	2835.1	2830.2	2784.6	2688.9	2539.0	2347.7
30°	2414.4	2387.2	2454.5	2539.6	2597.4	2699.5	2756.7	2760.1	2706.3	2577.7	2391.2
32.5°	2044.2	2074.1	2103.9	2208.6	2335.0	2449.6	2563.4	2655.0	2665.5	2579.9	2416.8
35°	1588.3	1625.7	1680.1	1734.6	1870.7	1987.7	2187.8	2362.0	2500.8	2519.2	2419.1
37.5°	1279.9	1298.4	1332.8	1387.4	1476.4	1615.2	1770.0	1990.2	2191.3	2340.9	2347.4
40°	1118.7	1124.2	1163.0	1204.5	1276.6	1390.9	1530.4	1725.0	1965.9	2174.9	2262.0
42.5°	997.9	1009.8	1026.3	1066.2	1123.6	1209.6	1339.3	1500.2	1721.0	1961.4	2131.8
45°	857.4	871.0	881.2	907.8	948.6	1006.4	1097.0	1243.9	1412.0	1660.4	1889.7
47.5°	764.6	765.7	773.3	793.3	821.1	864.5	928.5	1022.9	1177.2	1378.7	1614.1
50°	698.2	709.1	711.8	727.4	749.2	781.2	834.3	914.6	1041.2	1218.1	1434.5
52.5°	651.4	654.6	662.3	673.6	692.6	717.5	763.5	826.4	925.7	1076.5	1275.5
55°	582.5	582.5	590.0	598.8	609.7	632.2	662.8	709.1	784.6	901.7	1066.3
57.5°	518.8	522.2	527.5	530.2	539.5	554.3	579.9	615.0	671.4	761.5	892.4
60°	476.3	482.5	481.8	487.2	495.4	507.0	528.7	557.3	607.7	679.8	790.1
62.5°	439.3	438.9	438.8	445.3	453.5	464.5	478.7	503.4	546.2	610.1	704.0
65°	378.4	377.0	381.8	385.8	388.6	396.7	407.6	429.4	458.0	505.6	578.4
67.5°	324.2	320.2	322.8	324.2	328.8	335.2	345.4	358.9	381.6	419.9	474.7
70°	287.2	283.8	283.1	284.4	288.5	293.3	300.8	313.7	334.8	365.4	405.6
72.5°	249.1	246.7	246.6	249.6	251.5	254.6	259.9	271.8	288.5	311.5	349.0
75°	194.6	194.6	194.6	195.3	197.3	200.1	204.1	210.3	223.2	239.5	264.7
77.5°	145.9	145.8	144.9	144.8	147.8	149.0	150.0	155.7	162.9	173.9	192.3
80°	114.3	110.9	112.3	114.3	115.7	116.4	118.4	119.8	125.9	132.0	144.9
82.5°	84.9	82.1	82.3	85.5	85.7	86.4	88.5	90.4	92.7	98.3	105.2
85°	44.9	44.9	45.6	45.6	46.3	45.6	47.6	48.3	48.3	51.7	55.8
87.5°	23.3	22.1	22.6	23.0	22.3	22.7	23.1	23.4	23.7	24.1	24.0
90°	34.9	34.3	33.8	33.3	32.8	32.0	31.0	29.9	28.9	27.9	24.5
92.5°	38.6	38.3	38.0	37.6	37.3	36.4	34.7	33.0	31.4	29.7	27.2
95°	44.1	44.1	44.1	44.1	44.1	43.2	41.4	39.6	37.8	36.0	33.2
97.5°	47.9	47.6	47.4	47.1	46.8	45.7	43.6	41.5	39.5	37.4	35.0
100°	48.8	48.5	48.3	48.0	47.8	46.6	44.5	42.5	40.4	38.3	35.6
102.5°	49.7	49.3	48.8	48.3	47.9	50.8	57.2	63.6	70.0	76.4	120.4
105°	51.1	50.6	50.1	49.6	49.1	71.6	117.3	163.0	208.7	254.4	277.7
107.5°	160.6	195.0	229.4	263.9	298.3	332.3	365.8	399.3	432.8	466.4	462.7
110°	319.5	356.4	393.3	430.3	467.2	489.9	498.4	506.9	515.5	524.0	521.1



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	548.1	555.9	563.7	571.5	579.3	583.2	583.0	582.8	582.7	582.5	579.7
115°	683.1	682.1	681.1	680.0	679.0	677.2	674.6	672.0	669.5	666.9	664.6
117.5°	758.9	758.7	758.5	758.3	758.1	756.9	754.9	752.8	750.7	748.7	747.5
120°	810.9	810.9	810.9	810.9	810.9	809.9	807.8	805.8	803.7	801.6	800.9
122.5°	862.1	861.9	861.6	861.4	861.2	860.4	859.0	857.5	856.1	854.6	853.6
125°	934.1	933.6	933.1	932.5	932.0	931.5	931.0	930.5	930.0	929.4	928.4
127.5°	1003.3	1003.9	1004.4	1004.9	1005.4	1005.2	1004.4	1003.6	1002.8	1001.9	1000.7
130°	1048.0	1048.5	1049.0	1049.5	1050.0	1049.8	1048.7	1047.7	1046.7	1045.6	1044.6
132.5°	1088.8	1089.6	1090.3	1091.0	1091.7	1091.6	1090.6	1089.5	1088.5	1087.5	1086.6
135°	1151.4	1152.1	1152.9	1153.7	1154.5	1154.5	1153.7	1152.9	1152.1	1151.4	1150.3
137.5°	1210.1	1210.7	1211.2	1211.7	1212.2	1211.8	1210.6	1209.4	1208.1	1206.9	1206.3
140°	1245.5	1246.0	1246.5	1247.0	1247.5	1247.3	1246.2	1245.2	1244.2	1243.1	1242.4
142.5°	1278.0	1278.7	1279.4	1280.2	1280.9	1280.8	1280.0	1279.2	1278.4	1277.5	1276.8
145°	1327.9	1327.9	1327.9	1327.9	1327.9	1327.7	1327.2	1326.7	1326.1	1325.6	1325.1
147.5°	1365.1	1366.3	1367.5	1368.7	1369.9	1370.2	1369.7	1369.2	1368.7	1368.1	1367.6
150°	1393.0	1393.8	1394.6	1395.3	1396.1	1396.2	1395.7	1395.2	1394.7	1394.2	1393.7
152.5°	1415.3	1416.5	1417.7	1418.9	1420.1	1420.2	1419.3	1418.3	1417.4	1416.5	1416.2
155°	1446.5	1448.0	1449.6	1451.1	1452.6	1452.8	1451.5	1450.2	1448.9	1447.6	1447.4
157.5°	1472.7	1474.7	1476.7	1478.8	1480.8	1481.0	1479.4	1477.9	1476.4	1474.8	1475.1
160°	1489.4	1491.2	1493.1	1494.9	1496.7	1496.8	1495.2	1493.7	1492.2	1490.6	1490.9
162.5°	1505.2	1506.8	1508.4	1510.0	1511.6	1511.6	1509.8	1508.1	1506.3	1504.5	1504.8
165°	1524.3	1526.1	1527.9	1529.7	1531.5	1531.4	1529.3	1527.3	1525.2	1523.1	1523.4
167.5°	1538.0	1540.1	1542.1	1544.2	1546.3	1546.3	1544.2	1542.1	1540.1	1538.0	1538.0
170°	1546.4	1548.4	1550.5	1552.6	1554.6	1554.6	1552.6	1550.5	1548.4	1546.4	1546.4
172.5°	1551.0	1553.3	1555.6	1557.8	1560.1	1560.2	1558.1	1556.1	1554.0	1551.9	1551.7
175°	1558.0	1560.1	1562.1	1564.2	1566.2	1566.4	1564.6	1562.8	1561.0	1559.1	1558.9
177.5°	1560.1	1562.1	1564.2	1566.3	1568.3	1568.5	1566.9	1565.2	1563.6	1561.9	1561.7
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1448.1	1443.7	1439.4	1431.8	1425.2	1416.0	1413.2	1410.0	1400.2	1391.5	1384.9
5°	1536.5	1520.2	1496.4	1474.6	1456.9	1433.1	1419.5	1405.2	1384.8	1366.4	1351.5
7.5°	1629.1	1597.0	1560.0	1519.9	1482.7	1446.7	1417.7	1391.9	1363.3	1336.2	1315.1
10°	1702.6	1656.3	1604.6	1548.8	1501.2	1454.9	1416.1	1382.1	1345.3	1313.3	1286.8
12.5°	1786.4	1717.8	1646.5	1578.7	1522.4	1458.2	1411.2	1367.9	1326.3	1287.8	1258.0
15°	1885.6	1798.5	1714.2	1620.9	1535.2	1454.9	1399.1	1344.7	1296.3	1256.9	1218.8
17.5°	1976.0	1877.3	1766.1	1652.8	1549.3	1454.1	1376.0	1314.4	1254.0	1205.7	1167.7
20°	2027.2	1914.9	1789.0	1671.3	1557.0	1450.8	1365.1	1291.6	1226.2	1175.2	1132.3
22.5°	2071.3	1939.9	1809.7	1683.8	1556.4	1442.1	1344.9	1269.3	1198.5	1148.5	1102.9
25°	2117.0	1959.8	1829.2	1681.5	1539.3	1420.9	1312.0	1226.2	1155.5	1097.0	1050.0
27.5°	2156.2	1958.5	1803.4	1644.6	1512.3	1393.6	1277.4	1185.4	1110.3	1046.7	999.1
30°	2182.3	1961.2	1776.8	1619.6	1486.2	1363.7	1250.7	1158.2	1079.3	1014.6	969.7
32.5°	2198.7	1959.5	1752.3	1584.7	1444.8	1336.5	1221.9	1126.1	1045.0	981.4	938.1
35°	2208.2	1947.6	1710.1	1512.7	1378.0	1272.5	1176.6	1077.2	992.2	933.0	884.0
37.5°	2189.1	1922.4	1661.1	1443.3	1295.8	1191.9	1111.2	1026.6	945.2	880.0	837.8
40°	2159.2	1906.1	1623.0	1394.3	1239.2	1139.1	1070.4	987.4	907.1	845.2	805.7
42.5°	2102.0	1872.8	1581.1	1339.9	1180.4	1080.3	1017.1	947.7	871.7	813.6	774.1
45°	1962.5	1800.6	1518.2	1258.2	1093.5	990.1	934.3	884.0	815.2	758.7	724.7
47.5°	1769.0	1691.8	1427.3	1172.1	1002.9	903.4	845.4	804.9	754.7	709.1	676.4
50°	1634.5	1602.6	1365.7	1113.3	942.5	845.2	789.4	752.6	716.6	671.0	641.0
52.5°	1479.4	1499.1	1293.9	1052.3	881.0	785.3	732.8	703.6	670.8	633.4	607.3
55°	1261.0	1332.4	1169.8	950.0	789.4	698.2	648.5	622.6	603.6	575.7	553.2
57.5°	1056.4	1147.3	1035.6	844.5	699.4	620.7	573.1	544.9	532.7	518.1	500.4
60°	935.0	1024.8	939.8	773.7	639.0	564.1	521.9	498.1	485.9	475.7	460.7
62.5°	826.7	917.6	846.1	701.9	579.6	510.2	473.5	450.2	440.7	435.4	422.6
65°	677.8	756.0	708.4	590.0	494.7	433.5	400.1	383.8	375.0	372.9	364.7
67.5°	551.6	611.2	576.5	489.4	414.4	361.5	333.2	319.3	312.5	311.8	305.7
70°	468.9	524.7	498.1	419.2	354.5	313.0	288.5	276.3	272.2	271.5	268.1
72.5°	404.6	443.5	422.4	356.6	306.6	268.9	251.0	238.2	233.5	234.5	232.2
75°	299.4	328.7	316.4	270.8	230.7	206.2	191.2	183.1	179.0	181.0	178.3
77.5°	215.4	234.0	222.9	191.4	166.6	148.9	137.9	132.8	129.2	129.0	127.8
80°	162.6	173.5	167.4	148.3	127.9	113.0	104.1	100.7	98.7	98.0	97.3
82.5°	115.8	125.1	117.9	104.8	90.9	81.9	76.9	72.4	70.9	71.3	70.6
85°	58.5	61.9	59.2	51.0	45.6	41.5	38.8	36.7	35.4	36.1	34.7
87.5°	24.4	24.2	21.9	19.2	17.6	15.4	14.9	13.3	12.7	13.2	13.2
90°	21.2	17.8	14.5	11.5	8.9	6.3	3.7	1.2	3.7	6.3	8.9
92.5°	24.7	22.2	19.6	18.7	19.4	20.2	20.9	21.6	20.9	20.2	19.4
95°	30.3	27.5	24.7	28.5	39.1	49.7	60.3	70.9	60.3	49.7	39.1
97.5°	74.6	93.2	111.8	123.4	128.2	132.9	137.7	142.4	137.7	132.9	128.2
100°	118.9	159.2	199.4	217.0	211.8	206.7	201.5	196.3	201.5	206.7	211.8
102.5°	164.4	208.4	252.4	272.6	268.8	265.1	261.4	257.7	261.4	265.1	268.8
105°	300.9	324.1	347.4	357.6	354.7	351.9	349.1	346.2	349.1	351.9	354.7
107.5°	459.0	455.4	451.7	448.7	446.4	444.2	441.9	439.6	441.9	444.2	446.4
110°	518.3	515.5	512.6	510.2	508.1	506.0	504.0	501.9	504.0	506.0	508.1



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	576.9	574.0	571.2	568.8	567.0	565.1	563.2	561.4	563.2	565.1	567.0
115°	662.2	659.9	657.6	655.6	654.1	652.5	651.0	649.5	651.0	652.5	654.1
117.5°	746.3	745.1	743.9	742.4	740.5	738.5	736.6	734.7	736.6	738.5	740.5
120°	800.1	799.3	798.6	797.0	794.7	792.4	790.0	787.7	790.0	792.4	794.7
122.5°	852.7	851.7	850.7	849.3	847.3	845.4	843.5	841.6	843.5	845.4	847.3
125°	927.4	926.3	925.3	923.8	921.7	919.6	917.6	915.5	917.6	919.6	921.7
127.5°	999.5	998.2	997.0	995.3	993.3	991.2	989.1	987.1	989.1	991.2	993.3
130°	1043.6	1042.5	1041.5	1039.9	1037.9	1035.8	1033.8	1031.7	1033.8	1035.8	1037.9
132.5°	1085.8	1085.0	1084.1	1082.7	1080.6	1078.6	1076.5	1074.4	1076.5	1078.6	1080.6
135°	1149.3	1148.3	1147.2	1145.9	1144.4	1142.8	1141.3	1139.7	1141.3	1142.8	1144.4
137.5°	1205.8	1205.2	1204.6	1203.4	1201.4	1199.4	1197.5	1195.5	1197.5	1199.4	1201.4
140°	1241.6	1240.8	1240.0	1238.9	1237.3	1235.8	1234.2	1232.7	1234.2	1235.8	1237.3
142.5°	1276.0	1275.2	1274.4	1273.3	1271.7	1270.2	1268.6	1267.1	1268.6	1270.2	1271.7
145°	1324.6	1324.1	1323.6	1322.4	1320.6	1318.8	1317.0	1315.2	1317.0	1318.8	1320.6
147.5°	1367.1	1366.6	1366.1	1365.2	1364.0	1362.9	1361.7	1360.5	1361.7	1362.9	1364.0
150°	1393.1	1392.6	1392.1	1391.5	1390.7	1389.9	1389.1	1388.4	1389.1	1389.9	1390.7
152.5°	1415.9	1415.5	1415.2	1414.9	1414.5	1414.2	1413.8	1413.5	1413.8	1414.2	1414.5
155°	1447.1	1446.8	1446.6	1446.7	1447.2	1447.7	1448.3	1448.8	1448.3	1447.7	1447.2
157.5°	1475.3	1475.6	1475.8	1476.0	1476.0	1476.1	1476.1	1476.2	1476.1	1476.1	1476.0
160°	1491.1	1491.4	1491.6	1491.9	1492.2	1492.4	1492.7	1492.9	1492.7	1492.4	1492.2
162.5°	1505.1	1505.3	1505.6	1506.0	1506.7	1507.4	1508.1	1508.7	1508.1	1507.4	1506.7
165°	1523.6	1523.9	1524.2	1524.7	1525.5	1526.2	1527.0	1527.8	1527.0	1526.2	1525.5
167.5°	1538.0	1538.0	1538.0	1538.5	1539.6	1540.6	1541.6	1542.7	1541.6	1540.6	1539.6
170°	1546.4	1546.4	1546.4	1546.9	1547.9	1549.0	1550.0	1551.0	1550.0	1549.0	1547.9
172.5°	1551.5	1551.3	1551.1	1551.6	1552.9	1554.1	1555.4	1556.6	1555.4	1554.1	1552.9
175°	1558.6	1558.4	1558.1	1558.6	1559.9	1561.2	1562.5	1563.8	1562.5	1561.2	1559.9
177.5°	1561.5	1561.3	1561.1	1561.5	1562.6	1563.6	1564.6	1565.7	1564.6	1563.6	1562.6
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1381.1	1377.3	1371.9	1363.7	1357.2	1346.8	1346.8	1348.5	1348.5	1347.9	1346.8
5°	1339.2	1329.0	1316.8	1302.5	1287.5	1272.5	1269.8	1264.4	1260.3	1257.5	1254.1
7.5°	1295.0	1276.9	1259.0	1239.0	1220.8	1205.7	1195.2	1186.5	1180.9	1174.9	1170.6
10°	1265.0	1242.6	1221.5	1200.4	1177.2	1158.9	1147.3	1139.1	1133.0	1127.6	1124.9
12.5°	1229.6	1203.9	1180.7	1160.6	1135.3	1116.4	1105.4	1101.6	1094.4	1082.9	1076.9
15°	1177.9	1154.1	1126.2	1095.6	1083.3	1060.2	1047.3	1041.2	1037.1	1028.2	1025.5
17.5°	1133.7	1102.5	1071.2	1048.4	1025.6	1006.9	999.6	992.0	986.6	979.4	977.2
20°	1098.3	1070.4	1041.8	1017.3	993.5	973.1	967.0	961.5	956.1	952.7	950.0
22.5°	1062.4	1034.5	1010.8	987.9	962.5	949.1	942.5	936.5	932.7	930.4	927.6
25°	1011.9	987.4	960.9	940.4	920.0	911.2	907.1	903.7	901.0	897.6	896.9
27.5°	966.7	940.0	918.5	899.5	884.8	877.4	873.5	871.8	872.4	873.6	874.4
30°	933.0	908.5	890.8	874.4	860.8	854.0	853.3	853.3	856.1	856.7	858.1
32.5°	901.9	881.8	864.1	848.3	838.0	833.3	835.9	835.9	838.1	839.9	842.3
35°	856.7	839.0	825.4	811.8	803.0	805.0	806.4	807.7	811.1	815.2	818.0
37.5°	813.6	798.2	784.1	773.4	769.4	773.0	776.3	779.2	783.1	786.2	789.0
40°	782.6	771.0	757.4	747.9	749.2	751.3	754.0	757.4	760.8	762.8	765.6
42.5°	753.7	741.6	731.3	723.4	725.3	727.9	729.5	731.3	735.2	738.9	740.5
45°	709.8	700.2	690.7	685.9	687.3	688.7	690.0	692.1	695.5	698.2	698.9
47.5°	660.3	653.7	647.3	642.7	644.8	644.3	646.1	650.4	651.5	653.1	656.9
50°	628.8	622.6	615.2	613.8	613.8	613.8	614.5	619.9	619.9	622.6	625.4
52.5°	593.9	590.0	585.2	582.8	581.7	581.7	584.5	587.3	588.4	592.2	594.9
55°	542.4	538.3	534.2	532.1	530.8	532.1	537.6	538.9	542.4	544.4	546.4
57.5°	488.6	485.5	482.2	481.1	480.8	482.6	485.6	489.7	490.5	496.8	499.9
60°	453.2	448.4	445.7	445.7	444.4	450.5	449.1	455.9	457.3	461.4	466.1
62.5°	416.7	410.3	409.2	409.2	411.2	412.9	414.8	417.8	421.4	426.5	430.2
65°	357.9	354.5	359.3	358.6	357.3	361.3	361.3	364.7	368.8	373.6	381.1
67.5°	302.3	300.5	300.9	300.9	303.0	305.3	307.2	310.2	315.1	320.1	325.0
70°	264.7	266.8	263.4	266.1	268.1	268.8	270.2	274.2	279.7	283.1	288.5
72.5°	228.2	228.1	228.5	229.6	231.6	232.9	234.2	238.9	244.8	247.7	252.1
75°	175.6	174.9	176.9	176.9	180.3	181.7	183.1	185.1	190.5	194.6	198.0
77.5°	128.2	129.0	128.6	130.9	130.0	130.2	134.5	136.5	137.1	145.1	146.9
80°	96.6	98.0	98.7	99.4	100.0	98.7	103.4	105.5	105.5	110.2	113.6
82.5°	69.4	70.2	72.0	72.7	72.8	74.2	74.6	76.1	77.7	79.8	84.2
85°	34.7	36.7	37.4	36.7	37.4	36.1	38.1	38.8	39.5	39.5	39.5
87.5°	13.2	14.3	14.5	15.7	15.8	17.0	17.2	16.3	16.5	18.4	16.4
90°	11.5	14.5	17.8	21.2	24.5	27.9	28.9	29.9	31.0	32.0	32.8
92.5°	18.7	19.6	22.2	24.7	27.2	29.7	31.4	33.0	34.7	36.4	37.3
95°	28.5	24.7	27.5	30.3	33.2	36.0	37.8	39.6	41.4	43.2	44.1
97.5°	123.4	111.8	93.2	74.6	56.0	37.4	39.5	41.5	43.6	45.7	46.8
100°	217.0	199.4	159.2	118.9	78.6	38.3	40.4	42.5	44.5	46.6	47.8
102.5°	272.6	252.4	208.4	164.4	120.4	76.4	70.0	63.6	57.2	50.8	47.9
105°	357.6	347.4	324.1	300.9	277.7	254.4	208.7	163.0	117.3	71.6	49.1
107.5°	448.7	451.7	455.4	459.0	462.7	466.4	432.8	399.3	365.8	332.3	298.3
110°	510.2	512.6	515.5	518.3	521.1	524.0	515.5	506.9	498.4	489.9	467.2



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	568.8	571.2	574.0	576.9	579.7	582.5	582.7	582.8	583.0	583.2	579.3
115°	655.6	657.6	659.9	662.2	664.6	666.9	669.5	672.0	674.6	677.2	679.0
117.5°	742.4	743.9	745.1	746.3	747.5	748.7	750.7	752.8	754.9	756.9	758.1
120°	797.0	798.6	799.3	800.1	800.9	801.6	803.7	805.8	807.8	809.9	810.9
122.5°	849.3	850.7	851.7	852.7	853.6	854.6	856.1	857.5	859.0	860.4	861.2
125°	923.8	925.3	926.3	927.4	928.4	929.4	930.0	930.5	931.0	931.5	932.0
127.5°	995.3	997.0	998.2	999.5	1000.7	1001.9	1002.8	1003.6	1004.4	1005.2	1005.4
130°	1039.9	1041.5	1042.5	1043.6	1044.6	1045.6	1046.7	1047.7	1048.7	1049.8	1050.0
132.5°	1082.7	1084.1	1085.0	1085.8	1086.6	1087.5	1088.5	1089.5	1090.6	1091.6	1091.7
135°	1145.9	1147.2	1148.3	1149.3	1150.3	1151.4	1152.1	1152.9	1153.7	1154.5	1154.5
137.5°	1203.4	1204.6	1205.2	1205.8	1206.3	1206.9	1208.1	1209.4	1210.6	1211.8	1212.2
140°	1238.9	1240.0	1240.8	1241.6	1242.4	1243.1	1244.2	1245.2	1246.2	1247.3	1247.5
142.5°	1273.3	1274.4	1275.2	1276.0	1276.8	1277.5	1278.4	1279.2	1280.0	1280.8	1280.9
145°	1322.4	1323.6	1324.1	1324.6	1325.1	1325.6	1326.1	1326.7	1327.2	1327.7	1327.9
147.5°	1365.2	1366.1	1366.6	1367.1	1367.6	1368.1	1368.7	1369.2	1369.7	1370.2	1369.9
150°	1391.5	1392.1	1392.6	1393.1	1393.7	1394.2	1394.7	1395.2	1395.7	1396.2	1396.1
152.5°	1414.9	1415.2	1415.5	1415.9	1416.2	1416.5	1417.4	1418.3	1419.3	1420.2	1420.1
155°	1446.7	1446.6	1446.8	1447.1	1447.4	1447.6	1448.9	1450.2	1451.5	1452.8	1452.6
157.5°	1476.0	1475.8	1475.6	1475.3	1475.1	1474.8	1476.4	1477.9	1479.4	1481.0	1480.8
160°	1491.9	1491.6	1491.4	1491.1	1490.9	1490.6	1492.2	1493.7	1495.2	1496.8	1496.7
162.5°	1506.0	1505.6	1505.3	1505.1	1504.8	1504.5	1506.3	1508.1	1509.8	1511.6	1511.6
165°	1524.7	1524.2	1523.9	1523.6	1523.4	1523.1	1525.2	1527.3	1529.3	1531.4	1531.5
167.5°	1538.5	1538.0	1538.0	1538.0	1538.0	1538.0	1540.1	1542.1	1544.2	1546.3	1546.3
170°	1546.9	1546.4	1546.4	1546.4	1546.4	1546.4	1548.4	1550.5	1552.6	1554.6	1554.6
172.5°	1551.6	1551.1	1551.3	1551.5	1551.7	1551.9	1554.0	1556.1	1558.1	1560.2	1560.1
175°	1558.6	1558.1	1558.4	1558.6	1558.9	1559.1	1561.0	1562.8	1564.6	1566.4	1566.2
177.5°	1561.5	1561.1	1561.3	1561.5	1561.7	1561.9	1563.6	1565.2	1566.9	1568.5	1568.3
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1343.0	1342.5	1346.3	1343.6	1346.3	1342.5	1343.0	1346.8	1347.9	1348.5	1348.5
5°	1250.1	1252.1	1245.3	1245.3	1245.3	1252.1	1250.1	1254.1	1257.5	1260.3	1264.4
7.5°	1167.3	1164.3	1164.6	1160.9	1164.6	1164.3	1167.3	1170.6	1174.9	1180.9	1186.5
10°	1116.7	1112.6	1111.2	1111.9	1111.2	1112.6	1116.7	1124.9	1127.6	1133.0	1139.1
12.5°	1074.8	1074.0	1065.0	1065.1	1065.0	1074.0	1074.8	1076.9	1082.9	1094.4	1101.6
15°	1025.5	1012.6	1011.2	1015.3	1011.2	1012.6	1025.5	1025.5	1028.2	1037.1	1041.2
17.5°	976.1	969.3	969.7	967.7	969.7	969.3	976.1	977.2	979.4	986.6	992.0
20°	950.0	945.9	945.2	940.4	945.2	945.9	950.0	950.0	952.7	956.1	961.5
22.5°	926.0	924.7	925.1	919.8	925.1	924.7	926.0	927.6	930.4	932.7	936.5
25°	896.2	899.6	896.9	896.9	896.9	899.6	896.2	896.9	897.6	901.0	903.7
27.5°	876.1	875.9	874.6	874.6	874.6	875.9	876.1	874.4	873.6	872.4	871.8
30°	860.8	860.1	861.5	861.5	861.5	860.1	860.8	858.1	856.7	856.1	853.3
32.5°	845.6	846.5	846.8	847.3	846.8	846.5	845.6	842.3	839.9	838.1	835.9
35°	822.0	822.7	824.8	823.4	824.8	822.7	822.0	818.0	815.2	811.1	807.7
37.5°	790.2	793.3	792.6	793.7	792.6	793.3	790.2	789.0	786.2	783.1	779.2
40°	766.2	768.3	767.6	767.6	767.6	768.3	766.2	765.6	762.8	760.8	757.4
42.5°	741.7	743.2	741.5	740.4	741.5	743.2	741.7	740.5	738.9	735.2	731.3
45°	701.6	700.2	702.3	699.5	702.3	700.2	701.6	698.9	698.2	695.5	692.1
47.5°	656.7	658.0	658.6	660.6	658.6	658.0	656.7	656.9	653.1	651.5	650.4
50°	626.7	630.8	630.8	630.1	630.8	630.8	626.7	625.4	622.6	619.9	619.9
52.5°	597.3	599.2	602.0	601.8	602.0	599.2	597.3	594.9	592.2	588.4	587.3
55°	551.9	553.2	554.6	555.3	554.6	553.2	551.9	546.4	544.4	542.4	538.9
57.5°	504.8	504.2	507.5	508.5	507.5	504.2	504.8	499.9	496.8	490.5	489.7
60°	471.6	471.6	477.0	479.1	477.0	471.6	471.6	466.1	461.4	457.3	455.9
62.5°	436.2	438.4	443.8	441.0	443.8	438.4	436.2	430.2	426.5	421.4	417.8
65°	384.5	389.9	389.2	392.0	389.2	389.9	384.5	381.1	373.6	368.8	364.7
67.5°	330.4	333.8	338.7	339.2	338.7	333.8	330.4	325.0	320.1	315.1	310.2
70°	294.0	297.4	300.1	302.1	300.1	297.4	294.0	288.5	283.1	279.7	274.2
72.5°	258.6	260.4	266.9	264.0	266.9	260.4	258.6	252.1	247.7	244.8	238.9
75°	202.8	207.5	211.6	209.6	211.6	207.5	202.8	198.0	194.6	190.5	185.1
77.5°	150.0	154.7	156.6	154.9	156.6	154.7	150.0	146.9	145.1	137.1	136.5
80°	118.4	117.7	121.8	121.1	121.8	117.7	118.4	113.6	110.2	105.5	105.5
82.5°	86.8	86.2	88.1	88.5	88.1	86.2	86.8	84.2	79.8	77.7	76.1
85°	42.2	44.2	41.5	40.8	41.5	44.2	42.2	39.5	39.5	39.5	38.8
87.5°	16.5	16.6	16.1	15.7	16.1	16.6	16.5	16.4	18.4	16.5	16.3
90°	33.3	33.8	34.3	34.9	34.3	33.8	33.3	32.8	32.0	31.0	29.9
92.5°	37.6	38.0	38.3	38.6	38.3	38.0	37.6	37.3	36.4	34.7	33.0
95°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	43.2	41.4	39.6
97.5°	47.1	47.4	47.6	47.9	47.6	47.4	47.1	46.8	45.7	43.6	41.5
100°	48.0	48.3	48.5	48.8	48.5	48.3	48.0	47.8	46.6	44.5	42.5
102.5°	48.3	48.8	49.3	49.7	49.3	48.8	48.3	47.9	50.8	57.2	63.6
105°	49.6	50.1	50.6	51.1	50.6	50.1	49.6	49.1	71.6	117.3	163.0
107.5°	263.9	229.4	195.0	160.6	195.0	229.4	263.9	298.3	332.3	365.8	399.3
110°	430.3	393.3	356.4	319.5	356.4	393.3	430.3	467.2	489.9	498.4	506.9



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	571.5	563.7	555.9	548.1	555.9	563.7	571.5	579.3	583.2	583.0	582.8
115°	680.0	681.1	682.1	683.1	682.1	681.1	680.0	679.0	677.2	674.6	672.0
117.5°	758.3	758.5	758.7	758.9	758.7	758.5	758.3	758.1	756.9	754.9	752.8
120°	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	809.9	807.8	805.8
122.5°	861.4	861.6	861.9	862.1	861.9	861.6	861.4	861.2	860.4	859.0	857.5
125°	932.5	933.1	933.6	934.1	933.6	933.1	932.5	932.0	931.5	931.0	930.5
127.5°	1004.9	1004.4	1003.9	1003.3	1003.9	1004.4	1004.9	1005.4	1005.2	1004.4	1003.6
130°	1049.5	1049.0	1048.5	1048.0	1048.5	1049.0	1049.5	1050.0	1049.8	1048.7	1047.7
132.5°	1091.0	1090.3	1089.6	1088.8	1089.6	1090.3	1091.0	1091.7	1091.6	1090.6	1089.5
135°	1153.7	1152.9	1152.1	1151.4	1152.1	1152.9	1153.7	1154.5	1154.5	1153.7	1152.9
137.5°	1211.7	1211.2	1210.7	1210.1	1210.7	1211.2	1211.7	1212.2	1211.8	1210.6	1209.4
140°	1247.0	1246.5	1246.0	1245.5	1246.0	1246.5	1247.0	1247.5	1247.3	1246.2	1245.2
142.5°	1280.2	1279.4	1278.7	1278.0	1278.7	1279.4	1280.2	1280.9	1280.8	1280.0	1279.2
145°	1327.9	1327.9	1327.9	1327.9	1327.9	1327.9	1327.9	1327.9	1327.7	1327.2	1326.7
147.5°	1368.7	1367.5	1366.3	1365.1	1366.3	1367.5	1368.7	1369.9	1370.2	1369.7	1369.2
150°	1395.3	1394.6	1393.8	1393.0	1393.8	1394.6	1395.3	1396.1	1396.2	1395.7	1395.2
152.5°	1418.9	1417.7	1416.5	1415.3	1416.5	1417.7	1418.9	1420.1	1420.2	1419.3	1418.3
155°	1451.1	1449.6	1448.0	1446.5	1448.0	1449.6	1451.1	1452.6	1452.8	1451.5	1450.2
157.5°	1478.8	1476.7	1474.7	1472.7	1474.7	1476.7	1478.8	1480.8	1481.0	1479.4	1477.9
160°	1494.9	1493.1	1491.2	1489.4	1491.2	1493.1	1494.9	1496.7	1496.8	1495.2	1493.7
162.5°	1510.0	1508.4	1506.8	1505.2	1506.8	1508.4	1510.0	1511.6	1511.6	1509.8	1508.1
165°	1529.7	1527.9	1526.1	1524.3	1526.1	1527.9	1529.7	1531.5	1531.4	1529.3	1527.3
167.5°	1544.2	1542.1	1540.1	1538.0	1540.1	1542.1	1544.2	1546.3	1546.3	1544.2	1542.1
170°	1552.6	1550.5	1548.4	1546.4	1548.4	1550.5	1552.6	1554.6	1554.6	1552.6	1550.5
172.5°	1557.8	1555.6	1553.3	1551.0	1553.3	1555.6	1557.8	1560.1	1560.2	1558.1	1556.1
175°	1564.2	1562.1	1560.1	1558.0	1560.1	1562.1	1564.2	1566.2	1566.4	1564.6	1562.8
177.5°	1566.3	1564.2	1562.1	1560.1	1562.1	1564.2	1566.3	1568.3	1568.5	1566.9	1565.2
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1346.8	1346.8	1357.2	1363.7	1371.9	1377.3	1381.1	1384.9	1391.5	1400.2	1410.0
5°	1269.8	1272.5	1287.5	1302.5	1316.8	1329.0	1339.2	1351.5	1366.4	1384.8	1405.2
7.5°	1195.2	1205.7	1220.8	1239.0	1259.0	1276.9	1295.0	1315.1	1336.2	1363.3	1391.9
10°	1147.3	1158.9	1177.2	1200.4	1221.5	1242.6	1265.0	1286.8	1313.3	1345.3	1382.1
12.5°	1105.4	1116.4	1135.3	1160.6	1180.7	1203.9	1229.6	1258.0	1287.8	1326.3	1367.9
15°	1047.3	1060.2	1083.3	1095.6	1126.2	1154.1	1177.9	1218.8	1256.9	1296.3	1344.7
17.5°	999.6	1006.9	1025.6	1048.4	1071.2	1102.5	1133.7	1167.7	1205.7	1254.0	1314.4
20°	967.0	973.1	993.5	1017.3	1041.8	1070.4	1098.3	1132.3	1175.2	1226.2	1291.6
22.5°	942.5	949.1	962.5	987.9	1010.8	1034.5	1062.4	1102.9	1148.5	1198.5	1269.3
25°	907.1	911.2	920.0	940.4	960.9	987.4	1011.9	1050.0	1097.0	1155.5	1226.2
27.5°	873.5	877.4	884.8	899.5	918.5	940.0	966.7	999.1	1046.7	1110.3	1185.4
30°	853.3	854.0	860.8	874.4	890.8	908.5	933.0	969.7	1014.6	1079.3	1158.2
32.5°	835.9	833.3	838.0	848.3	864.1	881.8	901.9	938.1	981.4	1045.0	1126.1
35°	806.4	805.0	803.0	811.8	825.4	839.0	856.7	884.0	933.0	992.2	1077.2
37.5°	776.3	773.0	769.4	773.4	784.1	798.2	813.6	837.8	880.0	945.2	1026.6
40°	754.0	751.3	749.2	747.9	757.4	771.0	782.6	805.7	845.2	907.1	987.4
42.5°	729.5	727.9	725.3	723.4	731.3	741.6	753.7	774.1	813.6	871.7	947.7
45°	690.0	688.7	687.3	685.9	690.7	700.2	709.8	724.7	758.7	815.2	884.0
47.5°	646.1	644.3	644.8	642.7	647.3	653.7	660.3	676.4	709.1	754.7	804.9
50°	614.5	613.8	613.8	613.8	615.2	622.6	628.8	641.0	671.0	716.6	752.6
52.5°	584.5	581.7	581.7	582.8	585.2	590.0	593.9	607.3	633.4	670.8	703.6
55°	537.6	532.1	530.8	532.1	534.2	538.3	542.4	553.2	575.7	603.6	622.6
57.5°	485.6	482.6	480.8	481.1	482.2	485.5	488.6	500.4	518.1	532.7	544.9
60°	449.1	450.5	444.4	445.7	445.7	448.4	453.2	460.7	475.7	485.9	498.1
62.5°	414.8	412.9	411.2	409.2	409.2	410.3	416.7	422.6	435.4	440.7	450.2
65°	361.3	361.3	357.3	358.6	359.3	354.5	357.9	364.7	372.9	375.0	383.8
67.5°	307.2	305.3	303.0	300.9	300.9	300.5	302.3	305.7	311.8	312.5	319.3
70°	270.2	268.8	268.1	266.1	263.4	266.8	264.7	268.1	271.5	272.2	276.3
72.5°	234.2	232.9	231.6	229.6	228.5	228.1	228.2	232.2	234.5	233.5	238.2
75°	183.1	181.7	180.3	176.9	176.9	174.9	175.6	178.3	181.0	179.0	183.1
77.5°	134.5	130.2	130.0	130.9	128.6	129.0	128.2	127.8	129.0	129.2	132.8
80°	103.4	98.7	100.0	99.4	98.7	98.0	96.6	97.3	98.0	98.7	100.7
82.5°	74.6	74.2	72.8	72.7	72.0	70.2	69.4	70.6	71.3	70.9	72.4
85°	38.1	36.1	37.4	36.7	37.4	36.7	34.7	34.7	36.1	35.4	36.7
87.5°	17.2	17.0	15.8	15.7	14.5	14.3	13.2	13.2	13.2	12.7	13.3
90°	28.9	27.9	24.5	21.2	17.8	14.5	11.5	8.9	6.3	3.7	1.2
92.5°	31.4	29.7	27.2	24.7	22.2	19.6	18.7	19.4	20.2	20.9	21.6
95°	37.8	36.0	33.2	30.3	27.5	24.7	28.5	39.1	49.7	60.3	70.9
97.5°	39.5	37.4	56.0	74.6	93.2	111.8	123.4	128.2	132.9	137.7	142.4
100°	40.4	38.3	78.6	118.9	159.2	199.4	217.0	211.8	206.7	201.5	196.3
102.5°	70.0	76.4	120.4	164.4	208.4	252.4	272.6	268.8	265.1	261.4	257.7
105°	208.7	254.4	277.7	300.9	324.1	347.4	357.6	354.7	351.9	349.1	346.2
107.5°	432.8	466.4	462.7	459.0	455.4	451.7	448.7	446.4	444.2	441.9	439.6
110°	515.5	524.0	521.1	518.3	515.5	512.6	510.2	508.1	506.0	504.0	501.9



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	582.7	582.5	579.7	576.9	574.0	571.2	568.8	567.0	565.1	563.2	561.4
115°	669.5	666.9	664.6	662.2	659.9	657.6	655.6	654.1	652.5	651.0	649.5
117.5°	750.7	748.7	747.5	746.3	745.1	743.9	742.4	740.5	738.5	736.6	734.7
120°	803.7	801.6	800.9	800.1	799.3	798.6	797.0	794.7	792.4	790.0	787.7
122.5°	856.1	854.6	853.6	852.7	851.7	850.7	849.3	847.3	845.4	843.5	841.6
125°	930.0	929.4	928.4	927.4	926.3	925.3	923.8	921.7	919.6	917.6	915.5
127.5°	1002.8	1001.9	1000.7	999.5	998.2	997.0	995.3	993.3	991.2	989.1	987.1
130°	1046.7	1045.6	1044.6	1043.6	1042.5	1041.5	1039.9	1037.9	1035.8	1033.8	1031.7
132.5°	1088.5	1087.5	1086.6	1085.8	1085.0	1084.1	1082.7	1080.6	1078.6	1076.5	1074.4
135°	1152.1	1151.4	1150.3	1149.3	1148.3	1147.2	1145.9	1144.4	1142.8	1141.3	1139.7
137.5°	1208.1	1206.9	1206.3	1205.8	1205.2	1204.6	1203.4	1201.4	1199.4	1197.5	1195.5
140°	1244.2	1243.1	1242.4	1241.6	1240.8	1240.0	1238.9	1237.3	1235.8	1234.2	1232.7
142.5°	1278.4	1277.5	1276.8	1276.0	1275.2	1274.4	1273.3	1271.7	1270.2	1268.6	1267.1
145°	1326.1	1325.6	1325.1	1324.6	1324.1	1323.6	1322.4	1320.6	1318.8	1317.0	1315.2
147.5°	1368.7	1368.1	1367.6	1367.1	1366.6	1366.1	1365.2	1364.0	1362.9	1361.7	1360.5
150°	1394.7	1394.2	1393.7	1393.1	1392.6	1392.1	1391.5	1390.7	1389.9	1389.1	1388.4
152.5°	1417.4	1416.5	1416.2	1415.9	1415.5	1415.2	1414.9	1414.5	1414.2	1413.8	1413.5
155°	1448.9	1447.6	1447.4	1447.1	1446.8	1446.6	1446.7	1447.2	1447.7	1448.3	1448.8
157.5°	1476.4	1474.8	1475.1	1475.3	1475.6	1475.8	1476.0	1476.0	1476.1	1476.1	1476.2
160°	1492.2	1490.6	1490.9	1491.1	1491.4	1491.6	1491.9	1492.2	1492.4	1492.7	1492.9
162.5°	1506.3	1504.5	1504.8	1505.1	1505.3	1505.6	1506.0	1506.7	1507.4	1508.1	1508.7
165°	1525.2	1523.1	1523.4	1523.6	1523.9	1524.2	1524.7	1525.5	1526.2	1527.0	1527.8
167.5°	1540.1	1538.0	1538.0	1538.0	1538.0	1538.0	1538.5	1539.6	1540.6	1541.6	1542.7
170°	1548.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.9	1547.9	1549.0	1550.0	1551.0
172.5°	1554.0	1551.9	1551.7	1551.5	1551.3	1551.1	1551.6	1552.9	1554.1	1555.4	1556.6
175°	1561.0	1559.1	1558.9	1558.6	1558.4	1558.1	1558.6	1559.9	1561.2	1562.5	1563.8
177.5°	1563.6	1561.9	1561.7	1561.5	1561.3	1561.1	1561.5	1562.6	1563.6	1564.6	1565.7
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1413.2	1416.0	1425.2	1431.8	1439.4	1443.7	1448.1	1451.4	1455.7	1456.8	1472.6
5°	1419.5	1433.1	1456.9	1474.6	1496.4	1520.2	1536.5	1544.0	1563.8	1580.1	1612.8
7.5°	1417.7	1446.7	1482.7	1519.9	1560.0	1597.0	1629.1	1667.2	1694.3	1735.0	1775.1
10°	1416.1	1454.9	1501.2	1548.8	1604.6	1656.3	1702.6	1754.3	1797.2	1853.7	1902.0
12.5°	1411.2	1458.2	1522.4	1578.7	1646.5	1717.8	1786.4	1852.8	1890.8	1984.9	2029.4
15°	1399.1	1454.9	1535.2	1620.9	1714.2	1798.5	1885.6	1955.1	2067.3	2149.7	2202.1
17.5°	1376.0	1454.1	1549.3	1652.8	1766.1	1877.3	1976.0	2081.4	2200.4	2300.1	2406.2
20°	1365.1	1450.8	1557.0	1671.3	1789.0	1914.9	2027.2	2153.8	2283.7	2381.7	2517.8
22.5°	1344.9	1442.1	1556.4	1683.8	1809.7	1939.9	2071.3	2198.9	2349.1	2484.1	2613.6
25°	1312.0	1420.9	1539.3	1681.5	1829.2	1959.8	2117.0	2286.5	2443.0	2616.5	2745.8
27.5°	1277.4	1393.6	1512.3	1644.6	1803.4	1958.5	2156.2	2347.7	2539.0	2688.9	2784.6
30°	1250.7	1363.7	1486.2	1619.6	1776.8	1961.2	2182.3	2391.2	2577.7	2706.3	2760.1
32.5°	1221.9	1336.5	1444.8	1584.7	1752.3	1959.5	2198.7	2416.8	2579.9	2665.5	2655.0
35°	1176.6	1272.5	1378.0	1512.7	1710.1	1947.6	2208.2	2419.1	2519.2	2500.8	2362.0
37.5°	1111.2	1191.9	1295.8	1443.3	1661.1	1922.4	2189.1	2347.4	2340.9	2191.3	1990.2
40°	1070.4	1139.1	1239.2	1394.3	1623.0	1906.1	2159.2	2262.0	2174.9	1965.9	1725.0
42.5°	1017.1	1080.3	1180.4	1339.9	1581.1	1872.8	2102.0	2131.8	1961.4	1721.0	1500.2
45°	934.3	990.1	1093.5	1258.2	1518.2	1800.6	1962.5	1889.7	1660.4	1412.0	1243.9
47.5°	845.4	903.4	1002.9	1172.1	1427.3	1691.8	1769.0	1614.1	1378.7	1177.2	1022.9
50°	789.4	845.2	942.5	1113.3	1365.7	1602.6	1634.5	1434.5	1218.1	1041.2	914.6
52.5°	732.8	785.3	881.0	1052.3	1293.9	1499.1	1479.4	1275.5	1076.5	925.7	826.4
55°	648.5	698.2	789.4	950.0	1169.8	1332.4	1261.0	1066.3	901.7	784.6	709.1
57.5°	573.1	620.7	699.4	844.5	1035.6	1147.3	1056.4	892.4	761.5	671.4	615.0
60°	521.9	564.1	639.0	773.7	939.8	1024.8	935.0	790.1	679.8	607.7	557.3
62.5°	473.5	510.2	579.6	701.9	846.1	917.6	826.7	704.0	610.1	546.2	503.4
65°	400.1	433.5	494.7	590.0	708.4	756.0	677.8	578.4	505.6	458.0	429.4
67.5°	333.2	361.5	414.4	489.4	576.5	611.2	551.6	474.7	419.9	381.6	358.9
70°	288.5	313.0	354.5	419.2	498.1	524.7	468.9	405.6	365.4	334.8	313.7
72.5°	251.0	268.9	306.6	356.6	422.4	443.5	404.6	349.0	311.5	288.5	271.8
75°	191.2	206.2	230.7	270.8	316.4	328.7	299.4	264.7	239.5	223.2	210.3
77.5°	137.9	148.9	166.6	191.4	222.9	234.0	215.4	192.3	173.9	162.9	155.7
80°	104.1	113.0	127.9	148.3	167.4	173.5	162.6	144.9	132.0	125.9	119.8
82.5°	76.9	81.9	90.9	104.8	117.9	125.1	115.8	105.2	98.3	92.7	90.4
85°	38.8	41.5	45.6	51.0	59.2	61.9	58.5	55.8	51.7	48.3	48.3
87.5°	14.9	15.4	17.6	19.2	21.9	24.2	24.4	24.0	24.1	23.7	23.4
90°	3.7	6.3	8.9	11.5	14.5	17.8	21.2	24.5	27.9	28.9	29.9
92.5°	20.9	20.2	19.4	18.7	19.6	22.2	24.7	27.2	29.7	31.4	33.0
95°	60.3	49.7	39.1	28.5	24.7	27.5	30.3	33.2	36.0	37.8	39.6
97.5°	137.7	132.9	128.2	123.4	111.8	93.2	74.6	56.0	37.4	39.5	41.5
100°	201.5	206.7	211.8	217.0	199.4	159.2	118.9	78.6	38.3	40.4	42.5
102.5°	261.4	265.1	268.8	272.6	252.4	208.4	164.4	120.4	76.4	70.0	63.6
105°	349.1	351.9	354.7	357.6	347.4	324.1	300.9	277.7	254.4	208.7	163.0
107.5°	441.9	444.2	446.4	448.7	451.7	455.4	459.0	462.7	466.4	432.8	399.3
110°	504.0	506.0	508.1	510.2	512.6	515.5	518.3	521.1	524.0	515.5	506.9



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	563.2	565.1	567.0	568.8	571.2	574.0	576.9	579.7	582.5	582.7	582.8
115°	651.0	652.5	654.1	655.6	657.6	659.9	662.2	664.6	666.9	669.5	672.0
117.5°	736.6	738.5	740.5	742.4	743.9	745.1	746.3	747.5	748.7	750.7	752.8
120°	790.0	792.4	794.7	797.0	798.6	799.3	800.1	800.9	801.6	803.7	805.8
122.5°	843.5	845.4	847.3	849.3	850.7	851.7	852.7	853.6	854.6	856.1	857.5
125°	917.6	919.6	921.7	923.8	925.3	926.3	927.4	928.4	929.4	930.0	930.5
127.5°	989.1	991.2	993.3	995.3	997.0	998.2	999.5	1000.7	1001.9	1002.8	1003.6
130°	1033.8	1035.8	1037.9	1039.9	1041.5	1042.5	1043.6	1044.6	1045.6	1046.7	1047.7
132.5°	1076.5	1078.6	1080.6	1082.7	1084.1	1085.0	1085.8	1086.6	1087.5	1088.5	1089.5
135°	1141.3	1142.8	1144.4	1145.9	1147.2	1148.3	1149.3	1150.3	1151.4	1152.1	1152.9
137.5°	1197.5	1199.4	1201.4	1203.4	1204.6	1205.2	1205.8	1206.3	1206.9	1208.1	1209.4
140°	1234.2	1235.8	1237.3	1238.9	1240.0	1240.8	1241.6	1242.4	1243.1	1244.2	1245.2
142.5°	1268.6	1270.2	1271.7	1273.3	1274.4	1275.2	1276.0	1276.8	1277.5	1278.4	1279.2
145°	1317.0	1318.8	1320.6	1322.4	1323.6	1324.1	1324.6	1325.1	1325.6	1326.1	1326.7
147.5°	1361.7	1362.9	1364.0	1365.2	1366.1	1366.6	1367.1	1367.6	1368.1	1368.7	1369.2
150°	1389.1	1389.9	1390.7	1391.5	1392.1	1392.6	1393.1	1393.7	1394.2	1394.7	1395.2
152.5°	1413.8	1414.2	1414.5	1414.9	1415.2	1415.5	1415.9	1416.2	1416.5	1417.4	1418.3
155°	1448.3	1447.7	1447.2	1446.7	1446.6	1446.8	1447.1	1447.4	1447.6	1448.9	1450.2
157.5°	1476.1	1476.1	1476.0	1476.0	1475.8	1475.6	1475.3	1475.1	1474.8	1476.4	1477.9
160°	1492.7	1492.4	1492.2	1491.9	1491.6	1491.4	1491.1	1490.9	1490.6	1492.2	1493.7
162.5°	1508.1	1507.4	1506.7	1506.0	1505.6	1505.3	1505.1	1504.8	1504.5	1506.3	1508.1
165°	1527.0	1526.2	1525.5	1524.7	1524.2	1523.9	1523.6	1523.4	1523.1	1525.2	1527.3
167.5°	1541.6	1540.6	1539.6	1538.5	1538.0	1538.0	1538.0	1538.0	1538.0	1540.1	1542.1
170°	1550.0	1549.0	1547.9	1546.9	1546.4	1546.4	1546.4	1546.4	1546.4	1548.4	1550.5
172.5°	1555.4	1554.1	1552.9	1551.6	1551.1	1551.3	1551.5	1551.7	1551.9	1554.0	1556.1
175°	1562.5	1561.2	1559.9	1558.6	1558.1	1558.4	1558.6	1558.9	1559.1	1561.0	1562.8
177.5°	1564.6	1563.6	1562.6	1561.5	1561.1	1561.3	1561.5	1561.7	1561.9	1563.6	1565.2
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1478.0	1478.6	1484.6	1488.9	1486.7	1489.5	1490.5
5°	1614.8	1639.3	1652.2	1661.8	1662.4	1663.1	1668.6
7.5°	1808.7	1835.0	1854.2	1883.3	1892.0	1902.0	1899.1
10°	1950.3	1989.1	2022.4	2040.1	2059.2	2087.1	2064.6
12.5°	2082.6	2151.3	2202.1	2229.6	2247.5	2253.1	2242.1
15°	2300.7	2390.6	2438.9	2437.5	2498.8	2525.3	2483.8
17.5°	2500.8	2583.7	2650.1	2684.1	2735.2	2746.5	2741.3
20°	2623.3	2713.8	2765.5	2824.0	2850.6	2874.4	2878.5
22.5°	2728.9	2810.2	2865.7	2914.4	2936.6	2947.9	2954.7
25°	2837.6	2901.6	2935.0	2952.0	2958.1	2956.7	2947.9
27.5°	2830.2	2835.1	2798.3	2762.3	2730.0	2693.7	2681.1
30°	2756.7	2699.5	2597.4	2539.6	2454.5	2387.2	2414.4
32.5°	2563.4	2449.6	2335.0	2208.6	2103.9	2074.1	2044.2
35°	2187.8	1987.7	1870.7	1734.6	1680.1	1625.7	1588.3
37.5°	1770.0	1615.2	1476.4	1387.4	1332.8	1298.4	1279.9
40°	1530.4	1390.9	1276.6	1204.5	1163.0	1124.2	1118.7
42.5°	1339.3	1209.6	1123.6	1066.2	1026.3	1009.8	997.9
45°	1097.0	1006.4	948.6	907.8	881.2	871.0	857.4
47.5°	928.5	864.5	821.1	793.3	773.3	765.7	764.6
50°	834.3	781.2	749.2	727.4	711.8	709.1	698.2
52.5°	763.5	717.5	692.6	673.6	662.3	654.6	651.4
55°	662.8	632.2	609.7	598.8	590.0	582.5	582.5
57.5°	579.9	554.3	539.5	530.2	527.5	522.2	518.8
60°	528.7	507.0	495.4	487.2	481.8	482.5	476.3
62.5°	478.7	464.5	453.5	445.3	438.8	438.9	439.3
65°	407.6	396.7	388.6	385.8	381.8	377.0	378.4
67.5°	345.4	335.2	328.8	324.2	322.8	320.2	324.2
70°	300.8	293.3	288.5	284.4	283.1	283.8	287.2
72.5°	259.9	254.6	251.5	249.6	246.6	246.7	249.1
75°	204.1	200.1	197.3	195.3	194.6	194.6	194.6
77.5°	150.0	149.0	147.8	144.8	144.9	145.8	145.9
80°	118.4	116.4	115.7	114.3	112.3	110.9	114.3
82.5°	88.5	86.4	85.7	85.5	82.3	82.1	84.9
85°	47.6	45.6	46.3	45.6	45.6	44.9	44.9
87.5°	23.1	22.7	22.3	23.0	22.6	22.1	23.3
90°	31.0	32.0	32.8	33.3	33.8	34.3	34.9
92.5°	34.7	36.4	37.3	37.6	38.0	38.3	38.6
95°	41.4	43.2	44.1	44.1	44.1	44.1	44.1
97.5°	43.6	45.7	46.8	47.1	47.4	47.6	47.9
100°	44.5	46.6	47.8	48.0	48.3	48.5	48.8
102.5°	57.2	50.8	47.9	48.3	48.8	49.3	49.7
105°	117.3	71.6	49.1	49.6	50.1	50.6	51.1
107.5°	365.8	332.3	298.3	263.9	229.4	195.0	160.6
110°	498.4	489.9	467.2	430.3	393.3	356.4	319.5



TEST NUMBER: P332036

CATALOG NUMBER: S123DIP-S1000D1195U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	583.0	583.2	579.3	571.5	563.7	555.9	548.1
115°	674.6	677.2	679.0	680.0	681.1	682.1	683.1
117.5°	754.9	756.9	758.1	758.3	758.5	758.7	758.9
120°	807.8	809.9	810.9	810.9	810.9	810.9	810.9
122.5°	859.0	860.4	861.2	861.4	861.6	861.9	862.1
125°	931.0	931.5	932.0	932.5	933.1	933.6	934.1
127.5°	1004.4	1005.2	1005.4	1004.9	1004.4	1003.9	1003.3
130°	1048.7	1049.8	1050.0	1049.5	1049.0	1048.5	1048.0
132.5°	1090.6	1091.6	1091.7	1091.0	1090.3	1089.6	1088.8
135°	1153.7	1154.5	1154.5	1153.7	1152.9	1152.1	1151.4
137.5°	1210.6	1211.8	1212.2	1211.7	1211.2	1210.7	1210.1
140°	1246.2	1247.3	1247.5	1247.0	1246.5	1246.0	1245.5
142.5°	1280.0	1280.8	1280.9	1280.2	1279.4	1278.7	1278.0
145°	1327.2	1327.7	1327.9	1327.9	1327.9	1327.9	1327.9
147.5°	1369.7	1370.2	1369.9	1368.7	1367.5	1366.3	1365.1
150°	1395.7	1396.2	1396.1	1395.3	1394.6	1393.8	1393.0
152.5°	1419.3	1420.2	1420.1	1418.9	1417.7	1416.5	1415.3
155°	1451.5	1452.8	1452.6	1451.1	1449.6	1448.0	1446.5
157.5°	1479.4	1481.0	1480.8	1478.8	1476.7	1474.7	1472.7
160°	1495.2	1496.8	1496.7	1494.9	1493.1	1491.2	1489.4
162.5°	1509.8	1511.6	1511.6	1510.0	1508.4	1506.8	1505.2
165°	1529.3	1531.4	1531.5	1529.7	1527.9	1526.1	1524.3
167.5°	1544.2	1546.3	1546.3	1544.2	1542.1	1540.1	1538.0
170°	1552.6	1554.6	1554.6	1552.6	1550.5	1548.4	1546.4
172.5°	1558.1	1560.2	1560.1	1557.8	1555.6	1553.3	1551.0
175°	1564.6	1566.4	1566.2	1564.2	1562.1	1560.1	1558.0
177.5°	1566.9	1568.5	1568.3	1566.3	1564.2	1562.1	1560.1
180°	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8	1563.8

(END OF REPORT)