

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: P332081-927

Luminaire Tested: **S123DIP-S1165D1195U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332081-927
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-S1165D1195U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 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: 7659.7 lumens
Efficiency: N/A
Efficacy: 106.8 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

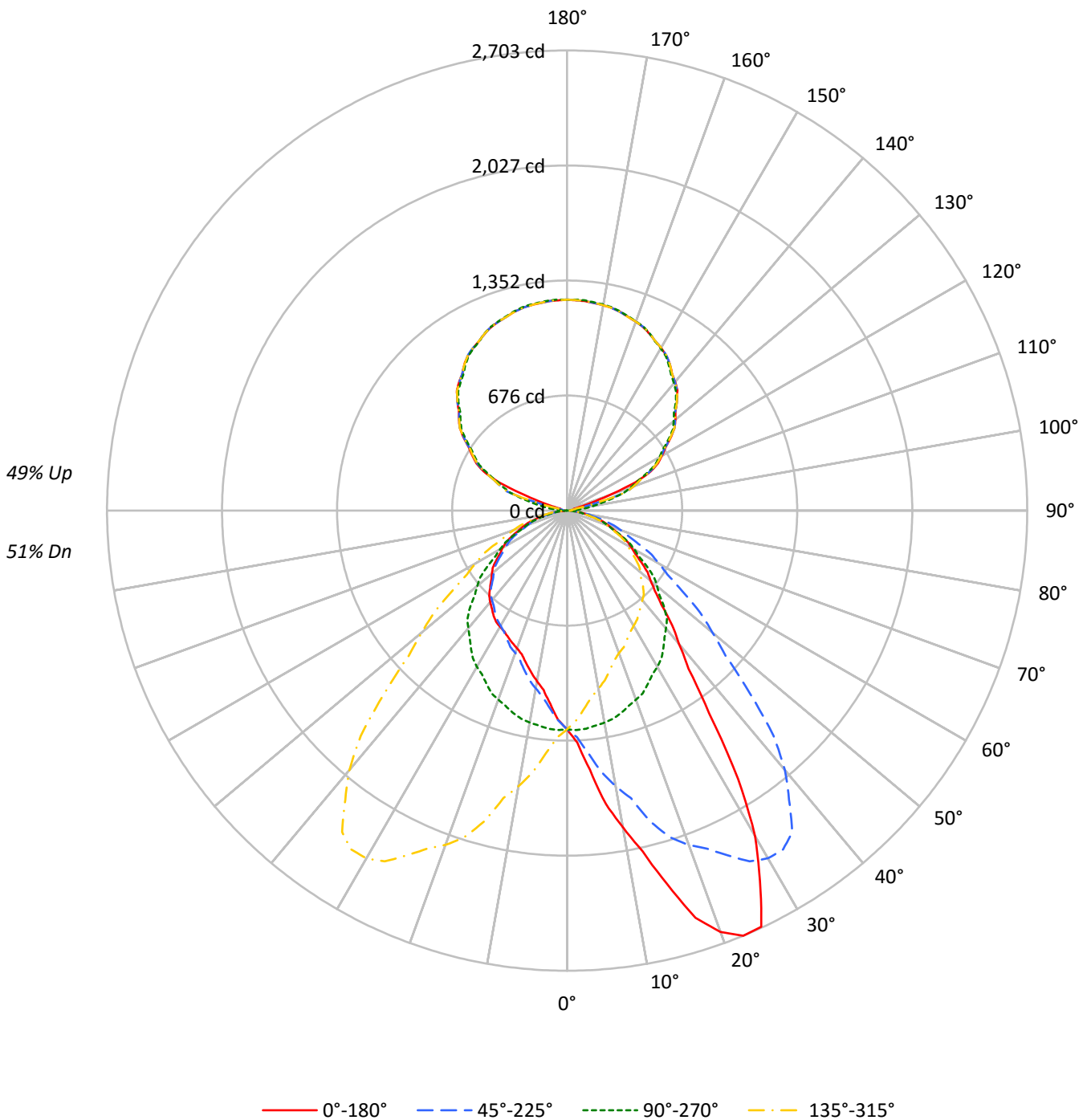
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51	51	51	51	
1	98	94	90	87	91	87	84	81	74	71	69	62	60	59	51	49	48	43	43	43	43	
2	90	82	76	71	83	76	71	67	65	61	58	55	52	49	45	43	41	37	37	37	37	
3	82	73	65	60	75	67	61	56	58	53	49	48	45	42	40	37	35	31	31	31	31	
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27	27	27	27	
5	69	57	49	44	63	53	46	41	46	40	36	39	35	31	32	29	27	24	24	24	24	
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21	21	21	21	
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	24	21	18	18	18	18	
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	17	17	17	17	
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	15	15	15	15	
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	14	14	14	14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13832	13832	13832	13832
5°	16495	13891	12310	13891
10°	20647	13821	11119	13821
15°	25324	13710	10351	13710
20°	30166	13536	9856	13536
25°	32033	13324	9745	13324
30°	27455	13170	9797	13170
35°	19094	12951	9900	12951
40°	14383	12694	9868	12694
45°	11942	12310	9742	12310
50°	10697	11531	9656	11531
55°	10001	10691	9533	10691
60°	9382	9810	9436	9810
65°	8818	8945	9133	8945
70°	8271	7956	8699	7956
75°	7407	6966	7977	6966
80°	6484	5709	6868	5709
85°	5076	4150	4619	4150



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CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	1.7
10°-20°	405.9	5.3
20°-30°	681.2	8.9
30°-40°	771.4	10.1
40°-50°	691.7	9.0
50°-60°	558.2	7.3
60°-70°	389.0	5.1
70°-80°	204.5	2.7
80°-90°	53.5	0.7
90°-100°	45.0	0.6
100°-110°	214.7	2.8
110°-120°	515.6	6.7
120°-130°	656.6	8.6
130°-140°	701.5	9.2
140°-150°	656.0	8.6
150°-160°	529.2	6.9
160°-170°	341.5	4.5
170°-180°	117.7	1.5
0°-30°	1213.7	15.8
0°-40°	1985.1	25.9
0°-60°	3235.0	42.2
0°-90°	3882.0	50.7
90°-120°	775.3	10.1
90°-150°	2789.4	36.4
90°-180°	3778.0	49.3
0°-180°	7659.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1285	1285	1285	1285	1285	
5°	1527	1286	1139	1286	1527	158
15°	2272	1230	929	1230	2272	656
25°	2697	1122	820	1122	2697	1183
35°	1453	986	753	986	1453	944
45°	784	809	640	809	784	621
55°	533	570	508	570	533	478
65°	346	351	359	351	346	345
75°	178	168	192	168	178	191
85°	41	34	37	34	41	49
90°	28	1	28	1	28	15
95°	35	56	35	56	35	29
105°	40	274	40	274	40	93
115°	541	514	541	514	541	500
125°	740	725	740	725	740	661
135°	912	903	912	903	912	703
145°	1052	1042	1052	1042	1052	657
155°	1146	1148	1146	1148	1146	528
165°	1208	1210	1208	1210	1208	341
175°	1234	1239	1234	1239	1234	117
180°	1239	1239	1239	1239	1239	



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1363.7	1362.7	1360.3	1362.2	1358.3	1352.7	1352.3	1347.3	1332.8	1331.8	1327.9
5°	1526.6	1521.6	1521.0	1520.4	1511.6	1499.8	1477.4	1475.5	1445.7	1430.7	1412.7
7.5°	1737.5	1740.1	1731.1	1723.1	1696.5	1678.9	1654.9	1624.1	1587.4	1550.1	1525.3
10°	1889.0	1909.5	1884.0	1866.5	1850.4	1819.8	1784.4	1740.1	1695.9	1644.3	1605.0
12.5°	2051.4	2061.4	2056.3	2039.9	2014.7	1968.3	1905.4	1856.7	1816.0	1730.0	1695.2
15°	2272.5	2310.5	2286.2	2230.2	2231.3	2187.1	2105.0	2014.7	1966.8	1891.4	1788.7
17.5°	2508.0	2512.8	2502.4	2455.8	2424.6	2363.9	2288.1	2201.5	2104.4	2013.3	1904.2
20°	2633.5	2629.8	2608.0	2583.8	2530.2	2482.9	2400.1	2303.6	2179.1	2089.5	1970.5
22.5°	2703.3	2697.1	2686.8	2666.4	2621.9	2571.0	2496.7	2391.3	2272.7	2149.2	2011.8
25°	2697.1	2705.1	2706.4	2700.8	2685.3	2654.8	2596.2	2512.2	2393.9	2235.1	2091.9
27.5°	2453.0	2464.5	2497.8	2527.2	2560.3	2593.8	2589.3	2547.7	2460.1	2323.0	2147.9
30°	2208.9	2184.0	2245.7	2323.5	2376.5	2469.8	2522.1	2525.2	2476.0	2358.4	2187.8
32.5°	1870.3	1897.7	1924.9	2020.7	2136.4	2241.2	2345.3	2429.1	2438.7	2360.4	2211.2
35°	1453.1	1487.4	1537.2	1587.0	1711.5	1818.6	2001.6	2161.0	2288.1	2304.9	2213.3
37.5°	1171.0	1187.9	1219.4	1269.3	1350.8	1477.8	1619.4	1820.8	2004.9	2141.7	2147.7
40°	1023.6	1028.5	1064.0	1102.0	1168.0	1272.6	1400.2	1578.3	1798.6	1989.8	2069.5
42.5°	913.0	923.9	939.0	975.5	1028.0	1106.8	1225.4	1372.5	1574.5	1794.5	1950.4
45°	784.5	796.9	806.3	830.5	867.9	920.8	1003.6	1138.1	1291.9	1519.1	1728.9
47.5°	699.6	700.5	707.5	725.8	751.2	790.9	849.5	935.9	1077.1	1261.4	1476.8
50°	638.8	648.7	651.3	665.5	685.5	714.7	763.3	836.8	952.6	1114.4	1312.4
52.5°	596.0	599.0	605.9	616.2	633.7	656.5	698.5	756.1	847.0	984.9	1167.0
55°	532.9	532.9	539.8	547.9	557.9	578.4	606.4	648.7	717.9	824.9	975.6
57.5°	474.7	477.8	482.6	485.1	493.6	507.2	530.6	562.7	614.3	696.6	816.5
60°	435.8	441.4	440.8	445.8	453.3	463.8	483.8	509.9	556.0	621.9	722.9
62.5°	402.0	401.6	401.5	407.4	414.9	425.0	437.9	460.6	499.7	558.3	644.1
65°	346.2	344.9	349.3	353.0	355.5	363.0	373.0	392.8	419.0	462.6	529.2
67.5°	296.6	293.0	295.3	296.6	300.9	306.7	316.0	328.4	349.1	384.1	434.4
70°	262.8	259.6	259.0	260.2	264.0	268.3	275.2	287.0	306.3	334.3	371.1
72.5°	227.8	225.8	225.6	228.4	230.1	233.0	237.8	248.7	264.0	285.0	319.2
75°	178.1	178.1	178.1	178.7	180.5	183.1	186.8	192.3	204.2	219.1	242.2
77.5°	133.5	133.3	132.6	132.5	135.2	136.3	137.2	142.4	149.0	159.1	175.9
80°	104.6	101.5	102.7	104.6	105.8	106.5	108.4	109.6	115.2	120.8	132.6
82.5°	77.7	75.1	75.3	78.2	78.4	79.1	81.0	82.7	84.8	89.9	96.3
85°	41.1	41.1	41.7	41.7	42.3	41.7	43.6	44.2	44.2	47.3	51.0
87.5°	20.4	19.4	19.8	20.2	19.6	20.0	20.4	20.7	21.0	21.4	21.3
90°	27.6	27.2	26.8	26.4	26.0	25.3	24.6	23.7	22.9	22.1	19.4
92.5°	30.6	30.3	30.1	29.8	29.5	28.8	27.5	26.1	24.9	23.5	21.5
95°	34.9	34.9	34.9	34.9	34.9	34.2	32.8	31.4	29.9	28.5	26.3
97.5°	37.9	37.7	37.5	37.3	37.1	36.2	34.5	32.9	31.3	29.6	44.4
100°	38.7	38.4	38.3	38.0	37.9	36.9	35.3	33.7	32.0	30.3	62.3
102.5°	39.4	39.1	38.7	38.3	37.9	40.2	45.3	50.4	55.5	60.5	95.4
105°	40.5	40.1	39.7	39.3	38.9	56.7	92.9	129.1	165.3	201.5	220.0
107.5°	127.2	154.5	181.7	209.1	236.3	263.2	289.8	316.3	342.9	369.5	366.5
110°	253.1	282.3	311.6	340.9	370.1	388.1	394.8	401.6	408.4	415.1	412.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	434.2	440.4	446.6	452.7	458.9	462.0	461.8	461.7	461.6	461.4	459.2
115°	541.1	540.3	539.6	538.7	537.9	536.5	534.4	532.3	530.4	528.3	526.5
117.5°	601.2	601.0	600.9	600.7	600.6	599.6	598.0	596.4	594.7	593.1	592.2
120°	642.4	642.4	642.4	642.4	642.4	641.6	639.9	638.3	636.7	635.0	634.5
122.5°	682.9	682.8	682.5	682.4	682.2	681.6	680.5	679.3	678.2	677.0	676.2
125°	740.0	739.6	739.2	738.7	738.3	737.9	737.5	737.1	736.7	736.3	735.5
127.5°	794.8	795.3	795.7	796.1	796.5	796.3	795.7	795.0	794.4	793.7	792.7
130°	830.2	830.6	831.0	831.4	831.8	831.6	830.8	830.0	829.2	828.3	827.5
132.5°	862.5	863.2	863.7	864.3	864.8	864.7	864.0	863.1	862.3	861.5	860.8
135°	912.1	912.7	913.3	913.9	914.6	914.6	913.9	913.3	912.7	912.1	911.2
137.5°	958.6	959.1	959.5	959.9	960.3	960.0	959.0	958.1	957.0	956.1	955.6
140°	986.7	987.1	987.5	987.9	988.2	988.1	987.2	986.4	985.6	984.8	984.2
142.5°	1012.4	1013.0	1013.5	1014.2	1014.7	1014.6	1014.0	1013.4	1012.7	1012.0	1011.5
145°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.8	1051.4	1051.0	1050.5	1050.1	1049.7
147.5°	1081.4	1082.4	1083.3	1084.3	1085.2	1085.4	1085.1	1084.7	1084.3	1083.8	1083.4
150°	1103.5	1104.1	1104.8	1105.3	1106.0	1106.0	1105.6	1105.3	1104.9	1104.5	1104.1
152.5°	1121.2	1122.1	1123.1	1124.0	1125.0	1125.1	1124.3	1123.6	1122.8	1122.1	1121.9
155°	1145.9	1147.1	1148.3	1149.5	1150.7	1150.9	1149.9	1148.8	1147.8	1146.8	1146.6
157.5°	1166.6	1168.2	1169.8	1171.5	1173.1	1173.2	1172.0	1170.8	1169.6	1168.3	1168.5
160°	1179.9	1181.3	1182.8	1184.2	1185.7	1185.7	1184.5	1183.3	1182.1	1180.8	1181.1
162.5°	1192.4	1193.7	1194.9	1196.2	1197.5	1197.5	1196.0	1194.7	1193.3	1191.8	1192.1
165°	1207.5	1208.9	1210.4	1211.8	1213.2	1213.1	1211.5	1209.9	1208.2	1206.6	1206.8
167.5°	1218.4	1220.0	1221.6	1223.3	1225.0	1225.0	1223.3	1221.6	1220.0	1218.4	1218.4
170°	1225.0	1226.6	1228.3	1229.9	1231.5	1231.5	1229.9	1228.3	1226.6	1225.0	1225.0
172.5°	1228.7	1230.5	1232.3	1234.1	1235.9	1236.0	1234.3	1232.7	1231.1	1229.4	1229.2
175°	1234.2	1235.9	1237.5	1239.1	1240.7	1240.9	1239.4	1238.0	1236.6	1235.1	1234.9
177.5°	1235.9	1237.5	1239.1	1240.8	1242.4	1242.5	1241.3	1239.9	1238.7	1237.3	1237.2
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1324.8	1320.9	1316.9	1310.0	1303.9	1295.5	1293.0	1290.0	1281.0	1273.1	1267.1
5°	1405.8	1390.8	1369.0	1349.2	1333.0	1311.2	1298.7	1285.6	1266.9	1250.1	1236.4
7.5°	1490.5	1461.1	1427.2	1390.6	1356.5	1323.7	1297.1	1273.4	1247.3	1222.5	1203.2
10°	1557.7	1515.4	1468.1	1417.1	1373.4	1331.1	1295.6	1264.5	1230.9	1201.6	1177.3
12.5°	1634.4	1571.7	1506.4	1444.4	1392.9	1334.1	1291.1	1251.6	1213.5	1178.2	1151.0
15°	1725.2	1645.5	1568.3	1483.0	1404.5	1331.1	1280.1	1230.3	1186.1	1149.9	1115.1
17.5°	1807.9	1717.6	1615.9	1512.1	1417.5	1330.4	1258.9	1202.6	1147.3	1103.1	1068.3
20°	1854.7	1752.0	1636.8	1529.1	1424.5	1327.4	1249.0	1181.7	1121.9	1075.2	1036.0
22.5°	1895.1	1774.9	1655.7	1540.6	1424.0	1319.4	1230.5	1161.3	1096.5	1050.8	1009.1
25°	1936.9	1793.1	1673.6	1538.4	1408.3	1300.0	1200.4	1121.9	1057.2	1003.6	960.7
27.5°	1972.8	1791.8	1650.0	1504.7	1383.6	1275.1	1168.7	1084.6	1015.8	957.7	914.1
30°	1996.6	1794.3	1625.6	1481.8	1359.8	1247.7	1144.3	1059.6	987.5	928.3	887.2
32.5°	2011.6	1792.8	1603.1	1449.9	1321.9	1222.7	1117.9	1030.2	956.1	897.9	858.3
35°	2020.3	1781.9	1564.6	1384.0	1260.8	1164.3	1076.5	985.6	907.8	853.6	808.7
37.5°	2002.9	1758.8	1519.7	1320.5	1185.6	1090.5	1016.7	939.2	864.7	805.2	766.5
40°	1975.5	1743.9	1484.9	1275.7	1133.8	1042.2	979.4	903.4	829.9	773.2	737.1
42.5°	1923.2	1713.5	1446.5	1225.9	1080.0	988.4	930.5	867.0	797.6	744.3	708.3
45°	1795.6	1647.3	1389.0	1151.2	1000.5	905.9	854.8	808.7	745.8	694.2	663.1
47.5°	1618.5	1547.9	1305.8	1072.4	917.6	826.6	773.5	736.4	690.5	648.7	618.9
50°	1495.5	1466.2	1249.5	1018.6	862.3	773.2	722.2	688.6	655.6	613.9	586.5
52.5°	1353.5	1371.6	1183.8	962.7	806.0	718.5	670.4	643.7	613.8	579.5	555.6
55°	1153.7	1219.0	1070.2	869.1	722.2	638.8	593.3	569.7	552.2	526.7	506.2
57.5°	966.5	1049.7	947.5	772.6	639.9	567.9	524.3	498.6	487.4	474.0	457.9
60°	855.5	937.6	859.8	707.9	584.6	516.1	477.5	455.7	444.5	435.2	421.5
62.5°	756.3	839.5	774.1	642.1	530.3	466.8	433.2	411.9	403.2	398.3	386.7
65°	620.1	691.7	648.1	539.8	452.7	396.6	366.1	351.2	343.0	341.2	333.7
67.5°	504.7	559.2	527.4	447.7	379.1	330.7	304.8	292.2	285.9	285.3	279.6
70°	429.0	480.0	455.7	383.5	324.4	286.4	264.0	252.8	249.1	248.4	245.3
72.5°	370.2	405.8	386.5	326.2	280.5	246.1	229.6	217.9	213.7	214.5	212.5
75°	273.9	300.7	289.5	247.8	211.0	188.6	174.9	167.5	163.7	165.6	163.1
77.5°	197.1	214.0	204.0	175.1	152.4	136.3	126.1	121.5	118.2	118.0	116.9
80°	148.8	158.8	153.1	135.7	117.1	103.4	95.2	92.1	90.3	89.7	89.0
82.5°	106.0	114.5	107.8	95.9	83.2	74.9	70.3	66.2	64.9	65.3	64.6
85°	53.6	56.6	54.2	46.7	41.7	37.9	35.5	33.6	32.4	33.0	31.8
87.5°	21.8	21.8	19.7	17.3	15.8	13.9	13.5	12.1	11.6	12.0	11.9
90°	16.8	14.1	11.5	9.1	7.1	5.0	2.9	1.0	2.9	5.0	7.1
92.5°	19.6	17.6	15.5	14.8	15.4	16.0	16.6	17.1	16.6	16.0	15.4
95°	24.0	21.8	19.6	22.6	31.0	39.4	47.8	56.2	47.8	39.4	31.0
97.5°	59.1	73.8	88.6	97.8	101.6	105.3	109.1	112.8	109.1	105.3	101.6
100°	94.2	126.1	158.0	171.9	167.8	163.7	159.6	155.5	159.6	163.7	167.8
102.5°	130.2	165.1	199.9	215.9	212.9	210.0	207.1	204.1	207.1	210.0	212.9
105°	238.4	256.7	275.2	283.3	281.0	278.8	276.6	274.3	276.6	278.8	281.0
107.5°	363.6	360.8	357.8	355.5	353.6	351.9	350.1	348.2	350.1	351.9	353.6
110°	410.6	408.4	406.1	404.2	402.5	400.8	399.3	397.6	399.3	400.8	402.5



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	457.0	454.7	452.5	450.6	449.2	447.7	446.2	444.7	446.2	447.7	449.2
115°	524.6	522.8	520.9	519.4	518.2	516.9	515.7	514.5	515.7	516.9	518.2
117.5°	591.2	590.3	589.3	588.1	586.6	585.0	583.5	582.0	583.5	585.0	586.6
120°	633.8	633.2	632.6	631.4	629.5	627.7	625.8	624.0	625.8	627.7	629.5
122.5°	675.5	674.7	673.9	672.8	671.2	669.7	668.2	666.7	668.2	669.7	671.2
125°	734.7	733.8	733.0	731.8	730.2	728.5	726.9	725.2	726.9	728.5	730.2
127.5°	791.8	790.8	789.8	788.5	786.9	785.2	783.5	782.0	783.5	785.2	786.9
130°	826.7	825.9	825.1	823.8	822.2	820.5	819.0	817.3	819.0	820.5	822.2
132.5°	860.2	859.5	858.8	857.7	856.0	854.4	852.8	851.1	852.8	854.4	856.0
135°	910.5	909.7	908.8	907.8	906.6	905.3	904.1	902.9	904.1	905.3	906.6
137.5°	955.2	954.7	954.3	953.3	951.7	950.1	948.6	947.1	948.6	950.1	951.7
140°	983.6	982.9	982.3	981.4	980.2	979.0	977.7	976.5	977.7	979.0	980.2
142.5°	1010.8	1010.2	1009.6	1008.7	1007.4	1006.2	1005.0	1003.8	1005.0	1006.2	1007.4
145°	1049.3	1048.9	1048.5	1047.6	1046.2	1044.7	1043.3	1041.9	1043.3	1044.7	1046.2
147.5°	1083.0	1082.6	1082.2	1081.5	1080.5	1079.7	1078.7	1077.8	1078.7	1079.7	1080.5
150°	1103.6	1103.2	1102.8	1102.3	1101.7	1101.1	1100.4	1099.9	1100.4	1101.1	1101.7
152.5°	1121.7	1121.3	1121.1	1120.9	1120.5	1120.3	1120.0	1119.7	1120.0	1120.3	1120.5
155°	1146.4	1146.1	1146.0	1146.1	1146.4	1146.8	1147.3	1147.7	1147.3	1146.8	1146.4
157.5°	1168.7	1168.9	1169.1	1169.3	1169.3	1169.3	1169.3	1169.4	1169.3	1169.3	1169.3
160°	1181.2	1181.5	1181.6	1181.9	1182.1	1182.3	1182.5	1182.6	1182.5	1182.3	1182.1
162.5°	1192.3	1192.5	1192.7	1193.0	1193.6	1194.1	1194.7	1195.2	1194.7	1194.1	1193.6
165°	1207.0	1207.2	1207.4	1207.8	1208.5	1209.0	1209.7	1210.3	1209.7	1209.0	1208.5
167.5°	1218.4	1218.4	1218.4	1218.8	1219.6	1220.4	1221.2	1222.1	1221.2	1220.4	1219.6
170°	1225.0	1225.0	1225.0	1225.4	1226.2	1227.1	1227.9	1228.7	1227.9	1227.1	1226.2
172.5°	1229.1	1228.9	1228.8	1229.2	1230.2	1231.1	1232.2	1233.1	1232.2	1231.1	1230.2
175°	1234.7	1234.5	1234.3	1234.7	1235.7	1236.8	1237.8	1238.8	1237.8	1236.8	1235.7
177.5°	1237.0	1236.8	1236.7	1237.0	1237.9	1238.7	1239.4	1240.3	1239.4	1238.7	1237.9
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1263.6	1260.1	1255.1	1247.7	1241.7	1232.2	1232.2	1233.7	1233.7	1233.3	1232.2
5°	1225.3	1215.9	1204.8	1191.7	1178.0	1164.3	1161.7	1156.7	1153.0	1150.6	1147.5
7.5°	1184.8	1168.2	1151.9	1133.6	1116.9	1103.1	1093.5	1085.5	1080.5	1075.0	1071.0
10°	1157.4	1136.9	1117.5	1098.3	1077.1	1060.3	1049.7	1042.2	1036.6	1031.7	1029.1
12.5°	1125.1	1101.5	1080.2	1061.9	1038.7	1021.4	1011.4	1007.8	1001.2	990.8	985.3
15°	1077.7	1055.9	1030.4	1002.3	991.2	970.0	958.1	952.6	948.8	940.7	938.3
17.5°	1037.2	1008.7	980.1	959.2	938.3	921.1	914.6	907.6	902.6	896.0	894.1
20°	1004.9	979.4	953.2	930.8	908.9	890.3	884.7	879.7	874.7	871.6	869.1
22.5°	972.0	946.5	924.8	903.9	880.6	868.4	862.3	856.8	853.3	851.2	848.7
25°	925.8	903.4	879.1	860.4	841.8	833.6	829.9	826.8	824.3	821.2	820.5
27.5°	884.5	860.1	840.3	822.9	809.5	802.8	799.2	797.6	798.2	799.3	800.0
30°	853.6	831.2	815.0	800.0	787.6	781.3	780.7	780.7	783.2	783.9	785.1
32.5°	825.2	806.8	790.6	776.1	766.7	762.4	764.8	764.8	766.8	768.4	770.6
35°	783.9	767.6	755.2	742.8	734.7	736.5	737.8	739.0	742.1	745.8	748.4
37.5°	744.3	730.3	717.3	707.7	703.9	707.3	710.3	712.9	716.4	719.4	721.8
40°	716.0	705.4	692.9	684.2	685.5	687.4	689.8	692.9	696.1	697.9	700.4
42.5°	689.6	678.5	669.1	661.8	663.5	665.9	667.4	669.1	672.6	676.0	677.5
45°	649.4	640.6	631.9	627.6	628.8	630.1	631.3	633.2	636.3	638.8	639.4
47.5°	604.2	598.1	592.2	588.0	589.9	589.5	591.1	595.1	596.0	597.5	601.0
50°	575.3	569.7	562.8	561.6	561.6	561.6	562.2	567.2	567.2	569.7	572.2
52.5°	543.4	539.8	535.4	533.2	532.2	532.2	534.8	537.3	538.3	541.8	544.3
55°	496.2	492.5	488.7	486.9	485.6	486.9	491.9	493.1	496.2	498.0	499.9
57.5°	447.0	444.2	441.2	440.1	439.9	441.6	444.3	448.0	448.8	454.5	457.3
60°	414.6	410.3	407.8	407.8	406.5	412.2	410.9	417.2	418.4	422.2	426.5
62.5°	381.3	375.4	374.5	374.5	376.2	377.8	379.5	382.3	385.5	390.2	393.6
65°	327.5	324.4	328.8	328.1	326.9	330.6	330.6	333.7	337.5	341.8	348.6
67.5°	276.6	275.0	275.3	275.3	277.2	279.3	281.1	283.8	288.3	292.9	297.4
70°	242.2	244.1	241.0	243.4	245.3	245.9	247.2	250.9	255.9	259.0	264.0
72.5°	208.8	208.7	209.1	210.1	211.9	213.0	214.3	218.6	224.0	226.6	230.6
75°	160.7	160.0	161.8	161.8	165.0	166.2	167.5	169.4	174.4	178.1	181.2
77.5°	117.3	118.0	117.6	119.8	118.9	119.1	123.0	124.9	125.4	132.8	134.4
80°	88.4	89.7	90.3	90.9	91.5	90.3	94.7	96.5	96.5	100.8	103.9
82.5°	63.5	64.2	65.9	66.5	66.6	67.9	68.2	69.6	71.1	73.0	77.1
85°	31.8	33.6	34.2	33.6	34.2	33.0	34.9	35.5	36.1	36.1	36.1
87.5°	11.8	12.8	12.8	13.8	13.9	14.9	15.1	14.2	14.3	16.0	14.2
90°	9.1	11.5	14.1	16.8	19.4	22.1	22.9	23.7	24.6	25.3	26.0
92.5°	14.8	15.5	17.6	19.6	21.5	23.5	24.9	26.1	27.5	28.8	29.5
95°	22.6	19.6	21.8	24.0	26.3	28.5	29.9	31.4	32.8	34.2	34.9
97.5°	97.8	88.6	73.8	59.1	44.4	29.6	31.3	32.9	34.5	36.2	37.1
100°	171.9	158.0	126.1	94.2	62.3	30.3	32.0	33.7	35.3	36.9	37.9
102.5°	215.9	199.9	165.1	130.2	95.4	60.5	55.5	50.4	45.3	40.2	37.9
105°	283.3	275.2	256.7	238.4	220.0	201.5	165.3	129.1	92.9	56.7	38.9
107.5°	355.5	357.8	360.8	363.6	366.5	369.5	342.9	316.3	289.8	263.2	236.3
110°	404.2	406.1	408.4	410.6	412.8	415.1	408.4	401.6	394.8	388.1	370.1



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	450.6	452.5	454.7	457.0	459.2	461.4	461.6	461.7	461.8	462.0	458.9
115°	519.4	520.9	522.8	524.6	526.5	528.3	530.4	532.3	534.4	536.5	537.9
117.5°	588.1	589.3	590.3	591.2	592.2	593.1	594.7	596.4	598.0	599.6	600.6
120°	631.4	632.6	633.2	633.8	634.5	635.0	636.7	638.3	639.9	641.6	642.4
122.5°	672.8	673.9	674.7	675.5	676.2	677.0	678.2	679.3	680.5	681.6	682.2
125°	731.8	733.0	733.8	734.7	735.5	736.3	736.7	737.1	737.5	737.9	738.3
127.5°	788.5	789.8	790.8	791.8	792.7	793.7	794.4	795.0	795.7	796.3	796.5
130°	823.8	825.1	825.9	826.7	827.5	828.3	829.2	830.0	830.8	831.6	831.8
132.5°	857.7	858.8	859.5	860.2	860.8	861.5	862.3	863.1	864.0	864.7	864.8
135°	907.8	908.8	909.7	910.5	911.2	912.1	912.7	913.3	913.9	914.6	914.6
137.5°	953.3	954.3	954.7	955.2	955.6	956.1	957.0	958.1	959.0	960.0	960.3
140°	981.4	982.3	982.9	983.6	984.2	984.8	985.6	986.4	987.2	988.1	988.2
142.5°	1008.7	1009.6	1010.2	1010.8	1011.5	1012.0	1012.7	1013.4	1014.0	1014.6	1014.7
145°	1047.6	1048.5	1048.9	1049.3	1049.7	1050.1	1050.5	1051.0	1051.4	1051.8	1051.9
147.5°	1081.5	1082.2	1082.6	1083.0	1083.4	1083.8	1084.3	1084.7	1085.1	1085.4	1085.2
150°	1102.3	1102.8	1103.2	1103.6	1104.1	1104.5	1104.9	1105.3	1105.6	1106.0	1106.0
152.5°	1120.9	1121.1	1121.3	1121.7	1121.9	1122.1	1122.8	1123.6	1124.3	1125.1	1125.0
155°	1146.1	1146.0	1146.1	1146.4	1146.6	1146.8	1147.8	1148.8	1149.9	1150.9	1150.7
157.5°	1169.3	1169.1	1168.9	1168.7	1168.5	1168.3	1169.6	1170.8	1172.0	1173.2	1173.1
160°	1181.9	1181.6	1181.5	1181.2	1181.1	1180.8	1182.1	1183.3	1184.5	1185.7	1185.7
162.5°	1193.0	1192.7	1192.5	1192.3	1192.1	1191.8	1193.3	1194.7	1196.0	1197.5	1197.5
165°	1207.8	1207.4	1207.2	1207.0	1206.8	1206.6	1208.2	1209.9	1211.5	1213.1	1213.2
167.5°	1218.8	1218.4	1218.4	1218.4	1218.4	1218.4	1220.0	1221.6	1223.3	1225.0	1225.0
170°	1225.4	1225.0	1225.0	1225.0	1225.0	1225.0	1226.6	1228.3	1229.9	1231.5	1231.5
172.5°	1229.2	1228.8	1228.9	1229.1	1229.2	1229.4	1231.1	1232.7	1234.3	1236.0	1235.9
175°	1234.7	1234.3	1234.5	1234.7	1234.9	1235.1	1236.6	1238.0	1239.4	1240.9	1240.7
177.5°	1237.0	1236.7	1236.8	1237.0	1237.2	1237.3	1238.7	1239.9	1241.3	1242.5	1242.4
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1228.8	1228.3	1231.8	1229.2	1231.8	1228.3	1228.8	1232.2	1233.3	1233.7	1233.7
5°	1143.7	1145.6	1139.3	1139.3	1139.3	1145.6	1143.7	1147.5	1150.6	1153.0	1156.7
7.5°	1068.0	1065.2	1065.5	1062.2	1065.5	1065.2	1068.0	1071.0	1075.0	1080.5	1085.5
10°	1021.7	1018.0	1016.7	1017.3	1016.7	1018.0	1021.7	1029.1	1031.7	1036.6	1042.2
12.5°	983.3	982.5	974.4	974.5	974.4	982.5	983.3	985.3	990.8	1001.2	1007.8
15°	938.3	926.5	925.2	928.9	925.2	926.5	938.3	938.3	940.7	948.8	952.6
17.5°	893.0	886.8	887.2	885.3	887.2	886.8	893.0	894.1	896.0	902.6	907.6
20°	869.1	865.4	864.7	860.4	864.7	865.4	869.1	869.1	871.6	874.7	879.7
22.5°	847.2	846.0	846.4	841.5	846.4	846.0	847.2	848.7	851.2	853.3	856.8
25°	820.0	823.1	820.5	820.5	820.5	823.1	820.0	820.5	821.2	824.3	826.8
27.5°	801.5	801.4	800.2	800.2	800.2	801.4	801.5	800.0	799.3	798.2	797.6
30°	787.6	787.0	788.2	788.2	788.2	787.0	787.6	785.1	783.9	783.2	780.7
32.5°	773.6	774.5	774.8	775.2	774.8	774.5	773.6	770.6	768.4	766.8	764.8
35°	752.1	752.7	754.6	753.4	754.6	752.7	752.1	748.4	745.8	742.1	739.0
37.5°	722.9	725.8	725.2	726.2	725.2	725.8	722.9	721.8	719.4	716.4	712.9
40°	701.0	702.9	702.3	702.3	702.3	702.9	701.0	700.4	697.9	696.1	692.9
42.5°	678.7	680.0	678.3	677.4	678.3	680.0	678.7	677.5	676.0	672.6	669.1
45°	641.9	640.6	642.5	640.0	642.5	640.6	641.9	639.4	638.8	636.3	633.2
47.5°	600.8	602.1	602.5	604.4	602.5	602.1	600.8	601.0	597.5	596.0	595.1
50°	573.4	577.1	577.1	576.6	577.1	577.1	573.4	572.2	569.7	567.2	567.2
52.5°	546.5	548.3	550.7	550.6	550.7	548.3	546.5	544.3	541.8	538.3	537.3
55°	504.9	506.2	507.4	508.0	507.4	506.2	504.9	499.9	498.0	496.2	493.1
57.5°	461.8	461.4	464.3	465.2	464.3	461.4	461.8	457.3	454.5	448.8	448.0
60°	431.4	431.4	436.4	438.3	436.4	431.4	431.4	426.5	422.2	418.4	417.2
62.5°	399.1	401.1	406.1	403.5	406.1	401.1	399.1	393.6	390.2	385.5	382.3
65°	351.7	356.7	356.1	358.6	356.1	356.7	351.7	348.6	341.8	337.5	333.7
67.5°	302.3	305.5	309.9	310.3	309.9	305.5	302.3	297.4	292.9	288.3	283.8
70°	268.9	272.0	274.6	276.4	274.6	272.0	268.9	264.0	259.0	255.9	250.9
72.5°	236.6	238.2	244.2	241.5	244.2	238.2	236.6	230.6	226.6	224.0	218.6
75°	185.5	189.9	193.6	191.8	193.6	189.9	185.5	181.2	178.1	174.4	169.4
77.5°	137.2	141.6	143.3	141.7	143.3	141.6	137.2	134.4	132.8	125.4	124.9
80°	108.4	107.7	111.5	110.8	111.5	107.7	108.4	103.9	100.8	96.5	96.5
82.5°	79.5	78.8	80.6	81.0	80.6	78.8	79.5	77.1	73.0	71.1	69.6
85°	38.6	40.5	37.9	37.4	37.9	40.5	38.6	36.1	36.1	36.1	35.5
87.5°	14.3	14.3	13.9	13.5	13.9	14.3	14.3	14.2	16.0	14.3	14.2
90°	26.4	26.8	27.2	27.6	27.2	26.8	26.4	26.0	25.3	24.6	23.7
92.5°	29.8	30.1	30.3	30.6	30.3	30.1	29.8	29.5	28.8	27.5	26.1
95°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.2	32.8	31.4
97.5°	37.3	37.5	37.7	37.9	37.7	37.5	37.3	37.1	36.2	34.5	32.9
100°	38.0	38.3	38.4	38.7	38.4	38.3	38.0	37.9	36.9	35.3	33.7
102.5°	38.3	38.7	39.1	39.4	39.1	38.7	38.3	37.9	40.2	45.3	50.4
105°	39.3	39.7	40.1	40.5	40.1	39.7	39.3	38.9	56.7	92.9	129.1
107.5°	209.1	181.7	154.5	127.2	154.5	181.7	209.1	236.3	263.2	289.8	316.3
110°	340.9	311.6	282.3	253.1	282.3	311.6	340.9	370.1	388.1	394.8	401.6



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	452.7	446.6	440.4	434.2	440.4	446.6	452.7	458.9	462.0	461.8	461.7
115°	538.7	539.6	540.3	541.1	540.3	539.6	538.7	537.9	536.5	534.4	532.3
117.5°	600.7	600.9	601.0	601.2	601.0	600.9	600.7	600.6	599.6	598.0	596.4
120°	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	641.6	639.9	638.3
122.5°	682.4	682.5	682.8	682.9	682.8	682.5	682.4	682.2	681.6	680.5	679.3
125°	738.7	739.2	739.6	740.0	739.6	739.2	738.7	738.3	737.9	737.5	737.1
127.5°	796.1	795.7	795.3	794.8	795.3	795.7	796.1	796.5	796.3	795.7	795.0
130°	831.4	831.0	830.6	830.2	830.6	831.0	831.4	831.8	831.6	830.8	830.0
132.5°	864.3	863.7	863.2	862.5	863.2	863.7	864.3	864.8	864.7	864.0	863.1
135°	913.9	913.3	912.7	912.1	912.7	913.3	913.9	914.6	914.6	913.9	913.3
137.5°	959.9	959.5	959.1	958.6	959.1	959.5	959.9	960.3	960.0	959.0	958.1
140°	987.9	987.5	987.1	986.7	987.1	987.5	987.9	988.2	988.1	987.2	986.4
142.5°	1014.2	1013.5	1013.0	1012.4	1013.0	1013.5	1014.2	1014.7	1014.6	1014.0	1013.4
145°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.8	1051.4	1051.0
147.5°	1084.3	1083.3	1082.4	1081.4	1082.4	1083.3	1084.3	1085.2	1085.4	1085.1	1084.7
150°	1105.3	1104.8	1104.1	1103.5	1104.1	1104.8	1105.3	1106.0	1106.0	1105.6	1105.3
152.5°	1124.0	1123.1	1122.1	1121.2	1122.1	1123.1	1124.0	1125.0	1125.1	1124.3	1123.6
155°	1149.5	1148.3	1147.1	1145.9	1147.1	1148.3	1149.5	1150.7	1150.9	1149.9	1148.8
157.5°	1171.5	1169.8	1168.2	1166.6	1168.2	1169.8	1171.5	1173.1	1173.2	1172.0	1170.8
160°	1184.2	1182.8	1181.3	1179.9	1181.3	1182.8	1184.2	1185.7	1185.7	1184.5	1183.3
162.5°	1196.2	1194.9	1193.7	1192.4	1193.7	1194.9	1196.2	1197.5	1197.5	1196.0	1194.7
165°	1211.8	1210.4	1208.9	1207.5	1208.9	1210.4	1211.8	1213.2	1213.1	1211.5	1209.9
167.5°	1223.3	1221.6	1220.0	1218.4	1220.0	1221.6	1223.3	1225.0	1225.0	1223.3	1221.6
170°	1229.9	1228.3	1226.6	1225.0	1226.6	1228.3	1229.9	1231.5	1231.5	1229.9	1228.3
172.5°	1234.1	1232.3	1230.5	1228.7	1230.5	1232.3	1234.1	1235.9	1236.0	1234.3	1232.7
175°	1239.1	1237.5	1235.9	1234.2	1235.9	1237.5	1239.1	1240.7	1240.9	1239.4	1238.0
177.5°	1240.8	1239.1	1237.5	1235.9	1237.5	1239.1	1240.8	1242.4	1242.5	1241.3	1239.9
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1232.2	1232.2	1241.7	1247.7	1255.1	1260.1	1263.6	1267.1	1273.1	1281.0	1290.0
5°	1161.7	1164.3	1178.0	1191.7	1204.8	1215.9	1225.3	1236.4	1250.1	1266.9	1285.6
7.5°	1093.5	1103.1	1116.9	1133.6	1151.9	1168.2	1184.8	1203.2	1222.5	1247.3	1273.4
10°	1049.7	1060.3	1077.1	1098.3	1117.5	1136.9	1157.4	1177.3	1201.6	1230.9	1264.5
12.5°	1011.4	1021.4	1038.7	1061.9	1080.2	1101.5	1125.1	1151.0	1178.2	1213.5	1251.6
15°	958.1	970.0	991.2	1002.3	1030.4	1055.9	1077.7	1115.1	1149.9	1186.1	1230.3
17.5°	914.6	921.1	938.3	959.2	980.1	1008.7	1037.2	1068.3	1103.1	1147.3	1202.6
20°	884.7	890.3	908.9	930.8	953.2	979.4	1004.9	1036.0	1075.2	1121.9	1181.7
22.5°	862.3	868.4	880.6	903.9	924.8	946.5	972.0	1009.1	1050.8	1096.5	1161.3
25°	829.9	833.6	841.8	860.4	879.1	903.4	925.8	960.7	1003.6	1057.2	1121.9
27.5°	799.2	802.8	809.5	822.9	840.3	860.1	884.5	914.1	957.7	1015.8	1084.6
30°	780.7	781.3	787.6	800.0	815.0	831.2	853.6	887.2	928.3	987.5	1059.6
32.5°	764.8	762.4	766.7	776.1	790.6	806.8	825.2	858.3	897.9	956.1	1030.2
35°	737.8	736.5	734.7	742.8	755.2	767.6	783.9	808.7	853.6	907.8	985.6
37.5°	710.3	707.3	703.9	707.7	717.3	730.3	744.3	766.5	805.2	864.7	939.2
40°	689.8	687.4	685.5	684.2	692.9	705.4	716.0	737.1	773.2	829.9	903.4
42.5°	667.4	665.9	663.5	661.8	669.1	678.5	689.6	708.3	744.3	797.6	867.0
45°	631.3	630.1	628.8	627.6	631.9	640.6	649.4	663.1	694.2	745.8	808.7
47.5°	591.1	589.5	589.9	588.0	592.2	598.1	604.2	618.9	648.7	690.5	736.4
50°	562.2	561.6	561.6	561.6	562.8	569.7	575.3	586.5	613.9	655.6	688.6
52.5°	534.8	532.2	532.2	533.2	535.4	539.8	543.4	555.6	579.5	613.8	643.7
55°	491.9	486.9	485.6	486.9	488.7	492.5	496.2	506.2	526.7	552.2	569.7
57.5°	444.3	441.6	439.9	440.1	441.2	444.2	447.0	457.9	474.0	487.4	498.6
60°	410.9	412.2	406.5	407.8	407.8	410.3	414.6	421.5	435.2	444.5	455.7
62.5°	379.5	377.8	376.2	374.5	374.5	375.4	381.3	386.7	398.3	403.2	411.9
65°	330.6	330.6	326.9	328.1	328.8	324.4	327.5	333.7	341.2	343.0	351.2
67.5°	281.1	279.3	277.2	275.3	275.3	275.0	276.6	279.6	285.3	285.9	292.2
70°	247.2	245.9	245.3	243.4	241.0	244.1	242.2	245.3	248.4	249.1	252.8
72.5°	214.3	213.0	211.9	210.1	209.1	208.7	208.8	212.5	214.5	213.7	217.9
75°	167.5	166.2	165.0	161.8	161.8	160.0	160.7	163.1	165.6	163.7	167.5
77.5°	123.0	119.1	118.9	119.8	117.6	118.0	117.3	116.9	118.0	118.2	121.5
80°	94.7	90.3	91.5	90.9	90.3	89.7	88.4	89.0	89.7	90.3	92.1
82.5°	68.2	67.9	66.6	66.5	65.9	64.2	63.5	64.6	65.3	64.9	66.2
85°	34.9	33.0	34.2	33.6	34.2	33.6	31.8	31.8	33.0	32.4	33.6
87.5°	15.1	14.9	13.9	13.8	12.8	12.8	11.8	11.9	12.0	11.6	12.1
90°	22.9	22.1	19.4	16.8	14.1	11.5	9.1	7.1	5.0	2.9	1.0
92.5°	24.9	23.5	21.5	19.6	17.6	15.5	14.8	15.4	16.0	16.6	17.1
95°	29.9	28.5	26.3	24.0	21.8	19.6	22.6	31.0	39.4	47.8	56.2
97.5°	31.3	29.6	44.4	59.1	73.8	88.6	97.8	101.6	105.3	109.1	112.8
100°	32.0	30.3	62.3	94.2	126.1	158.0	171.9	167.8	163.7	159.6	155.5
102.5°	55.5	60.5	95.4	130.2	165.1	199.9	215.9	212.9	210.0	207.1	204.1
105°	165.3	201.5	220.0	238.4	256.7	275.2	283.3	281.0	278.8	276.6	274.3
107.5°	342.9	369.5	366.5	363.6	360.8	357.8	355.5	353.6	351.9	350.1	348.2
110°	408.4	415.1	412.8	410.6	408.4	406.1	404.2	402.5	400.8	399.3	397.6



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	461.6	461.4	459.2	457.0	454.7	452.5	450.6	449.2	447.7	446.2	444.7
115°	530.4	528.3	526.5	524.6	522.8	520.9	519.4	518.2	516.9	515.7	514.5
117.5°	594.7	593.1	592.2	591.2	590.3	589.3	588.1	586.6	585.0	583.5	582.0
120°	636.7	635.0	634.5	633.8	633.2	632.6	631.4	629.5	627.7	625.8	624.0
122.5°	678.2	677.0	676.2	675.5	674.7	673.9	672.8	671.2	669.7	668.2	666.7
125°	736.7	736.3	735.5	734.7	733.8	733.0	731.8	730.2	728.5	726.9	725.2
127.5°	794.4	793.7	792.7	791.8	790.8	789.8	788.5	786.9	785.2	783.5	782.0
130°	829.2	828.3	827.5	826.7	825.9	825.1	823.8	822.2	820.5	819.0	817.3
132.5°	862.3	861.5	860.8	860.2	859.5	858.8	857.7	856.0	854.4	852.8	851.1
135°	912.7	912.1	911.2	910.5	909.7	908.8	907.8	906.6	905.3	904.1	902.9
137.5°	957.0	956.1	955.6	955.2	954.7	954.3	953.3	951.7	950.1	948.6	947.1
140°	985.6	984.8	984.2	983.6	982.9	982.3	981.4	980.2	979.0	977.7	976.5
142.5°	1012.7	1012.0	1011.5	1010.8	1010.2	1009.6	1008.7	1007.4	1006.2	1005.0	1003.8
145°	1050.5	1050.1	1049.7	1049.3	1048.9	1048.5	1047.6	1046.2	1044.7	1043.3	1041.9
147.5°	1084.3	1083.8	1083.4	1083.0	1082.6	1082.2	1081.5	1080.5	1079.7	1078.7	1077.8
150°	1104.9	1104.5	1104.1	1103.6	1103.2	1102.8	1102.3	1101.7	1101.1	1100.4	1099.9
152.5°	1122.8	1122.1	1121.9	1121.7	1121.3	1121.1	1120.9	1120.5	1120.3	1120.0	1119.7
155°	1147.8	1146.8	1146.6	1146.4	1146.1	1146.0	1146.1	1146.4	1146.8	1147.3	1147.7
157.5°	1169.6	1168.3	1168.5	1168.7	1168.9	1169.1	1169.3	1169.3	1169.3	1169.3	1169.4
160°	1182.1	1180.8	1181.1	1181.2	1181.5	1181.6	1181.9	1182.1	1182.3	1182.5	1182.6
162.5°	1193.3	1191.8	1192.1	1192.3	1192.5	1192.7	1193.0	1193.6	1194.1	1194.7	1195.2
165°	1208.2	1206.6	1206.8	1207.0	1207.2	1207.4	1207.8	1208.5	1209.0	1209.7	1210.3
167.5°	1220.0	1218.4	1218.4	1218.4	1218.4	1218.4	1218.8	1219.6	1220.4	1221.2	1222.1
170°	1226.6	1225.0	1225.0	1225.0	1225.0	1225.0	1225.4	1226.2	1227.1	1227.9	1228.7
172.5°	1231.1	1229.4	1229.2	1229.1	1228.9	1228.8	1229.2	1230.2	1231.1	1232.2	1233.1
175°	1236.6	1235.1	1234.9	1234.7	1234.5	1234.3	1234.7	1235.7	1236.8	1237.8	1238.8
177.5°	1238.7	1237.3	1237.2	1237.0	1236.8	1236.7	1237.0	1237.9	1238.7	1239.4	1240.3
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1293.0	1295.5	1303.9	1310.0	1316.9	1320.9	1324.8	1327.9	1331.8	1332.8	1347.3
5°	1298.7	1311.2	1333.0	1349.2	1369.0	1390.8	1405.8	1412.7	1430.7	1445.7	1475.5
7.5°	1297.1	1323.7	1356.5	1390.6	1427.2	1461.1	1490.5	1525.3	1550.1	1587.4	1624.1
10°	1295.6	1331.1	1373.4	1417.1	1468.1	1515.4	1557.7	1605.0	1644.3	1695.9	1740.1
12.5°	1291.1	1334.1	1392.9	1444.4	1506.4	1571.7	1634.4	1695.2	1730.0	1816.0	1856.7
15°	1280.1	1331.1	1404.5	1483.0	1568.3	1645.5	1725.2	1788.7	1891.4	1966.8	2014.7
17.5°	1258.9	1330.4	1417.5	1512.1	1615.9	1717.6	1807.9	1904.2	2013.3	2104.4	2201.5
20°	1249.0	1327.4	1424.5	1529.1	1636.8	1752.0	1854.7	1970.5	2089.5	2179.1	2303.6
22.5°	1230.5	1319.4	1424.0	1540.6	1655.7	1774.9	1895.1	2011.8	2149.2	2272.7	2391.3
25°	1200.4	1300.0	1408.3	1538.4	1673.6	1793.1	1936.9	2091.9	2235.1	2393.9	2512.2
27.5°	1168.7	1275.1	1383.6	1504.7	1650.0	1791.8	1972.8	2147.9	2323.0	2460.1	2547.7
30°	1144.3	1247.7	1359.8	1481.8	1625.6	1794.3	1996.6	2187.8	2358.4	2476.0	2525.2
32.5°	1117.9	1222.7	1321.9	1449.9	1603.1	1792.8	2011.6	2211.2	2360.4	2438.7	2429.1
35°	1076.5	1164.3	1260.8	1384.0	1564.6	1781.9	2020.3	2213.3	2304.9	2288.1	2161.0
37.5°	1016.7	1090.5	1185.6	1320.5	1519.7	1758.8	2002.9	2147.7	2141.7	2004.9	1820.8
40°	979.4	1042.2	1133.8	1275.7	1484.9	1743.9	1975.5	2069.5	1989.8	1798.6	1578.3
42.5°	930.5	988.4	1080.0	1225.9	1446.5	1713.5	1923.2	1950.4	1794.5	1574.5	1372.5
45°	854.8	905.9	1000.5	1151.2	1389.0	1647.3	1795.6	1728.9	1519.1	1291.9	1138.1
47.5°	773.5	826.6	917.6	1072.4	1305.8	1547.9	1618.5	1476.8	1261.4	1077.1	935.9
50°	722.2	773.2	862.3	1018.6	1249.5	1466.2	1495.5	1312.4	1114.4	952.6	836.8
52.5°	670.4	718.5	806.0	962.7	1183.8	1371.6	1353.5	1167.0	984.9	847.0	756.1
55°	593.3	638.8	722.2	869.1	1070.2	1219.0	1153.7	975.6	824.9	717.9	648.7
57.5°	524.3	567.9	639.9	772.6	947.5	1049.7	966.5	816.5	696.6	614.3	562.7
60°	477.5	516.1	584.6	707.9	859.8	937.6	855.5	722.9	621.9	556.0	509.9
62.5°	433.2	466.8	530.3	642.1	774.1	839.5	756.3	644.1	558.3	499.7	460.6
65°	366.1	396.6	452.7	539.8	648.1	691.7	620.1	529.2	462.6	419.0	392.8
67.5°	304.8	330.7	379.1	447.7	527.4	559.2	504.7	434.4	384.1	349.1	328.4
70°	264.0	286.4	324.4	383.5	455.7	480.0	429.0	371.1	334.3	306.3	287.0
72.5°	229.6	246.1	280.5	326.2	386.5	405.8	370.2	319.2	285.0	264.0	248.7
75°	174.9	188.6	211.0	247.8	289.5	300.7	273.9	242.2	219.1	204.2	192.3
77.5°	126.1	136.3	152.4	175.1	204.0	214.0	197.1	175.9	159.1	149.0	142.4
80°	95.2	103.4	117.1	135.7	153.1	158.8	148.8	132.6	120.8	115.2	109.6
82.5°	70.3	74.9	83.2	95.9	107.8	114.5	106.0	96.3	89.9	84.8	82.7
85°	35.5	37.9	41.7	46.7	54.2	56.6	53.6	51.0	47.3	44.2	44.2
87.5°	13.5	13.9	15.8	17.3	19.7	21.8	21.8	21.3	21.4	21.0	20.7
90°	2.9	5.0	7.1	9.1	11.5	14.1	16.8	19.4	22.1	22.9	23.7
92.5°	16.6	16.0	15.4	14.8	15.5	17.6	19.6	21.5	23.5	24.9	26.1
95°	47.8	39.4	31.0	22.6	19.6	21.8	24.0	26.3	28.5	29.9	31.4
97.5°	109.1	105.3	101.6	97.8	88.6	73.8	59.1	44.4	29.6	31.3	32.9
100°	159.6	163.7	167.8	171.9	158.0	126.1	94.2	62.3	30.3	32.0	33.7
102.5°	207.1	210.0	212.9	215.9	199.9	165.1	130.2	95.4	60.5	55.5	50.4
105°	276.6	278.8	281.0	283.3	275.2	256.7	238.4	220.0	201.5	165.3	129.1
107.5°	350.1	351.9	353.6	355.5	357.8	360.8	363.6	366.5	369.5	342.9	316.3
110°	399.3	400.8	402.5	404.2	406.1	408.4	410.6	412.8	415.1	408.4	401.6



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	446.2	447.7	449.2	450.6	452.5	454.7	457.0	459.2	461.4	461.6	461.7
115°	515.7	516.9	518.2	519.4	520.9	522.8	524.6	526.5	528.3	530.4	532.3
117.5°	583.5	585.0	586.6	588.1	589.3	590.3	591.2	592.2	593.1	594.7	596.4
120°	625.8	627.7	629.5	631.4	632.6	633.2	633.8	634.5	635.0	636.7	638.3
122.5°	668.2	669.7	671.2	672.8	673.9	674.7	675.5	676.2	677.0	678.2	679.3
125°	726.9	728.5	730.2	731.8	733.0	733.8	734.7	735.5	736.3	736.7	737.1
127.5°	783.5	785.2	786.9	788.5	789.8	790.8	791.8	792.7	793.7	794.4	795.0
130°	819.0	820.5	822.2	823.8	825.1	825.9	826.7	827.5	828.3	829.2	830.0
132.5°	852.8	854.4	856.0	857.7	858.8	859.5	860.2	860.8	861.5	862.3	863.1
135°	904.1	905.3	906.6	907.8	908.8	909.7	910.5	911.2	912.1	912.7	913.3
137.5°	948.6	950.1	951.7	953.3	954.3	954.7	955.2	955.6	956.1	957.0	958.1
140°	977.7	979.0	980.2	981.4	982.3	982.9	983.6	984.2	984.8	985.6	986.4
142.5°	1005.0	1006.2	1007.4	1008.7	1009.6	1010.2	1010.8	1011.5	1012.0	1012.7	1013.4
145°	1043.3	1044.7	1046.2	1047.6	1048.5	1048.9	1049.3	1049.7	1050.1	1050.5	1051.0
147.5°	1078.7	1079.7	1080.5	1081.5	1082.2	1082.6	1083.0	1083.4	1083.8	1084.3	1084.7
150°	1100.4	1101.1	1101.7	1102.3	1102.8	1103.2	1103.6	1104.1	1104.5	1104.9	1105.3
152.5°	1120.0	1120.3	1120.5	1120.9	1121.1	1121.3	1121.7	1121.9	1122.1	1122.8	1123.6
155°	1147.3	1146.8	1146.4	1146.1	1146.0	1146.1	1146.4	1146.6	1146.8	1147.8	1148.8
157.5°	1169.3	1169.3	1169.3	1169.3	1169.1	1168.9	1168.7	1168.5	1168.3	1169.6	1170.8
160°	1182.5	1182.3	1182.1	1181.9	1181.6	1181.5	1181.2	1181.1	1180.8	1182.1	1183.3
162.5°	1194.7	1194.1	1193.6	1193.0	1192.7	1192.5	1192.3	1192.1	1191.8	1193.3	1194.7
165°	1209.7	1209.0	1208.5	1207.8	1207.4	1207.2	1207.0	1206.8	1206.6	1208.2	1209.9
167.5°	1221.2	1220.4	1219.6	1218.8	1218.4	1218.4	1218.4	1218.4	1218.4	1220.0	1221.6
170°	1227.9	1227.1	1226.2	1225.4	1225.0	1225.0	1225.0	1225.0	1225.0	1226.6	1228.3
172.5°	1232.2	1231.1	1230.2	1229.2	1228.8	1228.9	1229.1	1229.2	1229.4	1231.1	1232.7
175°	1237.8	1236.8	1235.7	1234.7	1234.3	1234.5	1234.7	1234.9	1235.1	1236.6	1238.0
177.5°	1239.4	1238.7	1237.9	1237.0	1236.7	1236.8	1237.0	1237.2	1237.3	1238.7	1239.9
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0
2.5°	1352.3	1352.7	1358.3	1362.2	1360.3	1362.7	1363.7
5°	1477.4	1499.8	1511.6	1520.4	1521.0	1521.6	1526.6
7.5°	1654.9	1678.9	1696.5	1723.1	1731.1	1740.1	1737.5
10°	1784.4	1819.8	1850.4	1866.5	1884.0	1909.5	1889.0
12.5°	1905.4	1968.3	2014.7	2039.9	2056.3	2061.4	2051.4
15°	2105.0	2187.1	2231.3	2230.2	2286.2	2310.5	2272.5
17.5°	2288.1	2363.9	2424.6	2455.8	2502.4	2512.8	2508.0
20°	2400.1	2482.9	2530.2	2583.8	2608.0	2629.8	2633.5
22.5°	2496.7	2571.0	2621.9	2666.4	2686.8	2697.1	2703.3
25°	2596.2	2654.8	2685.3	2700.8	2706.4	2705.1	2697.1
27.5°	2589.3	2593.8	2560.3	2527.2	2497.8	2464.5	2453.0
30°	2522.1	2469.8	2376.5	2323.5	2245.7	2184.0	2208.9
32.5°	2345.3	2241.2	2136.4	2020.7	1924.9	1897.7	1870.3
35°	2001.6	1818.6	1711.5	1587.0	1537.2	1487.4	1453.1
37.5°	1619.4	1477.8	1350.8	1269.3	1219.4	1187.9	1171.0
40°	1400.2	1272.6	1168.0	1102.0	1064.0	1028.5	1023.6
42.5°	1225.4	1106.8	1028.0	975.5	939.0	923.9	913.0
45°	1003.6	920.8	867.9	830.5	806.3	796.9	784.5
47.5°	849.5	790.9	751.2	725.8	707.5	700.5	699.6
50°	763.3	714.7	685.5	665.5	651.3	648.7	638.8
52.5°	698.5	656.5	633.7	616.2	605.9	599.0	596.0
55°	606.4	578.4	557.9	547.9	539.8	532.9	532.9
57.5°	530.6	507.2	493.6	485.1	482.6	477.8	474.7
60°	483.8	463.8	453.3	445.8	440.8	441.4	435.8
62.5°	437.9	425.0	414.9	407.4	401.5	401.6	402.0
65°	373.0	363.0	355.5	353.0	349.3	344.9	346.2
67.5°	316.0	306.7	300.9	296.6	295.3	293.0	296.6
70°	275.2	268.3	264.0	260.2	259.0	259.6	262.8
72.5°	237.8	233.0	230.1	228.4	225.6	225.8	227.8
75°	186.8	183.1	180.5	178.7	178.1	178.1	178.1
77.5°	137.2	136.3	135.2	132.5	132.6	133.3	133.5
80°	108.4	106.5	105.8	104.6	102.7	101.5	104.6
82.5°	81.0	79.1	78.4	78.2	75.3	75.1	77.7
85°	43.6	41.7	42.3	41.7	41.7	41.1	41.1
87.5°	20.4	20.0	19.6	20.2	19.8	19.4	20.4
90°	24.6	25.3	26.0	26.4	26.8	27.2	27.6
92.5°	27.5	28.8	29.5	29.8	30.1	30.3	30.6
95°	32.8	34.2	34.9	34.9	34.9	34.9	34.9
97.5°	34.5	36.2	37.1	37.3	37.5	37.7	37.9
100°	35.3	36.9	37.9	38.0	38.3	38.4	38.7
102.5°	45.3	40.2	37.9	38.3	38.7	39.1	39.4
105°	92.9	56.7	38.9	39.3	39.7	40.1	40.5
107.5°	289.8	263.2	236.3	209.1	181.7	154.5	127.2
110°	394.8	388.1	370.1	340.9	311.6	282.3	253.1



TEST NUMBER: P332081-927

CATALOG NUMBER: S123DIP-S1165D1195U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	461.8	462.0	458.9	452.7	446.6	440.4	434.2
115°	534.4	536.5	537.9	538.7	539.6	540.3	541.1
117.5°	598.0	599.6	600.6	600.7	600.9	601.0	601.2
120°	639.9	641.6	642.4	642.4	642.4	642.4	642.4
122.5°	680.5	681.6	682.2	682.4	682.5	682.8	682.9
125°	737.5	737.9	738.3	738.7	739.2	739.6	740.0
127.5°	795.7	796.3	796.5	796.1	795.7	795.3	794.8
130°	830.8	831.6	831.8	831.4	831.0	830.6	830.2
132.5°	864.0	864.7	864.8	864.3	863.7	863.2	862.5
135°	913.9	914.6	914.6	913.9	913.3	912.7	912.1
137.5°	959.0	960.0	960.3	959.9	959.5	959.1	958.6
140°	987.2	988.1	988.2	987.9	987.5	987.1	986.7
142.5°	1014.0	1014.6	1014.7	1014.2	1013.5	1013.0	1012.4
145°	1051.4	1051.8	1051.9	1051.9	1051.9	1051.9	1051.9
147.5°	1085.1	1085.4	1085.2	1084.3	1083.3	1082.4	1081.4
150°	1105.6	1106.0	1106.0	1105.3	1104.8	1104.1	1103.5
152.5°	1124.3	1125.1	1125.0	1124.0	1123.1	1122.1	1121.2
155°	1149.9	1150.9	1150.7	1149.5	1148.3	1147.1	1145.9
157.5°	1172.0	1173.2	1173.1	1171.5	1169.8	1168.2	1166.6
160°	1184.5	1185.7	1185.7	1184.2	1182.8	1181.3	1179.9
162.5°	1196.0	1197.5	1197.5	1196.2	1194.9	1193.7	1192.4
165°	1211.5	1213.1	1213.2	1211.8	1210.4	1208.9	1207.5
167.5°	1223.3	1225.0	1225.0	1223.3	1221.6	1220.0	1218.4
170°	1229.9	1231.5	1231.5	1229.9	1228.3	1226.6	1225.0
172.5°	1234.3	1236.0	1235.9	1234.1	1232.3	1230.5	1228.7
175°	1239.4	1240.9	1240.7	1239.1	1237.5	1235.9	1234.2
177.5°	1241.3	1242.5	1242.4	1240.8	1239.1	1237.5	1235.9
180°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8

(END OF REPORT)