

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1012036

Luminaire Tested: S123DIP-B775D585UB30-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012036
REPORT IS A COMBINATION OF REPORTS P990423 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D585UB30-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

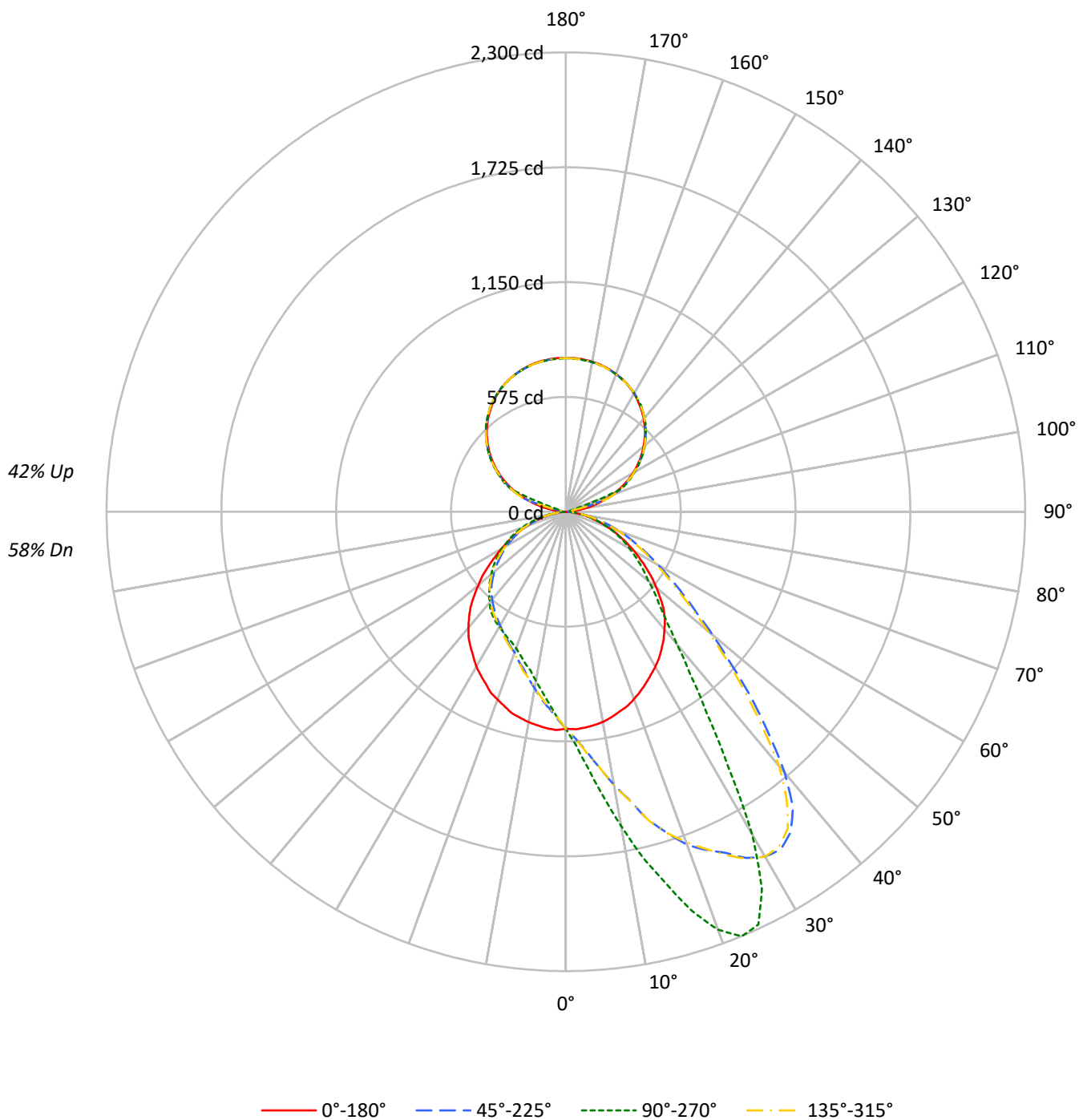
Lumens per Lamp: N/A
Luminaire Lumens: 5626.0 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.3
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	55
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46
3	83	74	67	61	78	69	63	58	61	56	52	52	49	46	45	42	40
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	40	37	34
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	29	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11694	11694	11694	11694
5°	11702	13475	11736	10057
10°	11627	16305	11639	8781
15°	11467	19337	11560	7904
20°	11329	22263	11353	7273
25°	11123	22824	11148	6945
30°	10977	18858	10977	6729
35°	10795	12611	10727	6538
40°	10577	9103	10446	6246
45°	10304	7211	10007	5883
50°	9638	6125	9295	5527
55°	8907	5382	8545	5130
60°	8167	4686	7734	4713
65°	7354	4013	6998	4157
70°	6511	3330	6075	3504
75°	5565	2511	5208	2704
80°	4403	1676	4055	1777
85°	3035	769	2430	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	1.9
10°-20°	343.2	6.1
20°-30°	577.4	10.3
30°-40°	652.6	11.6
40°-50°	584.5	10.4
50°-60°	471.8	8.4
60°-70°	328.8	5.8
70°-80°	172.6	3.1
80°-90°	42.9	0.8
90°-100°	27.1	0.5
100°-110°	131.2	2.3
110°-120°	321.4	5.7
120°-130°	408.1	7.3
130°-140°	435.9	7.7
140°-150°	407.6	7.2
150°-160°	328.8	5.8
160°-170°	212.2	3.8
170°-180°	73.1	1.3
0°-30°	1027.5	18.3
0°-40°	1680.0	29.9
0°-60°	2736.3	48.6
0°-90°	3280.5	58.3
90°-120°	479.7	8.5
90°-150°	1731.4	30.8
90°-180°	2345.0	41.7
0°-180°	5626.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1086	1086	1086	1086	1086	
5°	1085	1291	1088	963	1085	103
15°	1036	1921	1044	785	1036	293
25°	948	2280	950	694	948	437
35°	836	1228	831	637	836	523
45°	694	663	674	541	694	531
55°	492	451	472	430	492	440
65°	304	293	290	303	304	303
75°	146	150	137	162	146	157
85°	32	35	25	32	32	36
90°	1	17	1	17	1	4
95°	35	22	35	22	35	42
105°	170	25	170	25	170	181
115°	320	336	320	336	320	316
125°	450	460	450	460	450	402
135°	561	566	561	566	561	432
145°	647	653	647	653	647	405
155°	713	712	713	712	713	328
165°	752	750	752	750	752	212
175°	769	766	769	766	769	73
180°	769	769	769	769	769	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1089.6	1098.0	1102.2	1108.5	1114.8	1124.3	1127.5	1132.7	1130.6	1134.8	1137.0
5°	1085.4	1100.1	1112.7	1128.5	1143.3	1153.8	1164.3	1181.2	1193.8	1195.9	1205.4
7.5°	1078.0	1099.1	1121.2	1143.3	1171.7	1188.5	1207.5	1230.6	1249.6	1280.1	1291.7
10°	1068.5	1098.0	1129.6	1160.1	1199.1	1225.4	1248.5	1287.5	1326.4	1358.0	1387.5
12.5°	1053.8	1090.6	1131.7	1177.0	1227.5	1258.0	1289.6	1341.2	1400.1	1448.6	1480.1
15°	1035.9	1082.2	1134.8	1183.3	1239.1	1295.9	1329.6	1387.5	1471.7	1517.0	1598.1
17.5°	1021.2	1068.5	1121.2	1197.0	1272.8	1329.6	1353.8	1460.1	1518.0	1593.8	1685.4
20°	998.0	1058.0	1125.4	1201.2	1299.1	1333.8	1383.3	1490.7	1562.3	1661.2	1773.9
22.5°	973.8	1038.0	1119.1	1198.0	1307.5	1344.3	1411.7	1497.0	1610.7	1708.6	1832.8
25°	947.5	1016.9	1099.1	1192.7	1300.1	1353.8	1417.0	1522.3	1645.4	1768.6	1883.3
27.5°	921.1	996.9	1082.2	1175.9	1280.1	1343.3	1406.5	1515.9	1673.8	1807.5	1953.9
30°	895.9	971.7	1056.9	1152.7	1262.2	1323.3	1383.3	1520.2	1696.0	1846.5	1993.9
32.5°	868.5	946.4	1035.9	1115.9	1226.4	1291.7	1359.1	1520.2	1709.6	1869.7	2004.4
35°	835.9	915.9	992.7	1072.7	1182.2	1254.9	1330.7	1509.6	1722.3	1877.0	1960.2
37.5°	804.3	874.8	941.1	1019.0	1133.8	1211.7	1299.1	1497.0	1716.0	1845.4	1868.6
40°	768.5	839.0	892.7	965.4	1086.4	1177.0	1265.4	1480.1	1688.6	1770.7	1703.3
42.5°	733.8	789.6	835.9	906.4	1038.0	1126.4	1222.2	1449.6	1634.9	1651.7	1500.1
45°	693.8	733.8	774.8	854.8	985.4	1075.9	1182.2	1405.4	1548.6	1500.1	1308.6
47.5°	642.2	678.0	723.2	796.9	929.6	1023.3	1124.3	1348.6	1423.3	1322.2	1112.7
50°	592.7	623.2	665.3	736.9	870.6	962.2	1069.6	1259.1	1295.9	1137.0	959.0
52.5°	543.2	566.4	607.4	679.0	812.7	901.1	999.0	1167.5	1146.4	975.9	818.0
55°	491.6	511.6	550.6	621.1	745.3	829.6	923.2	1054.8	1000.1	838.0	711.6
57.5°	441.1	462.2	502.2	561.1	678.0	760.1	834.8	938.0	855.9	726.4	614.8
60°	395.8	413.7	444.3	502.2	608.5	674.8	743.2	813.8	745.3	620.1	534.8
62.5°	348.5	365.3	393.7	446.4	537.9	596.9	651.6	709.5	633.7	542.2	466.4
65°	304.2	317.9	344.2	392.7	467.4	515.8	560.1	600.1	539.0	454.8	397.9
67.5°	264.2	275.8	297.9	341.1	404.3	439.0	474.8	508.5	456.9	389.5	341.1
70°	221.1	230.5	250.6	282.1	332.7	368.5	394.8	420.0	373.7	320.0	287.4
72.5°	183.2	192.7	205.3	237.9	272.7	294.8	323.2	336.9	310.6	266.3	233.7
75°	146.3	153.7	165.3	186.3	219.0	233.7	251.6	262.1	237.9	208.4	188.4
77.5°	114.7	117.9	126.3	141.1	163.2	180.0	193.7	200.0	183.2	164.2	147.4
80°	81.1	85.3	91.6	104.2	121.1	126.3	134.8	142.1	131.6	114.7	104.2
82.5°	53.7	59.0	62.1	67.4	77.9	84.2	86.3	92.6	83.2	76.8	72.6
85°	31.6	33.7	34.7	37.9	43.2	46.3	49.5	50.5	48.4	47.4	43.2
87.5°	15.8	15.8	15.8	17.9	18.9	21.1	22.1	22.1	22.1	21.1	20.0
90°	0.6	1.9	3.1	4.4	5.7	6.3	7.1	8.8	10.4	12.1	13.7
92.5°	13.1	12.3	11.6	10.8	10.1	9.7	10.3	11.4	12.6	13.7	14.9
95°	34.9	29.7	24.5	19.2	14.0	11.4	12.1	13.5	14.9	16.3	17.7
97.5°	63.4	59.8	56.3	52.7	49.2	47.4	44.2	37.7	31.2	24.8	18.3
100°	96.6	99.1	101.7	104.2	106.7	108.0	98.1	78.3	58.5	38.7	18.9
102.5°	134.3	136.0	137.6	139.3	141.0	141.8	130.7	108.6	86.5	64.4	42.3
105°	170.3	171.7	173.1	174.5	175.9	176.6	170.9	159.5	148.0	136.6	125.2
107.5°	208.6	209.8	210.9	212.1	213.2	213.8	214.7	216.6	218.5	220.4	222.3
110°	246.9	247.9	248.9	250.0	251.0	251.5	252.2	253.6	255.0	256.4	257.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	283.5	284.4	285.3	286.2	287.1	287.5	288.2	289.6	291.0	292.4	293.8
115°	319.5	320.3	321.0	321.8	322.5	322.9	323.5	324.6	325.8	326.9	328.1
117.5°	355.0	355.9	356.8	357.7	358.6	359.0	359.3	359.9	360.6	361.2	361.8
120°	387.5	388.7	389.8	391.0	392.1	392.7	392.9	393.3	393.6	394.0	394.4
122.5°	420.7	421.6	422.5	423.4	424.3	424.7	425.0	425.5	426.0	426.5	427.0
125°	450.4	451.4	452.4	453.5	454.5	455.0	455.3	455.8	456.3	456.8	457.3
127.5°	480.1	481.1	482.1	483.2	484.2	484.7	485.0	485.7	486.3	487.0	487.6
130°	507.6	508.6	509.6	510.6	511.6	512.1	512.4	512.9	513.4	513.9	514.4
132.5°	533.9	534.9	535.9	536.9	537.9	538.4	538.6	539.0	539.4	539.8	540.2
135°	560.7	561.5	562.3	563.0	563.8	564.2	564.4	564.9	565.4	565.9	566.4
137.5°	583.6	584.6	585.6	586.7	587.7	588.2	588.3	588.6	588.8	589.1	589.3
140°	606.5	607.3	608.0	608.8	609.5	609.9	610.1	610.5	610.8	611.2	611.6
142.5°	627.6	628.4	629.1	629.9	630.6	631.0	631.2	631.6	632.0	632.4	632.8
145°	647.0	647.9	648.8	649.7	650.6	651.0	651.1	651.4	651.7	651.9	652.2
147.5°	665.9	666.5	667.2	667.8	668.5	668.8	668.9	669.2	669.4	669.7	669.9
150°	683.1	683.5	683.9	684.2	684.6	684.8	684.9	685.2	685.4	685.7	685.9
152.5°	698.5	698.6	698.8	698.9	699.0	699.1	699.2	699.3	699.4	699.5	699.6
155°	712.8	712.5	712.3	712.0	711.7	711.6	711.7	711.8	711.9	712.1	712.2
157.5°	724.2	724.2	724.2	724.2	724.2	724.2	724.1	724.0	723.9	723.7	723.6
160°	734.5	734.4	734.2	734.1	734.0	733.9	733.8	733.7	733.6	733.5	733.4
162.5°	744.2	743.8	743.4	743.1	742.7	742.5	742.4	742.3	742.2	742.0	741.9
165°	751.6	751.2	750.8	750.5	750.1	749.9	749.8	749.7	749.6	749.5	749.4
167.5°	757.9	757.4	756.9	756.4	755.9	755.6	755.6	755.6	755.6	755.6	755.6
170°	763.1	762.6	762.1	761.6	761.1	760.8	760.8	760.8	760.8	760.8	760.8
172.5°	766.5	765.9	765.2	764.6	763.9	763.6	763.7	763.8	763.9	764.1	764.2
175°	769.4	768.8	768.1	767.5	766.8	766.5	766.6	766.7	766.8	767.0	767.1
177.5°	770.5	769.9	769.2	768.6	767.9	767.6	767.7	767.8	767.9	768.1	768.2
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1144.3	1146.4	1153.8	1159.1	1169.6	1168.5	1168.5	1167.5	1164.3	1169.6	1172.7
5°	1224.3	1242.2	1244.3	1267.5	1268.5	1278.0	1284.3	1279.1	1291.7	1290.7	1281.2
7.5°	1323.3	1347.5	1359.1	1381.2	1406.5	1400.1	1424.4	1428.6	1426.5	1437.0	1444.4
10°	1431.7	1473.8	1503.3	1544.4	1554.9	1561.2	1577.0	1590.7	1618.1	1597.0	1610.7
12.5°	1555.9	1586.5	1625.4	1690.7	1723.3	1744.4	1751.8	1761.2	1780.2	1768.6	1769.6
15°	1660.2	1701.2	1767.5	1848.6	1858.1	1884.4	1878.1	1934.9	1962.3	1921.2	1944.4
17.5°	1768.6	1823.3	1902.3	1972.8	2012.8	2030.7	2047.6	2102.3	2100.2	2093.9	2099.2
20°	1838.1	1927.6	2025.5	2119.2	2130.7	2144.4	2189.7	2212.9	2208.6	2226.5	2238.1
22.5°	1936.0	2030.7	2134.9	2197.1	2223.4	2239.2	2275.0	2289.7	2296.0	2300.2	2292.9
25°	2018.1	2119.2	2196.0	2250.7	2266.5	2275.0	2286.5	2290.8	2287.6	2280.2	2286.5
27.5°	2073.9	2155.0	2207.6	2232.9	2224.4	2210.7	2188.6	2173.9	2141.3	2125.5	2144.4
30°	2097.0	2132.8	2148.6	2106.5	2064.4	2030.7	1988.6	1910.7	1849.7	1867.6	1843.3
32.5°	2060.2	2037.0	1961.2	1852.8	1820.2	1765.4	1646.5	1554.9	1558.0	1509.6	1529.6
35°	1951.8	1846.5	1703.3	1539.1	1495.9	1466.5	1335.9	1315.9	1273.8	1228.5	1241.2
37.5°	1760.2	1606.5	1432.8	1311.7	1247.5	1183.3	1109.6	1065.4	1040.1	1021.2	1035.9
40°	1526.5	1339.1	1195.9	1087.5	1032.7	991.7	941.1	896.9	868.5	865.3	870.6
42.5°	1297.0	1139.1	1007.5	904.3	886.4	838.0	805.3	770.6	762.2	748.5	755.9
45°	1098.0	969.6	861.1	776.9	755.9	743.2	703.2	681.1	671.6	663.2	675.9
47.5°	953.8	819.0	740.1	689.5	668.5	647.4	625.3	610.6	603.2	604.3	603.2
50°	814.8	715.9	646.4	607.4	594.8	580.1	562.2	552.7	549.5	540.1	547.4
52.5°	701.1	629.5	581.1	544.3	534.8	524.3	509.5	504.3	496.9	494.8	494.8
55°	609.5	553.7	514.8	490.6	479.0	470.6	462.2	455.8	450.6	450.6	450.6
57.5°	537.9	489.5	461.1	440.0	435.8	427.4	417.9	417.9	410.6	409.5	412.7
60°	476.9	433.7	411.6	393.7	387.4	385.3	375.8	375.8	373.7	368.5	372.7
62.5°	414.8	383.2	364.2	350.6	344.2	344.2	336.9	331.6	331.6	332.7	330.6
65°	357.9	334.8	317.9	307.4	304.2	300.0	299.0	294.8	291.6	292.7	291.6
67.5°	307.4	289.5	277.9	269.5	264.2	262.1	259.0	259.0	256.9	257.9	252.7
70°	262.1	244.2	234.8	226.3	224.2	224.2	220.0	221.1	219.0	222.1	220.0
72.5°	215.8	202.1	194.8	191.6	189.5	188.4	186.3	184.2	183.2	185.3	184.2
75°	174.8	163.2	157.9	155.8	153.7	153.7	152.6	151.6	150.5	150.5	150.5
77.5°	135.8	128.4	122.1	124.2	121.1	122.1	119.0	119.0	120.0	119.0	119.0
80°	100.0	94.7	94.7	92.6	88.4	90.5	90.5	87.4	86.3	88.4	85.3
82.5°	66.3	65.3	63.2	62.1	60.0	61.1	60.0	59.0	57.9	60.0	57.9
85°	39.0	39.0	37.9	35.8	37.9	36.8	35.8	35.8	34.7	34.7	34.7
87.5°	20.0	17.9	17.9	16.8	17.9	15.8	16.8	15.8	14.7	15.8	14.7
90°	14.2	14.7	15.2	15.7	16.0	16.1	16.4	16.6	16.9	17.1	16.9
92.5°	15.8	16.7	17.6	18.5	18.9	19.0	19.1	19.2	19.3	19.4	19.3
95°	18.6	19.5	20.4	21.3	21.7	21.7	21.7	21.7	21.7	21.7	21.7
97.5°	19.3	20.3	21.4	22.4	22.9	23.0	23.1	23.2	23.3	23.4	23.3
100°	19.9	20.9	21.9	22.9	23.4	23.5	23.6	23.7	23.9	24.0	23.9
102.5°	38.1	33.9	29.7	25.5	23.4	23.5	23.8	24.1	24.3	24.6	24.3
105°	102.7	80.2	57.7	35.2	24.0	24.1	24.4	24.7	24.9	25.2	24.9
107.5°	202.7	183.2	163.6	144.1	134.3	126.0	109.3	92.7	76.0	59.4	76.0
110°	253.6	249.4	245.2	241.0	238.9	229.8	211.7	193.5	175.4	157.2	175.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	294.9	296.1	297.2	298.3	298.9	298.8	298.5	298.3	298.0	297.8	298.0
115°	329.4	330.6	331.9	333.2	333.8	334.1	334.6	335.1	335.6	336.1	335.6
117.5°	362.8	363.8	364.9	365.9	366.4	366.5	366.6	366.7	366.9	367.0	366.9
120°	395.4	396.4	397.5	398.5	399.0	399.0	399.0	399.0	399.0	399.0	399.0
122.5°	427.6	428.2	428.9	429.5	429.8	429.9	430.0	430.1	430.3	430.4	430.3
125°	457.5	457.8	458.0	458.3	458.4	458.5	458.8	459.1	459.3	459.6	459.3
127.5°	488.0	488.4	488.7	489.1	489.3	489.2	488.9	488.6	488.4	488.1	488.4
130°	514.9	515.4	515.9	516.4	516.7	516.6	516.3	516.1	515.8	515.6	515.8
132.5°	540.7	541.2	541.7	542.2	542.4	542.2	541.8	541.5	541.1	540.7	541.1
135°	566.8	567.2	567.6	568.0	568.2	568.0	567.6	567.2	566.8	566.4	566.8
137.5°	589.9	590.6	591.2	591.9	592.2	592.1	591.8	591.5	591.3	591.0	591.3
140°	612.1	612.6	613.1	613.6	613.9	613.8	613.5	613.2	613.0	612.7	613.0
142.5°	633.2	633.6	633.9	634.3	634.5	634.3	633.9	633.6	633.2	632.8	633.2
145°	652.4	652.7	652.9	653.2	653.3	653.3	653.3	653.3	653.3	653.3	653.3
147.5°	670.1	670.4	670.6	670.9	671.0	670.7	670.1	669.4	668.8	668.2	668.8
150°	686.2	686.4	686.7	687.0	687.1	686.9	686.5	686.1	685.7	685.3	685.7
152.5°	700.1	700.6	701.1	701.6	701.9	701.6	701.0	700.3	699.7	699.1	699.7
155°	712.8	713.5	714.1	714.8	715.1	714.7	713.9	713.2	712.4	711.6	712.4
157.5°	724.4	725.2	725.9	726.7	727.1	726.6	725.6	724.5	723.5	722.5	723.5
160°	734.2	734.9	735.7	736.4	736.8	736.4	735.5	734.6	733.7	732.8	733.7
162.5°	742.8	743.7	744.6	745.5	745.9	745.5	744.8	744.0	743.3	742.5	743.3
165°	750.4	751.4	752.4	753.4	753.9	753.5	752.6	751.7	750.8	749.9	750.8
167.5°	756.6	757.6	758.7	759.7	760.2	759.7	758.7	757.6	756.6	755.6	756.6
170°	761.8	762.8	763.9	764.9	765.4	764.9	763.9	762.8	761.8	760.8	761.8
172.5°	765.2	766.2	767.3	768.3	768.8	768.2	767.1	765.9	764.8	763.6	764.8
175°	768.0	768.9	769.8	770.7	771.1	770.6	769.6	768.5	767.5	766.5	767.5
177.5°	769.2	770.2	771.3	772.3	772.8	772.2	770.9	769.6	768.4	767.1	768.4
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1164.3	1167.5	1159.1	1157.0	1157.0	1161.2	1158.0	1129.6	1134.8	1128.5	1126.4
5°	1292.8	1286.4	1278.0	1273.8	1268.5	1253.8	1252.8	1220.1	1213.8	1192.7	1183.3
7.5°	1433.8	1428.6	1403.3	1400.1	1398.0	1384.3	1349.6	1314.9	1289.6	1265.4	1242.2
10°	1594.9	1579.1	1567.5	1544.4	1532.8	1513.8	1468.6	1435.9	1392.8	1355.9	1307.5
12.5°	1788.6	1770.7	1731.8	1714.9	1700.2	1647.5	1602.3	1565.4	1481.2	1455.9	1395.9
15°	1930.7	1892.8	1888.6	1851.8	1849.7	1791.8	1705.4	1665.4	1600.2	1507.5	1445.4
17.5°	2084.4	2050.7	2024.4	1980.2	1973.9	1919.1	1856.0	1758.1	1686.5	1598.1	1519.1
20°	2197.1	2179.2	2133.9	2116.0	2079.2	2032.8	1967.6	1846.5	1759.1	1670.7	1573.8
22.5°	2286.5	2268.6	2232.9	2208.6	2187.6	2127.6	2049.7	1946.5	1826.5	1710.7	1610.7
25°	2285.5	2280.2	2265.5	2253.9	2238.1	2193.9	2128.6	2029.7	1896.0	1768.6	1629.6
27.5°	2156.0	2170.7	2196.0	2208.6	2205.5	2199.2	2162.3	2079.2	1959.1	1807.5	1651.7
30°	1886.5	1940.2	1987.6	2050.7	2069.7	2116.0	2137.1	2089.7	1993.9	1852.8	1680.2
32.5°	1564.4	1642.3	1745.4	1780.2	1840.2	1929.7	2029.7	2047.6	1987.6	1879.1	1698.1
35°	1283.3	1347.5	1427.5	1482.3	1535.9	1681.2	1807.5	1917.0	1937.0	1865.4	1693.9
37.5°	1062.2	1107.5	1178.0	1224.3	1273.8	1398.0	1574.9	1717.0	1817.0	1819.1	1682.3
40°	902.2	922.2	983.3	1016.9	1064.3	1171.7	1329.6	1514.9	1661.2	1728.6	1651.7
42.5°	764.3	790.6	841.1	866.4	896.9	990.6	1094.8	1270.7	1451.7	1595.9	1594.9
45°	682.2	701.1	724.3	745.3	780.1	835.9	954.8	1086.4	1260.1	1423.3	1487.5
47.5°	609.5	627.4	650.6	656.9	680.1	732.7	805.3	920.1	1082.2	1244.3	1365.4
50°	548.5	563.2	579.0	590.6	601.1	644.3	699.0	795.9	925.4	1082.2	1232.8
52.5°	501.1	511.6	525.3	531.6	541.1	572.7	614.8	686.4	792.7	935.9	1082.2
55°	456.9	464.3	472.7	483.2	487.4	510.6	543.2	604.3	683.2	811.7	950.6
57.5°	415.8	419.0	424.3	430.6	435.8	455.8	484.3	525.3	594.8	693.8	825.3
60°	369.5	377.9	381.1	387.4	390.6	406.4	428.5	463.2	516.9	602.2	701.1
62.5°	330.6	335.8	341.1	344.2	351.6	356.9	374.8	406.4	450.6	513.7	603.2
65°	295.8	297.9	301.1	304.2	306.3	312.7	329.5	350.6	384.2	440.0	509.5
67.5°	255.8	257.9	262.1	263.2	265.3	273.7	283.2	301.1	329.5	371.6	428.5
70°	216.9	220.0	222.1	224.2	227.4	230.5	241.1	255.8	277.9	307.4	351.6
72.5°	183.2	186.3	186.3	188.4	187.4	191.6	202.1	212.7	227.4	251.6	290.6
75°	149.5	149.5	151.6	152.6	153.7	157.9	162.1	170.5	182.1	201.1	225.3
77.5°	117.9	116.9	119.0	119.0	119.0	122.1	126.3	130.5	137.9	151.6	170.5
80°	86.3	86.3	88.4	89.5	87.4	88.4	90.5	94.7	100.0	109.5	120.0
82.5°	56.8	61.1	60.0	61.1	60.0	62.1	63.2	64.2	66.3	70.5	77.9
85°	34.7	34.7	34.7	35.8	34.7	35.8	35.8	35.8	36.8	39.0	42.1
87.5°	14.7	14.7	14.7	15.8	14.7	14.7	15.8	14.7	15.8	15.8	16.8
90°	16.6	16.4	16.1	16.0	15.7	15.2	14.7	14.2	13.7	12.1	10.4
92.5°	19.2	19.1	19.0	18.9	18.5	17.6	16.7	15.8	14.9	13.7	12.6
95°	21.7	21.7	21.7	21.7	21.3	20.4	19.5	18.6	17.7	16.3	14.9
97.5°	23.2	23.1	23.0	22.9	22.4	21.4	20.3	19.3	18.3	24.8	31.2
100°	23.7	23.6	23.5	23.4	22.9	21.9	20.9	19.9	18.9	38.7	58.5
102.5°	24.1	23.8	23.5	23.4	25.5	29.7	33.9	38.1	42.3	64.4	86.5
105°	24.7	24.4	24.1	24.0	35.2	57.7	80.2	102.7	125.2	136.6	148.0
107.5°	92.7	109.3	126.0	134.3	144.1	163.6	183.2	202.7	222.3	220.4	218.5
110°	193.5	211.7	229.8	238.9	241.0	245.2	249.4	253.6	257.8	256.4	255.0

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	298.3	298.5	298.8	298.9	298.3	297.2	296.1	294.9	293.8	292.4	291.0
115°	335.1	334.6	334.1	333.8	333.2	331.9	330.6	329.4	328.1	326.9	325.8
117.5°	366.7	366.6	366.5	366.4	365.9	364.9	363.8	362.8	361.8	361.2	360.6
120°	399.0	399.0	399.0	399.0	398.5	397.5	396.4	395.4	394.4	394.0	393.6
122.5°	430.1	430.0	429.9	429.8	429.5	428.9	428.2	427.6	427.0	426.5	426.0
125°	459.1	458.8	458.5	458.4	458.3	458.0	457.8	457.5	457.3	456.8	456.3
127.5°	488.6	488.9	489.2	489.3	489.1	488.7	488.4	488.0	487.6	487.0	486.3
130°	516.1	516.3	516.6	516.7	516.4	515.9	515.4	514.9	514.4	513.9	513.4
132.5°	541.5	541.8	542.2	542.4	542.2	541.7	541.2	540.7	540.2	539.8	539.4
135°	567.2	567.6	568.0	568.2	568.0	567.6	567.2	566.8	566.4	565.9	565.4
137.5°	591.5	591.8	592.1	592.2	591.9	591.2	590.6	589.9	589.3	589.1	588.8
140°	613.2	613.5	613.8	613.9	613.6	613.1	612.6	612.1	611.6	611.2	610.8
142.5°	633.6	633.9	634.3	634.5	634.3	633.9	633.6	633.2	632.8	632.4	632.0
145°	653.3	653.3	653.3	653.3	653.2	652.9	652.7	652.4	652.2	651.9	651.7
147.5°	669.4	670.1	670.7	671.0	670.9	670.6	670.4	670.1	669.9	669.7	669.4
150°	686.1	686.5	686.9	687.1	687.0	686.7	686.4	686.2	685.9	685.7	685.4
152.5°	700.3	701.0	701.6	701.9	701.6	701.1	700.6	700.1	699.6	699.5	699.4
155°	713.2	713.9	714.7	715.1	714.8	714.1	713.5	712.8	712.2	712.1	711.9
157.5°	724.5	725.6	726.6	727.1	726.7	725.9	725.2	724.4	723.6	723.7	723.9
160°	734.6	735.5	736.4	736.8	736.4	735.7	734.9	734.2	733.4	733.5	733.6
162.5°	744.0	744.8	745.5	745.9	745.5	744.6	743.7	742.8	741.9	742.0	742.2
165°	751.7	752.6	753.5	753.9	753.4	752.4	751.4	750.4	749.4	749.5	749.6
167.5°	757.6	758.7	759.7	760.2	759.7	758.7	757.6	756.6	755.6	755.6	755.6
170°	762.8	763.9	764.9	765.4	764.9	763.9	762.8	761.8	760.8	760.8	760.8
172.5°	765.9	767.1	768.2	768.8	768.3	767.3	766.2	765.2	764.2	764.1	763.9
175°	768.5	769.6	770.6	771.1	770.7	769.8	768.9	768.0	767.1	767.0	766.8
177.5°	769.6	770.9	772.2	772.8	772.3	771.3	770.2	769.2	768.2	768.1	767.9
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1115.9	1112.7	1112.7	1110.6	1104.3	1092.7	1091.7	1093.8	1087.5	1081.2	1071.7
5°	1170.6	1150.6	1144.3	1138.0	1125.4	1104.3	1095.9	1088.5	1076.9	1063.3	1048.5
7.5°	1217.0	1188.5	1180.1	1168.5	1143.3	1113.8	1094.8	1079.1	1063.3	1044.3	1026.4
10°	1274.9	1233.8	1213.8	1197.0	1162.2	1121.2	1092.7	1069.6	1044.3	1021.2	998.0
12.5°	1340.1	1273.8	1267.5	1226.4	1186.4	1125.4	1090.6	1056.9	1023.3	994.8	970.6
15°	1394.9	1322.2	1295.9	1268.5	1191.7	1115.9	1082.2	1044.3	1005.4	974.8	939.0
17.5°	1429.6	1369.6	1313.8	1277.0	1197.0	1129.6	1064.3	1021.2	980.1	938.0	908.5
20°	1471.7	1384.3	1335.9	1286.4	1207.5	1119.1	1053.8	1000.1	949.6	911.7	875.9
22.5°	1513.8	1395.9	1355.9	1302.2	1209.6	1108.5	1034.8	981.1	923.2	885.4	846.4
25°	1509.6	1412.8	1346.4	1301.2	1188.5	1099.1	1012.7	949.6	895.9	847.5	808.5
27.5°	1512.8	1393.8	1326.4	1273.8	1173.8	1085.4	989.6	923.2	867.5	816.9	775.9
30°	1513.8	1365.4	1306.4	1243.3	1146.4	1052.7	963.3	895.9	836.9	782.2	745.3
32.5°	1510.7	1342.2	1268.5	1211.7	1103.3	1021.2	932.7	861.1	801.1	750.6	715.9
35°	1503.3	1314.9	1229.6	1158.0	1059.1	975.9	904.3	830.6	766.4	720.1	680.1
37.5°	1483.3	1285.4	1188.5	1118.0	1007.5	923.2	860.1	799.0	736.9	682.2	648.5
40°	1468.6	1245.4	1147.5	1070.6	951.7	869.6	816.9	759.0	698.0	648.5	615.9
42.5°	1434.9	1207.5	1105.4	1013.8	896.9	812.7	763.2	716.9	664.3	615.9	586.4
45°	1380.1	1166.4	1053.8	961.1	836.9	756.9	711.6	673.8	627.4	581.1	551.6
47.5°	1303.3	1107.5	999.0	906.4	778.0	696.9	651.6	623.2	586.4	547.4	522.2
50°	1220.1	1043.3	943.3	851.7	721.1	642.2	598.0	571.6	547.4	511.6	487.4
52.5°	1111.7	974.8	879.0	791.7	660.1	584.3	545.3	526.4	501.1	475.8	454.8
55°	1006.4	886.4	807.4	724.3	600.1	529.5	491.6	471.6	456.9	435.8	419.0
57.5°	884.3	804.3	731.7	655.9	544.3	480.0	444.3	420.0	410.6	401.1	385.3
60°	771.7	710.6	651.6	588.5	486.4	428.5	393.7	374.8	365.3	359.0	348.5
62.5°	668.5	621.1	570.6	520.1	427.4	374.8	348.5	329.5	321.1	320.0	310.6
65°	569.5	535.8	494.8	445.3	372.7	326.3	301.1	289.5	280.0	280.0	272.7
67.5°	470.6	447.4	414.8	380.0	323.2	280.0	256.9	246.3	241.1	241.1	235.8
70°	391.6	375.8	346.4	315.8	266.3	233.7	215.8	206.3	203.2	204.2	200.0
72.5°	317.9	301.1	276.9	254.8	217.9	193.7	181.1	170.5	165.3	166.3	165.3
75°	246.3	237.9	216.9	200.0	170.5	153.7	142.1	136.9	132.6	133.7	131.6
77.5°	185.3	172.6	161.1	149.5	131.6	117.9	108.4	103.2	100.0	100.0	100.0
80°	126.3	124.2	114.7	108.4	93.7	83.2	75.8	74.7	71.6	71.6	71.6
82.5°	82.1	76.8	71.6	67.4	59.0	52.6	49.5	47.4	46.3	45.3	47.4
85°	45.3	42.1	40.0	35.8	32.6	29.5	26.3	25.3	24.2	25.3	24.2
87.5°	17.9	14.7	14.7	13.7	12.6	11.6	11.6	9.5	9.5	8.4	8.4
90°	8.8	7.1	6.3	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4
92.5°	11.4	10.3	9.7	10.1	10.8	11.6	12.3	13.1	12.3	11.6	10.8
95°	13.5	12.1	11.4	14.0	19.2	24.5	29.7	34.9	29.7	24.5	19.2
97.5°	37.7	44.2	47.4	49.2	52.7	56.3	59.8	63.4	59.8	56.3	52.7
100°	78.3	98.1	108.0	106.7	104.2	101.7	99.1	96.6	99.1	101.7	104.2
102.5°	108.6	130.7	141.8	141.0	139.3	137.6	136.0	134.3	136.0	137.6	139.3
105°	159.5	170.9	176.6	175.9	174.5	173.1	171.7	170.3	171.7	173.1	174.5
107.5°	216.6	214.7	213.8	213.2	212.1	210.9	209.8	208.6	209.8	210.9	212.1
110°	253.6	252.2	251.5	251.0	250.0	248.9	247.9	246.9	247.9	248.9	250.0

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	289.6	288.2	287.5	287.1	286.2	285.3	284.4	283.5	284.4	285.3	286.2
115°	324.6	323.5	322.9	322.5	321.8	321.0	320.3	319.5	320.3	321.0	321.8
117.5°	359.9	359.3	359.0	358.6	357.7	356.8	355.9	355.0	355.9	356.8	357.7
120°	393.3	392.9	392.7	392.1	391.0	389.8	388.7	387.5	388.7	389.8	391.0
122.5°	425.5	425.0	424.7	424.3	423.4	422.5	421.6	420.7	421.6	422.5	423.4
125°	455.8	455.3	455.0	454.5	453.5	452.4	451.4	450.4	451.4	452.4	453.5
127.5°	485.7	485.0	484.7	484.2	483.2	482.1	481.1	480.1	481.1	482.1	483.2
130°	512.9	512.4	512.1	511.6	510.6	509.6	508.6	507.6	508.6	509.6	510.6
132.5°	539.0	538.6	538.4	537.9	536.9	535.9	534.9	533.9	534.9	535.9	536.9
135°	564.9	564.4	564.2	563.8	563.0	562.3	561.5	560.7	561.5	562.3	563.0
137.5°	588.6	588.3	588.2	587.7	586.7	585.6	584.6	583.6	584.6	585.6	586.7
140°	610.5	610.1	609.9	609.5	608.8	608.0	607.3	606.5	607.3	608.0	608.8
142.5°	631.6	631.2	631.0	630.6	629.9	629.1	628.4	627.6	628.4	629.1	629.9
145°	651.4	651.1	651.0	650.6	649.7	648.8	647.9	647.0	647.9	648.8	649.7
147.5°	669.2	668.9	668.8	668.5	667.8	667.2	666.5	665.9	666.5	667.2	667.8
150°	685.2	684.9	684.8	684.6	684.2	683.9	683.5	683.1	683.5	683.9	684.2
152.5°	699.3	699.2	699.1	699.0	698.9	698.8	698.6	698.5	698.6	698.8	698.9
155°	711.8	711.7	711.6	711.7	712.0	712.3	712.5	712.8	712.5	712.3	712.0
157.5°	724.0	724.1	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2
160°	733.7	733.8	733.9	734.0	734.1	734.2	734.4	734.5	734.4	734.2	734.1
162.5°	742.3	742.4	742.5	742.7	743.1	743.4	743.8	744.2	743.8	743.4	743.1
165°	749.7	749.8	749.9	750.1	750.5	750.8	751.2	751.6	751.2	750.8	750.5
167.5°	755.6	755.6	755.6	755.9	756.4	756.9	757.4	757.9	757.4	756.9	756.4
170°	760.8	760.8	760.8	761.1	761.6	762.1	762.6	763.1	762.6	762.1	761.6
172.5°	763.8	763.7	763.6	763.9	764.6	765.2	765.9	766.5	765.9	765.2	764.6
175°	766.7	766.6	766.5	766.8	767.5	768.1	768.8	769.4	768.8	768.1	767.5
177.5°	767.8	767.7	767.6	767.9	768.6	769.2	769.9	770.5	769.9	769.2	768.6
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1069.6	1068.5	1070.6	1064.3	1053.8	1048.5	1033.8	1030.6	1029.6	1030.6	1031.7
5°	1040.1	1039.1	1035.9	1025.4	1012.7	1003.3	985.4	984.3	978.0	971.7	974.8
7.5°	1011.7	1007.5	1001.2	987.5	970.6	960.1	945.4	934.8	926.4	921.1	916.9
10°	983.3	976.9	970.6	952.7	931.7	915.9	898.0	889.6	880.1	875.9	871.7
12.5°	946.4	940.1	928.5	907.5	894.8	874.8	856.9	848.5	843.2	834.8	829.6
15°	916.9	904.3	898.0	875.9	849.6	847.5	814.8	812.7	802.2	802.2	793.8
17.5°	883.2	873.8	862.2	840.1	821.1	802.2	785.3	779.0	769.5	767.4	763.2
20°	850.6	838.0	833.8	811.7	791.7	768.5	750.6	744.3	740.1	735.9	739.0
22.5°	816.9	806.4	795.9	775.9	761.1	738.0	727.4	721.1	714.8	712.7	713.8
25°	784.3	774.8	764.3	744.3	728.5	709.5	700.1	696.9	693.8	693.8	692.7
27.5°	752.7	743.2	733.8	715.9	700.1	686.4	679.0	675.9	672.7	674.8	676.9
30°	720.1	711.6	703.2	687.4	674.8	662.2	658.0	655.9	654.8	660.1	660.1
32.5°	690.6	683.2	676.9	662.2	649.5	639.0	635.9	636.9	638.0	641.1	643.2
35°	660.1	654.8	648.5	635.9	625.3	615.9	616.9	616.9	619.0	624.3	628.5
37.5°	632.7	625.3	620.1	609.5	601.1	592.7	595.8	599.0	601.1	607.4	609.5
40°	600.1	596.9	592.7	582.2	574.8	573.7	574.8	576.9	581.1	584.3	587.4
42.5°	573.7	569.5	564.3	555.8	549.5	550.6	551.6	553.7	555.8	561.1	564.3
45°	544.3	541.1	536.9	529.5	524.3	525.3	526.4	526.4	528.5	534.8	536.9
47.5°	511.6	512.7	507.4	500.0	496.9	496.9	496.9	499.0	504.3	506.4	507.4
50°	480.0	477.9	476.9	469.5	467.4	466.4	467.4	468.5	475.8	474.8	477.9
52.5°	446.4	446.4	445.3	441.1	437.9	437.9	435.8	441.1	443.2	445.3	448.5
55°	413.7	410.6	409.5	407.4	403.2	402.1	404.3	410.6	412.7	414.8	417.9
57.5°	377.9	377.9	375.8	372.7	372.7	372.7	372.7	376.9	380.0	382.1	388.5
60°	345.3	341.1	337.9	337.9	337.9	336.9	343.2	343.2	349.5	350.6	352.7
62.5°	306.3	304.2	302.1	303.2	302.1	304.2	306.3	310.6	311.6	314.8	317.9
65°	269.5	269.5	267.4	273.7	269.5	269.5	274.8	274.8	276.9	280.0	284.2
67.5°	233.7	234.8	232.7	232.7	234.8	235.8	236.9	241.1	242.1	246.3	251.6
70°	196.9	199.0	200.0	197.9	200.0	202.1	204.2	205.3	209.5	211.6	214.8
72.5°	164.2	166.3	163.2	164.2	165.3	167.4	168.4	170.5	172.6	179.0	181.1
75°	131.6	130.5	129.5	133.7	131.6	135.8	136.9	136.9	139.0	144.2	146.3
77.5°	101.1	101.1	102.1	100.0	103.2	102.1	103.2	106.3	109.5	109.5	117.9
80°	70.5	72.6	72.6	72.6	73.7	74.7	72.6	77.9	79.0	79.0	82.1
82.5°	45.3	46.3	45.3	47.4	47.4	49.5	48.4	49.5	51.6	53.7	54.7
85°	24.2	24.2	26.3	26.3	25.3	26.3	25.3	26.3	28.4	28.4	29.5
87.5°	8.4	8.4	8.4	8.4	9.5	8.4	9.5	9.5	8.4	8.4	11.6
90°	5.7	6.3	7.1	8.8	10.4	12.1	13.7	14.2	14.7	15.2	15.7
92.5°	10.1	9.7	10.3	11.4	12.6	13.7	14.9	15.8	16.7	17.6	18.5
95°	14.0	11.4	12.1	13.5	14.9	16.3	17.7	18.6	19.5	20.4	21.3
97.5°	49.2	47.4	44.2	37.7	31.2	24.8	18.3	19.3	20.3	21.4	22.4
100°	106.7	108.0	98.1	78.3	58.5	38.7	18.9	19.9	20.9	21.9	22.9
102.5°	141.0	141.8	130.7	108.6	86.5	64.4	42.3	38.1	33.9	29.7	25.5
105°	175.9	176.6	170.9	159.5	148.0	136.6	125.2	102.7	80.2	57.7	35.2
107.5°	213.2	213.8	214.7	216.6	218.5	220.4	222.3	202.7	183.2	163.6	144.1
110°	251.0	251.5	252.2	253.6	255.0	256.4	257.8	253.6	249.4	245.2	241.0

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	287.1	287.5	288.2	289.6	291.0	292.4	293.8	294.9	296.1	297.2	298.3
115°	322.5	322.9	323.5	324.6	325.8	326.9	328.1	329.4	330.6	331.9	333.2
117.5°	358.6	359.0	359.3	359.9	360.6	361.2	361.8	362.8	363.8	364.9	365.9
120°	392.1	392.7	392.9	393.3	393.6	394.0	394.4	395.4	396.4	397.5	398.5
122.5°	424.3	424.7	425.0	425.5	426.0	426.5	427.0	427.6	428.2	428.9	429.5
125°	454.5	455.0	455.3	455.8	456.3	456.8	457.3	457.5	457.8	458.0	458.3
127.5°	484.2	484.7	485.0	485.7	486.3	487.0	487.6	488.0	488.4	488.7	489.1
130°	511.6	512.1	512.4	512.9	513.4	513.9	514.4	514.9	515.4	515.9	516.4
132.5°	537.9	538.4	538.6	539.0	539.4	539.8	540.2	540.7	541.2	541.7	542.2
135°	563.8	564.2	564.4	564.9	565.4	565.9	566.4	566.8	567.2	567.6	568.0
137.5°	587.7	588.2	588.3	588.6	588.8	589.1	589.3	589.9	590.6	591.2	591.9
140°	609.5	609.9	610.1	610.5	610.8	611.2	611.6	612.1	612.6	613.1	613.6
142.5°	630.6	631.0	631.2	631.6	632.0	632.4	632.8	633.2	633.6	633.9	634.3
145°	650.6	651.0	651.1	651.4	651.7	651.9	652.2	652.4	652.7	652.9	653.2
147.5°	668.5	668.8	668.9	669.2	669.4	669.7	669.9	670.1	670.4	670.6	670.9
150°	684.6	684.8	684.9	685.2	685.4	685.7	685.9	686.2	686.4	686.7	687.0
152.5°	699.0	699.1	699.2	699.3	699.4	699.5	699.6	700.1	700.6	701.1	701.6
155°	711.7	711.6	711.7	711.8	711.9	712.1	712.2	712.8	713.5	714.1	714.8
157.5°	724.2	724.2	724.1	724.0	723.9	723.7	723.6	724.4	725.2	725.9	726.7
160°	734.0	733.9	733.8	733.7	733.6	733.5	733.4	734.2	734.9	735.7	736.4
162.5°	742.7	742.5	742.4	742.3	742.2	742.0	741.9	742.8	743.7	744.6	745.5
165°	750.1	749.9	749.8	749.7	749.6	749.5	749.4	750.4	751.4	752.4	753.4
167.5°	755.9	755.6	755.6	755.6	755.6	755.6	755.6	756.6	757.6	758.7	759.7
170°	761.1	760.8	760.8	760.8	760.8	760.8	760.8	761.8	762.8	763.9	764.9
172.5°	763.9	763.6	763.7	763.8	763.9	764.1	764.2	765.2	766.2	767.3	768.3
175°	766.8	766.5	766.6	766.7	766.8	767.0	767.1	768.0	768.9	769.8	770.7
177.5°	767.9	767.6	767.7	767.8	767.9	768.1	768.2	769.2	770.2	771.3	772.3
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1030.6	1031.7	1027.5	1024.3	1032.7	1027.5	1027.5	1028.5	1026.4	1029.6	1028.5
5°	972.7	973.8	966.4	968.5	964.3	963.3	962.2	968.5	967.5	966.4	968.5
7.5°	915.9	915.9	912.7	910.6	910.6	907.5	911.7	910.6	912.7	912.7	915.9
10°	868.5	870.6	865.3	860.1	859.0	860.1	860.1	861.1	862.2	869.6	868.5
12.5°	829.6	826.4	825.3	822.2	816.9	814.8	812.7	824.3	821.1	821.1	821.1
15°	786.4	793.8	792.7	783.2	781.1	785.3	783.2	783.2	793.8	792.7	791.7
17.5°	763.2	761.1	759.0	753.8	754.8	753.8	754.8	754.8	761.1	761.1	761.1
20°	736.9	732.7	732.7	730.6	730.6	727.4	731.7	732.7	736.9	736.9	738.0
22.5°	713.8	710.6	710.6	709.5	711.6	707.4	711.6	712.7	712.7	715.9	715.9
25°	693.8	691.6	691.6	693.8	693.8	693.8	693.8	698.0	694.8	695.9	694.8
27.5°	675.9	676.9	678.0	679.0	678.0	679.0	680.1	682.2	683.2	682.2	680.1
30°	659.0	662.2	663.2	663.2	665.3	666.4	667.4	667.4	668.5	665.3	667.4
32.5°	646.4	646.4	648.5	649.5	651.6	652.7	652.7	654.8	653.7	650.6	651.6
35°	628.5	628.5	632.7	634.8	638.0	636.9	638.0	638.0	639.0	636.9	633.7
37.5°	610.6	612.7	612.7	616.9	618.0	619.0	618.0	620.1	619.0	616.9	615.9
40°	589.5	588.5	589.5	592.7	593.7	593.7	593.7	595.8	595.8	595.8	594.8
42.5°	563.2	566.4	565.3	568.5	567.4	567.4	569.5	571.6	572.7	569.5	570.6
45°	537.9	537.9	540.1	540.1	541.1	541.1	545.3	543.2	545.3	543.2	544.3
47.5°	510.6	511.6	511.6	512.7	514.8	516.9	514.8	515.8	515.8	516.9	514.8
50°	480.0	480.0	482.2	485.3	489.5	487.4	486.4	490.6	487.4	487.4	485.3
52.5°	448.5	451.6	452.7	455.8	459.0	460.0	461.1	459.0	460.0	456.9	457.9
55°	417.9	419.0	423.2	426.4	429.5	429.5	428.5	429.5	430.6	426.4	426.4
57.5°	387.4	390.6	394.8	394.8	399.0	399.0	397.9	397.9	399.0	395.8	394.8
60°	354.8	357.9	363.2	363.2	369.5	370.6	368.5	366.4	366.4	363.2	364.2
62.5°	320.0	323.2	326.3	331.6	335.8	333.7	337.9	333.7	334.8	328.5	328.5
65°	289.5	290.6	295.8	301.1	301.1	303.2	301.1	302.1	299.0	299.0	294.8
67.5°	253.7	253.7	259.0	264.2	269.5	269.5	269.5	266.3	266.3	263.2	263.2
70°	222.1	221.1	226.3	229.5	232.7	233.7	231.6	230.5	228.4	225.3	224.2
72.5°	183.2	185.3	190.5	192.7	197.9	196.9	202.1	195.8	195.8	190.5	189.5
75°	148.4	150.5	155.8	159.0	162.1	162.1	165.3	162.1	157.9	155.8	154.8
77.5°	117.9	116.9	121.1	126.3	127.4	126.3	128.4	127.4	123.2	123.2	121.1
80°	84.2	87.4	91.6	90.5	94.7	93.7	93.7	91.6	91.6	88.4	90.5
82.5°	55.8	59.0	60.0	59.0	60.0	62.1	63.2	62.1	62.1	60.0	61.1
85°	29.5	29.5	31.6	32.6	31.6	31.6	32.6	35.8	33.7	31.6	33.7
87.5°	9.5	8.4	8.4	9.5	8.4	8.4	9.5	9.5	10.5	10.5	10.5
90°	16.0	16.1	16.4	16.6	16.9	17.1	16.9	16.6	16.4	16.1	16.0
92.5°	18.9	19.0	19.1	19.2	19.3	19.4	19.3	19.2	19.1	19.0	18.9
95°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
97.5°	22.9	23.0	23.1	23.2	23.3	23.4	23.3	23.2	23.1	23.0	22.9
100°	23.4	23.5	23.6	23.7	23.9	24.0	23.9	23.7	23.6	23.5	23.4
102.5°	23.4	23.5	23.8	24.1	24.3	24.6	24.3	24.1	23.8	23.5	23.4
105°	24.0	24.1	24.4	24.7	24.9	25.2	24.9	24.7	24.4	24.1	24.0
107.5°	134.3	126.0	109.3	92.7	76.0	59.4	76.0	92.7	109.3	126.0	134.3
110°	238.9	229.8	211.7	193.5	175.4	157.2	175.4	193.5	211.7	229.8	238.9

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	298.9	298.8	298.5	298.3	298.0	297.8	298.0	298.3	298.5	298.8	298.9
115°	333.8	334.1	334.6	335.1	335.6	336.1	335.6	335.1	334.6	334.1	333.8
117.5°	366.4	366.5	366.6	366.7	366.9	367.0	366.9	366.7	366.6	366.5	366.4
120°	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0	399.0
122.5°	429.8	429.9	430.0	430.1	430.3	430.4	430.3	430.1	430.0	429.9	429.8
125°	458.4	458.5	458.8	459.1	459.3	459.6	459.3	459.1	458.8	458.5	458.4
127.5°	489.3	489.2	488.9	488.6	488.4	488.1	488.4	488.6	488.9	489.2	489.3
130°	516.7	516.6	516.3	516.1	515.8	515.6	515.8	516.1	516.3	516.6	516.7
132.5°	542.4	542.2	541.8	541.5	541.1	540.7	541.1	541.5	541.8	542.2	542.4
135°	568.2	568.0	567.6	567.2	566.8	566.4	566.8	567.2	567.6	568.0	568.2
137.5°	592.2	592.1	591.8	591.5	591.3	591.0	591.3	591.5	591.8	592.1	592.2
140°	613.9	613.8	613.5	613.2	613.0	612.7	613.0	613.2	613.5	613.8	613.9
142.5°	634.5	634.3	633.9	633.6	633.2	632.8	633.2	633.6	633.9	634.3	634.5
145°	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
147.5°	671.0	670.7	670.1	669.4	668.8	668.2	668.8	669.4	670.1	670.7	671.0
150°	687.1	686.9	686.5	686.1	685.7	685.3	685.7	686.1	686.5	686.9	687.1
152.5°	701.9	701.6	701.0	700.3	699.7	699.1	699.7	700.3	701.0	701.6	701.9
155°	715.1	714.7	713.9	713.2	712.4	711.6	712.4	713.2	713.9	714.7	715.1
157.5°	727.1	726.6	725.6	724.5	723.5	722.5	723.5	724.5	725.6	726.6	727.1
160°	736.8	736.4	735.5	734.6	733.7	732.8	733.7	734.6	735.5	736.4	736.8
162.5°	745.9	745.5	744.8	744.0	743.3	742.5	743.3	744.0	744.8	745.5	745.9
165°	753.9	753.5	752.6	751.7	750.8	749.9	750.8	751.7	752.6	753.5	753.9
167.5°	760.2	759.7	758.7	757.6	756.6	755.6	756.6	757.6	758.7	759.7	760.2
170°	765.4	764.9	763.9	762.8	761.8	760.8	761.8	762.8	763.9	764.9	765.4
172.5°	768.8	768.2	767.1	765.9	764.8	763.6	764.8	765.9	767.1	768.2	768.8
175°	771.1	770.6	769.6	768.5	767.5	766.5	767.5	768.5	769.6	770.6	771.1
177.5°	772.8	772.2	770.9	769.6	768.4	767.1	768.4	769.6	770.9	772.2	772.8
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1031.7	1033.8	1034.8	1030.6	1027.5	1032.7	1040.1	1045.4	1049.6	1054.8	1058.0
5°	970.6	978.0	978.0	980.1	983.3	988.5	1002.2	1011.7	1020.1	1026.4	1031.7
7.5°	919.0	924.3	927.5	932.7	938.0	945.4	961.1	974.8	987.5	994.8	1003.3
10°	872.7	876.9	882.2	885.4	894.8	905.4	925.4	936.9	951.7	963.3	973.8
12.5°	828.5	843.2	846.4	845.3	853.8	865.3	885.4	903.2	919.0	930.6	942.2
15°	796.9	802.2	808.5	807.4	825.3	828.5	845.3	866.4	887.5	894.8	905.4
17.5°	762.2	770.6	776.9	780.1	785.3	796.9	812.7	828.5	855.9	856.9	884.3
20°	734.8	743.2	747.4	751.7	754.8	768.5	782.2	800.1	822.2	833.8	848.5
22.5°	716.9	721.1	724.3	727.4	731.7	739.0	755.9	775.9	790.6	803.2	812.7
25°	695.9	700.1	704.3	706.4	709.5	713.8	726.4	742.2	763.2	771.7	781.1
27.5°	681.1	681.1	683.2	683.2	687.4	691.6	701.1	715.9	732.7	743.2	755.9
30°	665.3	664.3	665.3	664.3	663.2	669.5	678.0	690.6	702.2	714.8	723.2
32.5°	649.5	648.5	648.5	649.5	645.3	648.5	652.7	664.3	676.9	683.2	692.7
35°	632.7	630.6	630.6	630.6	628.5	626.4	630.6	641.1	649.5	658.0	665.3
37.5°	615.9	612.7	612.7	610.6	608.5	605.3	605.3	613.7	625.3	628.5	638.0
40°	592.7	592.7	590.6	589.5	587.4	585.3	582.2	589.5	600.1	603.2	610.6
42.5°	569.5	566.4	565.3	565.3	565.3	562.2	560.1	565.3	571.6	576.9	581.1
45°	543.2	541.1	542.2	541.1	539.0	537.9	536.9	539.0	546.4	548.5	553.7
47.5°	514.8	513.7	513.7	512.7	511.6	512.7	508.5	513.7	515.8	517.9	522.2
50°	485.3	484.3	483.2	482.2	482.2	483.2	482.2	482.2	486.4	488.5	492.7
52.5°	455.8	452.7	452.7	451.6	451.6	449.5	451.6	452.7	454.8	456.9	459.0
55°	424.3	424.3	421.1	421.1	419.0	419.0	420.0	419.0	423.2	425.3	425.3
57.5°	393.7	389.5	390.6	388.5	386.4	385.3	385.3	387.4	389.5	389.5	391.6
60°	361.1	356.9	355.8	351.6	353.7	350.6	351.6	351.6	355.8	353.7	355.8
62.5°	328.5	323.2	320.0	317.9	317.9	319.0	316.9	315.8	317.9	320.0	324.2
65°	293.7	290.6	287.4	284.2	284.2	283.2	285.3	282.1	281.1	282.1	284.2
67.5°	257.9	254.8	251.6	248.4	249.5	246.3	244.2	247.4	245.3	246.3	248.4
70°	223.2	221.1	214.8	212.7	211.6	212.7	211.6	209.5	212.7	211.6	212.7
72.5°	188.4	186.3	183.2	177.9	177.9	176.9	175.8	175.8	174.8	174.8	174.8
75°	154.8	150.5	147.4	146.3	144.2	143.2	142.1	140.0	141.1	142.1	140.0
77.5°	120.0	114.7	113.7	113.7	110.5	110.5	111.6	110.5	109.5	109.5	109.5
80°	88.4	84.2	84.2	82.1	80.0	80.0	80.0	80.0	79.0	77.9	79.0
82.5°	56.8	55.8	54.7	54.7	56.8	52.6	54.7	53.7	52.6	52.6	51.6
85°	31.6	32.6	31.6	32.6	30.5	31.6	31.6	31.6	30.5	31.6	29.5
87.5°	11.6	11.6	11.6	12.6	12.6	12.6	12.6	12.6	13.7	12.6	12.6
90°	15.7	15.2	14.7	14.2	13.7	12.1	10.4	8.8	7.1	6.3	5.7
92.5°	18.5	17.6	16.7	15.8	14.9	13.7	12.6	11.4	10.3	9.7	10.1
95°	21.3	20.4	19.5	18.6	17.7	16.3	14.9	13.5	12.1	11.4	14.0
97.5°	22.4	21.4	20.3	19.3	18.3	24.8	31.2	37.7	44.2	47.4	49.2
100°	22.9	21.9	20.9	19.9	18.9	38.7	58.5	78.3	98.1	108.0	106.7
102.5°	25.5	29.7	33.9	38.1	42.3	64.4	86.5	108.6	130.7	141.8	141.0
105°	35.2	57.7	80.2	102.7	125.2	136.6	148.0	159.5	170.9	176.6	175.9
107.5°	144.1	163.6	183.2	202.7	222.3	220.4	218.5	216.6	214.7	213.8	213.2
110°	241.0	245.2	249.4	253.6	257.8	256.4	255.0	253.6	252.2	251.5	251.0

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	298.3	297.2	296.1	294.9	293.8	292.4	291.0	289.6	288.2	287.5	287.1
115°	333.2	331.9	330.6	329.4	328.1	326.9	325.8	324.6	323.5	322.9	322.5
117.5°	365.9	364.9	363.8	362.8	361.8	361.2	360.6	359.9	359.3	359.0	358.6
120°	398.5	397.5	396.4	395.4	394.4	394.0	393.6	393.3	392.9	392.7	392.1
122.5°	429.5	428.9	428.2	427.6	427.0	426.5	426.0	425.5	425.0	424.7	424.3
125°	458.3	458.0	457.8	457.5	457.3	456.8	456.3	455.8	455.3	455.0	454.5
127.5°	489.1	488.7	488.4	488.0	487.6	487.0	486.3	485.7	485.0	484.7	484.2
130°	516.4	515.9	515.4	514.9	514.4	513.9	513.4	512.9	512.4	512.1	511.6
132.5°	542.2	541.7	541.2	540.7	540.2	539.8	539.4	539.0	538.6	538.4	537.9
135°	568.0	567.6	567.2	566.8	566.4	565.9	565.4	564.9	564.4	564.2	563.8
137.5°	591.9	591.2	590.6	589.9	589.3	589.1	588.8	588.6	588.3	588.2	587.7
140°	613.6	613.1	612.6	612.1	611.6	611.2	610.8	610.5	610.1	609.9	609.5
142.5°	634.3	633.9	633.6	633.2	632.8	632.4	632.0	631.6	631.2	631.0	630.6
145°	653.2	652.9	652.7	652.4	652.2	651.9	651.7	651.4	651.1	651.0	650.6
147.5°	670.9	670.6	670.4	670.1	669.9	669.7	669.4	669.2	668.9	668.8	668.5
150°	687.0	686.7	686.4	686.2	685.9	685.7	685.4	685.2	684.9	684.8	684.6
152.5°	701.6	701.1	700.6	700.1	699.6	699.5	699.4	699.3	699.2	699.1	699.0
155°	714.8	714.1	713.5	712.8	712.2	712.1	711.9	711.8	711.7	711.6	711.7
157.5°	726.7	725.9	725.2	724.4	723.6	723.7	723.9	724.0	724.1	724.2	724.2
160°	736.4	735.7	734.9	734.2	733.4	733.5	733.6	733.7	733.8	733.9	734.0
162.5°	745.5	744.6	743.7	742.8	741.9	742.0	742.2	742.3	742.4	742.5	742.7
165°	753.4	752.4	751.4	750.4	749.4	749.5	749.6	749.7	749.8	749.9	750.1
167.5°	759.7	758.7	757.6	756.6	755.6	755.6	755.6	755.6	755.6	755.6	755.9
170°	764.9	763.9	762.8	761.8	760.8	760.8	760.8	760.8	760.8	760.8	761.1
172.5°	768.3	767.3	766.2	765.2	764.2	764.1	763.9	763.8	763.7	763.6	763.9
175°	770.7	769.8	768.9	768.0	767.1	767.0	766.8	766.7	766.6	766.5	766.8
177.5°	772.3	771.3	770.2	769.2	768.2	768.1	767.9	767.8	767.7	767.6	767.9
180°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4

TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1086.4	1086.4	1086.4	1086.4
2.5°	1063.3	1066.4	1076.9	1089.6
5°	1042.2	1050.6	1065.4	1085.4
7.5°	1019.0	1031.7	1052.7	1078.0
10°	992.7	1010.6	1036.9	1068.5
12.5°	964.3	987.5	1021.2	1053.8
15°	946.4	969.6	1000.1	1035.9
17.5°	911.7	939.0	970.6	1021.2
20°	875.9	906.4	947.5	998.0
22.5°	848.5	881.1	920.1	973.8
25°	815.9	849.6	891.7	947.5
27.5°	781.1	814.8	862.2	921.1
30°	754.8	787.4	832.7	895.9
32.5°	723.2	754.8	802.2	868.5
35°	687.4	723.2	768.5	835.9
37.5°	660.1	692.7	740.1	804.3
40°	630.6	659.0	705.3	768.5
42.5°	599.0	630.6	670.6	733.8
45°	569.5	592.7	633.7	693.8
47.5°	537.9	564.3	595.8	642.2
50°	504.3	526.4	561.1	592.7
52.5°	471.6	489.5	519.0	543.2
55°	436.9	454.8	476.9	491.6
57.5°	404.3	416.9	431.6	441.1
60°	364.2	376.9	386.4	395.8
62.5°	328.5	337.9	343.2	348.5
65°	291.6	296.9	300.0	304.2
67.5°	251.6	256.9	257.9	264.2
70°	214.8	215.8	217.9	221.1
72.5°	180.0	182.1	181.1	183.2
75°	144.2	146.3	144.2	146.3
77.5°	109.5	111.6	111.6	114.7
80°	79.0	80.0	81.1	81.1
82.5°	51.6	54.7	52.6	53.7
85°	29.5	30.5	30.5	31.6
87.5°	13.7	14.7	13.7	15.8
90°	4.4	3.1	1.9	0.6
92.5°	10.8	11.6	12.3	13.1
95°	19.2	24.5	29.7	34.9
97.5°	52.7	56.3	59.8	63.4
100°	104.2	101.7	99.1	96.6
102.5°	139.3	137.6	136.0	134.3
105°	174.5	173.1	171.7	170.3
107.5°	212.1	210.9	209.8	208.6
110°	250.0	248.9	247.9	246.9



TEST NUMBER: P1012036

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	286.2	285.3	284.4	283.5
115°	321.8	321.0	320.3	319.5
117.5°	357.7	356.8	355.9	355.0
120°	391.0	389.8	388.7	387.5
122.5°	423.4	422.5	421.6	420.7
125°	453.5	452.4	451.4	450.4
127.5°	483.2	482.1	481.1	480.1
130°	510.6	509.6	508.6	507.6
132.5°	536.9	535.9	534.9	533.9
135°	563.0	562.3	561.5	560.7
137.5°	586.7	585.6	584.6	583.6
140°	608.8	608.0	607.3	606.5
142.5°	629.9	629.1	628.4	627.6
145°	649.7	648.8	647.9	647.0
147.5°	667.8	667.2	666.5	665.9
150°	684.2	683.9	683.5	683.1
152.5°	698.9	698.8	698.6	698.5
155°	712.0	712.3	712.5	712.8
157.5°	724.2	724.2	724.2	724.2
160°	734.1	734.2	734.4	734.5
162.5°	743.1	743.4	743.8	744.2
165°	750.5	750.8	751.2	751.6
167.5°	756.4	756.9	757.4	757.9
170°	761.6	762.1	762.6	763.1
172.5°	764.6	765.2	765.9	766.5
175°	767.5	768.1	768.8	769.4
177.5°	768.6	769.2	769.9	770.5
180°	769.4	769.4	769.4	769.4

(END OF REPORT)