

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: P1012038

Luminaire Tested: S123DIP-B775D585UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012038
REPORT IS A COMBINATION OF REPORTS P990425 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-A4
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

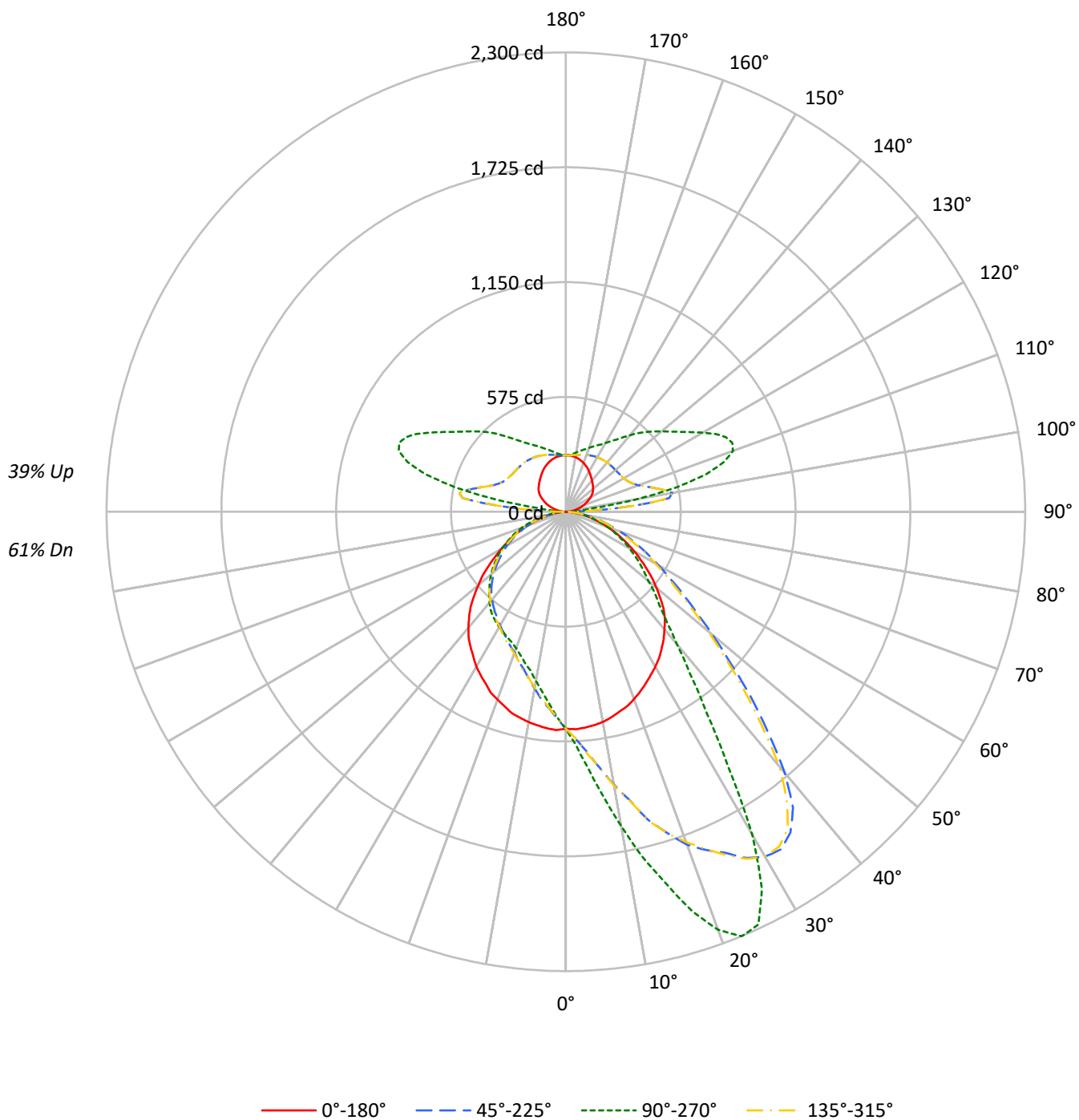
Lumens per Lamp: N/A
Luminaire Lumens: 5404.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1012038

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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66
1	101	96	92	89	94	90	87	84	79	76	74	68	67	65	59	58	56
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48
3	84	75	67	61	78	70	64	58	62	57	52	54	50	47	46	44	41
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	38	36
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31
6	65	53	45	39	61	50	43	37	44	39	34	39	34	31	34	31	28
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	25
8	56	44	36	31	52	41	34	29	37	31	27	33	28	24	29	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18

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

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.8	2.0
10°-20°	343.2	6.4
20°-30°	577.4	10.7
30°-40°	652.6	12.1
40°-50°	584.5	10.8
50°-60°	471.8	8.7
60°-70°	328.8	6.1
70°-80°	172.6	3.2
80°-90°	42.9	0.8
90°-100°	153.2	2.8
100°-110°	448.5	8.3
110°-120°	437.9	8.1
120°-130°	348.8	6.5
130°-140°	275.2	5.1
140°-150°	205.3	3.8
150°-160°	143.1	2.6
160°-170°	84.1	1.6
170°-180°	27.3	0.5
0°-30°	1027.5	19.0
0°-40°	1680.0	31.1
0°-60°	2736.3	50.6
0°-90°	3280.6	60.7
90°-120°	1039.6	19.2
90°-150°	1868.9	34.6
90°-180°	2123.0	39.3
0°-180°	5404.0	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°	19	66	19	66	19	21
105°	66	727	66	727	66	70
115°	117	884	117	884	117	116
125°	163	697	163	697	163	145
135°	191	565	191	565	191	147
145°	218	442	218	442	218	136
155°	247	366	247	366	247	114
165°	270	319	270	319	270	76
175°	282	287	282	287	282	27
180°	282	282	282	282	282	

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	1.1	2.3	3.4	5.1	6.3	6.8	7.4	9.1	10.9	12.6	14.3
92.5°	8.6	12.6	18.3	23.4	29.1	34.2	39.4	57.7	88.0	117.7	106.3
95°	19.4	21.1	27.4	37.1	52.0	63.2	74.3	122.9	208.0	301.7	338.9
97.5°	30.9	31.4	36.6	45.1	60.0	72.3	84.6	132.6	231.4	389.2	521.2
100°	42.3	42.9	46.9	54.9	68.6	79.8	90.9	130.9	215.4	365.7	541.2
102.5°	54.3	55.4	58.9	66.3	78.3	88.3	98.3	133.1	201.7	331.4	504.0
105°	66.3	68.0	71.4	78.3	89.1	98.0	106.9	137.7	196.6	304.6	459.4
107.5°	78.9	80.6	84.0	90.9	101.1	109.4	117.7	145.1	195.4	285.2	420.0
110°	92.6	94.3	97.1	103.4	113.1	121.1	129.1	154.9	198.3	274.9	387.4

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.1	106.9	109.7	116.0	125.7	133.4	141.1	164.6	204.0	269.1	365.7
115°	117.1	119.4	122.9	128.6	138.3	146.0	153.7	175.4	210.3	268.6	351.4
117.5°	129.1	132.0	134.9	140.0	150.9	158.0	165.1	186.9	218.3	269.1	341.7
120°	141.7	143.4	146.3	152.0	162.9	170.0	177.1	197.7	227.4	271.4	335.4
122.5°	152.6	154.3	157.1	163.4	173.7	181.4	189.1	209.1	236.0	275.4	331.4
125°	162.9	164.0	167.4	173.7	184.6	192.3	200.0	220.0	245.1	279.4	328.0
127.5°	170.9	172.6	176.6	182.9	194.9	202.6	210.3	229.7	252.6	284.0	326.3
130°	178.3	180.0	185.1	192.0	204.0	211.7	219.4	238.3	260.0	288.6	324.6
132.5°	184.0	186.3	192.0	200.6	212.6	220.0	227.4	245.7	266.9	292.0	324.0
135°	190.9	193.1	199.4	208.0	220.0	227.7	235.4	253.1	272.6	295.4	323.4
137.5°	197.1	199.4	205.7	214.9	226.9	234.0	241.1	258.3	277.2	297.7	322.3
140°	203.4	206.3	212.0	221.1	232.6	239.8	246.9	263.4	280.6	300.0	321.7
142.5°	210.3	212.6	218.9	226.9	238.3	244.8	251.4	267.4	284.0	301.7	320.6
145°	217.7	219.4	224.6	233.1	242.9	249.4	256.0	270.9	286.3	302.3	319.4
147.5°	225.1	226.3	231.4	238.9	248.6	254.3	260.0	273.7	288.0	302.3	317.7
150°	232.6	233.1	237.7	245.1	253.1	258.2	263.4	276.6	288.6	302.3	315.4
152.5°	240.0	240.0	244.6	250.9	257.7	262.5	267.4	278.3	289.7	300.6	312.6
155°	247.4	247.4	250.9	256.6	262.9	266.9	270.9	280.6	289.7	299.4	309.2
157.5°	253.1	253.7	256.6	261.7	267.4	270.5	273.7	281.7	290.3	297.7	306.3
160°	260.0	260.0	262.3	266.9	270.9	273.8	276.6	283.4	290.3	296.6	302.9
162.5°	265.1	265.1	266.9	270.3	273.7	276.0	278.3	284.0	289.7	294.3	299.4
165°	270.3	269.7	270.9	273.7	276.0	278.0	280.0	284.6	288.6	292.0	296.0
167.5°	274.3	273.7	274.3	276.6	278.3	279.8	281.2	284.6	288.0	289.7	292.6
170°	277.7	276.6	277.2	278.9	280.0	280.6	281.2	284.0	286.3	287.4	289.2
172.5°	280.0	279.4	279.4	280.6	281.2	281.4	281.7	284.0	285.7	285.7	286.3
175°	281.7	281.2	280.6	281.7	281.7	282.0	282.3	283.4	284.6	284.0	284.0
177.5°	282.9	282.3	281.7	282.3	282.3	282.3	282.3	282.9	284.0	282.9	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	13.7	14.3	14.9	15.4	16.0	16.6	16.0	16.6	17.1	16.6	17.1
92.5°	79.4	56.6	44.0	38.3	36.3	34.3	33.1	30.9	31.4	30.3	31.4
95°	274.9	205.7	139.4	109.1	98.8	88.6	77.7	72.6	68.6	66.3	68.6
97.5°	538.9	472.6	356.6	281.2	248.6	216.0	177.7	156.0	142.3	136.0	142.3
100°	653.7	673.7	627.4	560.6	520.0	479.4	421.7	380.0	357.7	358.3	357.7
102.5°	659.4	740.6	750.3	718.3	696.3	674.3	632.6	601.7	584.0	567.4	584.0
105°	623.4	742.9	800.0	810.9	803.4	796.0	769.7	748.0	729.7	726.9	729.7
107.5°	572.0	708.6	798.3	842.9	850.6	858.3	854.9	844.6	837.2	830.9	837.2
110°	524.0	654.9	760.0	832.0	852.0	872.0	888.0	892.6	891.5	890.3	891.5

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	482.3	601.7	709.7	792.6	819.8	846.9	879.5	896.0	901.7	902.3	901.7
115°	450.3	556.0	655.4	739.4	770.6	801.7	844.6	869.7	881.2	884.0	881.2
117.5°	429.2	520.6	608.6	685.7	718.0	750.3	794.9	822.9	840.0	844.0	840.0
120°	413.2	493.7	570.9	639.4	668.3	697.2	742.3	774.3	788.0	791.4	788.0
122.5°	400.0	472.6	540.6	602.9	629.2	655.4	694.3	722.3	737.7	742.3	737.7
125°	389.2	454.3	516.6	571.4	594.3	617.2	653.7	678.9	693.2	697.2	693.2
127.5°	378.9	437.7	494.3	544.6	565.8	586.9	620.0	641.7	654.9	658.3	654.9
130°	370.9	422.3	473.7	520.0	539.4	558.9	589.2	609.7	621.7	626.3	621.7
132.5°	363.4	408.0	454.3	496.6	514.9	533.2	561.2	581.7	592.0	594.9	592.0
135°	357.2	395.4	436.0	473.2	489.4	505.7	533.7	550.9	561.2	565.2	561.2
137.5°	351.4	383.4	417.7	450.9	465.4	480.0	504.0	521.7	530.3	533.7	530.3
140°	346.3	373.2	402.3	429.7	442.0	454.3	476.0	492.0	501.2	500.6	501.2
142.5°	341.7	363.4	387.4	410.3	420.6	430.9	448.6	462.3	470.3	469.7	470.3
145°	337.7	356.0	374.9	393.2	401.4	409.7	424.0	436.0	440.6	441.7	440.6
147.5°	333.7	349.7	365.2	380.6	386.6	392.6	404.0	412.6	417.2	417.7	417.2
150°	329.7	342.9	356.0	368.0	373.4	378.9	387.4	393.7	397.2	397.2	397.2
152.5°	325.2	336.6	347.4	357.7	362.0	366.3	372.6	378.3	380.0	380.0	380.0
155°	320.6	330.3	339.4	348.0	351.4	354.9	360.0	364.6	365.7	366.3	365.7
157.5°	315.4	323.4	331.4	338.3	341.2	344.0	348.6	352.0	353.2	353.2	353.2
160°	310.3	317.7	324.0	329.7	331.7	333.7	337.7	341.2	341.2	340.6	341.2
162.5°	305.2	310.9	316.0	321.2	322.9	324.6	326.9	329.7	329.7	329.2	329.7
165°	300.6	305.2	308.6	312.6	314.0	315.4	317.7	320.0	319.4	319.4	319.4
167.5°	296.0	300.0	302.9	305.2	306.3	307.4	308.6	310.3	309.7	309.7	309.7
170°	292.0	294.9	296.6	298.9	299.4	300.0	300.6	301.7	301.2	301.2	301.2
172.5°	288.0	290.3	291.4	293.2	293.4	293.7	293.7	294.9	293.7	293.2	293.7
175°	285.2	286.3	286.9	288.0	288.0	288.0	288.0	288.6	288.0	287.4	288.0
177.5°	282.9	283.4	284.0	284.6	284.6	284.6	284.0	284.6	283.4	283.4	283.4
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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	16.0	16.6	16.0	15.4	14.9	14.3	13.7	14.3	12.6	10.9
92.5°	30.9	33.1	34.3	36.3	38.3	44.0	56.6	79.4	106.3	117.7	88.0
95°	72.6	77.7	88.6	98.8	109.1	139.4	205.7	274.9	338.9	301.7	208.0
97.5°	156.0	177.7	216.0	248.6	281.2	356.6	472.6	538.9	521.2	389.2	231.4
100°	380.0	421.7	479.4	520.0	560.6	627.4	673.7	653.7	541.2	365.7	215.4
102.5°	601.7	632.6	674.3	696.3	718.3	750.3	740.6	659.4	504.0	331.4	201.7
105°	748.0	769.7	796.0	803.4	810.9	800.0	742.9	623.4	459.4	304.6	196.6
107.5°	844.6	854.9	858.3	850.6	842.9	798.3	708.6	572.0	420.0	285.2	195.4
110°	892.6	888.0	872.0	852.0	832.0	760.0	654.9	524.0	387.4	274.9	198.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	896.0	879.5	846.9	819.8	792.6	709.7	601.7	482.3	365.7	269.1	204.0
115°	869.7	844.6	801.7	770.6	739.4	655.4	556.0	450.3	351.4	268.6	210.3
117.5°	822.9	794.9	750.3	718.0	685.7	608.6	520.6	429.2	341.7	269.1	218.3
120°	774.3	742.3	697.2	668.3	639.4	570.9	493.7	413.2	335.4	271.4	227.4
122.5°	722.3	694.3	655.4	629.2	602.9	540.6	472.6	400.0	331.4	275.4	236.0
125°	678.9	653.7	617.2	594.3	571.4	516.6	454.3	389.2	328.0	279.4	245.1
127.5°	641.7	620.0	586.9	565.8	544.6	494.3	437.7	378.9	326.3	284.0	252.6
130°	609.7	589.2	558.9	539.4	520.0	473.7	422.3	370.9	324.6	288.6	260.0
132.5°	581.7	561.2	533.2	514.9	496.6	454.3	408.0	363.4	324.0	292.0	266.9
135°	550.9	533.7	505.7	489.4	473.2	436.0	395.4	357.2	323.4	295.4	272.6
137.5°	521.7	504.0	480.0	465.4	450.9	417.7	383.4	351.4	322.3	297.7	277.2
140°	492.0	476.0	454.3	442.0	429.7	402.3	373.2	346.3	321.7	300.0	280.6
142.5°	462.3	448.6	430.9	420.6	410.3	387.4	363.4	341.7	320.6	301.7	284.0
145°	436.0	424.0	409.7	401.4	393.2	374.9	356.0	337.7	319.4	302.3	286.3
147.5°	412.6	404.0	392.6	386.6	380.6	365.2	349.7	333.7	317.7	302.3	288.0
150°	393.7	387.4	378.9	373.4	368.0	356.0	342.9	329.7	315.4	302.3	288.6
152.5°	378.3	372.6	366.3	362.0	357.7	347.4	336.6	325.2	312.6	300.6	289.7
155°	364.6	360.0	354.9	351.4	348.0	339.4	330.3	320.6	309.2	299.4	289.7
157.5°	352.0	348.6	344.0	341.2	338.3	331.4	323.4	315.4	306.3	297.7	290.3
160°	341.2	337.7	333.7	331.7	329.7	324.0	317.7	310.3	302.9	296.6	290.3
162.5°	329.7	326.9	324.6	322.9	321.2	316.0	310.9	305.2	299.4	294.3	289.7
165°	320.0	317.7	315.4	314.0	312.6	308.6	305.2	300.6	296.0	292.0	288.6
167.5°	310.3	308.6	307.4	306.3	305.2	302.9	300.0	296.0	292.6	289.7	288.0
170°	301.7	300.6	300.0	299.4	298.9	296.6	294.9	292.0	289.2	287.4	286.3
172.5°	294.9	293.7	293.7	293.4	293.2	291.4	290.3	288.0	286.3	285.7	285.7
175°	288.6	288.0	288.0	288.0	288.0	286.9	286.3	285.2	284.0	284.0	284.6
177.5°	284.6	284.0	284.6	284.6	284.6	284.0	283.4	282.9	282.3	282.9	284.0
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	9.1	7.4	6.8	6.3	5.1	3.4	2.3	1.1	2.3	3.4	5.1
92.5°	57.7	39.4	34.2	29.1	23.4	18.3	12.6	8.6	12.6	18.3	23.4
95°	122.9	74.3	63.2	52.0	37.1	27.4	21.1	19.4	21.1	27.4	37.1
97.5°	132.6	84.6	72.3	60.0	45.1	36.6	31.4	30.9	31.4	36.6	45.1
100°	130.9	90.9	79.8	68.6	54.9	46.9	42.9	42.3	42.9	46.9	54.9
102.5°	133.1	98.3	88.3	78.3	66.3	58.9	55.4	54.3	55.4	58.9	66.3
105°	137.7	106.9	98.0	89.1	78.3	71.4	68.0	66.3	68.0	71.4	78.3
107.5°	145.1	117.7	109.4	101.1	90.9	84.0	80.6	78.9	80.6	84.0	90.9
110°	154.9	129.1	121.1	113.1	103.4	97.1	94.3	92.6	94.3	97.1	103.4

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	164.6	141.1	133.4	125.7	116.0	109.7	106.9	105.1	106.9	109.7	116.0
115°	175.4	153.7	146.0	138.3	128.6	122.9	119.4	117.1	119.4	122.9	128.6
117.5°	186.9	165.1	158.0	150.9	140.0	134.9	132.0	129.1	132.0	134.9	140.0
120°	197.7	177.1	170.0	162.9	152.0	146.3	143.4	141.7	143.4	146.3	152.0
122.5°	209.1	189.1	181.4	173.7	163.4	157.1	154.3	152.6	154.3	157.1	163.4
125°	220.0	200.0	192.3	184.6	173.7	167.4	164.0	162.9	164.0	167.4	173.7
127.5°	229.7	210.3	202.6	194.9	182.9	176.6	172.6	170.9	172.6	176.6	182.9
130°	238.3	219.4	211.7	204.0	192.0	185.1	180.0	178.3	180.0	185.1	192.0
132.5°	245.7	227.4	220.0	212.6	200.6	192.0	186.3	184.0	186.3	192.0	200.6
135°	253.1	235.4	227.7	220.0	208.0	199.4	193.1	190.9	193.1	199.4	208.0
137.5°	258.3	241.1	234.0	226.9	214.9	205.7	199.4	197.1	199.4	205.7	214.9
140°	263.4	246.9	239.8	232.6	221.1	212.0	206.3	203.4	206.3	212.0	221.1
142.5°	267.4	251.4	244.8	238.3	226.9	218.9	212.6	210.3	212.6	218.9	226.9
145°	270.9	256.0	249.4	242.9	233.1	224.6	219.4	217.7	219.4	224.6	233.1
147.5°	273.7	260.0	254.3	248.6	238.9	231.4	226.3	225.1	226.3	231.4	238.9
150°	276.6	263.4	258.2	253.1	245.1	237.7	233.1	232.6	233.1	237.7	245.1
152.5°	278.3	267.4	262.5	257.7	250.9	244.6	240.0	240.0	240.0	244.6	250.9
155°	280.6	270.9	266.9	262.9	256.6	250.9	247.4	247.4	247.4	250.9	256.6
157.5°	281.7	273.7	270.5	267.4	261.7	256.6	253.7	253.1	253.7	256.6	261.7
160°	283.4	276.6	273.8	270.9	266.9	262.3	260.0	260.0	260.0	262.3	266.9
162.5°	284.0	278.3	276.0	273.7	270.3	266.9	265.1	265.1	265.1	266.9	270.3
165°	284.6	280.0	278.0	276.0	273.7	270.9	269.7	270.3	269.7	270.9	273.7
167.5°	284.6	281.2	279.8	278.3	276.6	274.3	273.7	274.3	273.7	274.3	276.6
170°	284.0	281.2	280.6	280.0	278.9	277.2	276.6	277.7	276.6	277.2	278.9
172.5°	284.0	281.7	281.4	281.2	280.6	279.4	279.4	280.0	279.4	279.4	280.6
175°	283.4	282.3	282.0	281.7	281.7	280.6	281.2	281.7	281.2	280.6	281.7
177.5°	282.9	282.3	282.3	282.3	282.3	281.7	282.3	282.9	282.3	281.7	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	6.3	6.8	7.4	9.1	10.9	12.6	14.3	13.7	14.3	14.9	15.4
92.5°	29.1	34.2	39.4	57.7	88.0	117.7	106.3	79.4	56.6	44.0	38.3
95°	52.0	63.2	74.3	122.9	208.0	301.7	338.9	274.9	205.7	139.4	109.1
97.5°	60.0	72.3	84.6	132.6	231.4	389.2	521.2	538.9	472.6	356.6	281.2
100°	68.6	79.8	90.9	130.9	215.4	365.7	541.2	653.7	673.7	627.4	560.6
102.5°	78.3	88.3	98.3	133.1	201.7	331.4	504.0	659.4	740.6	750.3	718.3
105°	89.1	98.0	106.9	137.7	196.6	304.6	459.4	623.4	742.9	800.0	810.9
107.5°	101.1	109.4	117.7	145.1	195.4	285.2	420.0	572.0	708.6	798.3	842.9
110°	113.1	121.1	129.1	154.9	198.3	274.9	387.4	524.0	654.9	760.0	832.0

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	125.7	133.4	141.1	164.6	204.0	269.1	365.7	482.3	601.7	709.7	792.6
115°	138.3	146.0	153.7	175.4	210.3	268.6	351.4	450.3	556.0	655.4	739.4
117.5°	150.9	158.0	165.1	186.9	218.3	269.1	341.7	429.2	520.6	608.6	685.7
120°	162.9	170.0	177.1	197.7	227.4	271.4	335.4	413.2	493.7	570.9	639.4
122.5°	173.7	181.4	189.1	209.1	236.0	275.4	331.4	400.0	472.6	540.6	602.9
125°	184.6	192.3	200.0	220.0	245.1	279.4	328.0	389.2	454.3	516.6	571.4
127.5°	194.9	202.6	210.3	229.7	252.6	284.0	326.3	378.9	437.7	494.3	544.6
130°	204.0	211.7	219.4	238.3	260.0	288.6	324.6	370.9	422.3	473.7	520.0
132.5°	212.6	220.0	227.4	245.7	266.9	292.0	324.0	363.4	408.0	454.3	496.6
135°	220.0	227.7	235.4	253.1	272.6	295.4	323.4	357.2	395.4	436.0	473.2
137.5°	226.9	234.0	241.1	258.3	277.2	297.7	322.3	351.4	383.4	417.7	450.9
140°	232.6	239.8	246.9	263.4	280.6	300.0	321.7	346.3	373.2	402.3	429.7
142.5°	238.3	244.8	251.4	267.4	284.0	301.7	320.6	341.7	363.4	387.4	410.3
145°	242.9	249.4	256.0	270.9	286.3	302.3	319.4	337.7	356.0	374.9	393.2
147.5°	248.6	254.3	260.0	273.7	288.0	302.3	317.7	333.7	349.7	365.2	380.6
150°	253.1	258.2	263.4	276.6	288.6	302.3	315.4	329.7	342.9	356.0	368.0
152.5°	257.7	262.5	267.4	278.3	289.7	300.6	312.6	325.2	336.6	347.4	357.7
155°	262.9	266.9	270.9	280.6	289.7	299.4	309.2	320.6	330.3	339.4	348.0
157.5°	267.4	270.5	273.7	281.7	290.3	297.7	306.3	315.4	323.4	331.4	338.3
160°	270.9	273.8	276.6	283.4	290.3	296.6	302.9	310.3	317.7	324.0	329.7
162.5°	273.7	276.0	278.3	284.0	289.7	294.3	299.4	305.2	310.9	316.0	321.2
165°	276.0	278.0	280.0	284.6	288.6	292.0	296.0	300.6	305.2	308.6	312.6
167.5°	278.3	279.8	281.2	284.6	288.0	289.7	292.6	296.0	300.0	302.9	305.2
170°	280.0	280.6	281.2	284.0	286.3	287.4	289.2	292.0	294.9	296.6	298.9
172.5°	281.2	281.4	281.7	284.0	285.7	285.7	286.3	288.0	290.3	291.4	293.2
175°	281.7	282.0	282.3	283.4	284.6	284.0	284.0	285.2	286.3	286.9	288.0
177.5°	282.3	282.3	282.3	282.9	284.0	282.9	282.3	282.9	283.4	284.0	284.6
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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	16.6	16.0	16.6	17.1	16.6	17.1	16.6	16.0	16.6	16.0
92.5°	36.3	34.3	33.1	30.9	31.4	30.3	31.4	30.9	33.1	34.3	36.3
95°	98.8	88.6	77.7	72.6	68.6	66.3	68.6	72.6	77.7	88.6	98.8
97.5°	248.6	216.0	177.7	156.0	142.3	136.0	142.3	156.0	177.7	216.0	248.6
100°	520.0	479.4	421.7	380.0	357.7	358.3	357.7	380.0	421.7	479.4	520.0
102.5°	696.3	674.3	632.6	601.7	584.0	567.4	584.0	601.7	632.6	674.3	696.3
105°	803.4	796.0	769.7	748.0	729.7	726.9	729.7	748.0	769.7	796.0	803.4
107.5°	850.6	858.3	854.9	844.6	837.2	830.9	837.2	844.6	854.9	858.3	850.6
110°	852.0	872.0	888.0	892.6	891.5	890.3	891.5	892.6	888.0	872.0	852.0

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	819.8	846.9	879.5	896.0	901.7	902.3	901.7	896.0	879.5	846.9	819.8
115°	770.6	801.7	844.6	869.7	881.2	884.0	881.2	869.7	844.6	801.7	770.6
117.5°	718.0	750.3	794.9	822.9	840.0	844.0	840.0	822.9	794.9	750.3	718.0
120°	668.3	697.2	742.3	774.3	788.0	791.4	788.0	774.3	742.3	697.2	668.3
122.5°	629.2	655.4	694.3	722.3	737.7	742.3	737.7	722.3	694.3	655.4	629.2
125°	594.3	617.2	653.7	678.9	693.2	697.2	693.2	678.9	653.7	617.2	594.3
127.5°	565.8	586.9	620.0	641.7	654.9	658.3	654.9	641.7	620.0	586.9	565.8
130°	539.4	558.9	589.2	609.7	621.7	626.3	621.7	609.7	589.2	558.9	539.4
132.5°	514.9	533.2	561.2	581.7	592.0	594.9	592.0	581.7	561.2	533.2	514.9
135°	489.4	505.7	533.7	550.9	561.2	565.2	561.2	550.9	533.7	505.7	489.4
137.5°	465.4	480.0	504.0	521.7	530.3	533.7	530.3	521.7	504.0	480.0	465.4
140°	442.0	454.3	476.0	492.0	501.2	500.6	501.2	492.0	476.0	454.3	442.0
142.5°	420.6	430.9	448.6	462.3	470.3	469.7	470.3	462.3	448.6	430.9	420.6
145°	401.4	409.7	424.0	436.0	440.6	441.7	440.6	436.0	424.0	409.7	401.4
147.5°	386.6	392.6	404.0	412.6	417.2	417.7	417.2	412.6	404.0	392.6	386.6
150°	373.4	378.9	387.4	393.7	397.2	397.2	397.2	393.7	387.4	378.9	373.4
152.5°	362.0	366.3	372.6	378.3	380.0	380.0	380.0	378.3	372.6	366.3	362.0
155°	351.4	354.9	360.0	364.6	365.7	366.3	365.7	364.6	360.0	354.9	351.4
157.5°	341.2	344.0	348.6	352.0	353.2	353.2	353.2	352.0	348.6	344.0	341.2
160°	331.7	333.7	337.7	341.2	341.2	340.6	341.2	341.2	337.7	333.7	331.7
162.5°	322.9	324.6	326.9	329.7	329.7	329.2	329.7	329.7	326.9	324.6	322.9
165°	314.0	315.4	317.7	320.0	319.4	319.4	319.4	320.0	317.7	315.4	314.0
167.5°	306.3	307.4	308.6	310.3	309.7	309.7	309.7	310.3	308.6	307.4	306.3
170°	299.4	300.0	300.6	301.7	301.2	301.2	301.2	301.7	300.6	300.0	299.4
172.5°	293.4	293.7	293.7	294.9	293.7	293.2	293.7	294.9	293.7	293.7	293.4
175°	288.0	288.0	288.0	288.6	288.0	287.4	288.0	288.6	288.0	288.0	288.0
177.5°	284.6	284.6	284.0	284.6	283.4	283.4	283.4	284.6	284.0	284.6	284.6
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	15.4	14.9	14.3	13.7	14.3	12.6	10.9	9.1	7.4	6.8	6.3
92.5°	38.3	44.0	56.6	79.4	106.3	117.7	88.0	57.7	39.4	34.2	29.1
95°	109.1	139.4	205.7	274.9	338.9	301.7	208.0	122.9	74.3	63.2	52.0
97.5°	281.2	356.6	472.6	538.9	521.2	389.2	231.4	132.6	84.6	72.3	60.0
100°	560.6	627.4	673.7	653.7	541.2	365.7	215.4	130.9	90.9	79.8	68.6
102.5°	718.3	750.3	740.6	659.4	504.0	331.4	201.7	133.1	98.3	88.3	78.3
105°	810.9	800.0	742.9	623.4	459.4	304.6	196.6	137.7	106.9	98.0	89.1
107.5°	842.9	798.3	708.6	572.0	420.0	285.2	195.4	145.1	117.7	109.4	101.1
110°	832.0	760.0	654.9	524.0	387.4	274.9	198.3	154.9	129.1	121.1	113.1

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	792.6	709.7	601.7	482.3	365.7	269.1	204.0	164.6	141.1	133.4	125.7
115°	739.4	655.4	556.0	450.3	351.4	268.6	210.3	175.4	153.7	146.0	138.3
117.5°	685.7	608.6	520.6	429.2	341.7	269.1	218.3	186.9	165.1	158.0	150.9
120°	639.4	570.9	493.7	413.2	335.4	271.4	227.4	197.7	177.1	170.0	162.9
122.5°	602.9	540.6	472.6	400.0	331.4	275.4	236.0	209.1	189.1	181.4	173.7
125°	571.4	516.6	454.3	389.2	328.0	279.4	245.1	220.0	200.0	192.3	184.6
127.5°	544.6	494.3	437.7	378.9	326.3	284.0	252.6	229.7	210.3	202.6	194.9
130°	520.0	473.7	422.3	370.9	324.6	288.6	260.0	238.3	219.4	211.7	204.0
132.5°	496.6	454.3	408.0	363.4	324.0	292.0	266.9	245.7	227.4	220.0	212.6
135°	473.2	436.0	395.4	357.2	323.4	295.4	272.6	253.1	235.4	227.7	220.0
137.5°	450.9	417.7	383.4	351.4	322.3	297.7	277.2	258.3	241.1	234.0	226.9
140°	429.7	402.3	373.2	346.3	321.7	300.0	280.6	263.4	246.9	239.8	232.6
142.5°	410.3	387.4	363.4	341.7	320.6	301.7	284.0	267.4	251.4	244.8	238.3
145°	393.2	374.9	356.0	337.7	319.4	302.3	286.3	270.9	256.0	249.4	242.9
147.5°	380.6	365.2	349.7	333.7	317.7	302.3	288.0	273.7	260.0	254.3	248.6
150°	368.0	356.0	342.9	329.7	315.4	302.3	288.6	276.6	263.4	258.2	253.1
152.5°	357.7	347.4	336.6	325.2	312.6	300.6	289.7	278.3	267.4	262.5	257.7
155°	348.0	339.4	330.3	320.6	309.2	299.4	289.7	280.6	270.9	266.9	262.9
157.5°	338.3	331.4	323.4	315.4	306.3	297.7	290.3	281.7	273.7	270.5	267.4
160°	329.7	324.0	317.7	310.3	302.9	296.6	290.3	283.4	276.6	273.8	270.9
162.5°	321.2	316.0	310.9	305.2	299.4	294.3	289.7	284.0	278.3	276.0	273.7
165°	312.6	308.6	305.2	300.6	296.0	292.0	288.6	284.6	280.0	278.0	276.0
167.5°	305.2	302.9	300.0	296.0	292.6	289.7	288.0	284.6	281.2	279.8	278.3
170°	298.9	296.6	294.9	292.0	289.2	287.4	286.3	284.0	281.2	280.6	280.0
172.5°	293.2	291.4	290.3	288.0	286.3	285.7	285.7	284.0	281.7	281.4	281.2
175°	288.0	286.9	286.3	285.2	284.0	284.0	284.6	283.4	282.3	282.0	281.7
177.5°	284.6	284.0	283.4	282.9	282.3	282.9	284.0	282.9	282.3	282.3	282.3
180°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

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°	5.1	3.4	2.3	1.1
92.5°	23.4	18.3	12.6	8.6
95°	37.1	27.4	21.1	19.4
97.5°	45.1	36.6	31.4	30.9
100°	54.9	46.9	42.9	42.3
102.5°	66.3	58.9	55.4	54.3
105°	78.3	71.4	68.0	66.3
107.5°	90.9	84.0	80.6	78.9
110°	103.4	97.1	94.3	92.6

TEST NUMBER: P1012038

CATALOG NUMBER: S123DIP-B775D585UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	116.0	109.7	106.9	105.1
115°	128.6	122.9	119.4	117.1
117.5°	140.0	134.9	132.0	129.1
120°	152.0	146.3	143.4	141.7
122.5°	163.4	157.1	154.3	152.6
125°	173.7	167.4	164.0	162.9
127.5°	182.9	176.6	172.6	170.9
130°	192.0	185.1	180.0	178.3
132.5°	200.6	192.0	186.3	184.0
135°	208.0	199.4	193.1	190.9
137.5°	214.9	205.7	199.4	197.1
140°	221.1	212.0	206.3	203.4
142.5°	226.9	218.9	212.6	210.3
145°	233.1	224.6	219.4	217.7
147.5°	238.9	231.4	226.3	225.1
150°	245.1	237.7	233.1	232.6
152.5°	250.9	244.6	240.0	240.0
155°	256.6	250.9	247.4	247.4
157.5°	261.7	256.6	253.7	253.1
160°	266.9	262.3	260.0	260.0
162.5°	270.3	266.9	265.1	265.1
165°	273.7	270.9	269.7	270.3
167.5°	276.6	274.3	273.7	274.3
170°	278.9	277.2	276.6	277.7
172.5°	280.6	279.4	279.4	280.0
175°	281.7	280.6	281.2	281.7
177.5°	282.3	281.7	282.3	282.9
180°	282.3	282.3	282.3	282.3

(END OF REPORT)