

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: P1011996

Luminaire Tested: S123DIP-B775D365UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011996
REPORT IS A COMBINATION OF REPORTS P990365 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D365UB30-4F0-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

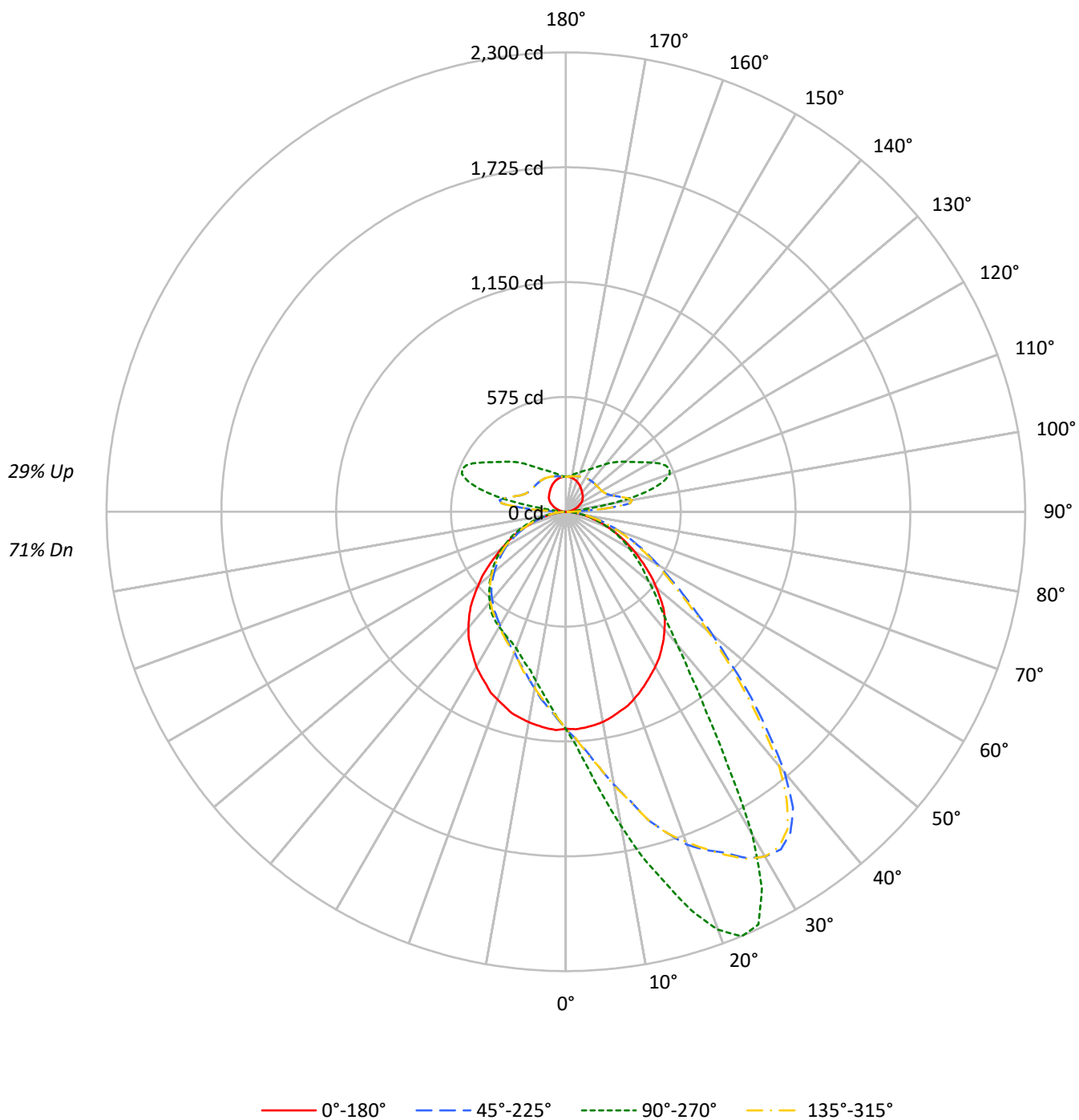
Lumens per Lamp: N/A
Luminaire Lumens: 4601.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76
1	103	99	95	91	97	94	90	87	84	82	79	76	74	72	68	66	65
2	94	87	80	75	89	82	77	72	74	70	66	67	63	61	60	57	55
3	86	76	69	63	81	73	66	61	66	61	56	59	55	52	53	50	47
4	79	68	60	54	75	65	58	52	59	53	48	53	48	45	48	44	41
5	73	61	53	46	69	58	51	45	53	47	42	48	43	39	43	39	36
6	67	55	47	41	63	52	45	39	48	41	37	43	38	34	39	35	32
7	62	50	41	36	59	47	40	35	43	37	33	40	34	30	36	32	28
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25
9	54	41	34	29	51	40	33	28	36	30	26	33	28	25	31	26	23
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21

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	2.3
10°-20°	343.2	7.5
20°-30°	577.4	12.6
30°-40°	652.6	14.2
40°-50°	584.5	12.7
50°-60°	471.8	10.3
60°-70°	328.8	7.1
70°-80°	172.6	3.8
80°-90°	42.3	0.9
90°-100°	95.3	2.1
100°-110°	279.0	6.1
110°-120°	272.5	5.9
120°-130°	217.0	4.7
130°-140°	171.2	3.7
140°-150°	127.7	2.8
150°-160°	89.0	1.9
160°-170°	52.3	1.1
170°-180°	17.0	0.4
0°-30°	1027.5	22.3
0°-40°	1680.0	36.5
0°-60°	2736.3	59.5
0°-90°	3280.0	71.3
90°-120°	646.8	14.1
90°-150°	1162.7	25.3
90°-180°	1321.0	28.7
0°-180°	4601.0	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	10	1	10	1	3
95°	12	41	12	41	12	13
105°	41	452	41	452	41	44
115°	73	550	73	550	73	72
125°	101	434	101	434	101	90
135°	119	352	119	352	119	92
145°	135	275	135	275	135	85
155°	154	228	154	228	154	71
165°	168	199	168	199	168	47
175°	175	179	175	179	175	17
180°	176	176	176	176	176	

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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°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.7	6.8	7.8	8.9
92.5°	5.3	7.8	11.4	14.6	18.1	21.3	24.5	35.9	54.7	73.2	66.1
95°	12.1	13.2	17.1	23.1	32.4	39.3	46.2	76.4	129.4	187.7	210.8
97.5°	19.2	19.6	22.8	28.1	37.3	45.0	52.6	82.5	144.0	242.1	324.2
100°	26.3	26.7	29.2	34.1	42.7	49.6	56.5	81.4	134.0	227.5	336.7
102.5°	33.8	34.5	36.6	41.2	48.7	54.9	61.1	82.8	125.5	206.2	313.6
105°	41.2	42.3	44.4	48.7	55.5	61.0	66.5	85.7	122.3	189.5	285.8
107.5°	49.1	50.1	52.3	56.5	62.9	68.0	73.2	90.3	121.6	177.4	261.3
110°	57.6	58.7	60.4	64.3	70.4	75.4	80.3	96.3	123.4	171.0	241.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.4	66.5	68.3	72.2	78.2	83.0	87.8	102.4	126.9	167.4	227.5
115°	72.9	74.3	76.4	80.0	86.0	90.8	95.6	109.1	130.8	167.1	218.6
117.5°	80.3	82.1	83.9	87.1	93.9	98.3	102.7	116.3	135.8	167.4	212.6
120°	88.2	89.2	91.0	94.6	101.3	105.8	110.2	123.0	141.5	168.9	208.7
122.5°	94.9	96.0	97.8	101.7	108.1	112.9	117.7	130.1	146.8	171.4	206.2
125°	101.3	102.0	104.2	108.1	114.8	119.6	124.4	136.9	152.5	173.8	204.1
127.5°	106.3	107.4	109.9	113.8	121.2	126.0	130.8	142.9	157.1	176.7	203.0
130°	110.9	112.0	115.2	119.4	126.9	131.7	136.5	148.2	161.8	179.5	201.9
132.5°	114.5	115.9	119.4	124.8	132.2	136.8	141.5	152.9	166.0	181.7	201.6
135°	118.7	120.2	124.1	129.4	136.9	141.7	146.5	157.5	169.6	183.8	201.2
137.5°	122.6	124.1	128.0	133.7	141.1	145.6	150.0	160.7	172.4	185.2	200.5
140°	126.6	128.3	131.9	137.6	144.7	149.1	153.6	163.9	174.6	186.6	200.1
142.5°	130.8	132.2	136.2	141.1	148.2	152.3	156.4	166.4	176.7	187.7	199.4
145°	135.4	136.5	139.7	145.0	151.1	155.2	159.3	168.5	178.1	188.1	198.7
147.5°	140.1	140.8	144.0	148.6	154.6	158.2	161.8	170.3	179.2	188.1	197.7
150°	144.7	145.0	147.9	152.5	157.5	160.7	163.9	172.1	179.5	188.1	196.2
152.5°	149.3	149.3	152.2	156.1	160.3	163.4	166.4	173.1	180.2	187.0	194.5
155°	153.9	153.9	156.1	159.6	163.5	166.0	168.5	174.6	180.2	186.3	192.3
157.5°	157.5	157.8	159.6	162.8	166.4	168.4	170.3	175.3	180.6	185.2	190.6
160°	161.8	161.8	163.2	166.0	168.5	170.3	172.1	176.3	180.6	184.5	188.4
162.5°	165.0	165.0	166.0	168.2	170.3	171.7	173.1	176.7	180.2	183.1	186.3
165°	168.2	167.8	168.5	170.3	171.7	173.0	174.2	177.0	179.5	181.7	184.2
167.5°	170.6	170.3	170.6	172.1	173.1	174.0	174.9	177.0	179.2	180.2	182.0
170°	172.8	172.1	172.4	173.5	174.2	174.6	174.9	176.7	178.1	178.8	179.9
172.5°	174.2	173.8	173.8	174.6	174.9	175.1	175.3	176.7	177.8	177.8	178.1
175°	175.3	174.9	174.6	175.3	175.3	175.4	175.6	176.3	177.0	176.7	176.7
177.5°	176.0	175.6	175.3	175.6	175.6	175.6	175.6	176.0	176.7	176.0	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

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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°	8.5	8.9	9.2	9.6	10.0	10.3	10.0	10.3	10.7	10.3	10.7
92.5°	49.4	35.2	27.4	23.8	22.6	21.3	20.6	19.2	19.6	18.8	19.6
95°	171.0	128.0	86.7	67.9	61.5	55.1	48.3	45.1	42.7	41.2	42.7
97.5°	335.2	294.0	221.8	174.9	154.6	134.4	110.6	97.1	88.5	84.6	88.5
100°	406.7	419.1	390.3	348.8	323.6	298.3	262.4	236.4	222.5	222.9	222.5
102.5°	410.3	460.7	466.8	446.9	433.2	419.5	393.5	374.3	363.3	353.0	363.3
105°	387.9	462.2	497.7	504.5	499.8	495.2	478.9	465.4	454.0	452.2	454.0
107.5°	355.9	440.8	496.6	524.4	529.2	534.0	531.8	525.4	520.8	516.9	520.8
110°	326.0	407.4	472.8	517.6	530.0	542.5	552.5	555.3	554.6	553.9	554.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	300.0	374.3	441.5	493.1	510.0	526.9	547.1	557.4	561.0	561.3	561.0
115°	280.1	345.9	407.8	460.0	479.4	498.8	525.4	541.1	548.2	550.0	548.2
117.5°	267.0	323.9	378.6	426.6	446.7	466.8	494.5	511.9	522.6	525.1	522.6
120°	257.0	307.2	355.1	397.8	415.8	433.7	461.8	481.7	490.2	492.4	490.2
122.5°	248.9	294.0	336.3	375.1	391.5	407.8	431.9	449.4	459.0	461.8	459.0
125°	242.1	282.6	321.4	355.5	369.7	383.9	406.7	422.3	431.2	433.7	431.2
127.5°	235.7	272.3	307.5	338.8	352.0	365.1	385.7	399.2	407.4	409.5	407.4
130°	230.7	262.7	294.7	323.5	335.6	347.7	366.5	379.3	386.8	389.6	386.8
132.5°	226.1	253.8	282.6	308.9	320.3	331.7	349.1	361.9	368.3	370.1	368.3
135°	222.2	246.0	271.3	294.4	304.5	314.6	332.0	342.7	349.1	351.6	349.1
137.5°	218.6	238.5	259.9	280.5	289.6	298.6	313.6	324.6	329.9	332.0	329.9
140°	215.4	232.1	250.3	267.3	275.0	282.6	296.1	306.1	311.8	311.4	311.8
142.5°	212.6	226.1	241.0	255.3	261.7	268.1	279.1	287.6	292.6	292.2	292.6
145°	210.1	221.5	233.2	244.6	249.8	254.9	263.8	271.3	274.1	274.8	274.1
147.5°	207.6	217.6	227.2	236.8	240.5	244.2	251.3	256.7	259.5	259.9	259.5
150°	205.1	213.3	221.5	228.9	232.3	235.7	241.0	244.9	247.1	247.1	247.1
152.5°	202.3	209.4	216.1	222.5	225.2	227.9	231.8	235.3	236.4	236.4	236.4
155°	199.4	205.5	211.2	216.5	218.6	220.8	224.0	226.8	227.5	227.9	227.5
157.5°	196.2	201.2	206.2	210.5	212.2	214.0	216.9	219.0	219.7	219.7	219.7
160°	193.0	197.7	201.6	205.1	206.4	207.6	210.1	212.2	212.2	211.9	212.2
162.5°	189.8	193.4	196.6	199.8	200.9	201.9	203.3	205.1	205.1	204.8	205.1
165°	187.0	189.8	192.0	194.5	195.4	196.2	197.7	199.1	198.7	198.7	198.7
167.5°	184.2	186.6	188.4	189.8	190.6	191.3	192.0	193.0	192.7	192.7	192.7
170°	181.7	183.4	184.5	185.9	186.2	186.6	187.0	187.7	187.4	187.4	187.4
172.5°	179.2	180.6	181.3	182.4	182.6	182.7	182.7	183.4	182.7	182.4	182.7
175°	177.4	178.1	178.5	179.2	179.2	179.2	179.2	179.5	179.2	178.8	179.2
177.5°	176.0	176.3	176.7	177.0	177.0	177.0	176.7	177.0	176.3	176.3	176.3
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-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°	10.3	10.0	10.3	10.0	9.6	9.2	8.9	8.5	8.9	7.8	6.8
92.5°	19.2	20.6	21.3	22.6	23.8	27.4	35.2	49.4	66.1	73.2	54.7
95°	45.1	48.3	55.1	61.5	67.9	86.7	128.0	171.0	210.8	187.7	129.4
97.5°	97.1	110.6	134.4	154.6	174.9	221.8	294.0	335.2	324.2	242.1	144.0
100°	236.4	262.4	298.3	323.6	348.8	390.3	419.1	406.7	336.7	227.5	134.0
102.5°	374.3	393.5	419.5	433.2	446.9	466.8	460.7	410.3	313.6	206.2	125.5
105°	465.4	478.9	495.2	499.8	504.5	497.7	462.2	387.9	285.8	189.5	122.3
107.5°	525.4	531.8	534.0	529.2	524.4	496.6	440.8	355.9	261.3	177.4	121.6
110°	555.3	552.5	542.5	530.0	517.6	472.8	407.4	326.0	241.0	171.0	123.4

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	557.4	547.1	526.9	510.0	493.1	441.5	374.3	300.0	227.5	167.4	126.9
115°	541.1	525.4	498.8	479.4	460.0	407.8	345.9	280.1	218.6	167.1	130.8
117.5°	511.9	494.5	466.8	446.7	426.6	378.6	323.9	267.0	212.6	167.4	135.8
120°	481.7	461.8	433.7	415.8	397.8	355.1	307.2	257.0	208.7	168.9	141.5
122.5°	449.4	431.9	407.8	391.5	375.1	336.3	294.0	248.9	206.2	171.4	146.8
125°	422.3	406.7	383.9	369.7	355.5	321.4	282.6	242.1	204.1	173.8	152.5
127.5°	399.2	385.7	365.1	352.0	338.8	307.5	272.3	235.7	203.0	176.7	157.1
130°	379.3	366.5	347.7	335.6	323.5	294.7	262.7	230.7	201.9	179.5	161.8
132.5°	361.9	349.1	331.7	320.3	308.9	282.6	253.8	226.1	201.6	181.7	166.0
135°	342.7	332.0	314.6	304.5	294.4	271.3	246.0	222.2	201.2	183.8	169.6
137.5°	324.6	313.6	298.6	289.6	280.5	259.9	238.5	218.6	200.5	185.2	172.4
140°	306.1	296.1	282.6	275.0	267.3	250.3	232.1	215.4	200.1	186.6	174.6
142.5°	287.6	279.1	268.1	261.7	255.3	241.0	226.1	212.6	199.4	187.7	176.7
145°	271.3	263.8	254.9	249.8	244.6	233.2	221.5	210.1	198.7	188.1	178.1
147.5°	256.7	251.3	244.2	240.5	236.8	227.2	217.6	207.6	197.7	188.1	179.2
150°	244.9	241.0	235.7	232.3	228.9	221.5	213.3	205.1	196.2	188.1	179.5
152.5°	235.3	231.8	227.9	225.2	222.5	216.1	209.4	202.3	194.5	187.0	180.2
155°	226.8	224.0	220.8	218.6	216.5	211.2	205.5	199.4	192.3	186.3	180.2
157.5°	219.0	216.9	214.0	212.2	210.5	206.2	201.2	196.2	190.6	185.2	180.6
160°	212.2	210.1	207.6	206.4	205.1	201.6	197.7	193.0	188.4	184.5	180.6
162.5°	205.1	203.3	201.9	200.9	199.8	196.6	193.4	189.8	186.3	183.1	180.2
165°	199.1	197.7	196.2	195.4	194.5	192.0	189.8	187.0	184.2	181.7	179.5
167.5°	193.0	192.0	191.3	190.6	189.8	188.4	186.6	184.2	182.0	180.2	179.2
170°	187.7	187.0	186.6	186.2	185.9	184.5	183.4	181.7	179.9	178.8	178.1
172.5°	183.4	182.7	182.7	182.6	182.4	181.3	180.6	179.2	178.1	177.8	177.8
175°	179.5	179.2	179.2	179.2	179.2	178.5	178.1	177.4	176.7	176.7	177.0
177.5°	177.0	176.7	177.0	177.0	177.0	176.7	176.3	176.0	175.6	176.0	176.7
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-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°	5.7	4.6	4.2	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	35.9	24.5	21.3	18.1	14.6	11.4	7.8	5.3	7.8	11.4	14.6
95°	76.4	46.2	39.3	32.4	23.1	17.1	13.2	12.1	13.2	17.1	23.1
97.5°	82.5	52.6	45.0	37.3	28.1	22.8	19.6	19.2	19.6	22.8	28.1
100°	81.4	56.5	49.6	42.7	34.1	29.2	26.7	26.3	26.7	29.2	34.1
102.5°	82.8	61.1	54.9	48.7	41.2	36.6	34.5	33.8	34.5	36.6	41.2
105°	85.7	66.5	61.0	55.5	48.7	44.4	42.3	41.2	42.3	44.4	48.7
107.5°	90.3	73.2	68.0	62.9	56.5	52.3	50.1	49.1	50.1	52.3	56.5
110°	96.3	80.3	75.4	70.4	64.3	60.4	58.7	57.6	58.7	60.4	64.3

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	102.4	87.8	83.0	78.2	72.2	68.3	66.5	65.4	66.5	68.3	72.2
115°	109.1	95.6	90.8	86.0	80.0	76.4	74.3	72.9	74.3	76.4	80.0
117.5°	116.3	102.7	98.3	93.9	87.1	83.9	82.1	80.3	82.1	83.9	87.1
120°	123.0	110.2	105.8	101.3	94.6	91.0	89.2	88.2	89.2	91.0	94.6
122.5°	130.1	117.7	112.9	108.1	101.7	97.8	96.0	94.9	96.0	97.8	101.7
125°	136.9	124.4	119.6	114.8	108.1	104.2	102.0	101.3	102.0	104.2	108.1
127.5°	142.9	130.8	126.0	121.2	113.8	109.9	107.4	106.3	107.4	109.9	113.8
130°	148.2	136.5	131.7	126.9	119.4	115.2	112.0	110.9	112.0	115.2	119.4
132.5°	152.9	141.5	136.8	132.2	124.8	119.4	115.9	114.5	115.9	119.4	124.8
135°	157.5	146.5	141.7	136.9	129.4	124.1	120.2	118.7	120.2	124.1	129.4
137.5°	160.7	150.0	145.6	141.1	133.7	128.0	124.1	122.6	124.1	128.0	133.7
140°	163.9	153.6	149.1	144.7	137.6	131.9	128.3	126.6	128.3	131.9	137.6
142.5°	166.4	156.4	152.3	148.2	141.1	136.2	132.2	130.8	132.2	136.2	141.1
145°	168.5	159.3	155.2	151.1	145.0	139.7	136.5	135.4	136.5	139.7	145.0
147.5°	170.3	161.8	158.2	154.6	148.6	144.0	140.8	140.1	140.8	144.0	148.6
150°	172.1	163.9	160.7	157.5	152.5	147.9	145.0	144.7	145.0	147.9	152.5
152.5°	173.1	166.4	163.4	160.3	156.1	152.2	149.3	149.3	149.3	152.2	156.1
155°	174.6	168.5	166.0	163.5	159.6	156.1	153.9	153.9	153.9	156.1	159.6
157.5°	175.3	170.3	168.4	166.4	162.8	159.6	157.8	157.5	157.8	159.6	162.8
160°	176.3	172.1	170.3	168.5	166.0	163.2	161.8	161.8	161.8	163.2	166.0
162.5°	176.7	173.1	171.7	170.3	168.2	166.0	165.0	165.0	165.0	166.0	168.2
165°	177.0	174.2	173.0	171.7	170.3	168.5	167.8	168.2	167.8	168.5	170.3
167.5°	177.0	174.9	174.0	173.1	172.1	170.6	170.3	170.6	170.3	170.6	172.1
170°	176.7	174.9	174.6	174.2	173.5	172.4	172.1	172.8	172.1	172.4	173.5
172.5°	176.7	175.3	175.1	174.9	174.6	173.8	173.8	174.2	173.8	173.8	174.6
175°	176.3	175.6	175.4	175.3	175.3	174.6	174.9	175.3	174.9	174.6	175.3
177.5°	176.0	175.6	175.6	175.6	175.6	175.3	175.6	176.0	175.6	175.3	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-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°	3.9	4.2	4.6	5.7	6.8	7.8	8.9	8.5	8.9	9.2	9.6
92.5°	18.1	21.3	24.5	35.9	54.7	73.2	66.1	49.4	35.2	27.4	23.8
95°	32.4	39.3	46.2	76.4	129.4	187.7	210.8	171.0	128.0	86.7	67.9
97.5°	37.3	45.0	52.6	82.5	144.0	242.1	324.2	335.2	294.0	221.8	174.9
100°	42.7	49.6	56.5	81.4	134.0	227.5	336.7	406.7	419.1	390.3	348.8
102.5°	48.7	54.9	61.1	82.8	125.5	206.2	313.6	410.3	460.7	466.8	446.9
105°	55.5	61.0	66.5	85.7	122.3	189.5	285.8	387.9	462.2	497.7	504.5
107.5°	62.9	68.0	73.2	90.3	121.6	177.4	261.3	355.9	440.8	496.6	524.4
110°	70.4	75.4	80.3	96.3	123.4	171.0	241.0	326.0	407.4	472.8	517.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	78.2	83.0	87.8	102.4	126.9	167.4	227.5	300.0	374.3	441.5	493.1
115°	86.0	90.8	95.6	109.1	130.8	167.1	218.6	280.1	345.9	407.8	460.0
117.5°	93.9	98.3	102.7	116.3	135.8	167.4	212.6	267.0	323.9	378.6	426.6
120°	101.3	105.8	110.2	123.0	141.5	168.9	208.7	257.0	307.2	355.1	397.8
122.5°	108.1	112.9	117.7	130.1	146.8	171.4	206.2	248.9	294.0	336.3	375.1
125°	114.8	119.6	124.4	136.9	152.5	173.8	204.1	242.1	282.6	321.4	355.5
127.5°	121.2	126.0	130.8	142.9	157.1	176.7	203.0	235.7	272.3	307.5	338.8
130°	126.9	131.7	136.5	148.2	161.8	179.5	201.9	230.7	262.7	294.7	323.5
132.5°	132.2	136.8	141.5	152.9	166.0	181.7	201.6	226.1	253.8	282.6	308.9
135°	136.9	141.7	146.5	157.5	169.6	183.8	201.2	222.2	246.0	271.3	294.4
137.5°	141.1	145.6	150.0	160.7	172.4	185.2	200.5	218.6	238.5	259.9	280.5
140°	144.7	149.1	153.6	163.9	174.6	186.6	200.1	215.4	232.1	250.3	267.3
142.5°	148.2	152.3	156.4	166.4	176.7	187.7	199.4	212.6	226.1	241.0	255.3
145°	151.1	155.2	159.3	168.5	178.1	188.1	198.7	210.1	221.5	233.2	244.6
147.5°	154.6	158.2	161.8	170.3	179.2	188.1	197.7	207.6	217.6	227.2	236.8
150°	157.5	160.7	163.9	172.1	179.5	188.1	196.2	205.1	213.3	221.5	228.9
152.5°	160.3	163.4	166.4	173.1	180.2	187.0	194.5	202.3	209.4	216.1	222.5
155°	163.5	166.0	168.5	174.6	180.2	186.3	192.3	199.4	205.5	211.2	216.5
157.5°	166.4	168.4	170.3	175.3	180.6	185.2	190.6	196.2	201.2	206.2	210.5
160°	168.5	170.3	172.1	176.3	180.6	184.5	188.4	193.0	197.7	201.6	205.1
162.5°	170.3	171.7	173.1	176.7	180.2	183.1	186.3	189.8	193.4	196.6	199.8
165°	171.7	173.0	174.2	177.0	179.5	181.7	184.2	187.0	189.8	192.0	194.5
167.5°	173.1	174.0	174.9	177.0	179.2	180.2	182.0	184.2	186.6	188.4	189.8
170°	174.2	174.6	174.9	176.7	178.1	178.8	179.9	181.7	183.4	184.5	185.9
172.5°	174.9	175.1	175.3	176.7	177.8	177.8	178.1	179.2	180.6	181.3	182.4
175°	175.3	175.4	175.6	176.3	177.0	176.7	176.7	177.4	178.1	178.5	179.2
177.5°	175.6	175.6	175.6	176.0	176.7	176.0	175.6	176.0	176.3	176.7	177.0
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-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°	10.0	10.3	10.0	10.3	10.7	10.3	10.7	10.3	10.0	10.3	10.0
92.5°	22.6	21.3	20.6	19.2	19.6	18.8	19.6	19.2	20.6	21.3	22.6
95°	61.5	55.1	48.3	45.1	42.7	41.2	42.7	45.1	48.3	55.1	61.5
97.5°	154.6	134.4	110.6	97.1	88.5	84.6	88.5	97.1	110.6	134.4	154.6
100°	323.6	298.3	262.4	236.4	222.5	222.9	222.5	236.4	262.4	298.3	323.6
102.5°	433.2	419.5	393.5	374.3	363.3	353.0	363.3	374.3	393.5	419.5	433.2
105°	499.8	495.2	478.9	465.4	454.0	452.2	454.0	465.4	478.9	495.2	499.8
107.5°	529.2	534.0	531.8	525.4	520.8	516.9	520.8	525.4	531.8	534.0	529.2
110°	530.0	542.5	552.5	555.3	554.6	553.9	554.6	555.3	552.5	542.5	530.0

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CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	510.0	526.9	547.1	557.4	561.0	561.3	561.0	557.4	547.1	526.9	510.0
115°	479.4	498.8	525.4	541.1	548.2	550.0	548.2	541.1	525.4	498.8	479.4
117.5°	446.7	466.8	494.5	511.9	522.6	525.1	522.6	511.9	494.5	466.8	446.7
120°	415.8	433.7	461.8	481.7	490.2	492.4	490.2	481.7	461.8	433.7	415.8
122.5°	391.5	407.8	431.9	449.4	459.0	461.8	459.0	449.4	431.9	407.8	391.5
125°	369.7	383.9	406.7	422.3	431.2	433.7	431.2	422.3	406.7	383.9	369.7
127.5°	352.0	365.1	385.7	399.2	407.4	409.5	407.4	399.2	385.7	365.1	352.0
130°	335.6	347.7	366.5	379.3	386.8	389.6	386.8	379.3	366.5	347.7	335.6
132.5°	320.3	331.7	349.1	361.9	368.3	370.1	368.3	361.9	349.1	331.7	320.3
135°	304.5	314.6	332.0	342.7	349.1	351.6	349.1	342.7	332.0	314.6	304.5
137.5°	289.6	298.6	313.6	324.6	329.9	332.0	329.9	324.6	313.6	298.6	289.6
140°	275.0	282.6	296.1	306.1	311.8	311.4	311.8	306.1	296.1	282.6	275.0
142.5°	261.7	268.1	279.1	287.6	292.6	292.2	292.6	287.6	279.1	268.1	261.7
145°	249.8	254.9	263.8	271.3	274.1	274.8	274.1	271.3	263.8	254.9	249.8
147.5°	240.5	244.2	251.3	256.7	259.5	259.9	259.5	256.7	251.3	244.2	240.5
150°	232.3	235.7	241.0	244.9	247.1	247.1	247.1	244.9	241.0	235.7	232.3
152.5°	225.2	227.9	231.8	235.3	236.4	236.4	236.4	235.3	231.8	227.9	225.2
155°	218.6	220.8	224.0	226.8	227.5	227.9	227.5	226.8	224.0	220.8	218.6
157.5°	212.2	214.0	216.9	219.0	219.7	219.7	219.7	219.0	216.9	214.0	212.2
160°	206.4	207.6	210.1	212.2	212.2	211.9	212.2	212.2	210.1	207.6	206.4
162.5°	200.9	201.9	203.3	205.1	205.1	204.8	205.1	205.1	203.3	201.9	200.9
165°	195.4	196.2	197.7	199.1	198.7	198.7	198.7	199.1	197.7	196.2	195.4
167.5°	190.6	191.3	192.0	193.0	192.7	192.7	192.7	193.0	192.0	191.3	190.6
170°	186.2	186.6	187.0	187.7	187.4	187.4	187.4	187.7	187.0	186.6	186.2
172.5°	182.6	182.7	182.7	183.4	182.7	182.4	182.7	183.4	182.7	182.7	182.6
175°	179.2	179.2	179.2	179.5	179.2	178.8	179.2	179.5	179.2	179.2	179.2
177.5°	177.0	177.0	176.7	177.0	176.3	176.3	176.3	177.0	176.7	177.0	177.0
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

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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°	9.6	9.2	8.9	8.5	8.9	7.8	6.8	5.7	4.6	4.2	3.9
92.5°	23.8	27.4	35.2	49.4	66.1	73.2	54.7	35.9	24.5	21.3	18.1
95°	67.9	86.7	128.0	171.0	210.8	187.7	129.4	76.4	46.2	39.3	32.4
97.5°	174.9	221.8	294.0	335.2	324.2	242.1	144.0	82.5	52.6	45.0	37.3
100°	348.8	390.3	419.1	406.7	336.7	227.5	134.0	81.4	56.5	49.6	42.7
102.5°	446.9	466.8	460.7	410.3	313.6	206.2	125.5	82.8	61.1	54.9	48.7
105°	504.5	497.7	462.2	387.9	285.8	189.5	122.3	85.7	66.5	61.0	55.5
107.5°	524.4	496.6	440.8	355.9	261.3	177.4	121.6	90.3	73.2	68.0	62.9
110°	517.6	472.8	407.4	326.0	241.0	171.0	123.4	96.3	80.3	75.4	70.4

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	493.1	441.5	374.3	300.0	227.5	167.4	126.9	102.4	87.8	83.0	78.2
115°	460.0	407.8	345.9	280.1	218.6	167.1	130.8	109.1	95.6	90.8	86.0
117.5°	426.6	378.6	323.9	267.0	212.6	167.4	135.8	116.3	102.7	98.3	93.9
120°	397.8	355.1	307.2	257.0	208.7	168.9	141.5	123.0	110.2	105.8	101.3
122.5°	375.1	336.3	294.0	248.9	206.2	171.4	146.8	130.1	117.7	112.9	108.1
125°	355.5	321.4	282.6	242.1	204.1	173.8	152.5	136.9	124.4	119.6	114.8
127.5°	338.8	307.5	272.3	235.7	203.0	176.7	157.1	142.9	130.8	126.0	121.2
130°	323.5	294.7	262.7	230.7	201.9	179.5	161.8	148.2	136.5	131.7	126.9
132.5°	308.9	282.6	253.8	226.1	201.6	181.7	166.0	152.9	141.5	136.8	132.2
135°	294.4	271.3	246.0	222.2	201.2	183.8	169.6	157.5	146.5	141.7	136.9
137.5°	280.5	259.9	238.5	218.6	200.5	185.2	172.4	160.7	150.0	145.6	141.1
140°	267.3	250.3	232.1	215.4	200.1	186.6	174.6	163.9	153.6	149.1	144.7
142.5°	255.3	241.0	226.1	212.6	199.4	187.7	176.7	166.4	156.4	152.3	148.2
145°	244.6	233.2	221.5	210.1	198.7	188.1	178.1	168.5	159.3	155.2	151.1
147.5°	236.8	227.2	217.6	207.6	197.7	188.1	179.2	170.3	161.8	158.2	154.6
150°	228.9	221.5	213.3	205.1	196.2	188.1	179.5	172.1	163.9	160.7	157.5
152.5°	222.5	216.1	209.4	202.3	194.5	187.0	180.2	173.1	166.4	163.4	160.3
155°	216.5	211.2	205.5	199.4	192.3	186.3	180.2	174.6	168.5	166.0	163.5
157.5°	210.5	206.2	201.2	196.2	190.6	185.2	180.6	175.3	170.3	168.4	166.4
160°	205.1	201.6	197.7	193.0	188.4	184.5	180.6	176.3	172.1	170.3	168.5
162.5°	199.8	196.6	193.4	189.8	186.3	183.1	180.2	176.7	173.1	171.7	170.3
165°	194.5	192.0	189.8	187.0	184.2	181.7	179.5	177.0	174.2	173.0	171.7
167.5°	189.8	188.4	186.6	184.2	182.0	180.2	179.2	177.0	174.9	174.0	173.1
170°	185.9	184.5	183.4	181.7	179.9	178.8	178.1	176.7	174.9	174.6	174.2
172.5°	182.4	181.3	180.6	179.2	178.1	177.8	177.8	176.7	175.3	175.1	174.9
175°	179.2	178.5	178.1	177.4	176.7	176.7	177.0	176.3	175.6	175.4	175.3
177.5°	177.0	176.7	176.3	176.0	175.6	176.0	176.7	176.0	175.6	175.6	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-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°	3.2	2.1	1.4	0.7
92.5°	14.6	11.4	7.8	5.3
95°	23.1	17.1	13.2	12.1
97.5°	28.1	22.8	19.6	19.2
100°	34.1	29.2	26.7	26.3
102.5°	41.2	36.6	34.5	33.8
105°	48.7	44.4	42.3	41.2
107.5°	56.5	52.3	50.1	49.1
110°	64.3	60.4	58.7	57.6



TEST NUMBER: P1011996

CATALOG NUMBER: S123DIP-B775D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	72.2	68.3	66.5	65.4
115°	80.0	76.4	74.3	72.9
117.5°	87.1	83.9	82.1	80.3
120°	94.6	91.0	89.2	88.2
122.5°	101.7	97.8	96.0	94.9
125°	108.1	104.2	102.0	101.3
127.5°	113.8	109.9	107.4	106.3
130°	119.4	115.2	112.0	110.9
132.5°	124.8	119.4	115.9	114.5
135°	129.4	124.1	120.2	118.7
137.5°	133.7	128.0	124.1	122.6
140°	137.6	131.9	128.3	126.6
142.5°	141.1	136.2	132.2	130.8
145°	145.0	139.7	136.5	135.4
147.5°	148.6	144.0	140.8	140.1
150°	152.5	147.9	145.0	144.7
152.5°	156.1	152.2	149.3	149.3
155°	159.6	156.1	153.9	153.9
157.5°	162.8	159.6	157.8	157.5
160°	166.0	163.2	161.8	161.8
162.5°	168.2	166.0	165.0	165.0
165°	170.3	168.5	167.8	168.2
167.5°	172.1	170.6	170.3	170.6
170°	173.5	172.4	172.1	172.8
172.5°	174.6	173.8	173.8	174.2
175°	175.3	174.6	174.9	175.3
177.5°	175.6	175.3	175.6	176.0
180°	175.6	175.6	175.6	175.6

(END OF REPORT)