

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: P1012014

Luminaire Tested: S123DIP-B775D365UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012014
REPORT IS A COMBINATION OF REPORTS P990383 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D365UB40-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

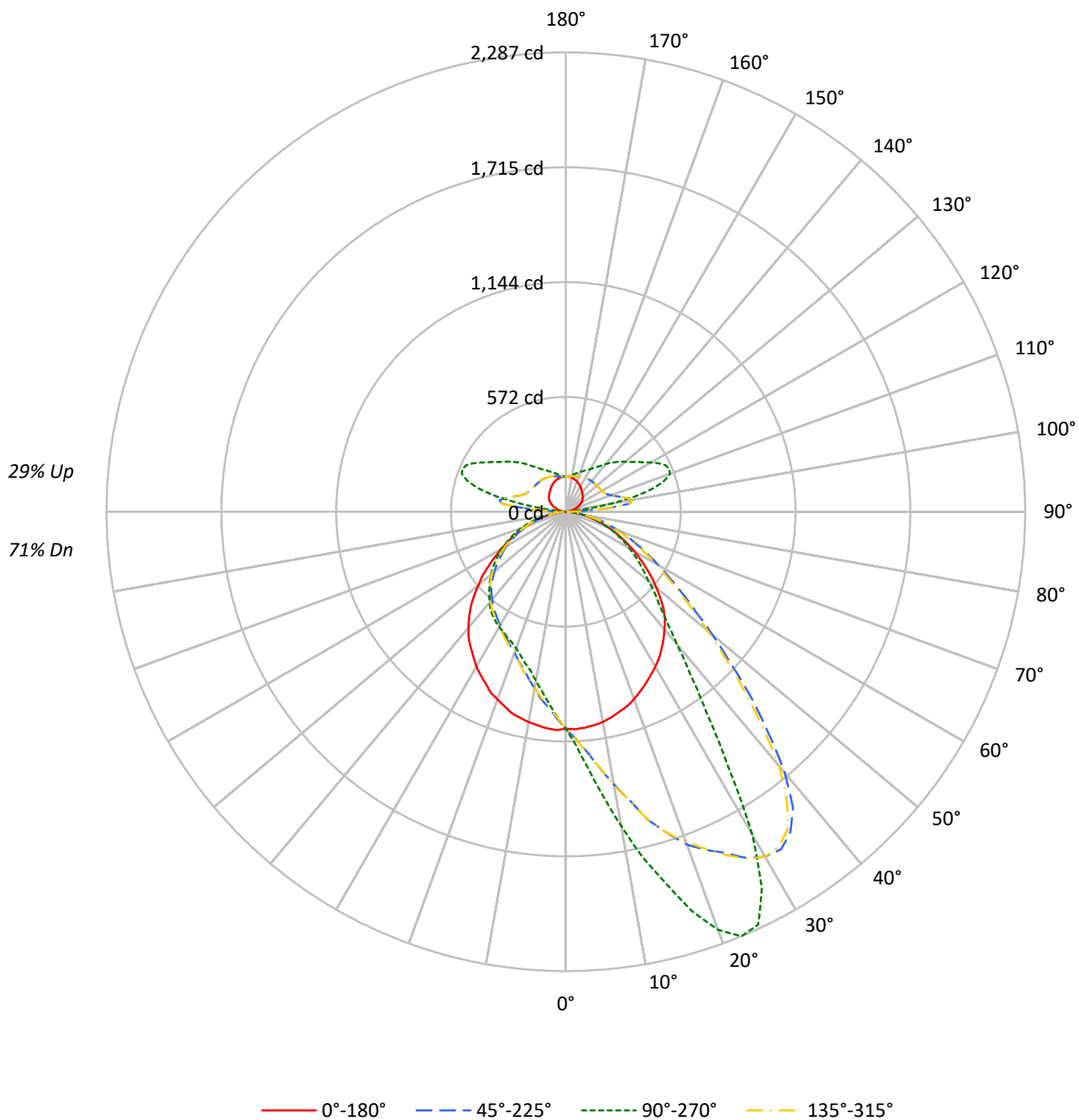
Lumens per Lamp: N/A
Luminaire Lumens: 4575.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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°	11626	11626	11626	11626
5°	11634	13396	11668	9998
10°	11560	16210	11572	8730
15°	11400	19225	11493	7859
20°	11263	22134	11287	7231
25°	11059	22692	11084	6904
30°	10913	18748	10913	6689
35°	10732	12538	10665	6500
40°	10515	9051	10385	6210
45°	10243	7170	9947	5850
50°	9583	6088	9241	5495
55°	8857	5351	8496	5100
60°	8120	4658	7688	4685
65°	7313	3989	6957	4132
70°	6473	3311	6040	3485
75°	5535	2497	5177	2689
80°	4376	1667	4034	1768
85°	3016	765	2411	696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18751 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	2.3
10°-20°	341.2	7.5
20°-30°	574.1	12.5
30°-40°	648.8	14.2
40°-50°	581.1	12.7
50°-60°	469.1	10.3
60°-70°	326.9	7.1
70°-80°	171.6	3.7
80°-90°	42.1	0.9
90°-100°	94.8	2.1
100°-110°	277.5	6.1
110°-120°	271.0	5.9
120°-130°	215.8	4.7
130°-140°	170.3	3.7
140°-150°	127.0	2.8
150°-160°	88.6	1.9
160°-170°	52.0	1.1
170°-180°	16.9	0.4
0°-30°	1021.5	22.3
0°-40°	1670.3	36.5
0°-60°	2720.4	59.5
0°-90°	3261.0	71.3
90°-120°	643.3	14.1
90°-150°	1156.5	25.3
90°-180°	1314.0	28.7
0°-180°	4575.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1080	1080	1080	1080	1080	
5°	1079	1283	1082	958	1079	102
15°	1030	1910	1038	781	1030	291
25°	942	2267	944	690	942	435
35°	831	1221	826	633	831	520
45°	690	659	670	538	690	528
55°	489	448	469	427	489	438
65°	302	291	288	301	302	301
75°	146	150	136	161	146	156
85°	31	34	25	31	31	36
90°	1	10	1	10	1	3
95°	12	41	12	41	12	13
105°	41	450	41	450	41	44
115°	72	547	72	547	72	72
125°	101	431	101	431	101	90
135°	118	350	118	350	118	91
145°	135	273	135	273	135	84
155°	153	227	153	227	153	70
165°	167	198	167	198	167	47
175°	174	178	174	178	174	17
180°	175	175	175	175	175	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1083.3	1091.6	1095.8	1102.1	1108.4	1117.8	1120.9	1126.2	1124.1	1128.3	1130.4
5°	1079.1	1093.7	1106.3	1122.0	1136.6	1147.1	1157.6	1174.3	1186.9	1189.0	1198.4
7.5°	1071.8	1092.7	1114.7	1136.6	1164.9	1181.7	1200.5	1223.5	1242.4	1272.7	1284.2
10°	1062.3	1091.6	1123.0	1153.4	1192.1	1218.3	1241.3	1280.0	1318.8	1350.2	1379.5
12.5°	1047.7	1084.3	1125.1	1170.1	1220.4	1250.7	1282.1	1333.4	1392.0	1440.2	1471.6
15°	1029.9	1075.9	1128.3	1176.4	1231.9	1288.4	1321.9	1379.5	1463.2	1508.2	1588.8
17.5°	1015.2	1062.3	1114.7	1190.0	1265.4	1321.9	1346.0	1451.7	1509.2	1584.6	1675.7
20°	992.2	1051.9	1118.9	1194.2	1291.5	1326.1	1375.3	1482.0	1553.2	1651.6	1763.6
22.5°	968.1	1032.0	1112.6	1191.1	1299.9	1336.6	1403.5	1488.3	1601.4	1698.7	1822.2
25°	942.0	1011.1	1092.7	1185.8	1292.6	1346.0	1408.8	1513.4	1635.9	1758.3	1872.4
27.5°	915.8	991.2	1075.9	1169.1	1272.7	1335.5	1398.3	1507.2	1664.2	1797.1	1942.6
30°	890.7	966.0	1050.8	1146.1	1254.9	1315.6	1375.3	1511.3	1686.1	1835.8	1982.3
32.5°	863.5	940.9	1029.9	1109.4	1219.3	1284.2	1351.2	1511.3	1699.7	1858.8	1992.8
35°	831.0	910.6	987.0	1066.5	1175.4	1247.6	1322.9	1500.9	1712.3	1866.2	1948.8
37.5°	799.6	869.8	935.7	1013.1	1127.2	1204.7	1291.5	1488.3	1706.0	1834.8	1857.8
40°	764.0	834.2	887.5	959.8	1080.1	1170.1	1258.1	1471.6	1678.8	1760.4	1693.5
42.5°	729.5	785.0	831.0	901.2	1032.0	1119.9	1215.1	1441.2	1625.4	1642.2	1491.5
45°	689.7	729.5	770.3	849.9	979.7	1069.7	1175.4	1397.3	1539.6	1491.5	1301.0
47.5°	638.4	674.0	719.0	792.3	924.2	1017.3	1117.8	1340.7	1415.1	1314.6	1106.3
50°	589.3	619.6	661.5	732.6	865.6	956.6	1063.4	1251.8	1288.4	1130.4	953.5
52.5°	540.1	563.1	603.9	675.1	808.0	895.9	993.3	1160.7	1139.8	970.2	813.2
55°	488.8	508.7	547.4	617.5	741.0	824.7	917.9	1048.7	994.3	833.1	707.5
57.5°	438.5	459.5	499.2	557.9	674.0	755.7	830.0	932.6	850.9	722.2	611.2
60°	393.5	411.3	441.7	499.2	605.0	670.9	738.9	809.0	741.0	616.5	531.7
62.5°	346.4	363.2	391.4	443.8	534.8	593.4	647.9	705.4	630.1	539.0	463.7
65°	302.5	316.1	342.2	390.4	464.7	512.9	556.8	596.6	535.9	452.1	395.6
67.5°	262.7	274.2	296.2	339.1	401.9	436.4	472.0	505.5	454.2	387.3	339.1
70°	219.8	229.2	249.1	280.5	330.7	366.3	392.5	417.6	371.6	318.2	285.7
72.5°	182.1	191.5	204.1	236.5	271.1	293.1	321.3	334.9	308.8	264.8	232.4
75°	145.5	152.8	164.3	185.3	217.7	232.4	250.1	260.6	236.5	207.2	187.3
77.5°	114.1	117.2	125.6	140.2	162.2	179.0	192.6	198.9	182.1	163.3	146.5
80°	80.6	84.8	91.1	103.6	120.4	125.6	134.0	141.3	130.8	114.1	103.6
82.5°	53.4	58.6	61.8	67.0	77.5	83.7	85.8	92.1	82.7	76.4	72.2
85°	31.4	33.5	34.5	37.7	42.9	46.1	49.2	50.2	48.1	47.1	42.9
87.5°	15.7	15.7	15.7	17.8	18.8	20.9	22.0	22.0	22.0	20.9	19.9
90°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.7	6.7	7.8	8.8
92.5°	5.3	7.8	11.3	14.5	18.0	21.2	24.4	35.7	54.5	72.8	65.8
95°	12.0	13.1	17.0	23.0	32.2	39.1	46.0	76.0	128.7	186.7	209.7
97.5°	19.1	19.4	22.6	27.9	37.1	44.7	52.3	82.0	143.2	240.8	322.5
100°	26.2	26.5	29.0	33.9	42.4	49.3	56.2	81.0	133.3	226.3	334.9
102.5°	33.6	34.3	36.4	41.0	48.4	54.6	60.8	82.4	124.8	205.1	311.9
105°	41.0	42.1	44.2	48.4	55.2	60.6	66.1	85.2	121.6	188.5	284.3
107.5°	48.8	49.9	52.0	56.2	62.6	67.7	72.8	89.8	120.9	176.5	259.9
110°	57.3	58.3	60.1	64.0	70.0	75.0	79.9	95.8	122.7	170.1	239.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.1	66.1	67.9	71.8	77.8	82.6	87.3	101.8	126.2	166.6	226.3
115°	72.5	73.9	76.0	79.6	85.6	90.4	95.1	108.6	130.1	166.2	217.5
117.5°	79.9	81.7	83.5	86.6	93.4	97.8	102.2	115.6	135.1	166.6	211.5
120°	87.7	88.8	90.5	94.1	100.8	105.2	109.6	122.4	140.7	168.0	207.6
122.5°	94.4	95.5	97.2	101.1	107.5	112.2	117.0	129.4	146.0	170.4	205.1
125°	100.8	101.5	103.6	107.5	114.2	119.0	123.8	136.1	151.7	172.9	203.0
127.5°	105.7	106.8	109.3	113.2	120.6	125.4	130.1	142.2	156.3	175.8	201.9
130°	110.3	111.4	114.6	118.8	126.2	131.0	135.8	147.5	160.9	178.6	200.9
132.5°	113.9	115.3	118.8	124.1	131.5	136.1	140.7	152.1	165.1	180.7	200.5
135°	118.1	119.5	123.4	128.7	136.1	140.9	145.7	156.7	168.7	182.8	200.2
137.5°	122.0	123.4	127.3	133.0	140.4	144.8	149.2	159.8	171.5	184.2	199.4
140°	125.9	127.7	131.2	136.9	143.9	148.4	152.8	163.0	173.6	185.7	199.1
142.5°	130.1	131.5	135.4	140.4	147.5	151.6	155.6	165.5	175.8	186.7	198.4
145°	134.7	135.8	139.0	144.3	150.3	154.4	158.4	167.6	177.2	187.1	197.7
147.5°	139.3	140.0	143.2	147.8	153.8	157.4	160.9	169.4	178.2	187.1	196.6
150°	143.9	144.3	147.1	151.7	156.7	159.8	163.0	171.2	178.6	187.1	195.2
152.5°	148.5	148.5	151.4	155.2	159.5	162.5	165.5	172.2	179.3	186.0	193.4
155°	153.1	153.1	155.2	158.8	162.7	165.1	167.6	173.6	179.3	185.3	191.3
157.5°	156.7	157.0	158.8	162.0	165.5	167.4	169.4	174.3	179.6	184.2	189.5
160°	160.9	160.9	162.3	165.1	167.6	169.4	171.2	175.4	179.6	183.5	187.4
162.5°	164.1	164.1	165.1	167.3	169.4	170.8	172.2	175.8	179.3	182.1	185.3
165°	167.3	166.9	167.6	169.4	170.8	172.0	173.3	176.1	178.6	180.7	183.2
167.5°	169.7	169.4	169.7	171.2	172.2	173.1	174.0	176.1	178.2	179.3	181.1
170°	171.9	171.2	171.5	172.6	173.3	173.6	174.0	175.8	177.2	177.9	178.9
172.5°	173.3	172.9	172.9	173.6	174.0	174.2	174.3	175.8	176.8	176.8	177.2
175°	174.3	174.0	173.6	174.3	174.3	174.5	174.7	175.4	176.1	175.8	175.8
177.5°	175.0	174.7	174.3	174.7	174.7	174.7	174.7	175.0	175.8	175.0	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1137.7	1139.8	1147.1	1152.3	1162.8	1161.8	1161.8	1160.7	1157.6	1162.8	1166.0
5°	1217.2	1235.0	1237.1	1260.1	1261.2	1270.6	1276.9	1271.7	1284.2	1283.2	1273.8
7.5°	1315.6	1339.7	1351.2	1373.2	1398.3	1392.0	1416.1	1420.3	1418.2	1428.7	1436.0
10°	1423.4	1465.3	1494.6	1535.4	1545.9	1552.2	1567.9	1581.5	1608.7	1587.7	1601.4
12.5°	1546.9	1577.3	1616.0	1680.9	1713.3	1734.3	1741.6	1751.0	1769.9	1758.3	1759.4
15°	1650.5	1691.4	1757.3	1837.9	1847.3	1873.5	1867.2	1923.7	1950.9	1910.1	1933.1
17.5°	1758.3	1812.8	1891.3	1961.4	2001.2	2019.0	2035.7	2090.1	2088.0	2081.8	2087.0
20°	1827.4	1916.4	2013.7	2106.9	2118.4	2132.0	2177.0	2200.0	2195.8	2213.6	2225.1
22.5°	1924.8	2019.0	2122.6	2184.3	2210.5	2226.2	2261.8	2276.4	2282.7	2286.9	2279.6
25°	2006.4	2106.9	2183.3	2237.7	2253.4	2261.8	2273.3	2277.5	2274.3	2267.0	2273.3
27.5°	2061.9	2142.5	2194.8	2219.9	2211.5	2197.9	2176.0	2161.3	2128.9	2113.2	2132.0
30°	2084.9	2120.5	2136.2	2094.3	2052.5	2019.0	1977.1	1899.6	1838.9	1856.7	1832.7
32.5°	2048.3	2025.2	1949.9	1842.1	1809.6	1755.2	1636.9	1545.9	1549.0	1500.9	1520.8
35°	1940.5	1835.8	1693.5	1530.2	1487.3	1458.0	1328.2	1308.3	1266.4	1221.4	1234.0
37.5°	1750.0	1597.2	1424.5	1304.1	1240.3	1176.4	1103.2	1059.2	1034.1	1015.2	1029.9
40°	1517.6	1331.3	1189.0	1081.2	1026.7	985.9	935.7	891.7	863.5	860.3	865.6
42.5°	1289.5	1132.5	1001.6	899.1	881.3	833.1	800.7	766.1	757.8	744.2	751.5
45°	1091.6	964.0	856.1	772.4	751.5	738.9	699.2	677.2	667.8	659.4	671.9
47.5°	948.3	814.3	735.8	685.5	664.6	643.7	621.7	607.0	599.7	600.8	599.7
50°	810.1	711.7	642.6	603.9	591.3	576.7	558.9	549.5	546.3	536.9	544.3
52.5°	697.1	625.9	577.7	541.1	531.7	521.2	506.6	501.3	494.0	491.9	491.9
55°	606.0	550.5	511.8	487.7	476.2	467.8	459.5	453.2	448.0	448.0	448.0
57.5°	534.8	486.7	458.4	437.5	433.3	424.9	415.5	415.5	408.2	407.1	410.3
60°	474.1	431.2	409.2	391.4	385.2	383.1	373.6	373.6	371.6	366.3	370.5
62.5°	412.4	381.0	362.1	348.5	342.2	342.2	334.9	329.7	329.7	330.7	328.6
65°	355.9	332.8	316.1	305.6	302.5	298.3	297.2	293.1	289.9	291.0	289.9
67.5°	305.6	287.8	276.3	267.9	262.7	260.6	257.5	257.5	255.4	256.4	251.2
70°	260.6	242.8	233.4	225.0	222.9	222.9	218.7	219.8	217.7	220.8	218.7
72.5°	214.6	201.0	193.6	190.5	188.4	187.3	185.3	183.2	182.1	184.2	183.2
75°	173.7	162.2	157.0	154.9	152.8	152.8	151.8	150.7	149.7	149.7	149.7
77.5°	135.0	127.7	121.4	123.5	120.4	121.4	118.3	118.3	119.3	118.3	118.3
80°	99.4	94.2	94.2	92.1	87.9	90.0	90.0	86.9	85.8	87.9	84.8
82.5°	65.9	64.9	62.8	61.8	59.7	60.7	59.7	58.6	57.6	59.7	57.6
85°	38.7	38.7	37.7	35.6	37.7	36.6	35.6	35.6	34.5	34.5	34.5
87.5°	19.9	17.8	17.8	16.7	17.8	15.7	16.7	15.7	14.7	15.7	14.7
90°	8.5	8.8	9.2	9.5	9.9	10.3	9.9	10.3	10.6	10.3	10.6
92.5°	49.2	35.0	27.2	23.7	22.4	21.2	20.5	19.1	19.4	18.7	19.4
95°	170.1	127.3	86.3	67.5	61.2	54.8	48.1	44.9	42.4	41.0	42.4
97.5°	333.5	292.4	220.7	174.0	153.8	133.7	110.0	96.5	88.1	84.2	88.1
100°	404.5	416.9	388.3	346.9	321.8	296.7	261.0	235.2	221.4	221.7	221.4
102.5°	408.1	458.3	464.3	444.5	430.9	417.3	391.5	372.4	361.4	351.1	361.4
105°	385.8	459.7	495.1	501.8	497.2	492.6	476.3	462.9	451.6	449.8	451.6
107.5°	354.0	438.5	494.0	521.6	526.4	531.1	529.0	522.7	518.1	514.2	518.1
110°	324.3	405.3	470.3	514.9	527.2	539.6	549.5	552.4	551.7	550.9	551.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	298.5	372.4	439.2	490.5	507.3	524.1	544.2	554.5	558.0	558.4	558.0
115°	278.7	344.1	405.6	457.6	476.8	496.1	522.7	538.2	545.3	547.1	545.3
117.5°	265.6	322.2	376.6	424.3	444.3	464.3	491.9	509.2	519.8	522.3	519.8
120°	255.7	305.5	353.3	395.7	413.6	431.4	459.4	479.2	487.6	489.8	487.6
122.5°	247.5	292.4	334.5	373.1	389.4	405.6	429.7	447.0	456.5	459.4	456.5
125°	240.8	281.1	319.7	353.6	367.8	381.9	404.5	420.1	428.9	431.4	428.9
127.5°	234.5	270.9	305.9	337.0	350.1	363.2	383.7	397.1	405.3	407.4	405.3
130°	229.5	261.3	293.2	321.8	333.8	345.8	364.6	377.3	384.7	387.6	384.7
132.5°	224.9	252.5	281.1	307.3	318.6	329.9	347.3	360.0	366.4	368.1	366.4
135°	221.0	244.7	269.8	292.8	302.9	313.0	330.3	340.9	347.3	349.7	347.3
137.5°	217.5	237.3	258.5	279.0	288.0	297.0	311.9	322.9	328.2	330.3	328.2
140°	214.3	230.9	249.0	265.9	273.5	281.1	294.6	304.5	310.1	309.8	310.1
142.5°	211.5	224.9	239.8	253.9	260.2	266.6	277.6	286.1	291.0	290.7	291.0
145°	209.0	220.3	232.0	243.3	248.4	253.5	262.4	269.8	272.6	273.4	272.6
147.5°	206.5	216.4	226.0	235.5	239.2	242.9	250.0	255.3	258.1	258.5	258.1
150°	204.0	212.2	220.3	227.7	231.1	234.5	239.8	243.6	245.8	245.8	245.8
152.5°	201.2	208.3	215.0	221.4	224.0	226.7	230.6	234.1	235.2	235.2	235.2
155°	198.4	204.4	210.1	215.4	217.5	219.6	222.8	225.6	226.3	226.7	226.3
157.5°	195.2	200.2	205.1	209.3	211.1	212.9	215.7	217.8	218.5	218.5	218.5
160°	192.0	196.6	200.5	204.0	205.2	206.5	209.0	211.1	211.1	210.8	211.1
162.5°	188.8	192.4	195.6	198.7	199.8	200.9	202.3	204.0	204.0	203.7	204.0
165°	186.0	188.8	191.0	193.4	194.3	195.2	196.6	198.0	197.7	197.7	197.7
167.5°	183.2	185.7	187.4	188.8	189.5	190.2	191.0	192.0	191.7	191.7	191.7
170°	180.7	182.5	183.5	184.9	185.3	185.7	186.0	186.7	186.4	186.4	186.4
172.5°	178.2	179.6	180.3	181.4	181.6	181.8	181.8	182.5	181.8	181.4	181.8
175°	176.5	177.2	177.5	178.2	178.2	178.2	178.2	178.6	178.2	177.9	178.2
177.5°	175.0	175.4	175.8	176.1	176.1	176.1	175.8	176.1	175.4	175.4	175.4
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1157.6	1160.7	1152.3	1150.3	1150.3	1154.4	1151.3	1123.0	1128.3	1122.0	1119.9
5°	1285.3	1279.0	1270.6	1266.4	1261.2	1246.5	1245.5	1213.1	1206.8	1185.8	1176.4
7.5°	1425.5	1420.3	1395.2	1392.0	1389.9	1376.3	1341.8	1307.2	1282.1	1258.1	1235.0
10°	1585.7	1570.0	1558.4	1535.4	1523.9	1505.1	1460.1	1427.6	1384.7	1348.1	1299.9
12.5°	1778.2	1760.4	1721.7	1705.0	1690.3	1638.0	1593.0	1556.3	1472.6	1447.5	1387.8
15°	1919.5	1881.9	1877.7	1841.0	1838.9	1781.4	1695.5	1655.8	1590.9	1498.8	1437.0
17.5°	2072.3	2038.8	2012.7	1968.7	1962.4	1908.0	1845.2	1747.9	1676.7	1588.8	1510.3
20°	2184.3	2166.5	2121.5	2103.7	2067.1	2021.1	1956.2	1835.8	1748.9	1661.0	1564.7
22.5°	2273.3	2255.5	2219.9	2195.8	2174.9	2115.3	2037.8	1935.2	1815.9	1700.8	1601.4
25°	2272.2	2267.0	2252.4	2240.8	2225.1	2181.2	2116.3	2017.9	1885.0	1758.3	1620.2
27.5°	2143.5	2158.2	2183.3	2195.8	2192.7	2186.4	2149.8	2067.1	1947.8	1797.1	1642.2
30°	1875.6	1928.9	1976.0	2038.8	2057.7	2103.7	2124.7	2077.6	1982.3	1842.1	1670.4
32.5°	1555.3	1632.8	1735.3	1769.9	1829.5	1918.5	2017.9	2035.7	1976.0	1868.2	1688.2
35°	1275.8	1339.7	1419.2	1473.7	1527.0	1671.5	1797.1	1905.9	1925.8	1854.6	1684.0
37.5°	1056.1	1101.1	1171.2	1217.2	1266.4	1389.9	1565.8	1707.1	1806.5	1808.6	1672.5
40°	897.0	916.9	977.6	1011.1	1058.1	1164.9	1321.9	1506.1	1651.6	1718.6	1642.2
42.5°	759.9	786.0	836.3	861.4	891.7	984.9	1088.5	1263.3	1443.3	1586.7	1585.7
45°	678.2	697.1	720.1	741.0	775.6	831.0	949.3	1080.1	1252.8	1415.1	1478.9
47.5°	606.0	623.8	646.8	653.1	676.1	728.5	800.7	914.8	1075.9	1237.1	1357.5
50°	545.3	560.0	575.6	587.2	597.6	640.5	695.0	791.3	920.0	1075.9	1225.6
52.5°	498.2	508.7	522.3	528.6	538.0	569.4	611.2	682.4	788.1	930.5	1075.9
55°	454.2	461.6	469.9	480.4	484.6	507.6	540.1	600.8	679.3	807.0	945.1
57.5°	413.4	416.6	421.8	428.1	433.3	453.2	481.5	522.3	591.3	689.7	820.6
60°	367.4	375.7	378.9	385.2	388.3	404.0	426.0	460.5	513.9	598.7	697.1
62.5°	328.6	333.9	339.1	342.2	349.6	354.8	372.6	404.0	448.0	510.8	599.7
65°	294.1	296.2	299.3	302.5	304.6	310.9	327.6	348.5	382.0	437.5	506.6
67.5°	254.3	256.4	260.6	261.7	263.8	272.1	281.5	299.3	327.6	369.5	426.0
70°	215.6	218.7	220.8	222.9	226.1	229.2	239.7	254.3	276.3	305.6	349.6
72.5°	182.1	185.3	185.3	187.3	186.3	190.5	201.0	211.4	226.1	250.1	288.9
75°	148.6	148.6	150.7	151.8	152.8	157.0	161.2	169.6	181.1	199.9	224.0
77.5°	117.2	116.2	118.3	118.3	118.3	121.4	125.6	129.8	137.1	150.7	169.6
80°	85.8	85.8	87.9	89.0	86.9	87.9	90.0	94.2	99.4	108.9	119.3
82.5°	56.5	60.7	59.7	60.7	59.7	61.8	62.8	63.8	65.9	70.1	77.5
85°	34.5	34.5	34.5	35.6	34.5	35.6	35.6	35.6	36.6	38.7	41.9
87.5°	14.7	14.7	14.7	15.7	14.7	14.7	15.7	14.7	15.7	15.7	16.7
90°	10.3	9.9	10.3	9.9	9.5	9.2	8.8	8.5	8.8	7.8	6.7
92.5°	19.1	20.5	21.2	22.4	23.7	27.2	35.0	49.2	65.8	72.8	54.5
95°	44.9	48.1	54.8	61.2	67.5	86.3	127.3	170.1	209.7	186.7	128.7
97.5°	96.5	110.0	133.7	153.8	174.0	220.7	292.4	333.5	322.5	240.8	143.2
100°	235.2	261.0	296.7	321.8	346.9	388.3	416.9	404.5	334.9	226.3	133.3
102.5°	372.4	391.5	417.3	430.9	444.5	464.3	458.3	408.1	311.9	205.1	124.8
105°	462.9	476.3	492.6	497.2	501.8	495.1	459.7	385.8	284.3	188.5	121.6
107.5°	522.7	529.0	531.1	526.4	521.6	494.0	438.5	354.0	259.9	176.5	120.9
110°	552.4	549.5	539.6	527.2	514.9	470.3	405.3	324.3	239.8	170.1	122.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	554.5	544.2	524.1	507.3	490.5	439.2	372.4	298.5	226.3	166.6	126.2
115°	538.2	522.7	496.1	476.8	457.6	405.6	344.1	278.7	217.5	166.2	130.1
117.5°	509.2	491.9	464.3	444.3	424.3	376.6	322.2	265.6	211.5	166.6	135.1
120°	479.2	459.4	431.4	413.6	395.7	353.3	305.5	255.7	207.6	168.0	140.7
122.5°	447.0	429.7	405.6	389.4	373.1	334.5	292.4	247.5	205.1	170.4	146.0
125°	420.1	404.5	381.9	367.8	353.6	319.7	281.1	240.8	203.0	172.9	151.7
127.5°	397.1	383.7	363.2	350.1	337.0	305.9	270.9	234.5	201.9	175.8	156.3
130°	377.3	364.6	345.8	333.8	321.8	293.2	261.3	229.5	200.9	178.6	160.9
132.5°	360.0	347.3	329.9	318.6	307.3	281.1	252.5	224.9	200.5	180.7	165.1
135°	340.9	330.3	313.0	302.9	292.8	269.8	244.7	221.0	200.2	182.8	168.7
137.5°	322.9	311.9	297.0	288.0	279.0	258.5	237.3	217.5	199.4	184.2	171.5
140°	304.5	294.6	281.1	273.5	265.9	249.0	230.9	214.3	199.1	185.7	173.6
142.5°	286.1	277.6	266.6	260.2	253.9	239.8	224.9	211.5	198.4	186.7	175.8
145°	269.8	262.4	253.5	248.4	243.3	232.0	220.3	209.0	197.7	187.1	177.2
147.5°	255.3	250.0	242.9	239.2	235.5	226.0	216.4	206.5	196.6	187.1	178.2
150°	243.6	239.8	234.5	231.1	227.7	220.3	212.2	204.0	195.2	187.1	178.6
152.5°	234.1	230.6	226.7	224.0	221.4	215.0	208.3	201.2	193.4	186.0	179.3
155°	225.6	222.8	219.6	217.5	215.4	210.1	204.4	198.4	191.3	185.3	179.3
157.5°	217.8	215.7	212.9	211.1	209.3	205.1	200.2	195.2	189.5	184.2	179.6
160°	211.1	209.0	206.5	205.2	204.0	200.5	196.6	192.0	187.4	183.5	179.6
162.5°	204.0	202.3	200.9	199.8	198.7	195.6	192.4	188.8	185.3	182.1	179.3
165°	198.0	196.6	195.2	194.3	193.4	191.0	188.8	186.0	183.2	180.7	178.6
167.5°	192.0	191.0	190.2	189.5	188.8	187.4	185.7	183.2	181.1	179.3	178.2
170°	186.7	186.0	185.7	185.3	184.9	183.5	182.5	180.7	178.9	177.9	177.2
172.5°	182.5	181.8	181.8	181.6	181.4	180.3	179.6	178.2	177.2	176.8	176.8
175°	178.6	178.2	178.2	178.2	178.2	177.5	177.2	176.5	175.8	175.8	176.1
177.5°	176.1	175.8	176.1	176.1	176.1	175.8	175.4	175.0	174.7	175.0	175.8
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1109.4	1106.3	1106.3	1104.2	1097.9	1086.4	1085.4	1087.5	1081.2	1074.9	1065.5
5°	1163.9	1144.0	1137.7	1131.4	1118.9	1097.9	1089.5	1082.2	1070.7	1057.1	1042.4
7.5°	1209.9	1181.7	1173.3	1161.8	1136.6	1107.3	1088.5	1072.8	1057.1	1038.3	1020.5
10°	1267.5	1226.7	1206.8	1190.0	1155.5	1114.7	1086.4	1063.4	1038.3	1015.2	992.2
12.5°	1332.4	1266.4	1260.1	1219.3	1179.6	1118.9	1084.3	1050.8	1017.3	989.1	965.0
15°	1386.8	1314.6	1288.4	1261.2	1184.8	1109.4	1075.9	1038.3	999.5	969.2	933.6
17.5°	1421.3	1361.7	1306.2	1269.6	1190.0	1123.0	1058.1	1015.2	974.4	932.6	903.2
20°	1463.2	1376.3	1328.2	1279.0	1200.5	1112.6	1047.7	994.3	944.1	906.4	870.8
22.5°	1505.1	1387.8	1348.1	1294.7	1202.6	1102.1	1028.8	975.5	917.9	880.2	841.5
25°	1500.9	1404.6	1338.6	1293.6	1181.7	1092.7	1006.9	944.1	890.7	842.5	803.8
27.5°	1504.0	1385.7	1318.8	1266.4	1167.0	1079.1	983.8	917.9	862.4	812.2	771.4
30°	1505.1	1357.5	1298.9	1236.1	1139.8	1046.6	957.7	890.7	832.1	777.7	741.0
32.5°	1501.9	1334.5	1261.2	1204.7	1096.9	1015.2	927.3	856.1	796.5	746.3	711.7
35°	1494.6	1307.2	1222.5	1151.3	1052.9	970.2	899.1	825.8	762.0	715.9	676.1
37.5°	1474.7	1277.9	1181.7	1111.5	1001.6	917.9	855.1	794.4	732.6	678.2	644.7
40°	1460.1	1238.2	1140.8	1064.4	946.2	864.5	812.2	754.6	693.9	644.7	612.3
42.5°	1426.6	1200.5	1099.0	1007.9	891.7	808.0	758.8	712.8	660.4	612.3	583.0
45°	1372.1	1159.7	1047.7	955.6	832.1	752.5	707.5	669.8	623.8	577.7	548.4
47.5°	1295.7	1101.1	993.3	901.2	773.5	692.9	647.9	619.6	583.0	544.3	519.1
50°	1213.1	1037.2	937.8	846.7	716.9	638.4	594.5	568.3	544.3	508.7	484.6
52.5°	1105.2	969.2	873.9	787.1	656.2	580.9	542.2	523.3	498.2	473.1	452.1
55°	1000.6	881.3	802.8	720.1	596.6	526.5	488.8	468.9	454.2	433.3	416.6
57.5°	879.2	799.6	727.4	652.1	541.1	477.3	441.7	417.6	408.2	398.8	383.1
60°	767.2	706.5	647.9	585.1	483.5	426.0	391.4	372.6	363.2	356.9	346.4
62.5°	664.6	617.5	567.3	517.0	424.9	372.6	346.4	327.6	319.2	318.2	308.8
65°	566.2	532.7	491.9	442.7	370.5	324.5	299.3	287.8	278.4	278.4	271.1
67.5°	467.8	444.8	412.4	377.8	321.3	278.4	255.4	244.9	239.7	239.7	234.4
70°	389.3	373.6	344.3	314.0	264.8	232.4	214.6	205.1	202.0	203.0	198.9
72.5°	316.1	299.3	275.3	253.3	216.7	192.6	180.0	169.6	164.3	165.4	164.3
75°	244.9	236.5	215.6	198.9	169.6	152.8	141.3	136.1	131.9	132.9	130.8
77.5°	184.2	171.6	160.1	148.6	130.8	117.2	107.8	102.6	99.4	99.4	99.4
80°	125.6	123.5	114.1	107.8	93.2	82.7	75.4	74.3	71.2	71.2	71.2
82.5°	81.6	76.4	71.2	67.0	58.6	52.3	49.2	47.1	46.1	45.0	47.1
85°	45.0	41.9	39.8	35.6	32.4	29.3	26.2	25.1	24.1	25.1	24.1
87.5°	17.8	14.7	14.7	13.6	12.6	11.5	11.5	9.4	9.4	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°	35.7	24.4	21.2	18.0	14.5	11.3	7.8	5.3	7.8	11.3	14.5
95°	76.0	46.0	39.1	32.2	23.0	17.0	13.1	12.0	13.1	17.0	23.0
97.5°	82.0	52.3	44.7	37.1	27.9	22.6	19.4	19.1	19.4	22.6	27.9
100°	81.0	56.2	49.3	42.4	33.9	29.0	26.5	26.2	26.5	29.0	33.9
102.5°	82.4	60.8	54.6	48.4	41.0	36.4	34.3	33.6	34.3	36.4	41.0
105°	85.2	66.1	60.6	55.2	48.4	44.2	42.1	41.0	42.1	44.2	48.4
107.5°	89.8	72.8	67.7	62.6	56.2	52.0	49.9	48.8	49.9	52.0	56.2
110°	95.8	79.9	75.0	70.0	64.0	60.1	58.3	57.3	58.3	60.1	64.0

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	101.8	87.3	82.6	77.8	71.8	67.9	66.1	65.1	66.1	67.9	71.8
115°	108.6	95.1	90.4	85.6	79.6	76.0	73.9	72.5	73.9	76.0	79.6
117.5°	115.6	102.2	97.8	93.4	86.6	83.5	81.7	79.9	81.7	83.5	86.6
120°	122.4	109.6	105.2	100.8	94.1	90.5	88.8	87.7	88.8	90.5	94.1
122.5°	129.4	117.0	112.2	107.5	101.1	97.2	95.5	94.4	95.5	97.2	101.1
125°	136.1	123.8	119.0	114.2	107.5	103.6	101.5	100.8	101.5	103.6	107.5
127.5°	142.2	130.1	125.4	120.6	113.2	109.3	106.8	105.7	106.8	109.3	113.2
130°	147.5	135.8	131.0	126.2	118.8	114.6	111.4	110.3	111.4	114.6	118.8
132.5°	152.1	140.7	136.1	131.5	124.1	118.8	115.3	113.9	115.3	118.8	124.1
135°	156.7	145.7	140.9	136.1	128.7	123.4	119.5	118.1	119.5	123.4	128.7
137.5°	159.8	149.2	144.8	140.4	133.0	127.3	123.4	122.0	123.4	127.3	133.0
140°	163.0	152.8	148.4	143.9	136.9	131.2	127.7	125.9	127.7	131.2	136.9
142.5°	165.5	155.6	151.6	147.5	140.4	135.4	131.5	130.1	131.5	135.4	140.4
145°	167.6	158.4	154.4	150.3	144.3	139.0	135.8	134.7	135.8	139.0	144.3
147.5°	169.4	160.9	157.4	153.8	147.8	143.2	140.0	139.3	140.0	143.2	147.8
150°	171.2	163.0	159.8	156.7	151.7	147.1	144.3	143.9	144.3	147.1	151.7
152.5°	172.2	165.5	162.5	159.5	155.2	151.4	148.5	148.5	148.5	151.4	155.2
155°	173.6	167.6	165.1	162.7	158.8	155.2	153.1	153.1	153.1	155.2	158.8
157.5°	174.3	169.4	167.4	165.5	162.0	158.8	157.0	156.7	157.0	158.8	162.0
160°	175.4	171.2	169.4	167.6	165.1	162.3	160.9	160.9	160.9	162.3	165.1
162.5°	175.8	172.2	170.8	169.4	167.3	165.1	164.1	164.1	164.1	165.1	167.3
165°	176.1	173.3	172.0	170.8	169.4	167.6	166.9	167.3	166.9	167.6	169.4
167.5°	176.1	174.0	173.1	172.2	171.2	169.7	169.4	169.7	169.4	169.7	171.2
170°	175.8	174.0	173.6	173.3	172.6	171.5	171.2	171.9	171.2	171.5	172.6
172.5°	175.8	174.3	174.2	174.0	173.6	172.9	172.9	173.3	172.9	172.9	173.6
175°	175.4	174.7	174.5	174.3	174.3	173.6	174.0	174.3	174.0	173.6	174.3
177.5°	175.0	174.7	174.7	174.7	174.7	174.3	174.7	175.0	174.7	174.3	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1063.4	1062.3	1064.4	1058.1	1047.7	1042.4	1027.8	1024.7	1023.6	1024.7	1025.7
5°	1034.1	1033.0	1029.9	1019.4	1006.9	997.4	979.7	978.6	972.3	966.0	969.2
7.5°	1005.8	1001.6	995.4	981.7	965.0	954.5	939.9	929.4	921.0	915.8	911.6
10°	977.6	971.3	965.0	947.2	926.3	910.6	892.8	884.4	875.0	870.8	866.6
12.5°	940.9	934.6	923.1	902.2	889.6	869.8	852.0	843.6	838.4	830.0	824.7
15°	911.6	899.1	892.8	870.8	844.6	842.5	810.1	808.0	797.5	797.5	789.2
17.5°	878.1	868.7	857.2	835.2	816.4	797.5	780.8	774.5	765.1	763.0	758.8
20°	845.7	833.1	828.9	807.0	787.1	764.0	746.3	740.0	735.8	731.6	734.7
22.5°	812.2	801.7	791.3	771.4	756.7	733.7	723.2	716.9	710.7	708.6	709.6
25°	779.7	770.3	759.9	740.0	724.3	705.4	696.0	692.9	689.7	689.7	688.7
27.5°	748.3	738.9	729.5	711.7	696.0	682.4	675.1	671.9	668.8	670.9	673.0
30°	715.9	707.5	699.2	683.5	670.9	658.3	654.1	652.1	651.0	656.2	656.2
32.5°	686.6	679.3	673.0	658.3	645.8	635.3	632.2	633.2	634.3	637.4	639.5
35°	656.2	651.0	644.7	632.2	621.7	612.3	613.3	613.3	615.4	620.7	624.8
37.5°	629.0	621.7	616.5	606.0	597.6	589.3	592.4	595.5	597.6	603.9	606.0
40°	596.6	593.4	589.3	578.8	571.5	570.4	571.5	573.6	577.7	580.9	584.0
42.5°	570.4	566.2	561.0	552.6	546.3	547.4	548.4	550.5	552.6	557.9	561.0
45°	541.1	538.0	533.8	526.5	521.2	522.3	523.3	523.3	525.4	531.7	533.8
47.5°	508.7	509.7	504.5	497.2	494.0	494.0	494.0	496.1	501.3	503.4	504.5
50°	477.3	475.2	474.1	466.8	464.7	463.7	464.7	465.8	473.1	472.0	475.2
52.5°	443.8	443.8	442.7	438.5	435.4	435.4	433.3	438.5	440.6	442.7	445.9
55°	411.3	408.2	407.1	405.0	400.9	399.8	401.9	408.2	410.3	412.4	415.5
57.5°	375.7	375.7	373.6	370.5	370.5	370.5	370.5	374.7	377.8	379.9	386.2
60°	343.3	339.1	336.0	336.0	336.0	334.9	341.2	341.2	347.5	348.5	350.6
62.5°	304.6	302.5	300.4	301.4	300.4	302.5	304.6	308.8	309.8	312.9	316.1
65°	267.9	267.9	265.8	272.1	267.9	267.9	273.2	273.2	275.3	278.4	282.6
67.5°	232.4	233.4	231.3	231.3	233.4	234.4	235.5	239.7	240.7	244.9	250.1
70°	195.7	197.8	198.9	196.8	198.9	201.0	203.0	204.1	208.3	210.4	213.5
72.5°	163.3	165.4	162.2	163.3	164.3	166.4	167.5	169.6	171.6	177.9	180.0
75°	130.8	129.8	128.7	132.9	130.8	135.0	136.1	136.1	138.2	143.4	145.5
77.5°	100.5	100.5	101.5	99.4	102.6	101.5	102.6	105.7	108.9	108.9	117.2
80°	70.1	72.2	72.2	72.2	73.3	74.3	72.2	77.5	78.5	78.5	81.6
82.5°	45.0	46.1	45.0	47.1	47.1	49.2	48.1	49.2	51.3	53.4	54.4
85°	24.1	24.1	26.2	26.2	25.1	26.2	25.1	26.2	28.3	28.3	29.3
87.5°	8.4	8.4	8.4	8.4	9.4	8.4	9.4	9.4	8.4	8.4	11.5
90°	3.9	4.2	4.6	5.7	6.7	7.8	8.8	8.5	8.8	9.2	9.5
92.5°	18.0	21.2	24.4	35.7	54.5	72.8	65.8	49.2	35.0	27.2	23.7
95°	32.2	39.1	46.0	76.0	128.7	186.7	209.7	170.1	127.3	86.3	67.5
97.5°	37.1	44.7	52.3	82.0	143.2	240.8	322.5	333.5	292.4	220.7	174.0
100°	42.4	49.3	56.2	81.0	133.3	226.3	334.9	404.5	416.9	388.3	346.9
102.5°	48.4	54.6	60.8	82.4	124.8	205.1	311.9	408.1	458.3	464.3	444.5
105°	55.2	60.6	66.1	85.2	121.6	188.5	284.3	385.8	459.7	495.1	501.8
107.5°	62.6	67.7	72.8	89.8	120.9	176.5	259.9	354.0	438.5	494.0	521.6
110°	70.0	75.0	79.9	95.8	122.7	170.1	239.8	324.3	405.3	470.3	514.9

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	77.8	82.6	87.3	101.8	126.2	166.6	226.3	298.5	372.4	439.2	490.5
115°	85.6	90.4	95.1	108.6	130.1	166.2	217.5	278.7	344.1	405.6	457.6
117.5°	93.4	97.8	102.2	115.6	135.1	166.6	211.5	265.6	322.2	376.6	424.3
120°	100.8	105.2	109.6	122.4	140.7	168.0	207.6	255.7	305.5	353.3	395.7
122.5°	107.5	112.2	117.0	129.4	146.0	170.4	205.1	247.5	292.4	334.5	373.1
125°	114.2	119.0	123.8	136.1	151.7	172.9	203.0	240.8	281.1	319.7	353.6
127.5°	120.6	125.4	130.1	142.2	156.3	175.8	201.9	234.5	270.9	305.9	337.0
130°	126.2	131.0	135.8	147.5	160.9	178.6	200.9	229.5	261.3	293.2	321.8
132.5°	131.5	136.1	140.7	152.1	165.1	180.7	200.5	224.9	252.5	281.1	307.3
135°	136.1	140.9	145.7	156.7	168.7	182.8	200.2	221.0	244.7	269.8	292.8
137.5°	140.4	144.8	149.2	159.8	171.5	184.2	199.4	217.5	237.3	258.5	279.0
140°	143.9	148.4	152.8	163.0	173.6	185.7	199.1	214.3	230.9	249.0	265.9
142.5°	147.5	151.6	155.6	165.5	175.8	186.7	198.4	211.5	224.9	239.8	253.9
145°	150.3	154.4	158.4	167.6	177.2	187.1	197.7	209.0	220.3	232.0	243.3
147.5°	153.8	157.4	160.9	169.4	178.2	187.1	196.6	206.5	216.4	226.0	235.5
150°	156.7	159.8	163.0	171.2	178.6	187.1	195.2	204.0	212.2	220.3	227.7
152.5°	159.5	162.5	165.5	172.2	179.3	186.0	193.4	201.2	208.3	215.0	221.4
155°	162.7	165.1	167.6	173.6	179.3	185.3	191.3	198.4	204.4	210.1	215.4
157.5°	165.5	167.4	169.4	174.3	179.6	184.2	189.5	195.2	200.2	205.1	209.3
160°	167.6	169.4	171.2	175.4	179.6	183.5	187.4	192.0	196.6	200.5	204.0
162.5°	169.4	170.8	172.2	175.8	179.3	182.1	185.3	188.8	192.4	195.6	198.7
165°	170.8	172.0	173.3	176.1	178.6	180.7	183.2	186.0	188.8	191.0	193.4
167.5°	172.2	173.1	174.0	176.1	178.2	179.3	181.1	183.2	185.7	187.4	188.8
170°	173.3	173.6	174.0	175.8	177.2	177.9	178.9	180.7	182.5	183.5	184.9
172.5°	174.0	174.2	174.3	175.8	176.8	176.8	177.2	178.2	179.6	180.3	181.4
175°	174.3	174.5	174.7	175.4	176.1	175.8	175.8	176.5	177.2	177.5	178.2
177.5°	174.7	174.7	174.7	175.0	175.8	175.0	174.7	175.0	175.4	175.8	176.1
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1024.7	1025.7	1021.5	1018.4	1026.7	1021.5	1021.5	1022.6	1020.5	1023.6	1022.6
5°	967.1	968.1	960.8	962.9	958.7	957.7	956.6	962.9	961.9	960.8	962.9
7.5°	910.6	910.6	907.4	905.3	905.3	902.2	906.4	905.3	907.4	907.4	910.6
10°	863.5	865.6	860.3	855.1	854.1	855.1	855.1	856.1	857.2	864.5	863.5
12.5°	824.7	821.6	820.6	817.4	812.2	810.1	808.0	819.5	816.4	816.4	816.4
15°	781.8	789.2	788.1	778.7	776.6	780.8	778.7	778.7	789.2	788.1	787.1
17.5°	758.8	756.7	754.6	749.4	750.4	749.4	750.4	750.4	756.7	756.7	756.7
20°	732.6	728.5	728.5	726.4	726.4	723.2	727.4	728.5	732.6	732.6	733.7
22.5°	709.6	706.5	706.5	705.4	707.5	703.3	707.5	708.6	708.6	711.7	711.7
25°	689.7	687.6	687.6	689.7	689.7	689.7	689.7	693.9	690.8	691.8	690.8
27.5°	671.9	673.0	674.0	675.1	674.0	675.1	676.1	678.2	679.3	678.2	676.1
30°	655.2	658.3	659.4	659.4	661.5	662.5	663.6	663.6	664.6	661.5	663.6
32.5°	642.6	642.6	644.7	645.8	647.9	648.9	648.9	651.0	650.0	646.8	647.9
35°	624.8	624.8	629.0	631.1	634.3	633.2	634.3	634.3	635.3	633.2	630.1
37.5°	607.0	609.1	609.1	613.3	614.4	615.4	614.4	616.5	615.4	613.3	612.3
40°	586.1	585.1	586.1	589.3	590.3	590.3	590.3	592.4	592.4	592.4	591.3
42.5°	560.0	563.1	562.0	565.2	564.1	564.1	566.2	568.3	569.4	566.2	567.3
45°	534.8	534.8	536.9	536.9	538.0	538.0	542.2	540.1	542.2	540.1	541.1
47.5°	507.6	508.7	508.7	509.7	511.8	513.9	511.8	512.9	512.9	513.9	511.8
50°	477.3	477.3	479.4	482.5	486.7	484.6	483.5	487.7	484.6	484.6	482.5
52.5°	445.9	449.0	450.1	453.2	456.3	457.4	458.4	456.3	457.4	454.2	455.3
55°	415.5	416.6	420.7	423.9	427.0	427.0	426.0	427.0	428.1	423.9	423.9
57.5°	385.2	388.3	392.5	392.5	396.7	396.7	395.6	395.6	396.7	393.5	392.5
60°	352.7	355.9	361.1	361.1	367.4	368.4	366.3	364.2	364.2	361.1	362.1
62.5°	318.2	321.3	324.5	329.7	333.9	331.8	336.0	331.8	332.8	326.6	326.6
65°	287.8	288.9	294.1	299.3	299.3	301.4	299.3	300.4	297.2	297.2	293.1
67.5°	252.2	252.2	257.5	262.7	267.9	267.9	267.9	264.8	264.8	261.7	261.7
70°	220.8	219.8	225.0	228.2	231.3	232.4	230.3	229.2	227.1	224.0	222.9
72.5°	182.1	184.2	189.4	191.5	196.8	195.7	201.0	194.7	194.7	189.4	188.4
75°	147.6	149.7	154.9	158.0	161.2	161.2	164.3	161.2	157.0	154.9	153.9
77.5°	117.2	116.2	120.4	125.6	126.6	125.6	127.7	126.6	122.5	122.5	120.4
80°	83.7	86.9	91.1	90.0	94.2	93.2	93.2	91.1	91.1	87.9	90.0
82.5°	55.5	58.6	59.7	58.6	59.7	61.8	62.8	61.8	61.8	59.7	60.7
85°	29.3	29.3	31.4	32.4	31.4	31.4	32.4	35.6	33.5	31.4	33.5
87.5°	9.4	8.4	8.4	9.4	8.4	8.4	9.4	9.4	10.5	10.5	10.5
90°	9.9	10.3	9.9	10.3	10.6	10.3	10.6	10.3	9.9	10.3	9.9
92.5°	22.4	21.2	20.5	19.1	19.4	18.7	19.4	19.1	20.5	21.2	22.4
95°	61.2	54.8	48.1	44.9	42.4	41.0	42.4	44.9	48.1	54.8	61.2
97.5°	153.8	133.7	110.0	96.5	88.1	84.2	88.1	96.5	110.0	133.7	153.8
100°	321.8	296.7	261.0	235.2	221.4	221.7	221.4	235.2	261.0	296.7	321.8
102.5°	430.9	417.3	391.5	372.4	361.4	351.1	361.4	372.4	391.5	417.3	430.9
105°	497.2	492.6	476.3	462.9	451.6	449.8	451.6	462.9	476.3	492.6	497.2
107.5°	526.4	531.1	529.0	522.7	518.1	514.2	518.1	522.7	529.0	531.1	526.4
110°	527.2	539.6	549.5	552.4	551.7	550.9	551.7	552.4	549.5	539.6	527.2

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	507.3	524.1	544.2	554.5	558.0	558.4	558.0	554.5	544.2	524.1	507.3
115°	476.8	496.1	522.7	538.2	545.3	547.1	545.3	538.2	522.7	496.1	476.8
117.5°	444.3	464.3	491.9	509.2	519.8	522.3	519.8	509.2	491.9	464.3	444.3
120°	413.6	431.4	459.4	479.2	487.6	489.8	487.6	479.2	459.4	431.4	413.6
122.5°	389.4	405.6	429.7	447.0	456.5	459.4	456.5	447.0	429.7	405.6	389.4
125°	367.8	381.9	404.5	420.1	428.9	431.4	428.9	420.1	404.5	381.9	367.8
127.5°	350.1	363.2	383.7	397.1	405.3	407.4	405.3	397.1	383.7	363.2	350.1
130°	333.8	345.8	364.6	377.3	384.7	387.6	384.7	377.3	364.6	345.8	333.8
132.5°	318.6	329.9	347.3	360.0	366.4	368.1	366.4	360.0	347.3	329.9	318.6
135°	302.9	313.0	330.3	340.9	347.3	349.7	347.3	340.9	330.3	313.0	302.9
137.5°	288.0	297.0	311.9	322.9	328.2	330.3	328.2	322.9	311.9	297.0	288.0
140°	273.5	281.1	294.6	304.5	310.1	309.8	310.1	304.5	294.6	281.1	273.5
142.5°	260.2	266.6	277.6	286.1	291.0	290.7	291.0	286.1	277.6	266.6	260.2
145°	248.4	253.5	262.4	269.8	272.6	273.4	272.6	269.8	262.4	253.5	248.4
147.5°	239.2	242.9	250.0	255.3	258.1	258.5	258.1	255.3	250.0	242.9	239.2
150°	231.1	234.5	239.8	243.6	245.8	245.8	245.8	243.6	239.8	234.5	231.1
152.5°	224.0	226.7	230.6	234.1	235.2	235.2	235.2	234.1	230.6	226.7	224.0
155°	217.5	219.6	222.8	225.6	226.3	226.7	226.3	225.6	222.8	219.6	217.5
157.5°	211.1	212.9	215.7	217.8	218.5	218.5	218.5	217.8	215.7	212.9	211.1
160°	205.2	206.5	209.0	211.1	211.1	210.8	211.1	211.1	209.0	206.5	205.2
162.5°	199.8	200.9	202.3	204.0	204.0	203.7	204.0	204.0	202.3	200.9	199.8
165°	194.3	195.2	196.6	198.0	197.7	197.7	197.7	198.0	196.6	195.2	194.3
167.5°	189.5	190.2	191.0	192.0	191.7	191.7	191.7	192.0	191.0	190.2	189.5
170°	185.3	185.7	186.0	186.7	186.4	186.4	186.4	186.7	186.0	185.7	185.3
172.5°	181.6	181.8	181.8	182.5	181.8	181.4	181.8	182.5	181.8	181.8	181.6
175°	178.2	178.2	178.2	178.6	178.2	177.9	178.2	178.6	178.2	178.2	178.2
177.5°	176.1	176.1	175.8	176.1	175.4	175.4	175.4	176.1	175.8	176.1	176.1
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1	1080.1
2.5°	1025.7	1027.8	1028.8	1024.7	1021.5	1026.7	1034.1	1039.3	1043.5	1048.7	1051.9
5°	965.0	972.3	972.3	974.4	977.6	982.8	996.4	1005.8	1014.2	1020.5	1025.7
7.5°	913.7	918.9	922.1	927.3	932.6	939.9	955.6	969.2	981.7	989.1	997.4
10°	867.7	871.8	877.1	880.2	889.6	900.1	920.0	931.5	946.2	957.7	968.1
12.5°	823.7	838.4	841.5	840.4	848.8	860.3	880.2	898.0	913.7	925.2	936.7
15°	792.3	797.5	803.8	802.8	820.6	823.7	840.4	861.4	882.3	889.6	900.1
17.5°	757.8	766.1	772.4	775.6	780.8	792.3	808.0	823.7	850.9	852.0	879.2
20°	730.6	738.9	743.1	747.3	750.4	764.0	777.7	795.4	817.4	828.9	843.6
22.5°	712.8	716.9	720.1	723.2	727.4	734.7	751.5	771.4	786.0	798.6	808.0
25°	691.8	696.0	700.2	702.3	705.4	709.6	722.2	737.9	758.8	767.2	776.6
27.5°	677.2	677.2	679.3	679.3	683.5	687.6	697.1	711.7	728.5	738.9	751.5
30°	661.5	660.4	661.5	660.4	659.4	665.7	674.0	686.6	698.1	710.7	719.0
32.5°	645.8	644.7	644.7	645.8	641.6	644.7	648.9	660.4	673.0	679.3	688.7
35°	629.0	626.9	626.9	626.9	624.8	622.7	626.9	637.4	645.8	654.1	661.5
37.5°	612.3	609.1	609.1	607.0	605.0	601.8	601.8	610.2	621.7	624.8	634.3
40°	589.3	589.3	587.2	586.1	584.0	581.9	578.8	586.1	596.6	599.7	607.0
42.5°	566.2	563.1	562.0	562.0	562.0	558.9	556.8	562.0	568.3	573.6	577.7
45°	540.1	538.0	539.0	538.0	535.9	534.8	533.8	535.9	543.2	545.3	550.5
47.5°	511.8	510.8	510.8	509.7	508.7	509.7	505.5	510.8	512.9	514.9	519.1
50°	482.5	481.5	480.4	479.4	479.4	480.4	479.4	479.4	483.5	485.6	489.8
52.5°	453.2	450.1	450.1	449.0	449.0	446.9	449.0	450.1	452.1	454.2	456.3
55°	421.8	421.8	418.7	418.7	416.6	416.6	417.6	416.6	420.7	422.8	422.8
57.5°	391.4	387.3	388.3	386.2	384.1	383.1	383.1	385.2	387.3	387.3	389.3
60°	359.0	354.8	353.8	349.6	351.7	348.5	349.6	349.6	353.8	351.7	353.8
62.5°	326.6	321.3	318.2	316.1	316.1	317.1	315.0	314.0	316.1	318.2	322.4
65°	292.0	288.9	285.7	282.6	282.6	281.5	283.6	280.5	279.5	280.5	282.6
67.5°	256.4	253.3	250.1	247.0	248.1	244.9	242.8	246.0	243.9	244.9	247.0
70°	221.9	219.8	213.5	211.4	210.4	211.4	210.4	208.3	211.4	210.4	211.4
72.5°	187.3	185.3	182.1	176.9	176.9	175.8	174.8	174.8	173.7	173.7	173.7
75°	153.9	149.7	146.5	145.5	143.4	142.3	141.3	139.2	140.2	141.3	139.2
77.5°	119.3	114.1	113.0	113.0	109.9	109.9	110.9	109.9	108.9	108.9	108.9
80°	87.9	83.7	83.7	81.6	79.5	79.5	79.5	79.5	78.5	77.5	78.5
82.5°	56.5	55.5	54.4	54.4	56.5	52.3	54.4	53.4	52.3	52.3	51.3
85°	31.4	32.4	31.4	32.4	30.4	31.4	31.4	31.4	30.4	31.4	29.3
87.5°	11.5	11.5	11.5	12.6	12.6	12.6	12.6	12.6	13.6	12.6	12.6
90°	9.5	9.2	8.8	8.5	8.8	7.8	6.7	5.7	4.6	4.2	3.9
92.5°	23.7	27.2	35.0	49.2	65.8	72.8	54.5	35.7	24.4	21.2	18.0
95°	67.5	86.3	127.3	170.1	209.7	186.7	128.7	76.0	46.0	39.1	32.2
97.5°	174.0	220.7	292.4	333.5	322.5	240.8	143.2	82.0	52.3	44.7	37.1
100°	346.9	388.3	416.9	404.5	334.9	226.3	133.3	81.0	56.2	49.3	42.4
102.5°	444.5	464.3	458.3	408.1	311.9	205.1	124.8	82.4	60.8	54.6	48.4
105°	501.8	495.1	459.7	385.8	284.3	188.5	121.6	85.2	66.1	60.6	55.2
107.5°	521.6	494.0	438.5	354.0	259.9	176.5	120.9	89.8	72.8	67.7	62.6
110°	514.9	470.3	405.3	324.3	239.8	170.1	122.7	95.8	79.9	75.0	70.0

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	490.5	439.2	372.4	298.5	226.3	166.6	126.2	101.8	87.3	82.6	77.8
115°	457.6	405.6	344.1	278.7	217.5	166.2	130.1	108.6	95.1	90.4	85.6
117.5°	424.3	376.6	322.2	265.6	211.5	166.6	135.1	115.6	102.2	97.8	93.4
120°	395.7	353.3	305.5	255.7	207.6	168.0	140.7	122.4	109.6	105.2	100.8
122.5°	373.1	334.5	292.4	247.5	205.1	170.4	146.0	129.4	117.0	112.2	107.5
125°	353.6	319.7	281.1	240.8	203.0	172.9	151.7	136.1	123.8	119.0	114.2
127.5°	337.0	305.9	270.9	234.5	201.9	175.8	156.3	142.2	130.1	125.4	120.6
130°	321.8	293.2	261.3	229.5	200.9	178.6	160.9	147.5	135.8	131.0	126.2
132.5°	307.3	281.1	252.5	224.9	200.5	180.7	165.1	152.1	140.7	136.1	131.5
135°	292.8	269.8	244.7	221.0	200.2	182.8	168.7	156.7	145.7	140.9	136.1
137.5°	279.0	258.5	237.3	217.5	199.4	184.2	171.5	159.8	149.2	144.8	140.4
140°	265.9	249.0	230.9	214.3	199.1	185.7	173.6	163.0	152.8	148.4	143.9
142.5°	253.9	239.8	224.9	211.5	198.4	186.7	175.8	165.5	155.6	151.6	147.5
145°	243.3	232.0	220.3	209.0	197.7	187.1	177.2	167.6	158.4	154.4	150.3
147.5°	235.5	226.0	216.4	206.5	196.6	187.1	178.2	169.4	160.9	157.4	153.8
150°	227.7	220.3	212.2	204.0	195.2	187.1	178.6	171.2	163.0	159.8	156.7
152.5°	221.4	215.0	208.3	201.2	193.4	186.0	179.3	172.2	165.5	162.5	159.5
155°	215.4	210.1	204.4	198.4	191.3	185.3	179.3	173.6	167.6	165.1	162.7
157.5°	209.3	205.1	200.2	195.2	189.5	184.2	179.6	174.3	169.4	167.4	165.5
160°	204.0	200.5	196.6	192.0	187.4	183.5	179.6	175.4	171.2	169.4	167.6
162.5°	198.7	195.6	192.4	188.8	185.3	182.1	179.3	175.8	172.2	170.8	169.4
165°	193.4	191.0	188.8	186.0	183.2	180.7	178.6	176.1	173.3	172.0	170.8
167.5°	188.8	187.4	185.7	183.2	181.1	179.3	178.2	176.1	174.0	173.1	172.2
170°	184.9	183.5	182.5	180.7	178.9	177.9	177.2	175.8	174.0	173.6	173.3
172.5°	181.4	180.3	179.6	178.2	177.2	176.8	176.8	175.8	174.3	174.2	174.0
175°	178.2	177.5	177.2	176.5	175.8	175.8	176.1	175.4	174.7	174.5	174.3
177.5°	176.1	175.8	175.4	175.0	174.7	175.0	175.8	175.0	174.7	174.7	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1080.1	1080.1	1080.1	1080.1
2.5°	1057.1	1060.2	1070.7	1083.3
5°	1036.2	1044.5	1059.2	1079.1
7.5°	1013.1	1025.7	1046.6	1071.8
10°	987.0	1004.8	1030.9	1062.3
12.5°	958.7	981.7	1015.2	1047.7
15°	940.9	964.0	994.3	1029.9
17.5°	906.4	933.6	965.0	1015.2
20°	870.8	901.2	942.0	992.2
22.5°	843.6	876.0	914.8	968.1
25°	811.1	844.6	886.5	942.0
27.5°	776.6	810.1	857.2	915.8
30°	750.4	782.9	827.9	890.7
32.5°	719.0	750.4	797.5	863.5
35°	683.5	719.0	764.0	831.0
37.5°	656.2	688.7	735.8	799.6
40°	626.9	655.2	701.2	764.0
42.5°	595.5	626.9	666.7	729.5
45°	566.2	589.3	630.1	689.7
47.5°	534.8	561.0	592.4	638.4
50°	501.3	523.3	557.9	589.3
52.5°	468.9	486.7	516.0	540.1
55°	434.4	452.1	474.1	488.8
57.5°	401.9	414.5	429.1	438.5
60°	362.1	374.7	384.1	393.5
62.5°	326.6	336.0	341.2	346.4
65°	289.9	295.2	298.3	302.5
67.5°	250.1	255.4	256.4	262.7
70°	213.5	214.6	216.7	219.8
72.5°	179.0	181.1	180.0	182.1
75°	143.4	145.5	143.4	145.5
77.5°	108.9	110.9	110.9	114.1
80°	78.5	79.5	80.6	80.6
82.5°	51.3	54.4	52.3	53.4
85°	29.3	30.4	30.4	31.4
87.5°	13.6	14.7	13.6	15.7
90°	3.2	2.1	1.4	0.7
92.5°	14.5	11.3	7.8	5.3
95°	23.0	17.0	13.1	12.0
97.5°	27.9	22.6	19.4	19.1
100°	33.9	29.0	26.5	26.2
102.5°	41.0	36.4	34.3	33.6
105°	48.4	44.2	42.1	41.0
107.5°	56.2	52.0	49.9	48.8
110°	64.0	60.1	58.3	57.3

TEST NUMBER: P1012014

CATALOG NUMBER: S123DIP-B775D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	71.8	67.9	66.1	65.1
115°	79.6	76.0	73.9	72.5
117.5°	86.6	83.5	81.7	79.9
120°	94.1	90.5	88.8	87.7
122.5°	101.1	97.2	95.5	94.4
125°	107.5	103.6	101.5	100.8
127.5°	113.2	109.3	106.8	105.7
130°	118.8	114.6	111.4	110.3
132.5°	124.1	118.8	115.3	113.9
135°	128.7	123.4	119.5	118.1
137.5°	133.0	127.3	123.4	122.0
140°	136.9	131.2	127.7	125.9
142.5°	140.4	135.4	131.5	130.1
145°	144.3	139.0	135.8	134.7
147.5°	147.8	143.2	140.0	139.3
150°	151.7	147.1	144.3	143.9
152.5°	155.2	151.4	148.5	148.5
155°	158.8	155.2	153.1	153.1
157.5°	162.0	158.8	157.0	156.7
160°	165.1	162.3	160.9	160.9
162.5°	167.3	165.1	164.1	164.1
165°	169.4	167.6	166.9	167.3
167.5°	171.2	169.7	169.4	169.7
170°	172.6	171.5	171.2	171.9
172.5°	173.6	172.9	172.9	173.3
175°	174.3	173.6	174.0	174.3
177.5°	174.7	174.3	174.7	175.0
180°	174.7	174.7	174.7	174.7

(END OF REPORT)