

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: P1025652

Luminaire Tested: S124DIP-B575D590UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1025652
REPORT IS A COMBINATION OF REPORTS P996252 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIP-B575D590UB50-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

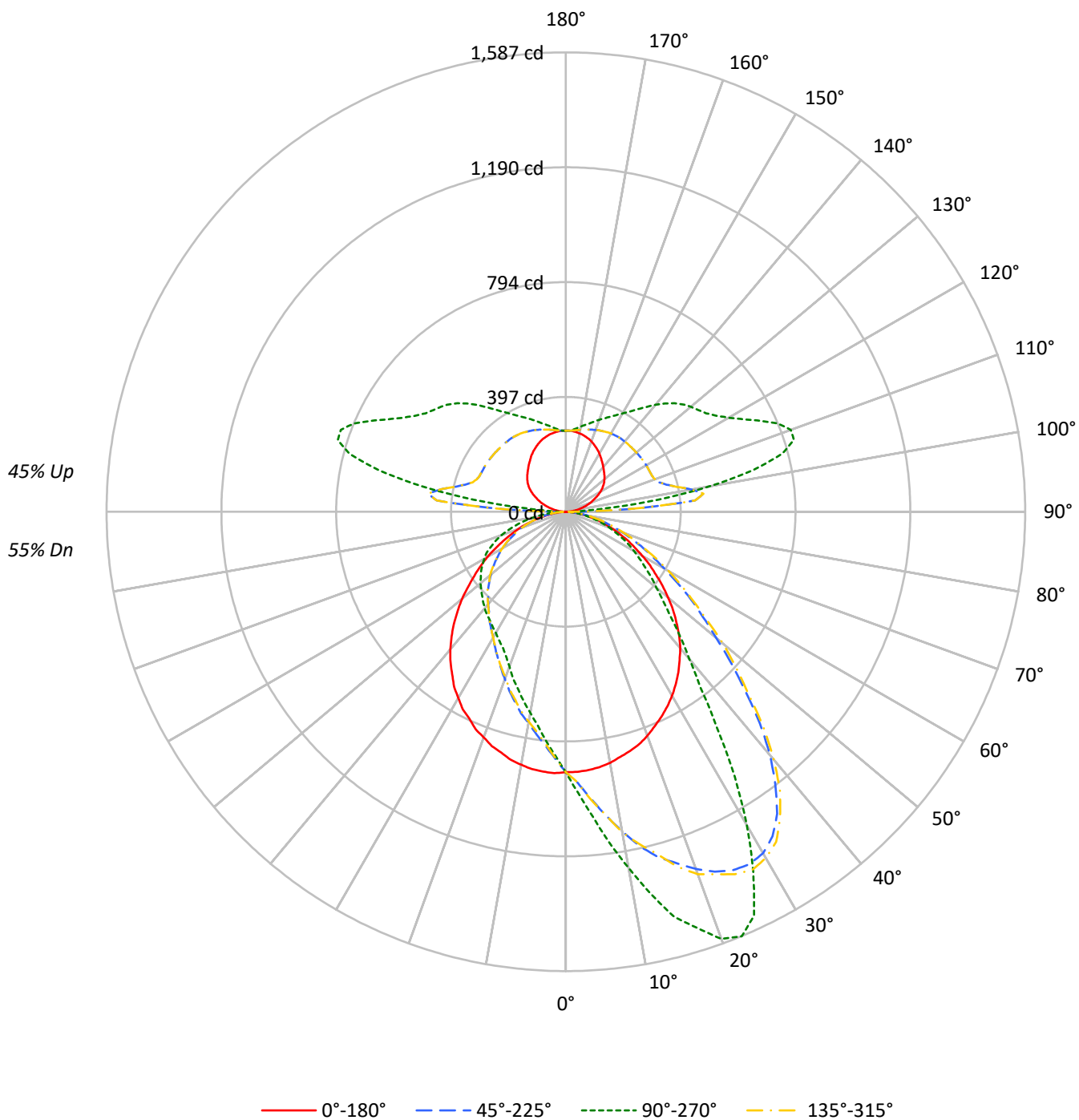
Lumens per Lamp: N/A
Luminaire Lumens: 4521.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7335	7335	7335	7335
5°	7316	8414	7359	6323
10°	7261	9817	7316	5547
15°	7174	11317	7225	4964
20°	7082	12272	7132	4450
25°	6946	12131	7012	4071
30°	6813	10027	6897	3876
35°	6627	7472	6700	3758
40°	6410	5629	6473	3699
45°	6079	4518	6154	3621
50°	5683	3806	5765	3584
55°	5218	3313	5299	3542
60°	4765	2917	4904	3483
65°	4340	2510	4381	3338
70°	3840	2065	3924	3073
75°	3352	1586	3328	2611
80°	2636	1043	2603	1983
85°	1732	470	1630	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.9
10°-20°	270.2	6.0
20°-30°	429.2	9.5
30°-40°	477.0	10.5
40°-50°	433.7	9.6
50°-60°	354.5	7.8
60°-70°	253.0	5.6
70°-80°	139.2	3.1
80°-90°	38.7	0.9
90°-100°	202.8	4.5
100°-110°	423.4	9.4
110°-120°	376.4	8.3
120°-130°	316.8	7.0
130°-140°	264.3	5.8
140°-150°	201.8	4.5
150°-160°	141.9	3.1
160°-170°	83.4	1.8
170°-180°	27.1	0.6
0°-30°	787.0	17.4
0°-40°	1263.9	28.0
0°-60°	2052.1	45.4
0°-90°	2483.1	54.9
90°-120°	1002.5	22.2
90°-150°	1785.4	39.5
90°-180°	2038.0	45.1
0°-180°	4521.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	900	900	900	900	900	
5°	896	1055	901	793	896	85
15°	856	1449	862	636	856	241
25°	781	1539	788	516	781	360
35°	677	910	685	458	677	423
45°	540	510	547	409	540	417
55°	380	334	386	357	380	342
65°	237	215	239	285	237	234
75°	116	107	116	177	116	122
85°	24	22	22	55	24	28
90°	0	12	0	12	0	3
95°	18	134	18	134	18	20
105°	64	774	64	774	64	69
115°	113	743	113	743	113	112
125°	158	593	158	593	158	141
135°	188	530	188	530	188	145
145°	216	433	216	433	216	136
155°	246	362	246	362	246	113
165°	268	316	268	316	268	76
175°	279	285	279	285	279	27
180°	280	280	280	280	280	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	899.5	908.4	912.1	915.1	924.8	927.8	928.5	933.0	936.7	937.5	937.5
5°	895.7	909.9	921.1	931.5	947.2	953.9	962.1	971.0	982.9	990.4	994.1
7.5°	889.8	910.6	927.8	945.7	967.3	980.7	988.1	1012.0	1028.4	1041.8	1058.2
10°	880.8	907.7	932.3	958.3	988.9	1005.3	1021.7	1050.7	1073.8	1099.9	1120.8
12.5°	867.4	902.4	932.3	968.8	1006.8	1026.1	1045.5	1096.2	1123.0	1146.1	1183.4
15°	855.5	890.5	933.0	970.3	1017.2	1046.3	1074.6	1107.4	1149.9	1199.8	1235.5
17.5°	842.1	886.0	925.5	977.7	1029.9	1057.4	1080.5	1131.2	1190.8	1240.0	1272.8
20°	823.5	868.2	920.3	975.5	1037.3	1058.9	1089.5	1157.3	1211.0	1259.4	1313.1
22.5°	801.8	854.0	909.1	962.1	1026.1	1071.6	1105.1	1164.8	1229.6	1285.5	1345.8
25°	781.0	837.6	886.0	958.3	1026.1	1056.7	1094.7	1165.5	1236.3	1304.1	1366.0
27.5°	758.6	811.5	877.1	934.5	1011.2	1044.8	1085.8	1163.3	1238.5	1306.3	1372.7
30°	734.0	790.7	845.1	912.9	987.4	1030.6	1068.6	1152.8	1229.6	1300.4	1362.2
32.5°	706.5	760.1	818.2	882.3	960.6	1004.5	1052.2	1138.7	1220.6	1281.8	1329.4
35°	677.4	731.8	782.5	848.0	928.5	972.5	1018.7	1114.1	1195.3	1245.2	1272.8
37.5°	645.3	696.8	746.7	811.5	892.0	939.0	985.9	1078.3	1155.1	1196.8	1189.3
40°	614.8	661.0	707.2	768.3	852.5	902.4	943.4	1036.6	1103.6	1121.5	1096.9
42.5°	579.8	619.3	664.0	726.6	808.5	855.5	906.9	991.9	1041.8	1034.3	992.6
45°	540.3	575.3	620.0	678.9	762.3	810.8	854.0	934.5	971.0	952.4	876.4
47.5°	502.3	536.5	573.1	631.9	713.2	754.1	798.1	870.4	891.3	851.8	775.8
50°	461.3	489.6	527.6	583.5	659.5	702.7	739.2	797.4	804.8	756.4	677.4
52.5°	421.8	445.6	482.1	537.3	608.1	642.4	678.1	729.6	723.6	673.7	597.7
55°	380.1	402.4	435.9	486.6	549.2	582.0	612.6	658.0	645.3	593.9	527.6
57.5°	345.0	360.7	393.5	440.4	491.8	527.6	553.7	589.5	570.1	518.7	456.8
60°	304.8	324.2	351.7	389.7	440.4	464.3	487.4	511.2	497.8	448.6	393.5
62.5°	268.3	283.2	307.0	343.5	383.0	404.6	429.2	444.1	430.7	385.3	339.1
65°	237.0	248.9	267.5	297.3	335.3	353.2	367.4	381.5	370.4	327.9	294.4
67.5°	202.7	213.1	228.8	252.6	284.7	297.3	310.8	320.4	307.8	279.5	246.7
70°	172.1	179.6	194.5	212.4	234.7	246.7	257.8	267.5	256.4	232.5	207.9
72.5°	140.8	146.8	160.2	172.9	193.0	201.2	209.4	216.9	213.1	190.8	170.7
75°	116.3	118.5	127.4	137.9	150.5	159.5	165.4	169.9	166.9	149.0	136.4
77.5°	87.9	90.9	97.6	105.8	117.0	122.2	125.9	130.4	126.7	112.5	103.6
80°	64.1	64.8	68.6	76.0	83.5	84.2	87.9	93.9	91.7	82.0	75.3
82.5°	41.0	43.2	44.7	49.2	54.4	55.9	58.1	59.6	58.9	52.9	50.7
85°	23.8	23.8	25.3	28.3	29.8	32.0	32.8	33.5	35.0	31.3	29.1
87.5°	10.4	11.2	11.2	11.9	13.4	13.4	14.2	14.9	15.6	14.9	12.7
90°	0.5	1.6	3.3	3.8	4.4	4.4	4.4	7.7	7.7	8.8	9.9
92.5°	7.7	11.0	17.0	25.3	35.2	42.4	49.5	83.6	136.9	188.6	215.5
95°	18.1	19.8	25.3	32.4	45.6	57.2	68.7	116.5	206.7	338.1	448.0
97.5°	30.2	30.2	35.2	41.8	53.3	63.2	73.1	111.0	188.6	323.8	479.4
100°	41.8	41.8	45.6	52.2	62.7	71.5	80.3	112.7	174.8	287.0	442.0
102.5°	52.8	53.9	57.2	63.2	73.1	81.4	89.6	118.2	171.0	262.2	395.2
105°	64.3	66.0	68.7	75.3	85.2	93.2	101.1	127.5	173.2	250.1	360.6
107.5°	77.0	78.1	80.8	88.0	97.3	105.2	113.2	137.4	179.8	246.8	338.1
110°	89.6	90.7	93.5	100.0	109.9	117.4	124.8	149.0	187.5	247.9	327.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.7	102.8	106.1	112.1	122.0	129.4	136.9	160.0	195.7	251.2	322.7
115°	113.2	114.9	118.7	124.2	134.7	142.1	149.5	171.5	204.5	255.6	321.6
117.5°	125.3	127.0	130.3	136.3	146.2	153.9	161.6	182.5	213.3	260.0	321.0
120°	137.4	138.5	142.4	148.4	157.8	165.5	173.2	194.1	222.6	265.0	321.0
122.5°	148.4	149.5	153.4	158.9	169.3	176.8	184.2	205.0	231.4	269.9	320.5
125°	157.8	160.0	163.3	169.3	179.8	187.4	195.1	214.9	240.2	274.9	319.9
127.5°	166.6	168.2	172.1	178.7	189.7	197.4	205.0	224.3	247.9	278.7	318.8
130°	173.7	175.9	180.3	188.6	199.0	207.0	214.9	233.6	255.1	283.1	318.3
132.5°	180.9	182.5	188.6	196.2	207.8	215.2	222.6	241.3	262.2	287.0	317.7
135°	187.5	189.7	195.1	204.5	216.0	223.2	230.3	248.5	268.3	290.8	317.2
137.5°	194.1	196.2	202.3	211.1	223.2	230.0	236.9	254.0	272.7	293.0	317.2
140°	201.2	202.8	208.9	218.2	229.8	236.4	243.0	259.5	277.1	295.7	316.6
142.5°	208.9	210.5	216.0	224.8	235.8	242.2	248.5	264.4	280.4	297.9	316.6
145°	216.0	217.7	223.2	230.9	241.3	247.4	253.4	267.7	282.6	298.5	315.5
147.5°	224.3	224.8	229.8	238.0	246.8	252.3	257.8	271.6	284.8	299.0	313.9
150°	232.0	232.5	236.9	243.5	251.8	257.0	262.2	274.3	286.4	299.0	312.2
152.5°	239.1	239.1	243.5	249.6	256.7	261.4	266.1	276.5	287.5	297.9	309.5
155°	245.7	246.3	249.6	255.1	261.1	265.2	269.4	278.7	288.1	296.8	306.7
157.5°	252.3	252.3	255.6	260.0	265.5	268.8	272.1	280.4	288.1	295.7	304.0
160°	258.4	258.4	260.6	264.4	268.8	271.8	274.9	281.5	288.1	294.1	300.7
162.5°	263.9	263.3	265.0	268.3	272.1	274.3	276.5	282.6	288.1	292.4	297.4
165°	267.7	267.7	268.8	271.6	274.3	276.0	277.6	282.6	287.0	290.3	294.1
167.5°	272.1	271.6	272.1	274.3	276.0	277.4	278.7	282.6	285.9	288.1	290.8
170°	274.9	274.3	274.9	276.5	277.6	278.5	279.3	282.0	284.8	285.9	287.5
172.5°	277.6	277.1	277.1	278.2	278.7	279.2	279.8	281.5	283.7	283.7	284.2
175°	279.3	278.7	278.7	279.3	279.8	279.8	279.8	280.9	282.6	282.0	282.0
177.5°	280.4	279.8	279.3	279.8	279.8	279.8	279.8	280.4	281.5	280.4	280.4
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	939.7	953.1	959.1	960.6	968.8	963.5	965.8	965.0	971.0	971.7	971.7
5°	1008.3	1023.9	1029.1	1036.6	1047.8	1050.7	1048.5	1053.0	1061.2	1055.2	1064.2
7.5°	1080.5	1097.7	1109.6	1126.0	1129.7	1139.4	1145.4	1150.6	1152.1	1152.8	1154.3
10°	1147.6	1169.2	1185.6	1213.2	1219.2	1224.4	1250.5	1240.0	1253.4	1249.0	1250.5
12.5°	1202.0	1244.5	1257.9	1304.1	1308.6	1326.5	1325.0	1341.4	1344.3	1350.3	1344.3
15°	1273.6	1322.7	1344.3	1370.4	1385.3	1406.2	1409.9	1432.3	1441.2	1449.4	1441.2
17.5°	1339.1	1365.2	1420.4	1441.2	1450.9	1462.1	1490.4	1498.6	1512.0	1506.8	1521.7
20°	1371.9	1409.2	1467.3	1503.1	1518.0	1528.4	1552.3	1564.9	1570.1	1570.1	1571.6
22.5°	1401.0	1454.6	1497.9	1538.8	1552.3	1559.7	1573.9	1583.6	1585.8	1587.3	1588.8
25°	1427.1	1475.5	1510.5	1533.6	1538.8	1538.8	1547.0	1541.1	1531.4	1538.8	1543.3
27.5°	1427.1	1461.3	1477.0	1485.2	1485.2	1465.1	1453.1	1428.6	1407.7	1401.7	1415.1
30°	1403.2	1418.9	1397.3	1377.1	1361.5	1348.1	1301.1	1263.9	1256.4	1251.2	1271.3
32.5°	1348.1	1328.0	1285.5	1227.4	1204.3	1173.7	1137.2	1108.9	1091.7	1085.8	1081.3
35°	1250.5	1198.3	1143.1	1064.9	1048.5	1009.8	959.8	939.0	910.6	909.9	919.6
37.5°	1143.9	1063.4	1003.8	929.3	906.2	865.2	818.2	796.6	777.2	762.3	780.2
40°	1019.4	949.4	858.5	797.4	764.6	743.0	703.5	679.6	670.7	663.2	674.4
42.5°	903.2	826.4	755.6	693.0	666.2	641.6	615.5	592.4	585.7	585.0	593.2
45°	787.7	712.4	646.8	593.2	576.0	561.1	535.8	529.1	517.9	510.5	514.2
47.5°	695.3	617.8	563.4	522.4	507.5	494.8	478.4	467.2	457.6	454.6	459.0
50°	604.4	552.2	496.3	462.0	450.8	438.9	426.3	415.8	411.4	408.4	411.4
52.5°	531.3	475.4	437.4	409.9	398.7	389.7	380.8	376.3	370.4	371.9	374.8
55°	465.8	416.6	384.5	364.4	357.7	354.0	342.8	337.6	335.3	333.9	335.3
57.5°	403.9	368.1	344.3	327.1	318.2	316.0	307.0	307.0	304.8	302.6	303.3
60°	354.7	324.2	301.1	287.6	286.2	282.4	276.5	275.7	270.5	272.7	273.5
62.5°	304.8	280.2	264.5	256.4	251.1	249.6	245.9	245.2	242.9	243.7	242.2
65°	265.3	245.2	229.5	222.8	220.6	219.8	216.9	214.6	213.1	214.6	213.1
67.5°	225.8	212.4	200.5	193.8	190.8	190.0	187.8	186.3	187.0	184.8	186.3
70°	188.5	175.1	167.7	163.9	162.5	160.2	160.2	160.2	160.2	158.7	158.0
72.5°	158.7	145.3	140.1	137.9	136.4	135.6	133.4	134.1	133.4	132.6	135.6
75°	125.9	117.7	112.5	110.3	111.8	109.5	107.3	108.8	106.6	107.3	110.3
77.5°	95.4	91.7	88.7	87.2	85.7	84.2	84.2	82.7	82.7	82.7	82.7
80°	69.3	68.6	63.3	62.6	62.6	61.1	61.1	61.1	61.1	60.4	61.1
82.5°	46.2	45.5	44.0	43.2	41.7	42.5	42.5	41.0	41.0	40.2	41.0
85°	26.8	26.8	25.3	24.6	23.8	24.6	23.1	22.4	23.1	22.4	23.1
87.5°	12.7	11.2	11.9	11.2	9.7	10.4	8.9	9.7	8.9	8.2	9.7
90°	9.3	9.9	10.4	11.0	11.0	11.0	11.5	12.1	11.5	11.5	11.5
92.5°	179.2	132.5	98.9	78.1	71.2	64.3	56.1	52.2	50.0	50.0	50.0
95°	460.7	407.3	322.1	248.5	221.8	195.1	168.2	151.2	141.3	134.1	141.3
97.5°	577.8	586.5	544.2	483.8	453.0	422.2	384.8	351.8	335.3	322.1	335.3
100°	582.7	663.0	674.0	647.0	626.6	606.3	558.5	525.0	508.5	504.1	508.5
102.5°	541.5	659.1	724.5	741.0	735.5	730.0	705.3	683.3	665.7	662.4	665.7
105°	489.8	615.7	710.8	765.2	776.4	787.7	788.8	784.4	776.8	773.5	776.8
107.5°	447.5	562.4	665.2	741.0	764.1	787.2	811.4	821.3	825.7	826.2	825.7
110°	417.2	515.1	610.2	689.9	720.2	750.4	789.4	812.5	822.4	827.3	822.4

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	400.2	480.5	561.8	636.0	666.2	696.5	742.1	771.3	786.1	794.9	786.1
115°	390.8	459.6	527.2	591.5	617.9	644.3	687.7	720.7	738.3	742.7	738.3
117.5°	385.9	447.5	504.6	556.9	580.0	603.0	641.5	670.1	688.8	691.5	688.8
120°	382.1	439.8	490.9	534.9	554.4	573.9	605.2	629.4	643.7	649.8	643.7
122.5°	377.7	433.2	482.1	521.1	537.6	554.1	579.4	599.2	610.7	616.8	610.7
125°	372.7	425.5	472.8	510.7	525.8	540.9	562.9	578.9	589.3	592.6	589.3
127.5°	366.1	416.7	462.3	500.2	514.5	528.8	550.8	565.1	573.9	577.2	573.9
130°	360.1	405.7	449.1	486.5	501.0	515.6	538.2	551.9	560.7	564.0	560.7
132.5°	354.6	394.1	434.3	470.6	485.2	499.7	521.7	537.6	545.9	549.2	545.9
135°	349.1	383.7	419.4	453.0	466.8	480.5	502.4	517.8	526.6	529.9	526.6
137.5°	344.1	373.8	405.1	434.3	447.0	459.6	480.5	496.4	503.5	507.4	503.5
140°	340.3	365.6	391.4	416.1	427.6	439.2	458.5	470.6	478.3	482.7	478.3
142.5°	337.0	357.9	379.9	400.2	409.8	419.4	435.9	446.9	453.5	456.3	453.5
145°	333.1	350.7	369.4	385.9	393.6	401.3	415.0	424.4	429.9	432.6	429.9
147.5°	329.8	344.7	360.1	373.8	380.2	386.5	396.9	405.1	409.5	410.6	409.5
150°	326.0	339.2	351.8	362.8	367.8	372.7	381.5	388.7	391.9	392.5	391.9
152.5°	321.6	333.1	343.6	353.5	357.4	361.2	368.3	373.8	375.5	376.0	375.5
155°	317.2	327.1	335.9	344.1	347.4	350.7	356.2	360.6	362.3	362.3	362.3
157.5°	312.8	320.5	328.2	335.3	338.0	340.8	345.2	348.5	349.6	349.6	349.6
160°	307.8	314.4	320.5	326.5	328.7	330.9	334.2	337.5	338.1	338.1	338.1
162.5°	303.4	308.4	313.3	317.7	319.6	321.6	323.8	327.1	327.6	327.1	327.6
165°	298.5	302.9	306.2	310.0	311.4	312.8	315.0	317.2	316.6	316.1	316.6
167.5°	294.1	297.4	300.1	303.4	304.2	305.1	306.2	307.8	307.8	307.3	307.8
170°	289.7	292.4	294.1	296.3	297.1	297.9	299.0	299.6	299.0	299.0	299.0
172.5°	285.9	288.1	289.2	290.3	290.8	291.4	291.9	292.4	291.9	290.8	291.9
175°	283.1	284.2	284.8	285.9	285.9	285.9	285.9	287.0	285.9	284.8	285.9
177.5°	280.9	281.5	282.0	282.0	282.3	282.6	282.0	282.6	281.5	280.4	281.5
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	970.3	968.0	965.0	965.0	961.3	961.3	955.4	944.9	936.0	933.0	934.5
5°	1053.0	1053.7	1049.2	1045.5	1038.8	1033.6	1023.9	1005.3	999.3	987.4	979.2
7.5°	1147.6	1144.6	1136.4	1130.5	1129.0	1117.1	1096.2	1073.8	1056.0	1044.0	1026.9
10°	1254.2	1242.3	1230.3	1226.6	1217.7	1197.5	1173.7	1149.1	1124.5	1098.4	1069.4
12.5°	1343.6	1320.5	1319.8	1310.8	1293.7	1282.5	1254.2	1219.2	1176.7	1147.6	1114.8
15°	1439.7	1418.1	1400.2	1383.8	1375.6	1342.9	1319.0	1275.0	1224.4	1193.1	1170.7
17.5°	1508.3	1498.6	1468.1	1460.6	1449.4	1411.4	1373.4	1330.2	1286.2	1242.3	1181.9
20°	1563.4	1557.5	1537.4	1526.9	1509.0	1479.2	1433.0	1383.1	1332.4	1269.8	1213.2
22.5°	1587.3	1579.8	1563.4	1554.5	1543.3	1518.0	1478.5	1421.9	1355.5	1299.6	1239.3
25°	1540.3	1553.8	1549.3	1545.6	1541.1	1526.2	1496.4	1446.4	1381.6	1318.3	1243.0
27.5°	1434.5	1457.6	1480.0	1483.0	1490.4	1496.4	1484.4	1448.7	1394.3	1327.2	1244.5
30°	1292.2	1302.6	1348.1	1361.5	1371.9	1409.9	1432.3	1423.3	1381.6	1321.2	1245.2
32.5°	1109.6	1137.2	1183.4	1215.4	1243.7	1286.2	1344.3	1367.5	1352.5	1303.4	1228.1
35°	936.7	969.5	1023.2	1064.2	1092.5	1152.8	1221.4	1271.3	1289.9	1265.4	1198.3
37.5°	795.1	834.6	882.3	898.0	930.8	1005.3	1099.9	1169.2	1214.7	1216.9	1164.8
40°	688.6	708.7	746.7	770.5	802.6	865.2	957.6	1049.2	1117.8	1140.9	1113.3
42.5°	598.4	614.0	642.4	671.4	700.5	748.2	833.1	918.8	1011.2	1057.4	1056.7
45°	526.9	543.3	562.6	586.5	606.6	658.0	725.1	813.0	892.8	964.3	982.2
47.5°	464.3	478.4	502.3	512.7	526.1	574.6	632.7	714.7	797.4	879.3	900.2
50°	418.1	430.0	446.4	453.1	468.0	503.8	551.5	617.8	709.4	784.7	823.5
52.5°	376.3	385.3	397.9	403.2	413.6	440.4	483.6	535.8	611.8	689.3	743.7
55°	340.6	346.5	355.5	361.4	368.9	392.7	424.8	471.7	537.3	604.4	657.3
57.5°	307.0	311.5	320.4	323.4	329.4	348.0	370.4	409.9	470.2	529.8	581.3
60°	275.7	278.7	283.9	290.6	295.1	307.8	328.6	361.4	409.9	464.3	506.0
62.5°	245.9	250.4	251.9	254.9	258.6	270.5	286.9	310.8	353.2	397.9	441.9
65°	215.4	219.1	222.1	222.8	226.5	235.5	250.4	271.3	298.8	337.6	378.6
67.5°	187.0	189.3	190.8	193.8	197.5	202.0	213.9	229.5	254.9	286.2	318.9
70°	161.0	161.0	163.2	163.9	168.4	173.6	178.8	193.8	216.1	241.4	263.8
72.5°	132.6	136.4	135.6	139.4	138.6	142.3	149.0	158.7	175.1	195.2	216.9
75°	108.1	110.3	110.3	110.3	111.8	114.8	118.5	127.4	140.1	156.5	169.2
77.5°	84.2	85.7	85.7	85.7	86.4	89.4	93.2	99.1	108.1	117.7	125.2
80°	60.4	61.9	61.9	63.3	63.3	64.1	67.8	70.8	75.3	82.7	90.2
82.5°	41.0	41.7	43.2	43.2	42.5	44.0	44.7	47.7	52.2	53.7	58.9
85°	22.4	23.1	23.8	23.8	24.6	26.1	25.3	28.3	28.3	31.3	32.8
87.5°	8.9	10.4	10.4	9.7	10.4	10.4	10.4	11.9	12.7	13.4	12.7
90°	12.1	11.5	11.0	11.0	11.0	10.4	9.9	9.3	9.9	8.8	7.7
92.5°	52.2	56.1	64.3	71.2	78.1	98.9	132.5	179.2	215.5	188.6	136.9
95°	151.2	168.2	195.1	221.8	248.5	322.1	407.3	460.7	448.0	338.1	206.7
97.5°	351.8	384.8	422.2	453.0	483.8	544.2	586.5	577.8	479.4	323.8	188.6
100°	525.0	558.5	606.3	626.6	647.0	674.0	663.0	582.7	442.0	287.0	174.8
102.5°	683.3	705.3	730.0	735.5	741.0	724.5	659.1	541.5	395.2	262.2	171.0
105°	784.4	788.8	787.7	776.4	765.2	710.8	615.7	489.8	360.6	250.1	173.2
107.5°	821.3	811.4	787.2	764.1	741.0	665.2	562.4	447.5	338.1	246.8	179.8
110°	812.5	789.4	750.4	720.2	689.9	610.2	515.1	417.2	327.6	247.9	187.5

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	771.3	742.1	696.5	666.2	636.0	561.8	480.5	400.2	322.7	251.2	195.7
115°	720.7	687.7	644.3	617.9	591.5	527.2	459.6	390.8	321.6	255.6	204.5
117.5°	670.1	641.5	603.0	580.0	556.9	504.6	447.5	385.9	321.0	260.0	213.3
120°	629.4	605.2	573.9	554.4	534.9	490.9	439.8	382.1	321.0	265.0	222.6
122.5°	599.2	579.4	554.1	537.6	521.1	482.1	433.2	377.7	320.5	269.9	231.4
125°	578.9	562.9	540.9	525.8	510.7	472.8	425.5	372.7	319.9	274.9	240.2
127.5°	565.1	550.8	528.8	514.5	500.2	462.3	416.7	366.1	318.8	278.7	247.9
130°	551.9	538.2	515.6	501.0	486.5	449.1	405.7	360.1	318.3	283.1	255.1
132.5°	537.6	521.7	499.7	485.2	470.6	434.3	394.1	354.6	317.7	287.0	262.2
135°	517.8	502.4	480.5	466.8	453.0	419.4	383.7	349.1	317.2	290.8	268.3
137.5°	496.4	480.5	459.6	447.0	434.3	405.1	373.8	344.1	317.2	293.0	272.7
140°	470.6	458.5	439.2	427.6	416.1	391.4	365.6	340.3	316.6	295.7	277.1
142.5°	446.9	435.9	419.4	409.8	400.2	379.9	357.9	337.0	316.6	297.9	280.4
145°	424.4	415.0	401.3	393.6	385.9	369.4	350.7	333.1	315.5	298.5	282.6
147.5°	405.1	396.9	386.5	380.2	373.8	360.1	344.7	329.8	313.9	299.0	284.8
150°	388.7	381.5	372.7	367.8	362.8	351.8	339.2	326.0	312.2	299.0	286.4
152.5°	373.8	368.3	361.2	357.4	353.5	343.6	333.1	321.6	309.5	297.9	287.5
155°	360.6	356.2	350.7	347.4	344.1	335.9	327.1	317.2	306.7	296.8	288.1
157.5°	348.5	345.2	340.8	338.0	335.3	328.2	320.5	312.8	304.0	295.7	288.1
160°	337.5	334.2	330.9	328.7	326.5	320.5	314.4	307.8	300.7	294.1	288.1
162.5°	327.1	323.8	321.6	319.6	317.7	313.3	308.4	303.4	297.4	292.4	288.1
165°	317.2	315.0	312.8	311.4	310.0	306.2	302.9	298.5	294.1	290.3	287.0
167.5°	307.8	306.2	305.1	304.2	303.4	300.1	297.4	294.1	290.8	288.1	285.9
170°	299.6	299.0	297.9	297.1	296.3	294.1	292.4	289.7	287.5	285.9	284.8
172.5°	292.4	291.9	291.4	290.8	290.3	289.2	288.1	285.9	284.2	283.7	283.7
175°	287.0	285.9	285.9	285.9	285.9	284.8	284.2	283.1	282.0	282.0	282.6
177.5°	282.6	282.0	282.6	282.3	282.0	282.0	281.5	280.9	280.4	280.4	281.5
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	927.8	924.8	922.6	922.6	915.9	909.1	905.4	903.9	902.4	896.5	888.3
5°	965.8	956.1	949.4	942.7	931.5	919.6	907.7	901.0	891.3	877.9	868.2
7.5°	1008.3	985.2	977.7	969.5	947.2	927.0	910.6	896.5	880.8	863.7	846.6
10°	1044.0	1019.4	1003.0	988.9	959.8	933.0	908.4	887.5	867.4	845.1	824.2
12.5°	1078.3	1043.3	1026.1	1005.3	974.7	936.0	903.9	877.9	848.0	824.9	799.6
15°	1126.0	1067.1	1038.8	1025.4	984.4	939.0	900.2	861.5	836.9	801.8	779.5
17.5°	1133.5	1085.8	1067.1	1032.9	983.7	932.3	887.5	848.8	811.5	780.2	751.2
20°	1159.5	1096.9	1067.1	1045.5	980.7	928.5	879.3	829.4	793.6	760.1	727.3
22.5°	1175.9	1105.1	1073.8	1039.6	977.7	915.1	857.0	813.8	769.8	735.5	709.4
25°	1171.5	1100.7	1065.6	1033.6	958.3	895.7	843.6	788.4	747.4	710.2	675.9
27.5°	1169.2	1089.5	1052.2	1016.5	945.7	880.1	814.5	769.8	724.3	681.1	655.8
30°	1163.3	1075.3	1032.1	993.4	919.6	851.0	795.1	743.0	697.5	658.0	624.5
32.5°	1143.1	1051.5	1009.8	968.0	891.3	822.7	766.1	717.6	672.2	631.2	599.1
35°	1116.3	1023.2	977.7	933.7	857.0	787.7	735.5	684.8	642.4	602.9	572.3
37.5°	1089.5	990.4	947.9	897.2	826.4	754.1	700.5	655.0	615.5	574.6	541.0
40°	1050.7	951.6	904.7	861.5	778.7	710.9	661.7	620.8	582.0	543.3	514.9
42.5°	997.8	909.1	860.7	813.0	735.5	668.4	620.8	584.2	547.7	515.7	484.4
45°	944.2	857.7	814.5	772.0	687.8	624.5	580.5	547.0	516.4	481.4	456.1
47.5°	879.3	806.3	763.1	721.4	641.6	578.3	538.0	506.7	478.4	449.4	425.5
50°	813.0	749.7	710.2	667.0	590.9	533.6	494.1	468.0	444.9	417.3	397.9
52.5°	741.5	686.3	652.8	611.1	544.0	491.1	450.8	424.8	405.4	385.3	368.1
55°	665.5	625.2	589.5	555.9	492.6	444.9	409.1	386.0	372.6	354.0	339.1
57.5°	596.9	558.2	536.5	498.5	443.4	396.4	368.1	348.8	333.1	321.9	310.0
60°	525.4	494.1	470.2	442.7	394.2	354.7	324.9	313.7	297.3	289.1	283.9
62.5°	456.8	434.5	412.1	391.2	348.0	310.8	288.4	274.2	264.5	256.4	251.9
65°	392.0	371.1	355.5	336.8	301.1	271.3	250.4	239.2	229.5	227.3	222.1
67.5°	328.6	319.7	302.6	287.6	257.1	234.0	218.3	204.2	199.0	196.7	192.3
70°	275.0	264.5	251.1	238.5	215.4	195.2	181.1	175.9	168.4	167.7	162.5
72.5°	226.5	213.9	204.2	194.5	177.4	159.5	152.0	144.6	140.8	137.9	135.6
75°	179.6	170.7	163.9	155.7	140.8	128.9	118.5	115.5	113.3	112.5	111.0
77.5°	134.1	128.2	125.2	117.0	106.6	96.1	91.7	87.2	87.2	85.7	86.4
80°	95.4	91.7	87.9	83.5	74.5	70.0	66.3	63.3	61.9	61.1	61.9
82.5°	60.4	58.1	57.4	54.4	48.4	46.2	43.2	41.0	41.0	41.0	41.0
85°	33.5	33.5	33.5	29.1	26.8	24.6	23.1	22.4	22.4	22.4	23.1
87.5°	14.2	14.2	11.9	11.9	11.2	9.7	8.9	8.9	9.7	9.7	10.4
90°	7.7	4.4	4.4	4.4	3.8	3.3	1.6	0.5	1.6	3.3	3.8
92.5°	83.6	49.5	42.4	35.2	25.3	17.0	11.0	7.7	11.0	17.0	25.3
95°	116.5	68.7	57.2	45.6	32.4	25.3	19.8	18.1	19.8	25.3	32.4
97.5°	111.0	73.1	63.2	53.3	41.8	35.2	30.2	30.2	30.2	35.2	41.8
100°	112.7	80.3	71.5	62.7	52.2	45.6	41.8	41.8	41.8	45.6	52.2
102.5°	118.2	89.6	81.4	73.1	63.2	57.2	53.9	52.8	53.9	57.2	63.2
105°	127.5	101.1	93.2	85.2	75.3	68.7	66.0	64.3	66.0	68.7	75.3
107.5°	137.4	113.2	105.2	97.3	88.0	80.8	78.1	77.0	78.1	80.8	88.0
110°	149.0	124.8	117.4	109.9	100.0	93.5	90.7	89.6	90.7	93.5	100.0

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	160.0	136.9	129.4	122.0	112.1	106.1	102.8	101.7	102.8	106.1	112.1
115°	171.5	149.5	142.1	134.7	124.2	118.7	114.9	113.2	114.9	118.7	124.2
117.5°	182.5	161.6	153.9	146.2	136.3	130.3	127.0	125.3	127.0	130.3	136.3
120°	194.1	173.2	165.5	157.8	148.4	142.4	138.5	137.4	138.5	142.4	148.4
122.5°	205.0	184.2	176.8	169.3	158.9	153.4	149.5	148.4	149.5	153.4	158.9
125°	214.9	195.1	187.4	179.8	169.3	163.3	160.0	157.8	160.0	163.3	169.3
127.5°	224.3	205.0	197.4	189.7	178.7	172.1	168.2	166.6	168.2	172.1	178.7
130°	233.6	214.9	207.0	199.0	188.6	180.3	175.9	173.7	175.9	180.3	188.6
132.5°	241.3	222.6	215.2	207.8	196.2	188.6	182.5	180.9	182.5	188.6	196.2
135°	248.5	230.3	223.2	216.0	204.5	195.1	189.7	187.5	189.7	195.1	204.5
137.5°	254.0	236.9	230.0	223.2	211.1	202.3	196.2	194.1	196.2	202.3	211.1
140°	259.5	243.0	236.4	229.8	218.2	208.9	202.8	201.2	202.8	208.9	218.2
142.5°	264.4	248.5	242.2	235.8	224.8	216.0	210.5	208.9	210.5	216.0	224.8
145°	267.7	253.4	247.4	241.3	230.9	223.2	217.7	216.0	217.7	223.2	230.9
147.5°	271.6	257.8	252.3	246.8	238.0	229.8	224.8	224.3	224.8	229.8	238.0
150°	274.3	262.2	257.0	251.8	243.5	236.9	232.5	232.0	232.5	236.9	243.5
152.5°	276.5	266.1	261.4	256.7	249.6	243.5	239.1	239.1	239.1	243.5	249.6
155°	278.7	269.4	265.2	261.1	255.1	249.6	246.3	245.7	246.3	249.6	255.1
157.5°	280.4	272.1	268.8	265.5	260.0	255.6	252.3	252.3	252.3	255.6	260.0
160°	281.5	274.9	271.8	268.8	264.4	260.6	258.4	258.4	258.4	260.6	264.4
162.5°	282.6	276.5	274.3	272.1	268.3	265.0	263.3	263.9	263.3	265.0	268.3
165°	282.6	277.6	276.0	274.3	271.6	268.8	267.7	267.7	267.7	268.8	271.6
167.5°	282.6	278.7	277.4	276.0	274.3	272.1	271.6	272.1	271.6	272.1	274.3
170°	282.0	279.3	278.5	277.6	276.5	274.9	274.3	274.9	274.3	274.9	276.5
172.5°	281.5	279.8	279.2	278.7	278.2	277.1	277.1	277.6	277.1	277.1	278.2
175°	280.9	279.8	279.8	279.8	279.3	278.7	278.7	279.3	278.7	278.7	279.3
177.5°	280.4	279.8	279.8	279.8	279.8	279.3	279.8	280.4	279.8	279.3	279.8
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	886.0	883.1	884.6	877.1	870.4	860.7	852.5	851.0	849.5	854.0	851.0
5°	860.7	857.0	853.3	844.3	830.9	822.7	810.8	810.0	805.6	798.9	800.3
7.5°	833.1	830.9	825.7	811.5	799.6	785.4	775.8	767.6	763.8	757.9	755.6
10°	810.8	802.6	798.1	782.5	768.3	753.4	740.7	734.8	728.1	722.8	719.1
12.5°	780.2	778.0	765.3	752.7	740.7	723.6	713.9	696.8	687.8	692.3	690.8
15°	760.1	749.7	746.7	728.8	708.7	697.5	679.6	668.4	664.7	658.0	649.8
17.5°	733.3	726.6	716.1	699.7	676.6	661.0	648.3	637.9	633.4	624.5	617.8
20°	707.9	696.8	688.6	673.7	651.3	631.2	615.5	608.8	597.7	590.2	586.5
22.5°	684.8	676.6	664.7	642.4	623.0	603.6	585.0	575.3	564.9	560.4	554.4
25°	656.5	643.1	634.9	610.3	589.5	573.8	556.7	544.0	538.0	530.6	529.1
27.5°	629.0	616.3	606.6	585.0	559.6	539.5	529.1	520.2	509.7	509.7	506.0
30°	601.4	592.4	577.5	556.7	532.8	513.4	501.5	493.3	489.6	486.6	485.9
32.5°	573.8	561.9	552.9	524.6	506.7	488.9	479.9	473.2	468.7	468.0	468.7
35°	545.5	532.1	523.1	497.8	479.9	463.5	459.8	453.8	451.6	450.8	454.6
37.5°	515.7	505.2	494.1	473.2	453.1	443.4	435.9	433.7	433.0	437.4	438.9
40°	488.1	479.2	468.7	446.4	431.5	421.0	417.3	415.1	418.1	422.5	424.8
42.5°	462.0	449.4	441.2	421.0	407.6	401.7	397.2	397.2	400.2	405.4	409.1
45°	434.5	424.8	416.6	398.7	386.8	380.1	379.3	380.1	383.8	387.5	392.0
47.5°	407.6	397.9	389.0	374.1	363.7	359.9	359.2	359.9	365.9	371.1	376.3
50°	383.0	372.6	364.4	350.2	342.0	337.6	338.3	342.0	346.5	354.0	360.7
52.5°	354.0	346.5	339.1	326.4	318.9	316.0	318.2	321.2	329.4	334.6	342.8
55°	325.7	318.9	313.0	303.3	297.3	295.1	296.6	301.1	307.8	316.7	326.4
57.5°	299.6	292.1	286.2	279.5	272.7	273.5	274.2	280.2	288.4	296.6	307.8
60°	270.5	266.0	260.8	252.6	249.6	249.6	251.9	258.6	266.0	279.5	289.1
62.5°	244.4	238.5	234.7	229.5	225.1	225.8	231.0	237.0	245.9	257.1	269.8
65°	217.6	210.9	207.9	203.4	202.0	202.7	206.4	215.4	225.1	234.7	246.7
67.5°	187.8	185.6	182.6	178.1	179.6	180.3	184.1	191.5	202.0	211.6	225.1
70°	162.5	158.0	157.2	153.5	153.5	155.7	163.2	168.4	178.1	188.5	202.7
72.5°	135.6	131.9	131.9	128.9	131.2	133.4	137.1	144.6	153.5	163.9	175.9
75°	108.1	106.6	108.1	106.6	106.6	110.3	114.8	120.7	130.4	141.6	151.3
77.5°	83.5	83.5	82.7	85.0	85.0	87.2	93.2	99.1	106.6	115.5	125.9
80°	61.1	61.1	61.1	63.3	65.6	65.6	69.3	76.8	83.5	89.4	99.1
82.5°	41.7	41.7	41.7	43.2	46.2	46.2	50.7	55.1	62.6	67.8	72.3
85°	25.3	25.3	24.6	26.1	26.8	29.1	32.8	35.8	39.5	44.0	48.4
87.5°	11.2	11.2	11.9	12.7	13.4	14.9	16.4	17.9	21.6	23.1	25.3
90°	4.4	4.4	4.4	7.7	7.7	8.8	9.9	9.3	9.9	10.4	11.0
92.5°	35.2	42.4	49.5	83.6	136.9	188.6	215.5	179.2	132.5	98.9	78.1
95°	45.6	57.2	68.7	116.5	206.7	338.1	448.0	460.7	407.3	322.1	248.5
97.5°	53.3	63.2	73.1	111.0	188.6	323.8	479.4	577.8	586.5	544.2	483.8
100°	62.7	71.5	80.3	112.7	174.8	287.0	442.0	582.7	663.0	674.0	647.0
102.5°	73.1	81.4	89.6	118.2	171.0	262.2	395.2	541.5	659.1	724.5	741.0
105°	85.2	93.2	101.1	127.5	173.2	250.1	360.6	489.8	615.7	710.8	765.2
107.5°	97.3	105.2	113.2	137.4	179.8	246.8	338.1	447.5	562.4	665.2	741.0
110°	109.9	117.4	124.8	149.0	187.5	247.9	327.6	417.2	515.1	610.2	689.9

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	122.0	129.4	136.9	160.0	195.7	251.2	322.7	400.2	480.5	561.8	636.0
115°	134.7	142.1	149.5	171.5	204.5	255.6	321.6	390.8	459.6	527.2	591.5
117.5°	146.2	153.9	161.6	182.5	213.3	260.0	321.0	385.9	447.5	504.6	556.9
120°	157.8	165.5	173.2	194.1	222.6	265.0	321.0	382.1	439.8	490.9	534.9
122.5°	169.3	176.8	184.2	205.0	231.4	269.9	320.5	377.7	433.2	482.1	521.1
125°	179.8	187.4	195.1	214.9	240.2	274.9	319.9	372.7	425.5	472.8	510.7
127.5°	189.7	197.4	205.0	224.3	247.9	278.7	318.8	366.1	416.7	462.3	500.2
130°	199.0	207.0	214.9	233.6	255.1	283.1	318.3	360.1	405.7	449.1	486.5
132.5°	207.8	215.2	222.6	241.3	262.2	287.0	317.7	354.6	394.1	434.3	470.6
135°	216.0	223.2	230.3	248.5	268.3	290.8	317.2	349.1	383.7	419.4	453.0
137.5°	223.2	230.0	236.9	254.0	272.7	293.0	317.2	344.1	373.8	405.1	434.3
140°	229.8	236.4	243.0	259.5	277.1	295.7	316.6	340.3	365.6	391.4	416.1
142.5°	235.8	242.2	248.5	264.4	280.4	297.9	316.6	337.0	357.9	379.9	400.2
145°	241.3	247.4	253.4	267.7	282.6	298.5	315.5	333.1	350.7	369.4	385.9
147.5°	246.8	252.3	257.8	271.6	284.8	299.0	313.9	329.8	344.7	360.1	373.8
150°	251.8	257.0	262.2	274.3	286.4	299.0	312.2	326.0	339.2	351.8	362.8
152.5°	256.7	261.4	266.1	276.5	287.5	297.9	309.5	321.6	333.1	343.6	353.5
155°	261.1	265.2	269.4	278.7	288.1	296.8	306.7	317.2	327.1	335.9	344.1
157.5°	265.5	268.8	272.1	280.4	288.1	295.7	304.0	312.8	320.5	328.2	335.3
160°	268.8	271.8	274.9	281.5	288.1	294.1	300.7	307.8	314.4	320.5	326.5
162.5°	272.1	274.3	276.5	282.6	288.1	292.4	297.4	303.4	308.4	313.3	317.7
165°	274.3	276.0	277.6	282.6	287.0	290.3	294.1	298.5	302.9	306.2	310.0
167.5°	276.0	277.4	278.7	282.6	285.9	288.1	290.8	294.1	297.4	300.1	303.4
170°	277.6	278.5	279.3	282.0	284.8	285.9	287.5	289.7	292.4	294.1	296.3
172.5°	278.7	279.2	279.8	281.5	283.7	283.7	284.2	285.9	288.1	289.2	290.3
175°	279.8	279.8	279.8	280.9	282.6	282.0	282.0	283.1	284.2	284.8	285.9
177.5°	279.8	279.8	279.8	280.4	281.5	280.4	280.4	280.9	281.5	282.0	282.0
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	848.8	848.0	844.3	845.8	841.3	842.8	845.1	845.8	848.8	846.6	845.8
5°	796.6	795.1	792.9	790.7	789.9	792.9	787.7	789.2	790.7	792.9	795.9
7.5°	754.1	753.4	751.2	747.4	745.9	744.5	745.2	750.4	749.7	748.9	754.1
10°	715.4	716.1	711.7	710.9	706.5	705.7	706.5	707.9	710.2	713.2	713.9
12.5°	675.2	684.8	676.6	673.7	667.0	670.7	672.2	665.5	669.2	671.4	682.6
15°	649.8	645.3	640.1	640.1	637.1	635.7	631.9	637.1	640.1	644.6	643.1
17.5°	614.8	607.3	604.4	601.4	602.1	605.1	596.9	608.8	608.8	611.1	607.3
20°	584.2	578.3	574.6	573.1	570.8	569.3	568.6	571.6	576.0	577.5	581.3
22.5°	552.2	552.2	546.2	544.0	542.5	540.3	544.0	541.8	544.7	547.7	553.7
25°	525.4	525.4	523.1	520.2	517.9	516.4	518.7	517.9	520.2	523.9	525.4
27.5°	503.8	501.5	500.8	500.0	499.3	500.0	499.3	501.5	503.8	504.5	503.0
30°	485.1	482.9	483.6	483.6	484.4	483.6	482.9	485.1	485.9	484.4	485.1
32.5°	468.0	468.0	469.5	470.2	470.2	471.0	471.7	470.2	471.0	468.7	469.5
35°	453.8	455.3	456.8	457.6	458.3	457.6	459.0	458.3	456.8	455.3	454.6
37.5°	439.7	441.2	444.1	444.9	447.1	447.9	446.4	446.4	445.6	442.7	441.2
40°	424.8	426.3	430.0	432.2	433.7	435.9	434.5	434.5	431.5	428.5	426.3
42.5°	410.6	413.6	417.3	419.6	422.5	422.5	422.5	421.0	417.3	414.3	412.1
45°	396.4	397.2	402.4	406.1	409.1	409.1	409.1	406.9	404.6	398.7	395.7
47.5°	380.8	383.0	389.0	392.7	395.7	396.4	396.4	394.2	389.7	384.5	380.8
50°	363.7	367.4	374.1	379.3	383.0	384.5	382.3	380.8	375.6	369.6	365.2
52.5°	347.3	351.7	359.9	364.4	369.6	370.4	369.6	367.4	361.4	353.2	349.5
55°	330.9	334.6	343.5	351.0	355.5	357.0	355.5	351.7	344.3	336.1	332.4
57.5°	313.0	318.2	327.9	335.3	340.6	341.3	339.8	336.1	330.1	319.7	314.5
60°	294.4	301.1	310.8	318.2	324.9	325.7	324.2	318.9	311.5	301.1	296.6
62.5°	275.7	280.9	292.1	300.3	305.5	309.3	306.3	301.1	293.6	283.2	276.5
65°	254.1	261.6	271.3	278.7	284.7	285.4	283.9	279.5	271.3	260.1	254.9
67.5°	233.2	238.5	248.2	257.8	260.1	262.3	260.1	255.6	248.9	239.2	231.8
70°	207.9	212.4	224.3	231.0	234.0	236.2	234.7	230.3	224.3	215.4	209.4
72.5°	182.6	186.3	197.5	202.7	208.7	207.9	207.2	204.2	196.0	190.0	186.3
75°	155.7	160.2	167.7	174.4	176.6	176.6	176.6	174.4	169.2	159.5	155.7
77.5°	131.2	133.4	139.4	143.1	145.3	146.1	145.3	141.6	138.6	131.9	129.7
80°	100.6	106.6	111.0	111.8	114.8	114.8	114.8	113.3	110.3	103.6	102.8
82.5°	76.0	77.5	82.0	84.2	85.7	85.0	85.0	82.0	81.2	77.5	76.0
85°	51.4	53.7	52.9	55.9	56.6	55.1	55.1	56.6	52.9	53.7	51.4
87.5°	28.3	28.3	29.8	29.1	32.0	32.0	30.6	31.3	29.8	29.1	28.3
90°	11.0	11.0	11.5	12.1	11.5	11.5	11.5	12.1	11.5	11.0	11.0
92.5°	71.2	64.3	56.1	52.2	50.0	50.0	50.0	52.2	56.1	64.3	71.2
95°	221.8	195.1	168.2	151.2	141.3	134.1	141.3	151.2	168.2	195.1	221.8
97.5°	453.0	422.2	384.8	351.8	335.3	322.1	335.3	351.8	384.8	422.2	453.0
100°	626.6	606.3	558.5	525.0	508.5	504.1	508.5	525.0	558.5	606.3	626.6
102.5°	735.5	730.0	705.3	683.3	665.7	662.4	665.7	683.3	705.3	730.0	735.5
105°	776.4	787.7	788.8	784.4	776.8	773.5	776.8	784.4	788.8	787.7	776.4
107.5°	764.1	787.2	811.4	821.3	825.7	826.2	825.7	821.3	811.4	787.2	764.1
110°	720.2	750.4	789.4	812.5	822.4	827.3	822.4	812.5	789.4	750.4	720.2

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	666.2	696.5	742.1	771.3	786.1	794.9	786.1	771.3	742.1	696.5	666.2
115°	617.9	644.3	687.7	720.7	738.3	742.7	738.3	720.7	687.7	644.3	617.9
117.5°	580.0	603.0	641.5	670.1	688.8	691.5	688.8	670.1	641.5	603.0	580.0
120°	554.4	573.9	605.2	629.4	643.7	649.8	643.7	629.4	605.2	573.9	554.4
122.5°	537.6	554.1	579.4	599.2	610.7	616.8	610.7	599.2	579.4	554.1	537.6
125°	525.8	540.9	562.9	578.9	589.3	592.6	589.3	578.9	562.9	540.9	525.8
127.5°	514.5	528.8	550.8	565.1	573.9	577.2	573.9	565.1	550.8	528.8	514.5
130°	501.0	515.6	538.2	551.9	560.7	564.0	560.7	551.9	538.2	515.6	501.0
132.5°	485.2	499.7	521.7	537.6	545.9	549.2	545.9	537.6	521.7	499.7	485.2
135°	466.8	480.5	502.4	517.8	526.6	529.9	526.6	517.8	502.4	480.5	466.8
137.5°	447.0	459.6	480.5	496.4	503.5	507.4	503.5	496.4	480.5	459.6	447.0
140°	427.6	439.2	458.5	470.6	478.3	482.7	478.3	470.6	458.5	439.2	427.6
142.5°	409.8	419.4	435.9	446.9	453.5	456.3	453.5	446.9	435.9	419.4	409.8
145°	393.6	401.3	415.0	424.4	429.9	432.6	429.9	424.4	415.0	401.3	393.6
147.5°	380.2	386.5	396.9	405.1	409.5	410.6	409.5	405.1	396.9	386.5	380.2
150°	367.8	372.7	381.5	388.7	391.9	392.5	391.9	388.7	381.5	372.7	367.8
152.5°	357.4	361.2	368.3	373.8	375.5	376.0	375.5	373.8	368.3	361.2	357.4
155°	347.4	350.7	356.2	360.6	362.3	362.3	362.3	360.6	356.2	350.7	347.4
157.5°	338.0	340.8	345.2	348.5	349.6	349.6	349.6	348.5	345.2	340.8	338.0
160°	328.7	330.9	334.2	337.5	338.1	338.1	338.1	337.5	334.2	330.9	328.7
162.5°	319.6	321.6	323.8	327.1	327.6	327.1	327.6	327.1	323.8	321.6	319.6
165°	311.4	312.8	315.0	317.2	316.6	316.1	316.6	317.2	315.0	312.8	311.4
167.5°	304.2	305.1	306.2	307.8	307.8	307.3	307.8	307.8	306.2	305.1	304.2
170°	297.1	297.9	299.0	299.6	299.0	299.0	299.0	299.6	299.0	297.9	297.1
172.5°	290.8	291.4	291.9	292.4	291.9	290.8	291.9	292.4	291.9	291.4	290.8
175°	285.9	285.9	285.9	287.0	285.9	284.8	285.9	287.0	285.9	285.9	285.9
177.5°	282.3	282.6	282.0	282.6	281.5	280.4	281.5	282.6	282.0	282.6	282.3
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	845.8	850.3	845.8	848.8	850.3	854.0	855.5	862.2	864.4	869.7	869.7
5°	795.1	797.4	798.1	801.1	804.1	811.5	816.7	826.4	837.6	839.1	845.8
7.5°	754.1	757.9	763.8	761.6	766.8	778.0	784.7	796.6	807.8	813.8	822.0
10°	717.6	722.1	724.3	726.6	736.3	745.9	756.4	764.6	779.5	788.4	795.1
12.5°	687.8	684.1	688.6	696.8	707.9	713.9	728.1	740.7	751.9	761.6	767.6
15°	649.1	652.1	656.5	670.7	673.7	688.6	693.8	707.9	728.8	737.8	745.2
17.5°	611.8	621.5	630.4	635.7	644.6	656.5	671.4	687.1	700.5	710.9	719.9
20°	582.0	591.7	596.9	600.6	609.6	626.0	640.1	659.5	676.6	684.8	696.8
22.5°	558.2	558.2	565.6	576.8	582.0	597.7	609.6	630.4	649.1	659.5	670.7
25°	528.3	532.8	538.8	548.5	555.9	568.6	585.7	603.6	623.7	632.7	646.8
27.5°	503.8	509.0	517.2	519.4	526.9	538.0	555.9	575.3	596.2	605.9	617.8
30°	485.1	488.1	491.1	495.6	502.3	512.0	526.9	544.0	569.3	576.8	591.7
32.5°	468.7	470.2	471.7	475.4	479.2	488.9	500.8	519.4	540.3	551.5	564.9
35°	453.8	452.3	453.1	455.3	459.0	462.8	475.4	491.1	510.5	523.9	534.3
37.5°	439.7	436.7	435.9	435.9	437.4	441.9	451.6	465.0	485.9	497.1	507.5
40°	424.0	421.0	419.6	418.8	418.1	421.0	428.5	441.9	458.3	468.7	480.7
42.5°	409.1	406.1	402.4	401.7	400.2	401.7	406.9	419.6	433.7	444.1	453.8
45°	394.2	389.0	384.5	381.5	382.3	380.1	383.8	393.5	409.9	416.6	426.3
47.5°	377.8	371.9	365.9	362.9	359.9	361.4	362.9	371.1	385.3	392.0	401.7
50°	362.2	354.0	347.3	343.5	341.3	339.8	341.3	349.5	359.9	365.9	374.1
52.5°	344.3	336.1	329.4	323.4	320.4	318.2	318.9	326.4	336.1	342.0	350.2
55°	327.9	317.5	308.5	301.1	298.8	298.1	297.3	302.6	310.8	316.7	323.4
57.5°	309.3	298.8	289.1	280.2	275.7	275.0	275.0	276.5	286.9	291.4	295.1
60°	290.6	279.5	269.0	260.8	254.1	251.9	251.1	254.1	259.3	263.8	269.0
62.5°	269.8	258.6	245.9	238.5	231.8	225.8	228.0	228.8	236.2	238.5	242.9
65°	249.6	237.0	226.5	214.6	207.2	203.4	202.0	203.4	209.4	210.1	213.1
67.5°	226.5	214.6	202.0	193.8	187.0	180.3	178.8	178.8	181.8	184.1	187.8
70°	204.2	192.3	178.1	169.2	162.5	156.5	154.3	153.5	155.7	157.2	161.0
72.5°	178.1	166.2	155.7	146.1	137.9	133.4	131.2	129.7	131.9	133.4	134.1
75°	150.5	140.8	130.4	120.7	115.5	111.0	108.1	105.8	107.3	107.3	107.3
77.5°	124.4	114.8	106.6	99.9	93.2	87.9	85.7	83.5	84.2	84.2	85.7
80°	96.9	90.2	83.5	77.5	71.5	67.1	65.6	63.3	61.9	61.1	61.1
82.5°	71.5	66.3	60.4	55.1	52.2	47.7	46.2	43.2	43.2	42.5	42.5
85°	47.7	44.7	38.8	35.0	32.8	30.6	29.1	27.6	25.3	25.3	24.6
87.5°	25.3	23.8	22.4	17.9	17.9	15.6	14.9	14.2	11.9	12.7	12.7
90°	11.0	10.4	9.9	9.3	9.9	8.8	7.7	7.7	4.4	4.4	4.4
92.5°	78.1	98.9	132.5	179.2	215.5	188.6	136.9	83.6	49.5	42.4	35.2
95°	248.5	322.1	407.3	460.7	448.0	338.1	206.7	116.5	68.7	57.2	45.6
97.5°	483.8	544.2	586.5	577.8	479.4	323.8	188.6	111.0	73.1	63.2	53.3
100°	647.0	674.0	663.0	582.7	442.0	287.0	174.8	112.7	80.3	71.5	62.7
102.5°	741.0	724.5	659.1	541.5	395.2	262.2	171.0	118.2	89.6	81.4	73.1
105°	765.2	710.8	615.7	489.8	360.6	250.1	173.2	127.5	101.1	93.2	85.2
107.5°	741.0	665.2	562.4	447.5	338.1	246.8	179.8	137.4	113.2	105.2	97.3
110°	689.9	610.2	515.1	417.2	327.6	247.9	187.5	149.0	124.8	117.4	109.9

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	636.0	561.8	480.5	400.2	322.7	251.2	195.7	160.0	136.9	129.4	122.0
115°	591.5	527.2	459.6	390.8	321.6	255.6	204.5	171.5	149.5	142.1	134.7
117.5°	556.9	504.6	447.5	385.9	321.0	260.0	213.3	182.5	161.6	153.9	146.2
120°	534.9	490.9	439.8	382.1	321.0	265.0	222.6	194.1	173.2	165.5	157.8
122.5°	521.1	482.1	433.2	377.7	320.5	269.9	231.4	205.0	184.2	176.8	169.3
125°	510.7	472.8	425.5	372.7	319.9	274.9	240.2	214.9	195.1	187.4	179.8
127.5°	500.2	462.3	416.7	366.1	318.8	278.7	247.9	224.3	205.0	197.4	189.7
130°	486.5	449.1	405.7	360.1	318.3	283.1	255.1	233.6	214.9	207.0	199.0
132.5°	470.6	434.3	394.1	354.6	317.7	287.0	262.2	241.3	222.6	215.2	207.8
135°	453.0	419.4	383.7	349.1	317.2	290.8	268.3	248.5	230.3	223.2	216.0
137.5°	434.3	405.1	373.8	344.1	317.2	293.0	272.7	254.0	236.9	230.0	223.2
140°	416.1	391.4	365.6	340.3	316.6	295.7	277.1	259.5	243.0	236.4	229.8
142.5°	400.2	379.9	357.9	337.0	316.6	297.9	280.4	264.4	248.5	242.2	235.8
145°	385.9	369.4	350.7	333.1	315.5	298.5	282.6	267.7	253.4	247.4	241.3
147.5°	373.8	360.1	344.7	329.8	313.9	299.0	284.8	271.6	257.8	252.3	246.8
150°	362.8	351.8	339.2	326.0	312.2	299.0	286.4	274.3	262.2	257.0	251.8
152.5°	353.5	343.6	333.1	321.6	309.5	297.9	287.5	276.5	266.1	261.4	256.7
155°	344.1	335.9	327.1	317.2	306.7	296.8	288.1	278.7	269.4	265.2	261.1
157.5°	335.3	328.2	320.5	312.8	304.0	295.7	288.1	280.4	272.1	268.8	265.5
160°	326.5	320.5	314.4	307.8	300.7	294.1	288.1	281.5	274.9	271.8	268.8
162.5°	317.7	313.3	308.4	303.4	297.4	292.4	288.1	282.6	276.5	274.3	272.1
165°	310.0	306.2	302.9	298.5	294.1	290.3	287.0	282.6	277.6	276.0	274.3
167.5°	303.4	300.1	297.4	294.1	290.8	288.1	285.9	282.6	278.7	277.4	276.0
170°	296.3	294.1	292.4	289.7	287.5	285.9	284.8	282.0	279.3	278.5	277.6
172.5°	290.3	289.2	288.1	285.9	284.2	283.7	283.7	281.5	279.8	279.2	278.7
175°	285.9	284.8	284.2	283.1	282.0	282.0	282.6	280.9	279.8	279.8	279.8
177.5°	282.0	282.0	281.5	280.9	280.4	280.4	281.5	280.4	279.8	279.8	279.8
180°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	899.5	899.5	899.5	899.5
2.5°	874.9	882.3	889.0	899.5
5°	855.5	865.9	880.1	895.7
7.5°	833.1	849.5	868.2	889.8
10°	812.3	830.9	854.7	880.8
12.5°	790.7	813.0	839.1	867.4
15°	766.1	788.4	817.5	855.5
17.5°	743.7	770.5	801.8	842.1
20°	717.6	743.0	777.2	823.5
22.5°	694.5	723.6	761.6	801.8
25°	669.2	694.5	732.5	781.0
27.5°	643.9	675.2	711.7	758.6
30°	619.3	645.3	684.8	734.0
32.5°	592.4	623.7	660.3	706.5
35°	563.4	593.2	627.5	677.4
37.5°	537.3	566.4	601.4	645.3
40°	508.2	538.8	570.8	614.8
42.5°	479.9	507.5	539.5	579.8
45°	452.3	476.2	505.2	540.3
47.5°	424.0	444.1	471.0	502.3
50°	393.5	415.1	435.2	461.3
52.5°	365.2	383.8	400.2	421.8
55°	337.6	350.2	363.7	380.1
57.5°	308.5	318.2	327.9	345.0
60°	279.5	288.4	293.6	304.8
62.5°	251.1	254.9	261.6	268.3
65°	219.8	225.1	228.8	237.0
67.5°	191.5	193.8	197.5	202.7
70°	161.7	166.9	168.4	172.1
72.5°	136.4	138.6	140.1	140.8
75°	108.1	110.3	111.8	116.3
77.5°	85.0	84.2	87.2	87.9
80°	62.6	60.4	61.1	64.1
82.5°	41.0	41.7	41.0	41.0
85°	25.3	24.6	23.1	23.8
87.5°	11.2	11.2	10.4	10.4
90°	3.8	3.3	1.6	0.5
92.5°	25.3	17.0	11.0	7.7
95°	32.4	25.3	19.8	18.1
97.5°	41.8	35.2	30.2	30.2
100°	52.2	45.6	41.8	41.8
102.5°	63.2	57.2	53.9	52.8
105°	75.3	68.7	66.0	64.3
107.5°	88.0	80.8	78.1	77.0
110°	100.0	93.5	90.7	89.6

TEST NUMBER: P1025652

CATALOG NUMBER: S124DIP-B575D590UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	112.1	106.1	102.8	101.7
115°	124.2	118.7	114.9	113.2
117.5°	136.3	130.3	127.0	125.3
120°	148.4	142.4	138.5	137.4
122.5°	158.9	153.4	149.5	148.4
125°	169.3	163.3	160.0	157.8
127.5°	178.7	172.1	168.2	166.6
130°	188.6	180.3	175.9	173.7
132.5°	196.2	188.6	182.5	180.9
135°	204.5	195.1	189.7	187.5
137.5°	211.1	202.3	196.2	194.1
140°	218.2	208.9	202.8	201.2
142.5°	224.8	216.0	210.5	208.9
145°	230.9	223.2	217.7	216.0
147.5°	238.0	229.8	224.8	224.3
150°	243.5	236.9	232.5	232.0
152.5°	249.6	243.5	239.1	239.1
155°	255.1	249.6	246.3	245.7
157.5°	260.0	255.6	252.3	252.3
160°	264.4	260.6	258.4	258.4
162.5°	268.3	265.0	263.3	263.9
165°	271.6	268.8	267.7	267.7
167.5°	274.3	272.1	271.6	272.1
170°	276.5	274.9	274.3	274.9
172.5°	278.2	277.1	277.1	277.6
175°	279.3	278.7	278.7	279.3
177.5°	279.8	279.3	279.8	280.4
180°	279.8	279.8	279.8	279.8

(END OF REPORT)