

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: P1011678

Luminaire Tested: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011678
REPORT IS A COMBINATION OF REPORTS P989921 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D1025UB27-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

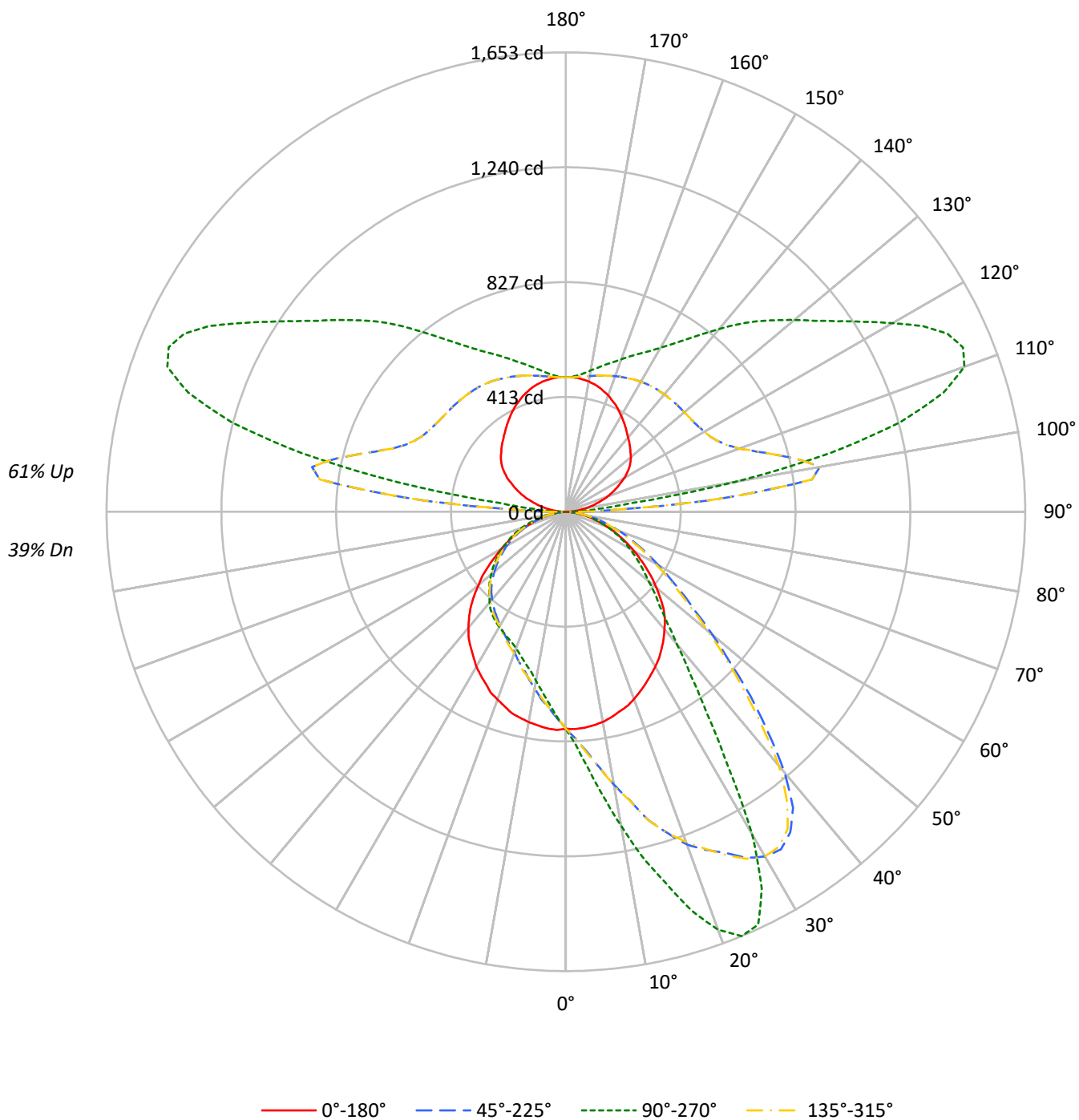
Lumens per Lamp: N/A
Luminaire Lumens: 5999.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39		
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34		
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28		
3	80	70	63	58	72	64	58	53	53	49	45	42	39	37	33	31	29	24		
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21		
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18		
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16		
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14		
8	53	41	33	28	48	37	31	26	31	26	22	25	22	19	20	17	15	13		
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	12		
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	14	13	10		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8402	8402	8402	8402
5°	8408	9682	8432	7225
10°	8354	11716	8363	6310
15°	8239	13894	8307	5680
20°	8140	15996	8157	5226
25°	7992	16400	8010	4990
30°	7887	13549	7887	4835
35°	7756	9061	7707	4697
40°	7600	6542	7506	4488
45°	7403	5181	7189	4227
50°	6926	4400	6678	3971
55°	6400	3866	6141	3686
60°	5868	3366	5557	3387
65°	5284	2883	5028	2986
70°	4676	2393	4367	2517
75°	3998	1805	3739	1944
80°	3160	1204	2915	1276
85°	2180	554	1748	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.3
10°-20°	246.6	4.1
20°-30°	414.9	6.9
30°-40°	468.9	7.8
40°-50°	419.9	7.0
50°-60°	339.0	5.7
60°-70°	236.2	3.9
70°-80°	124.0	2.1
80°-90°	32.4	0.5
90°-100°	262.6	4.4
100°-110°	768.8	12.8
110°-120°	750.8	12.5
120°-130°	597.9	10.0
130°-140°	471.8	7.9
140°-150°	351.9	5.9
150°-160°	245.4	4.1
160°-170°	144.1	2.4
170°-180°	46.9	0.8
0°-30°	738.2	12.3
0°-40°	1207.1	20.1
0°-60°	1966.1	32.8
0°-90°	2358.7	39.3
90°-120°	1782.3	29.7
90°-150°	3203.9	53.4
90°-180°	3640.0	60.7
0°-180°	5999.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	781	781	781	781	781	
5°	780	927	782	692	780	74
15°	744	1380	750	564	744	210
25°	681	1638	682	498	681	314
35°	601	883	597	458	601	376
45°	498	476	484	389	498	381
55°	353	324	339	309	353	316
65°	219	210	208	218	219	218
75°	105	108	98	116	105	113
85°	23	25	18	23	23	26
90°	2	28	2	28	2	4
95°	33	114	33	114	33	35
105°	114	1246	114	1246	114	121
115°	201	1516	201	1516	201	199
125°	279	1195	279	1195	279	248
135°	327	969	327	969	327	253
145°	373	757	373	757	373	234
155°	424	628	424	628	424	195
165°	463	548	463	548	463	131
175°	483	493	483	493	483	46
180°	484	484	484	484	484	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	782.9	788.9	792.0	796.5	801.0	807.8	810.1	813.9	812.4	815.4	816.9
5°	779.9	790.4	799.5	810.9	821.5	829.0	836.6	848.7	857.8	859.3	866.1
7.5°	774.6	789.7	805.6	821.5	841.9	854.0	867.6	884.2	897.9	919.8	928.1
10°	767.7	788.9	811.6	833.6	861.5	880.5	897.1	925.1	953.1	975.8	996.9
12.5°	757.2	783.6	813.1	845.7	882.0	903.9	926.6	963.7	1006.0	1040.8	1063.5
15°	744.3	777.6	815.4	850.2	890.3	931.1	955.3	996.9	1057.5	1090.0	1148.2
17.5°	733.7	767.7	805.6	860.0	914.5	955.3	972.7	1049.1	1090.7	1145.2	1211.0
20°	717.1	760.2	808.6	863.1	933.4	958.4	993.9	1071.1	1122.5	1193.6	1274.5
22.5°	699.7	745.8	804.1	860.8	939.5	965.9	1014.3	1075.6	1157.3	1227.6	1316.9
25°	680.8	730.7	789.7	857.0	934.2	972.7	1018.1	1093.8	1182.3	1270.8	1353.2
27.5°	661.9	716.3	777.6	844.9	919.8	965.2	1010.6	1089.2	1202.7	1298.7	1403.9
30°	643.7	698.2	759.4	828.3	906.9	950.8	993.9	1092.2	1218.6	1326.7	1432.6
32.5°	624.0	680.0	744.3	801.8	881.2	928.1	976.5	1092.2	1228.4	1343.4	1440.2
35°	600.6	658.1	713.3	770.8	849.4	901.6	956.1	1084.7	1237.5	1348.7	1408.4
37.5°	577.9	628.6	676.2	732.2	814.6	870.6	933.4	1075.6	1232.9	1326.0	1342.6
40°	552.2	602.9	641.4	693.6	780.6	845.7	909.2	1063.5	1213.3	1272.3	1223.9
42.5°	527.2	567.3	600.6	651.3	745.8	809.4	878.2	1041.6	1174.7	1186.8	1077.9
45°	498.5	527.2	556.7	614.2	708.0	773.0	849.4	1009.8	1112.7	1077.9	940.2
47.5°	461.4	487.1	519.6	572.6	667.9	735.2	807.8	969.0	1022.7	950.0	799.5
50°	425.9	447.8	478.0	529.5	625.5	691.4	768.5	904.7	931.1	816.9	689.1
52.5°	390.3	406.9	436.4	487.9	583.9	647.5	717.8	838.9	823.7	701.2	587.7
55°	353.2	367.6	395.6	446.3	535.5	596.0	663.4	757.9	718.6	602.1	511.3
57.5°	316.9	332.1	360.8	403.2	487.1	546.1	599.8	674.0	615.0	521.9	441.7
60°	284.4	297.3	319.2	360.8	437.2	484.9	534.0	584.7	535.5	445.5	384.3
62.5°	250.4	262.5	282.9	320.7	386.5	428.9	468.2	509.8	455.4	389.5	335.1
65°	218.6	228.4	247.3	282.1	335.8	370.6	402.4	431.1	387.3	326.8	285.9
67.5°	189.9	198.2	214.1	245.1	290.5	315.4	341.1	365.3	328.3	279.9	245.1
70°	158.8	165.7	180.0	202.7	239.0	264.7	283.7	301.8	268.5	229.9	206.5
72.5°	131.6	138.4	147.5	170.9	195.9	211.8	232.2	242.0	223.1	191.4	167.9
75°	105.1	110.4	118.8	133.9	157.3	167.9	180.8	188.3	170.9	149.8	135.4
77.5°	82.4	84.7	90.8	101.4	117.2	129.3	139.2	143.7	131.6	118.0	105.9
80°	58.2	61.3	65.8	74.9	87.0	90.8	96.8	102.1	94.6	82.4	74.9
82.5°	38.6	42.4	44.6	48.4	56.0	60.5	62.0	66.6	59.8	55.2	52.2
85°	22.7	24.2	25.0	27.2	31.0	33.3	35.6	36.3	34.8	34.0	31.0
87.5°	11.3	11.3	11.3	12.9	13.6	15.1	15.9	15.9	15.9	15.1	14.4
90°	2.0	3.9	5.9	8.8	10.8	11.8	12.7	15.7	18.6	21.6	24.5
92.5°	14.7	21.6	31.3	40.2	50.0	58.8	67.6	98.9	150.9	201.8	182.2
95°	33.3	36.2	47.0	63.7	89.1	108.2	127.4	210.6	356.6	517.3	580.9
97.5°	52.9	53.9	62.7	77.4	102.9	124.0	145.0	227.3	396.8	667.1	893.4
100°	72.5	73.5	80.3	94.0	117.6	136.7	155.8	224.3	369.3	627.0	927.7
102.5°	93.1	95.0	100.9	113.6	134.2	151.4	168.5	228.3	345.8	568.2	864.1
105°	113.6	116.6	122.5	134.2	152.8	168.0	183.2	236.1	337.0	522.2	787.6
107.5°	135.2	138.1	144.0	155.8	173.4	187.6	201.8	248.8	335.0	488.8	720.0
110°	158.7	161.6	166.5	177.3	194.0	207.7	221.4	265.5	339.9	471.2	664.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	180.3	183.2	188.1	198.9	215.5	228.8	242.0	282.1	349.7	461.4	627.0
115°	200.8	204.7	210.6	220.4	237.1	250.3	263.5	300.8	360.5	460.4	602.5
117.5°	221.4	226.3	231.2	240.0	258.6	270.8	283.1	320.3	374.2	461.4	585.8
120°	243.0	245.9	250.8	260.6	279.2	291.4	303.7	339.0	389.9	465.3	575.1
122.5°	261.6	264.5	269.4	280.2	297.8	311.0	324.3	358.6	404.6	472.2	568.2
125°	279.2	281.2	287.0	297.8	316.4	329.6	342.9	377.2	420.3	479.1	562.3
127.5°	292.9	295.9	302.7	313.5	334.1	347.3	360.5	393.8	433.0	486.9	559.4
130°	305.7	308.6	317.4	329.2	349.7	363.0	376.2	408.5	445.7	494.7	556.4
132.5°	315.4	319.4	329.2	343.9	364.4	377.2	389.9	421.3	457.5	500.6	555.5
135°	327.2	331.1	341.9	356.6	377.2	390.4	403.6	434.0	467.3	506.5	554.5
137.5°	338.0	341.9	352.7	368.4	388.9	401.2	413.4	442.8	475.1	510.4	552.5
140°	348.8	353.7	363.5	379.1	398.7	411.0	423.2	451.6	481.0	514.3	551.5
142.5°	360.5	364.4	375.2	388.9	408.5	419.8	431.0	458.5	486.9	517.3	549.6
145°	373.2	376.2	385.0	399.7	416.4	427.6	438.9	464.4	490.8	518.2	547.6
147.5°	386.0	387.9	396.8	409.5	426.2	436.0	445.7	469.3	493.7	518.2	544.7
150°	398.7	399.7	407.5	420.3	434.0	442.8	451.6	474.2	494.7	518.2	540.8
152.5°	411.5	411.5	419.3	430.1	441.8	450.2	458.5	477.1	496.7	515.3	535.9
155°	424.2	424.2	430.1	439.9	450.6	457.5	464.4	481.0	496.7	513.3	530.0
157.5°	434.0	435.0	439.9	448.7	458.5	463.9	469.3	483.0	497.7	510.4	525.1
160°	445.7	445.7	449.7	457.5	464.4	469.3	474.2	485.9	497.7	508.4	519.2
162.5°	454.6	454.6	457.5	463.4	469.3	473.2	477.1	486.9	496.7	504.5	513.3
165°	463.4	462.4	464.4	469.3	473.2	476.6	480.0	487.9	494.7	500.6	507.5
167.5°	470.2	469.3	470.2	474.2	477.1	479.6	482.0	487.9	493.7	496.7	501.6
170°	476.1	474.2	475.1	478.1	480.0	481.0	482.0	486.9	490.8	492.8	495.7
172.5°	480.0	479.1	479.1	481.0	482.0	482.5	483.0	486.9	489.8	489.8	490.8
175°	483.0	482.0	481.0	483.0	483.0	483.4	483.9	485.9	487.9	486.9	486.9
177.5°	484.9	483.9	483.0	483.9	483.9	483.9	483.9	484.9	486.9	484.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	822.2	823.7	829.0	832.8	840.4	839.6	839.6	838.9	836.6	840.4	842.6
5°	879.7	892.6	894.1	910.7	911.5	918.3	922.8	919.0	928.1	927.4	920.5
7.5°	950.8	968.2	976.5	992.4	1010.6	1006.0	1023.4	1026.4	1024.9	1032.5	1037.8
10°	1028.7	1059.0	1080.1	1109.6	1117.2	1121.7	1133.1	1142.9	1162.6	1147.5	1157.3
12.5°	1118.0	1139.9	1167.9	1214.8	1238.2	1253.4	1258.7	1265.5	1279.1	1270.8	1271.5
15°	1192.8	1222.3	1270.0	1328.2	1335.1	1354.0	1349.4	1390.3	1409.9	1380.4	1397.1
17.5°	1270.8	1310.1	1366.8	1417.5	1446.2	1459.1	1471.2	1510.5	1509.0	1504.5	1508.3
20°	1320.7	1385.0	1455.3	1522.6	1531.0	1540.8	1573.3	1590.0	1586.9	1599.8	1608.1
22.5°	1391.0	1459.1	1534.0	1578.6	1597.5	1608.9	1634.6	1645.2	1649.7	1652.7	1647.4
25°	1450.0	1522.6	1577.9	1617.2	1628.5	1634.6	1642.9	1645.9	1643.7	1638.4	1642.9
27.5°	1490.1	1548.4	1586.2	1604.3	1598.3	1588.4	1572.6	1562.0	1538.5	1527.2	1540.8
30°	1506.8	1532.5	1543.8	1513.6	1483.3	1459.1	1428.8	1372.9	1329.0	1341.9	1324.5
32.5°	1480.3	1463.6	1409.2	1331.3	1307.8	1268.5	1183.0	1117.2	1119.5	1084.7	1099.1
35°	1402.4	1326.7	1223.9	1105.9	1074.8	1053.7	959.9	945.5	915.2	882.7	891.8
37.5°	1264.7	1154.3	1029.5	942.5	896.3	850.2	797.2	765.5	747.3	733.7	744.3
40°	1096.8	962.1	859.3	781.4	742.0	712.5	676.2	644.5	624.0	621.8	625.5
42.5°	931.9	818.4	723.9	649.8	636.9	602.1	578.6	553.7	547.6	537.8	543.1
45°	788.9	696.6	618.7	558.2	543.1	534.0	505.3	489.4	482.6	476.5	485.6
47.5°	685.3	588.5	531.8	495.4	480.3	465.2	449.3	438.7	433.4	434.2	433.4
50°	585.5	514.4	464.4	436.4	427.4	416.8	403.9	397.1	394.8	388.0	393.3
52.5°	503.8	452.3	417.5	391.1	384.3	376.7	366.1	362.3	357.0	355.5	355.5
55°	438.0	397.9	369.9	352.5	344.2	338.1	332.1	327.5	323.7	323.7	323.7
57.5°	386.5	351.7	331.3	316.2	313.2	307.1	300.3	300.3	295.0	294.2	296.5
60°	342.7	311.6	295.8	282.9	278.4	276.8	270.0	270.0	268.5	264.7	267.8
62.5°	298.0	275.3	261.7	251.9	247.3	247.3	242.0	238.3	238.3	239.0	237.5
65°	257.2	240.5	228.4	220.9	218.6	215.6	214.8	211.8	209.5	210.3	209.5
67.5°	220.9	208.0	199.7	193.6	189.9	188.3	186.1	186.1	184.6	185.3	181.5
70°	188.3	175.5	168.7	162.6	161.1	161.1	158.1	158.8	157.3	159.6	158.1
72.5°	155.1	145.2	139.9	137.7	136.2	135.4	133.9	132.4	131.6	133.1	132.4
75°	125.6	117.2	113.5	111.9	110.4	110.4	109.7	108.9	108.2	108.2	108.2
77.5°	97.6	92.3	87.7	89.3	87.0	87.7	85.5	85.5	86.2	85.5	85.5
80°	71.9	68.1	68.1	66.6	63.5	65.1	65.1	62.8	62.0	63.5	61.3
82.5°	47.7	46.9	45.4	44.6	43.1	43.9	43.1	42.4	41.6	43.1	41.6
85°	28.0	28.0	27.2	25.7	27.2	26.5	25.7	25.7	25.0	25.0	25.0
87.5°	14.4	12.9	12.9	12.1	12.9	11.3	12.1	11.3	10.6	11.3	10.6
90°	23.5	24.5	25.5	26.5	27.4	28.4	27.4	28.4	29.4	28.4	29.4
92.5°	136.2	97.0	75.4	65.6	62.2	58.8	56.8	52.9	53.9	51.9	53.9
95°	471.2	352.7	239.0	187.1	169.4	151.8	133.2	124.4	117.6	113.6	117.6
97.5°	923.8	810.2	611.3	482.0	426.2	370.3	304.7	267.4	243.9	233.2	243.9
100°	1120.7	1155.0	1075.7	961.0	891.4	821.9	723.0	651.5	613.3	614.2	613.3
102.5°	1130.5	1269.6	1286.3	1231.4	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2
105°	1068.8	1273.6	1371.5	1390.1	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0
107.5°	980.6	1214.8	1368.6	1445.0	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2
110°	898.3	1122.7	1302.9	1426.4	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	826.8	1031.6	1216.7	1358.8	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9
115°	772.0	953.2	1123.7	1267.7	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6
117.5°	735.7	892.5	1043.3	1175.6	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1
120°	708.3	846.4	978.7	1096.2	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9
122.5°	685.8	810.2	926.8	1033.5	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7
125°	667.1	778.8	885.6	979.7	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3
127.5°	649.5	750.4	847.4	933.6	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7
130°	635.8	724.0	812.1	891.5	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9
132.5°	623.1	699.5	778.8	851.3	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9
135°	612.3	677.9	747.5	811.2	839.1	867.0	915.0	944.4	962.0	968.9	962.0
137.5°	602.5	657.3	716.1	772.9	797.9	822.9	864.1	894.4	909.1	915.0	909.1
140°	593.7	639.7	689.7	736.7	757.8	778.8	816.1	843.5	859.2	858.2	859.2
142.5°	585.8	623.1	664.2	703.4	721.0	738.7	769.0	792.5	806.3	805.3	806.3
145°	579.0	610.3	642.7	674.0	688.2	702.4	726.9	747.5	755.3	757.3	755.3
147.5°	572.1	599.5	626.0	652.5	662.8	673.0	692.6	707.3	715.1	716.1	715.1
150°	565.3	587.8	610.3	630.9	640.2	649.5	664.2	675.0	680.9	680.9	680.9
152.5°	557.4	577.0	595.6	613.3	620.6	628.0	638.7	648.5	651.5	651.5	651.5
155°	549.6	566.2	581.9	596.6	602.5	608.4	617.2	625.0	627.0	628.0	627.0
157.5°	540.8	554.5	568.2	580.0	584.9	589.8	597.6	603.5	605.4	605.4	605.4
160°	532.0	544.7	555.5	565.3	568.7	572.1	579.0	584.9	584.9	583.9	584.9
162.5°	523.1	532.9	541.7	550.6	553.5	556.4	560.4	565.3	565.3	564.3	565.3
165°	515.3	523.1	529.0	535.9	538.3	540.8	544.7	548.6	547.6	547.6	547.6
167.5°	507.5	514.3	519.2	523.1	525.1	527.1	529.0	532.0	531.0	531.0	531.0
170°	500.6	505.5	508.4	512.4	513.3	514.3	515.3	517.3	516.3	516.3	516.3
172.5°	493.7	497.7	499.6	502.6	503.0	503.5	503.5	505.5	503.5	502.6	503.5
175°	488.8	490.8	491.8	493.7	493.7	493.7	493.7	494.7	493.7	492.8	493.7
177.5°	484.9	485.9	486.9	487.9	487.9	487.9	486.9	487.9	485.9	485.9	485.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	836.6	838.9	832.8	831.3	831.3	834.3	832.0	811.6	815.4	810.9	809.4
5°	928.9	924.3	918.3	915.2	911.5	900.9	900.1	876.7	872.1	857.0	850.2
7.5°	1030.2	1026.4	1008.3	1006.0	1004.5	994.7	969.7	944.7	926.6	909.2	892.6
10°	1146.0	1134.6	1126.3	1109.6	1101.3	1087.7	1055.2	1031.7	1000.7	974.2	939.5
12.5°	1285.1	1272.3	1244.3	1232.2	1221.6	1183.8	1151.2	1124.8	1064.3	1046.1	1003.0
15°	1387.2	1360.0	1357.0	1330.5	1329.0	1287.4	1225.4	1196.6	1149.7	1083.2	1038.5
17.5°	1497.7	1473.5	1454.6	1422.8	1418.3	1378.9	1333.5	1263.2	1211.8	1148.2	1091.5
20°	1578.6	1565.8	1533.2	1520.4	1493.9	1460.6	1413.7	1326.7	1263.9	1200.4	1130.8
22.5°	1642.9	1630.0	1604.3	1586.9	1571.8	1528.7	1472.7	1398.6	1312.4	1229.2	1157.3
25°	1642.2	1638.4	1627.8	1619.5	1608.1	1576.3	1529.4	1458.3	1362.3	1270.8	1170.9
27.5°	1549.1	1559.7	1577.9	1586.9	1584.7	1580.1	1553.7	1493.9	1407.7	1298.7	1186.8
30°	1355.5	1394.1	1428.1	1473.5	1487.1	1520.4	1535.5	1501.5	1432.6	1331.3	1207.2
32.5°	1124.0	1180.0	1254.1	1279.1	1322.2	1386.5	1458.3	1471.2	1428.1	1350.2	1220.1
35°	922.1	968.2	1025.7	1065.0	1103.6	1208.0	1298.7	1377.4	1391.8	1340.3	1217.1
37.5°	763.2	795.7	846.4	879.7	915.2	1004.5	1131.6	1233.7	1305.6	1307.1	1208.7
40°	648.2	662.6	706.5	730.7	764.7	841.9	955.3	1088.5	1193.6	1242.0	1186.8
42.5°	549.1	568.1	604.4	622.5	644.5	711.8	786.7	913.0	1043.1	1146.7	1146.0
45°	490.1	503.8	520.4	535.5	560.5	600.6	686.1	780.6	905.4	1022.7	1068.8
47.5°	438.0	450.8	467.5	472.0	488.6	526.5	578.6	661.1	777.6	894.1	981.1
50°	394.1	404.7	416.0	424.3	431.9	462.9	502.3	571.8	664.9	777.6	885.7
52.5°	360.0	367.6	377.4	382.0	388.8	411.5	441.7	493.2	569.6	672.4	777.6
55°	328.3	333.6	339.6	347.2	350.2	366.9	390.3	434.2	490.9	583.2	683.0
57.5°	298.8	301.0	304.8	309.4	313.2	327.5	347.9	377.4	427.4	498.5	593.0
60°	265.5	271.5	273.8	278.4	280.6	292.0	307.9	332.8	371.4	432.7	503.8
62.5°	237.5	241.3	245.1	247.3	252.6	256.4	269.3	292.0	323.7	369.1	433.4
65°	212.5	214.1	216.3	218.6	220.1	224.7	236.8	251.9	276.1	316.2	366.1
67.5°	183.8	185.3	188.3	189.1	190.6	196.7	203.5	216.3	236.8	267.0	307.9
70°	155.8	158.1	159.6	161.1	163.4	165.7	173.2	183.8	199.7	220.9	252.6
72.5°	131.6	133.9	133.9	135.4	134.6	137.7	145.2	152.8	163.4	180.8	208.8
75°	107.4	107.4	108.9	109.7	110.4	113.5	116.5	122.5	130.9	144.5	161.9
77.5°	84.7	84.0	85.5	85.5	85.5	87.7	90.8	93.8	99.1	108.9	122.5
80°	62.0	62.0	63.5	64.3	62.8	63.5	65.1	68.1	71.9	78.7	86.2
82.5°	40.8	43.9	43.1	43.9	43.1	44.6	45.4	46.1	47.7	50.7	56.0
85°	25.0	25.0	25.0	25.7	25.0	25.7	25.7	25.7	26.5	28.0	30.3
87.5°	10.6	10.6	10.6	11.3	10.6	10.6	11.3	10.6	11.3	11.3	12.1
90°	28.4	27.4	28.4	27.4	26.5	25.5	24.5	23.5	24.5	21.6	18.6
92.5°	52.9	56.8	58.8	62.2	65.6	75.4	97.0	136.2	182.2	201.8	150.9
95°	124.4	133.2	151.8	169.4	187.1	239.0	352.7	471.2	580.9	517.3	356.6
97.5°	267.4	304.7	370.3	426.2	482.0	611.3	810.2	923.8	893.4	667.1	396.8
100°	651.5	723.0	821.9	891.4	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3
102.5°	1031.6	1084.5	1156.0	1193.7	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8
105°	1282.4	1319.6	1364.7	1377.4	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0
107.5°	1447.9	1465.6	1471.4	1458.2	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0
110°	1530.2	1522.4	1495.0	1460.7	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1536.1	1507.7	1451.8	1405.3	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7
115°	1491.0	1447.9	1374.5	1321.1	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5
117.5°	1410.7	1362.7	1286.3	1230.9	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2
120°	1327.4	1272.6	1195.2	1145.7	1096.2	978.7	846.4	708.3	575.1	465.3	389.9
122.5°	1238.3	1190.3	1123.7	1078.6	1033.5	926.8	810.2	685.8	568.2	472.2	404.6
125°	1163.8	1120.7	1058.0	1018.8	979.7	885.6	778.8	667.1	562.3	479.1	420.3
127.5°	1100.2	1062.9	1006.1	969.8	933.6	847.4	750.4	649.5	559.4	486.9	433.0
130°	1045.3	1010.0	958.1	924.8	891.5	812.1	724.0	635.8	556.4	494.7	445.7
132.5°	997.3	962.0	914.0	882.6	851.3	778.8	699.5	623.1	555.5	500.6	457.5
135°	944.4	915.0	867.0	839.1	811.2	747.5	677.9	612.3	554.5	506.5	467.3
137.5°	894.4	864.1	822.9	797.9	772.9	716.1	657.3	602.5	552.5	510.4	475.1
140°	843.5	816.1	778.8	757.8	736.7	689.7	639.7	593.7	551.5	514.3	481.0
142.5°	792.5	769.0	738.7	721.0	703.4	664.2	623.1	585.8	549.6	517.3	486.9
145°	747.5	726.9	702.4	688.2	674.0	642.7	610.3	579.0	547.6	518.2	490.8
147.5°	707.3	692.6	673.0	662.8	652.5	626.0	599.5	572.1	544.7	518.2	493.7
150°	675.0	664.2	649.5	640.2	630.9	610.3	587.8	565.3	540.8	518.2	494.7
152.5°	648.5	638.7	628.0	620.6	613.3	595.6	577.0	557.4	535.9	515.3	496.7
155°	625.0	617.2	608.4	602.5	596.6	581.9	566.2	549.6	530.0	513.3	496.7
157.5°	603.5	597.6	589.8	584.9	580.0	568.2	554.5	540.8	525.1	510.4	497.7
160°	584.9	579.0	572.1	568.7	565.3	555.5	544.7	532.0	519.2	508.4	497.7
162.5°	565.3	560.4	556.4	553.5	550.6	541.7	532.9	523.1	513.3	504.5	496.7
165°	548.6	544.7	540.8	538.3	535.9	529.0	523.1	515.3	507.5	500.6	494.7
167.5°	532.0	529.0	527.1	525.1	523.1	519.2	514.3	507.5	501.6	496.7	493.7
170°	517.3	515.3	514.3	513.3	512.4	508.4	505.5	500.6	495.7	492.8	490.8
172.5°	505.5	503.5	503.5	503.0	502.6	499.6	497.7	493.7	490.8	489.8	489.8
175°	494.7	493.7	493.7	493.7	493.7	491.8	490.8	488.8	486.9	486.9	487.9
177.5°	487.9	486.9	487.9	487.9	487.9	486.9	485.9	484.9	483.9	484.9	486.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	801.8	799.5	799.5	798.0	793.5	785.1	784.4	785.9	781.4	776.8	770.0
5°	841.1	826.7	822.2	817.7	808.6	793.5	787.4	782.1	773.8	764.0	753.4
7.5°	874.4	854.0	847.9	839.6	821.5	800.3	786.7	775.3	764.0	750.4	737.5
10°	916.0	886.5	872.1	860.0	835.1	805.6	785.1	768.5	750.4	733.7	717.1
12.5°	962.9	915.2	910.7	881.2	852.5	808.6	783.6	759.4	735.2	714.8	697.4
15°	1002.2	950.0	931.1	911.5	856.2	801.8	777.6	750.4	722.4	700.4	674.7
17.5°	1027.2	984.1	944.0	917.5	860.0	811.6	764.7	733.7	704.2	674.0	652.8
20°	1057.5	994.7	959.9	924.3	867.6	804.1	757.2	718.6	682.3	655.0	629.3
22.5°	1087.7	1003.0	974.2	935.7	869.1	796.5	743.5	705.0	663.4	636.1	608.1
25°	1084.7	1015.1	967.4	934.9	854.0	789.7	727.7	682.3	643.7	608.9	580.9
27.5°	1087.0	1001.5	953.1	915.2	843.4	779.9	711.0	663.4	623.3	587.0	557.5
30°	1087.7	981.1	938.7	893.3	823.7	756.4	692.1	643.7	601.3	562.0	535.5
32.5°	1085.4	964.4	911.5	870.6	792.7	733.7	670.2	618.7	575.6	539.3	514.4
35°	1080.1	944.7	883.5	832.0	760.9	701.2	649.8	596.8	550.7	517.4	488.6
37.5°	1065.8	923.6	854.0	803.3	723.9	663.4	618.0	574.1	529.5	490.1	465.9
40°	1055.2	894.8	824.5	769.3	683.8	624.8	587.0	545.4	501.5	465.9	442.5
42.5°	1031.0	867.6	794.2	728.4	644.5	583.9	548.4	515.1	477.3	442.5	421.3
45°	991.6	838.1	757.2	690.6	601.3	543.9	511.3	484.1	450.8	417.5	396.4
47.5°	936.4	795.7	717.8	651.3	559.0	500.7	468.2	447.8	421.3	393.3	375.2
50°	876.7	749.6	677.7	611.9	518.1	461.4	429.6	410.7	393.3	367.6	350.2
52.5°	798.8	700.4	631.6	568.8	474.3	419.8	391.8	378.2	360.0	341.9	326.8
55°	723.1	636.9	580.2	520.4	431.1	380.5	353.2	338.9	328.3	313.2	301.0
57.5°	635.4	577.9	525.7	471.2	391.1	344.9	319.2	301.8	295.0	288.2	276.8
60°	554.4	510.6	468.2	422.8	349.5	307.9	282.9	269.3	262.5	257.9	250.4
62.5°	480.3	446.3	410.0	373.7	307.1	269.3	250.4	236.8	230.7	229.9	223.1
65°	409.2	385.0	355.5	320.0	267.8	234.5	216.3	208.0	201.2	201.2	195.9
67.5°	338.1	321.5	298.0	273.1	232.2	201.2	184.6	177.0	173.2	173.2	169.4
70°	281.4	270.0	248.9	226.9	191.4	167.9	155.1	148.3	146.0	146.7	143.7
72.5°	228.4	216.3	198.9	183.0	156.6	139.2	130.1	122.5	118.8	119.5	118.8
75°	177.0	170.9	155.8	143.7	122.5	110.4	102.1	98.3	95.3	96.1	94.6
77.5°	133.1	124.1	115.7	107.4	94.6	84.7	77.9	74.1	71.9	71.9	71.9
80°	90.8	89.3	82.4	77.9	67.3	59.8	54.5	53.7	51.4	51.4	51.4
82.5°	59.0	55.2	51.4	48.4	42.4	37.8	35.6	34.0	33.3	32.5	34.0
85°	32.5	30.3	28.7	25.7	23.4	21.2	18.9	18.2	17.4	18.2	17.4
87.5°	12.9	10.6	10.6	9.8	9.1	8.3	8.3	6.8	6.8	6.1	6.1
90°	15.7	12.7	11.8	10.8	8.8	5.9	3.9	2.0	3.9	5.9	8.8
92.5°	98.9	67.6	58.8	50.0	40.2	31.3	21.6	14.7	21.6	31.3	40.2
95°	210.6	127.4	108.2	89.1	63.7	47.0	36.2	33.3	36.2	47.0	63.7
97.5°	227.3	145.0	124.0	102.9	77.4	62.7	53.9	52.9	53.9	62.7	77.4
100°	224.3	155.8	136.7	117.6	94.0	80.3	73.5	72.5	73.5	80.3	94.0
102.5°	228.3	168.5	151.4	134.2	113.6	100.9	95.0	93.1	95.0	100.9	113.6
105°	236.1	183.2	168.0	152.8	134.2	122.5	116.6	113.6	116.6	122.5	134.2
107.5°	248.8	201.8	187.6	173.4	155.8	144.0	138.1	135.2	138.1	144.0	155.8
110°	265.5	221.4	207.7	194.0	177.3	166.5	161.6	158.7	161.6	166.5	177.3

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	282.1	242.0	228.8	215.5	198.9	188.1	183.2	180.3	183.2	188.1	198.9
115°	300.8	263.5	250.3	237.1	220.4	210.6	204.7	200.8	204.7	210.6	220.4
117.5°	320.3	283.1	270.8	258.6	240.0	231.2	226.3	221.4	226.3	231.2	240.0
120°	339.0	303.7	291.4	279.2	260.6	250.8	245.9	243.0	245.9	250.8	260.6
122.5°	358.6	324.3	311.0	297.8	280.2	269.4	264.5	261.6	264.5	269.4	280.2
125°	377.2	342.9	329.6	316.4	297.8	287.0	281.2	279.2	281.2	287.0	297.8
127.5°	393.8	360.5	347.3	334.1	313.5	302.7	295.9	292.9	295.9	302.7	313.5
130°	408.5	376.2	363.0	349.7	329.2	317.4	308.6	305.7	308.6	317.4	329.2
132.5°	421.3	389.9	377.2	364.4	343.9	329.2	319.4	315.4	319.4	329.2	343.9
135°	434.0	403.6	390.4	377.2	356.6	341.9	331.1	327.2	331.1	341.9	356.6
137.5°	442.8	413.4	401.2	388.9	368.4	352.7	341.9	338.0	341.9	352.7	368.4
140°	451.6	423.2	411.0	398.7	379.1	363.5	353.7	348.8	353.7	363.5	379.1
142.5°	458.5	431.0	419.8	408.5	388.9	375.2	364.4	360.5	364.4	375.2	388.9
145°	464.4	438.9	427.6	416.4	399.7	385.0	376.2	373.2	376.2	385.0	399.7
147.5°	469.3	445.7	436.0	426.2	409.5	396.8	387.9	386.0	387.9	396.8	409.5
150°	474.2	451.6	442.8	434.0	420.3	407.5	399.7	398.7	399.7	407.5	420.3
152.5°	477.1	458.5	450.2	441.8	430.1	419.3	411.5	411.5	411.5	419.3	430.1
155°	481.0	464.4	457.5	450.6	439.9	430.1	424.2	424.2	424.2	430.1	439.9
157.5°	483.0	469.3	463.9	458.5	448.7	439.9	435.0	434.0	435.0	439.9	448.7
160°	485.9	474.2	469.3	464.4	457.5	449.7	445.7	445.7	445.7	449.7	457.5
162.5°	486.9	477.1	473.2	469.3	463.4	457.5	454.6	454.6	454.6	457.5	463.4
165°	487.9	480.0	476.6	473.2	469.3	464.4	462.4	463.4	462.4	464.4	469.3
167.5°	487.9	482.0	479.6	477.1	474.2	470.2	469.3	470.2	469.3	470.2	474.2
170°	486.9	482.0	481.0	480.0	478.1	475.1	474.2	476.1	474.2	475.1	478.1
172.5°	486.9	483.0	482.5	482.0	481.0	479.1	479.1	480.0	479.1	479.1	481.0
175°	485.9	483.9	483.4	483.0	483.0	481.0	482.0	483.0	482.0	481.0	483.0
177.5°	484.9	483.9	483.9	483.9	483.9	483.0	483.9	484.9	483.9	483.0	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	768.5	767.7	769.3	764.7	757.2	753.4	742.8	740.5	739.8	740.5	741.3
5°	747.3	746.6	744.3	736.7	727.7	720.9	708.0	707.2	702.7	698.2	700.4
7.5°	726.9	723.9	719.3	709.5	697.4	689.8	679.2	671.7	665.6	661.9	658.8
10°	706.5	701.9	697.4	684.5	669.4	658.1	645.2	639.2	632.4	629.3	626.3
12.5°	680.0	675.5	667.1	652.0	642.9	628.6	615.7	609.7	605.9	599.8	596.0
15°	658.8	649.8	645.2	629.3	610.4	608.9	585.5	583.9	576.4	576.4	570.3
17.5°	634.6	627.8	619.5	603.6	590.0	576.4	564.3	559.7	552.9	551.4	548.4
20°	611.2	602.1	599.1	583.2	568.8	552.2	539.3	534.8	531.8	528.7	531.0
22.5°	587.0	579.4	571.8	557.5	546.9	530.2	522.7	518.1	513.6	512.1	512.8
25°	563.5	556.7	549.1	534.8	523.4	509.8	503.0	500.7	498.5	498.5	497.7
27.5°	540.8	534.0	527.2	514.4	503.0	493.2	487.9	485.6	483.3	484.9	486.4
30°	517.4	511.3	505.3	493.9	484.9	475.8	472.8	471.2	470.5	474.3	474.3
32.5°	496.2	490.9	486.4	475.8	466.7	459.1	456.9	457.6	458.4	460.6	462.2
35°	474.3	470.5	465.9	456.9	449.3	442.5	443.3	443.3	444.8	448.5	451.6
37.5°	454.6	449.3	445.5	438.0	431.9	425.9	428.1	430.4	431.9	436.4	438.0
40°	431.1	428.9	425.9	418.3	413.0	412.2	413.0	414.5	417.5	419.8	422.1
42.5°	412.2	409.2	405.4	399.4	394.8	395.6	396.4	397.9	399.4	403.2	405.4
45°	391.1	388.8	385.8	380.5	376.7	377.4	378.2	378.2	379.7	384.3	385.8
47.5°	367.6	368.4	364.6	359.3	357.0	357.0	357.0	358.5	362.3	363.8	364.6
50°	344.9	343.4	342.7	337.4	335.8	335.1	335.8	336.6	341.9	341.1	343.4
52.5°	320.7	320.7	320.0	316.9	314.7	314.7	313.2	316.9	318.4	320.0	322.2
55°	297.3	295.0	294.2	292.7	289.7	288.9	290.5	295.0	296.5	298.0	300.3
57.5°	271.5	271.5	270.0	267.8	267.8	267.8	267.8	270.8	273.1	274.6	279.1
60°	248.1	245.1	242.8	242.8	242.8	242.0	246.6	246.6	251.1	251.9	253.4
62.5°	220.1	218.6	217.1	217.8	217.1	218.6	220.1	223.1	223.9	226.2	228.4
65°	193.6	193.6	192.1	196.7	193.6	193.6	197.4	197.4	198.9	201.2	204.2
67.5°	167.9	168.7	167.2	167.2	168.7	169.4	170.2	173.2	174.0	177.0	180.8
70°	141.4	143.0	143.7	142.2	143.7	145.2	146.7	147.5	150.5	152.0	154.3
72.5°	118.0	119.5	117.2	118.0	118.8	120.3	121.0	122.5	124.1	128.6	130.1
75°	94.6	93.8	93.0	96.1	94.6	97.6	98.3	98.3	99.8	103.6	105.1
77.5°	72.6	72.6	73.4	71.9	74.1	73.4	74.1	76.4	78.7	78.7	84.7
80°	50.7	52.2	52.2	52.2	52.9	53.7	52.2	56.0	56.7	56.7	59.0
82.5°	32.5	33.3	32.5	34.0	34.0	35.6	34.8	35.6	37.1	38.6	39.3
85°	17.4	17.4	18.9	18.9	18.2	18.9	18.2	18.9	20.4	20.4	21.2
87.5°	6.1	6.1	6.1	6.1	6.8	6.1	6.8	6.8	6.1	6.1	8.3
90°	10.8	11.8	12.7	15.7	18.6	21.6	24.5	23.5	24.5	25.5	26.5
92.5°	50.0	58.8	67.6	98.9	150.9	201.8	182.2	136.2	97.0	75.4	65.6
95°	89.1	108.2	127.4	210.6	356.6	517.3	580.9	471.2	352.7	239.0	187.1
97.5°	102.9	124.0	145.0	227.3	396.8	667.1	893.4	923.8	810.2	611.3	482.0
100°	117.6	136.7	155.8	224.3	369.3	627.0	927.7	1120.7	1155.0	1075.7	961.0
102.5°	134.2	151.4	168.5	228.3	345.8	568.2	864.1	1130.5	1269.6	1286.3	1231.4
105°	152.8	168.0	183.2	236.1	337.0	522.2	787.6	1068.8	1273.6	1371.5	1390.1
107.5°	173.4	187.6	201.8	248.8	335.0	488.8	720.0	980.6	1214.8	1368.6	1445.0
110°	194.0	207.7	221.4	265.5	339.9	471.2	664.2	898.3	1122.7	1302.9	1426.4

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	215.5	228.8	242.0	282.1	349.7	461.4	627.0	826.8	1031.6	1216.7	1358.8
115°	237.1	250.3	263.5	300.8	360.5	460.4	602.5	772.0	953.2	1123.7	1267.7
117.5°	258.6	270.8	283.1	320.3	374.2	461.4	585.8	735.7	892.5	1043.3	1175.6
120°	279.2	291.4	303.7	339.0	389.9	465.3	575.1	708.3	846.4	978.7	1096.2
122.5°	297.8	311.0	324.3	358.6	404.6	472.2	568.2	685.8	810.2	926.8	1033.5
125°	316.4	329.6	342.9	377.2	420.3	479.1	562.3	667.1	778.8	885.6	979.7
127.5°	334.1	347.3	360.5	393.8	433.0	486.9	559.4	649.5	750.4	847.4	933.6
130°	349.7	363.0	376.2	408.5	445.7	494.7	556.4	635.8	724.0	812.1	891.5
132.5°	364.4	377.2	389.9	421.3	457.5	500.6	555.5	623.1	699.5	778.8	851.3
135°	377.2	390.4	403.6	434.0	467.3	506.5	554.5	612.3	677.9	747.5	811.2
137.5°	388.9	401.2	413.4	442.8	475.1	510.4	552.5	602.5	657.3	716.1	772.9
140°	398.7	411.0	423.2	451.6	481.0	514.3	551.5	593.7	639.7	689.7	736.7
142.5°	408.5	419.8	431.0	458.5	486.9	517.3	549.6	585.8	623.1	664.2	703.4
145°	416.4	427.6	438.9	464.4	490.8	518.2	547.6	579.0	610.3	642.7	674.0
147.5°	426.2	436.0	445.7	469.3	493.7	518.2	544.7	572.1	599.5	626.0	652.5
150°	434.0	442.8	451.6	474.2	494.7	518.2	540.8	565.3	587.8	610.3	630.9
152.5°	441.8	450.2	458.5	477.1	496.7	515.3	535.9	557.4	577.0	595.6	613.3
155°	450.6	457.5	464.4	481.0	496.7	513.3	530.0	549.6	566.2	581.9	596.6
157.5°	458.5	463.9	469.3	483.0	497.7	510.4	525.1	540.8	554.5	568.2	580.0
160°	464.4	469.3	474.2	485.9	497.7	508.4	519.2	532.0	544.7	555.5	565.3
162.5°	469.3	473.2	477.1	486.9	496.7	504.5	513.3	523.1	532.9	541.7	550.6
165°	473.2	476.6	480.0	487.9	494.7	500.6	507.5	515.3	523.1	529.0	535.9
167.5°	477.1	479.6	482.0	487.9	493.7	496.7	501.6	507.5	514.3	519.2	523.1
170°	480.0	481.0	482.0	486.9	490.8	492.8	495.7	500.6	505.5	508.4	512.4
172.5°	482.0	482.5	483.0	486.9	489.8	489.8	490.8	493.7	497.7	499.6	502.6
175°	483.0	483.4	483.9	485.9	487.9	486.9	486.9	488.8	490.8	491.8	493.7
177.5°	483.9	483.9	483.9	484.9	486.9	484.9	483.9	484.9	485.9	486.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	740.5	741.3	738.2	736.0	742.0	738.2	738.2	739.0	737.5	739.8	739.0
5°	698.9	699.7	694.4	695.9	692.9	692.1	691.4	695.9	695.1	694.4	695.9
7.5°	658.1	658.1	655.8	654.3	654.3	652.0	655.0	654.3	655.8	655.8	658.1
10°	624.0	625.5	621.8	618.0	617.2	618.0	618.0	618.7	619.5	624.8	624.0
12.5°	596.0	593.8	593.0	590.8	587.0	585.5	583.9	592.3	590.0	590.0	590.0
15°	565.0	570.3	569.6	562.8	561.3	564.3	562.8	562.8	570.3	569.6	568.8
17.5°	548.4	546.9	545.4	541.6	542.3	541.6	542.3	542.3	546.9	546.9	546.9
20°	529.5	526.5	526.5	524.9	524.9	522.7	525.7	526.5	529.5	529.5	530.2
22.5°	512.8	510.6	510.6	509.8	511.3	508.3	511.3	512.1	512.1	514.4	514.4
25°	498.5	497.0	497.0	498.5	498.5	498.5	498.5	501.5	499.2	500.0	499.2
27.5°	485.6	486.4	487.1	487.9	487.1	487.9	488.6	490.1	490.9	490.1	488.6
30°	473.5	475.8	476.5	476.5	478.0	478.8	479.6	479.6	480.3	478.0	479.6
32.5°	464.4	464.4	465.9	466.7	468.2	469.0	469.0	470.5	469.7	467.5	468.2
35°	451.6	451.6	454.6	456.1	458.4	457.6	458.4	458.4	459.1	457.6	455.4
37.5°	438.7	440.2	440.2	443.3	444.0	444.8	444.0	445.5	444.8	443.3	442.5
40°	423.6	422.8	423.6	425.9	426.6	426.6	426.6	428.1	428.1	428.1	427.4
42.5°	404.7	406.9	406.2	408.5	407.7	407.7	409.2	410.7	411.5	409.2	410.0
45°	386.5	386.5	388.0	388.0	388.8	388.8	391.8	390.3	391.8	390.3	391.1
47.5°	366.9	367.6	367.6	368.4	369.9	371.4	369.9	370.6	370.6	371.4	369.9
50°	344.9	344.9	346.4	348.7	351.7	350.2	349.5	352.5	350.2	350.2	348.7
52.5°	322.2	324.5	325.3	327.5	329.8	330.5	331.3	329.8	330.5	328.3	329.0
55°	300.3	301.0	304.1	306.3	308.6	308.6	307.9	308.6	309.4	306.3	306.3
57.5°	278.4	280.6	283.7	283.7	286.7	286.7	285.9	285.9	286.7	284.4	283.7
60°	254.9	257.2	261.0	261.0	265.5	266.3	264.7	263.2	263.2	261.0	261.7
62.5°	229.9	232.2	234.5	238.3	241.3	239.8	242.8	239.8	240.5	236.0	236.0
65°	208.0	208.8	212.5	216.3	216.3	217.8	216.3	217.1	214.8	214.8	211.8
67.5°	182.3	182.3	186.1	189.9	193.6	193.6	193.6	191.4	191.4	189.1	189.1
70°	159.6	158.8	162.6	164.9	167.2	167.9	166.4	165.7	164.1	161.9	161.1
72.5°	131.6	133.1	136.9	138.4	142.2	141.4	145.2	140.7	140.7	136.9	136.2
75°	106.7	108.2	111.9	114.2	116.5	116.5	118.8	116.5	113.5	111.9	111.2
77.5°	84.7	84.0	87.0	90.8	91.5	90.8	92.3	91.5	88.5	88.5	87.0
80°	60.5	62.8	65.8	65.1	68.1	67.3	67.3	65.8	65.8	63.5	65.1
82.5°	40.1	42.4	43.1	42.4	43.1	44.6	45.4	44.6	44.6	43.1	43.9
85°	21.2	21.2	22.7	23.4	22.7	22.7	23.4	25.7	24.2	22.7	24.2
87.5°	6.8	6.1	6.1	6.8	6.1	6.1	6.8	6.8	7.6	7.6	7.6
90°	27.4	28.4	27.4	28.4	29.4	28.4	29.4	28.4	27.4	28.4	27.4
92.5°	62.2	58.8	56.8	52.9	53.9	51.9	53.9	52.9	56.8	58.8	62.2
95°	169.4	151.8	133.2	124.4	117.6	113.6	117.6	124.4	133.2	151.8	169.4
97.5°	426.2	370.3	304.7	267.4	243.9	233.2	243.9	267.4	304.7	370.3	426.2
100°	891.4	821.9	723.0	651.5	613.3	614.2	613.3	651.5	723.0	821.9	891.4
102.5°	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2	1031.6	1084.5	1156.0	1193.7
105°	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0	1282.4	1319.6	1364.7	1377.4
107.5°	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2	1447.9	1465.6	1471.4	1458.2
110°	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3	1530.2	1522.4	1495.0	1460.7

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9	1536.1	1507.7	1451.8	1405.3
115°	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6	1491.0	1447.9	1374.5	1321.1
117.5°	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1	1410.7	1362.7	1286.3	1230.9
120°	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9	1327.4	1272.6	1195.2	1145.7
122.5°	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7	1238.3	1190.3	1123.7	1078.6
125°	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3	1163.8	1120.7	1058.0	1018.8
127.5°	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7	1100.2	1062.9	1006.1	969.8
130°	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9	1045.3	1010.0	958.1	924.8
132.5°	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9	997.3	962.0	914.0	882.6
135°	839.1	867.0	915.0	944.4	962.0	968.9	962.0	944.4	915.0	867.0	839.1
137.5°	797.9	822.9	864.1	894.4	909.1	915.0	909.1	894.4	864.1	822.9	797.9
140°	757.8	778.8	816.1	843.5	859.2	858.2	859.2	843.5	816.1	778.8	757.8
142.5°	721.0	738.7	769.0	792.5	806.3	805.3	806.3	792.5	769.0	738.7	721.0
145°	688.2	702.4	726.9	747.5	755.3	757.3	755.3	747.5	726.9	702.4	688.2
147.5°	662.8	673.0	692.6	707.3	715.1	716.1	715.1	707.3	692.6	673.0	662.8
150°	640.2	649.5	664.2	675.0	680.9	680.9	680.9	675.0	664.2	649.5	640.2
152.5°	620.6	628.0	638.7	648.5	651.5	651.5	651.5	648.5	638.7	628.0	620.6
155°	602.5	608.4	617.2	625.0	627.0	628.0	627.0	625.0	617.2	608.4	602.5
157.5°	584.9	589.8	597.6	603.5	605.4	605.4	605.4	603.5	597.6	589.8	584.9
160°	568.7	572.1	579.0	584.9	584.9	583.9	584.9	584.9	579.0	572.1	568.7
162.5°	553.5	556.4	560.4	565.3	565.3	564.3	565.3	565.3	560.4	556.4	553.5
165°	538.3	540.8	544.7	548.6	547.6	547.6	547.6	548.6	544.7	540.8	538.3
167.5°	525.1	527.1	529.0	532.0	531.0	531.0	531.0	532.0	529.0	527.1	525.1
170°	513.3	514.3	515.3	517.3	516.3	516.3	516.3	517.3	515.3	514.3	513.3
172.5°	503.0	503.5	503.5	505.5	503.5	502.6	503.5	505.5	503.5	503.5	503.0
175°	493.7	493.7	493.7	494.7	493.7	492.8	493.7	494.7	493.7	493.7	493.7
177.5°	487.9	487.9	486.9	487.9	485.9	485.9	485.9	487.9	486.9	487.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	741.3	742.8	743.5	740.5	738.2	742.0	747.3	751.1	754.1	757.9	760.2
5°	697.4	702.7	702.7	704.2	706.5	710.3	720.1	726.9	733.0	737.5	741.3
7.5°	660.3	664.1	666.4	670.2	674.0	679.2	690.6	700.4	709.5	714.8	720.9
10°	627.1	630.1	633.9	636.1	642.9	650.5	664.9	673.2	683.8	692.1	699.7
12.5°	595.3	605.9	608.1	607.4	613.4	621.8	636.1	649.0	660.3	668.7	677.0
15°	572.6	576.4	580.9	580.2	593.0	595.3	607.4	622.5	637.6	642.9	650.5
17.5°	547.6	553.7	558.2	560.5	564.3	572.6	583.9	595.3	615.0	615.7	635.4
20°	528.0	534.0	537.0	540.1	542.3	552.2	562.0	574.9	590.8	599.1	609.7
22.5°	515.1	518.1	520.4	522.7	525.7	531.0	543.1	557.5	568.1	577.1	583.9
25°	500.0	503.0	506.0	507.5	509.8	512.8	521.9	533.3	548.4	554.4	561.3
27.5°	489.4	489.4	490.9	490.9	493.9	497.0	503.8	514.4	526.5	534.0	543.1
30°	478.0	477.3	478.0	477.3	476.5	481.1	487.1	496.2	504.5	513.6	519.6
32.5°	466.7	465.9	465.9	466.7	463.7	465.9	469.0	477.3	486.4	490.9	497.7
35°	454.6	453.1	453.1	453.1	451.6	450.1	453.1	460.6	466.7	472.8	478.0
37.5°	442.5	440.2	440.2	438.7	437.2	434.9	434.9	441.0	449.3	451.6	458.4
40°	425.9	425.9	424.3	423.6	422.1	420.6	418.3	423.6	431.1	433.4	438.7
42.5°	409.2	406.9	406.2	406.2	406.2	403.9	402.4	406.2	410.7	414.5	417.5
45°	390.3	388.8	389.5	388.8	387.3	386.5	385.8	387.3	392.6	394.1	397.9
47.5°	369.9	369.1	369.1	368.4	367.6	368.4	365.3	369.1	370.6	372.2	375.2
50°	348.7	347.9	347.2	346.4	346.4	347.2	346.4	346.4	349.5	351.0	354.0
52.5°	327.5	325.3	325.3	324.5	324.5	323.0	324.5	325.3	326.8	328.3	329.8
55°	304.8	304.8	302.6	302.6	301.0	301.0	301.8	301.0	304.1	305.6	305.6
57.5°	282.9	279.9	280.6	279.1	277.6	276.8	276.8	278.4	279.9	279.9	281.4
60°	259.4	256.4	255.7	252.6	254.2	251.9	252.6	252.6	255.7	254.2	255.7
62.5°	236.0	232.2	229.9	228.4	228.4	229.2	227.7	226.9	228.4	229.9	233.0
65°	211.0	208.8	206.5	204.2	204.2	203.5	205.0	202.7	202.0	202.7	204.2
67.5°	185.3	183.0	180.8	178.5	179.3	177.0	175.5	177.8	176.2	177.0	178.5
70°	160.4	158.8	154.3	152.8	152.0	152.8	152.0	150.5	152.8	152.0	152.8
72.5°	135.4	133.9	131.6	127.8	127.8	127.1	126.3	126.3	125.6	125.6	125.6
75°	111.2	108.2	105.9	105.1	103.6	102.9	102.1	100.6	101.4	102.1	100.6
77.5°	86.2	82.4	81.7	81.7	79.4	79.4	80.2	79.4	78.7	78.7	78.7
80°	63.5	60.5	60.5	59.0	57.5	57.5	57.5	57.5	56.7	56.0	56.7
82.5°	40.8	40.1	39.3	39.3	40.8	37.8	39.3	38.6	37.8	37.8	37.1
85°	22.7	23.4	22.7	23.4	21.9	22.7	22.7	22.7	21.9	22.7	21.2
87.5°	8.3	8.3	8.3	9.1	9.1	9.1	9.1	9.1	9.8	9.1	9.1
90°	26.5	25.5	24.5	23.5	24.5	21.6	18.6	15.7	12.7	11.8	10.8
92.5°	65.6	75.4	97.0	136.2	182.2	201.8	150.9	98.9	67.6	58.8	50.0
95°	187.1	239.0	352.7	471.2	580.9	517.3	356.6	210.6	127.4	108.2	89.1
97.5°	482.0	611.3	810.2	923.8	893.4	667.1	396.8	227.3	145.0	124.0	102.9
100°	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3	224.3	155.8	136.7	117.6
102.5°	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8	228.3	168.5	151.4	134.2
105°	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0	236.1	183.2	168.0	152.8
107.5°	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0	248.8	201.8	187.6	173.4
110°	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9	265.5	221.4	207.7	194.0

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7	282.1	242.0	228.8	215.5
115°	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5	300.8	263.5	250.3	237.1
117.5°	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2	320.3	283.1	270.8	258.6
120°	1096.2	978.7	846.4	708.3	575.1	465.3	389.9	339.0	303.7	291.4	279.2
122.5°	1033.5	926.8	810.2	685.8	568.2	472.2	404.6	358.6	324.3	311.0	297.8
125°	979.7	885.6	778.8	667.1	562.3	479.1	420.3	377.2	342.9	329.6	316.4
127.5°	933.6	847.4	750.4	649.5	559.4	486.9	433.0	393.8	360.5	347.3	334.1
130°	891.5	812.1	724.0	635.8	556.4	494.7	445.7	408.5	376.2	363.0	349.7
132.5°	851.3	778.8	699.5	623.1	555.5	500.6	457.5	421.3	389.9	377.2	364.4
135°	811.2	747.5	677.9	612.3	554.5	506.5	467.3	434.0	403.6	390.4	377.2
137.5°	772.9	716.1	657.3	602.5	552.5	510.4	475.1	442.8	413.4	401.2	388.9
140°	736.7	689.7	639.7	593.7	551.5	514.3	481.0	451.6	423.2	411.0	398.7
142.5°	703.4	664.2	623.1	585.8	549.6	517.3	486.9	458.5	431.0	419.8	408.5
145°	674.0	642.7	610.3	579.0	547.6	518.2	490.8	464.4	438.9	427.6	416.4
147.5°	652.5	626.0	599.5	572.1	544.7	518.2	493.7	469.3	445.7	436.0	426.2
150°	630.9	610.3	587.8	565.3	540.8	518.2	494.7	474.2	451.6	442.8	434.0
152.5°	613.3	595.6	577.0	557.4	535.9	515.3	496.7	477.1	458.5	450.2	441.8
155°	596.6	581.9	566.2	549.6	530.0	513.3	496.7	481.0	464.4	457.5	450.6
157.5°	580.0	568.2	554.5	540.8	525.1	510.4	497.7	483.0	469.3	463.9	458.5
160°	565.3	555.5	544.7	532.0	519.2	508.4	497.7	485.9	474.2	469.3	464.4
162.5°	550.6	541.7	532.9	523.1	513.3	504.5	496.7	486.9	477.1	473.2	469.3
165°	535.9	529.0	523.1	515.3	507.5	500.6	494.7	487.9	480.0	476.6	473.2
167.5°	523.1	519.2	514.3	507.5	501.6	496.7	493.7	487.9	482.0	479.6	477.1
170°	512.4	508.4	505.5	500.6	495.7	492.8	490.8	486.9	482.0	481.0	480.0
172.5°	502.6	499.6	497.7	493.7	490.8	489.8	489.8	486.9	483.0	482.5	482.0
175°	493.7	491.8	490.8	488.8	486.9	486.9	487.9	485.9	483.9	483.4	483.0
177.5°	487.9	486.9	485.9	484.9	483.9	484.9	486.9	484.9	483.9	483.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	780.6	780.6	780.6	780.6
2.5°	764.0	766.2	773.8	782.9
5°	748.8	754.9	765.5	779.9
7.5°	732.2	741.3	756.4	774.6
10°	713.3	726.1	745.1	767.7
12.5°	692.9	709.5	733.7	757.2
15°	680.0	696.6	718.6	744.3
17.5°	655.0	674.7	697.4	733.7
20°	629.3	651.3	680.8	717.1
22.5°	609.7	633.1	661.1	699.7
25°	586.2	610.4	640.7	680.8
27.5°	561.3	585.5	619.5	661.9
30°	542.3	565.8	598.3	643.7
32.5°	519.6	542.3	576.4	624.0
35°	493.9	519.6	552.2	600.6
37.5°	474.3	497.7	531.8	577.9
40°	453.1	473.5	506.8	552.2
42.5°	430.4	453.1	481.8	527.2
45°	409.2	425.9	455.4	498.5
47.5°	386.5	405.4	428.1	461.4
50°	362.3	378.2	403.2	425.9
52.5°	338.9	351.7	372.9	390.3
55°	313.9	326.8	342.7	353.2
57.5°	290.5	299.5	310.1	316.9
60°	261.7	270.8	277.6	284.4
62.5°	236.0	242.8	246.6	250.4
65°	209.5	213.3	215.6	218.6
67.5°	180.8	184.6	185.3	189.9
70°	154.3	155.1	156.6	158.8
72.5°	129.3	130.9	130.1	131.6
75°	103.6	105.1	103.6	105.1
77.5°	78.7	80.2	80.2	82.4
80°	56.7	57.5	58.2	58.2
82.5°	37.1	39.3	37.8	38.6
85°	21.2	21.9	21.9	22.7
87.5°	9.8	10.6	9.8	11.3
90°	8.8	5.9	3.9	2.0
92.5°	40.2	31.3	21.6	14.7
95°	63.7	47.0	36.2	33.3
97.5°	77.4	62.7	53.9	52.9
100°	94.0	80.3	73.5	72.5
102.5°	113.6	100.9	95.0	93.1
105°	134.2	122.5	116.6	113.6
107.5°	155.8	144.0	138.1	135.2
110°	177.3	166.5	161.6	158.7



TEST NUMBER: P1011678

CATALOG NUMBER: S123DIP-B560D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	198.9	188.1	183.2	180.3
115°	220.4	210.6	204.7	200.8
117.5°	240.0	231.2	226.3	221.4
120°	260.6	250.8	245.9	243.0
122.5°	280.2	269.4	264.5	261.6
125°	297.8	287.0	281.2	279.2
127.5°	313.5	302.7	295.9	292.9
130°	329.2	317.4	308.6	305.7
132.5°	343.9	329.2	319.4	315.4
135°	356.6	341.9	331.1	327.2
137.5°	368.4	352.7	341.9	338.0
140°	379.1	363.5	353.7	348.8
142.5°	388.9	375.2	364.4	360.5
145°	399.7	385.0	376.2	373.2
147.5°	409.5	396.8	387.9	386.0
150°	420.3	407.5	399.7	398.7
152.5°	430.1	419.3	411.5	411.5
155°	439.9	430.1	424.2	424.2
157.5°	448.7	439.9	435.0	434.0
160°	457.5	449.7	445.7	445.7
162.5°	463.4	457.5	454.6	454.6
165°	469.3	464.4	462.4	463.4
167.5°	474.2	470.2	469.3	470.2
170°	478.1	475.1	474.2	476.1
172.5°	481.0	479.1	479.1	480.0
175°	483.0	481.0	482.0	483.0
177.5°	483.9	483.0	483.9	484.9
180°	483.9	483.9	483.9	483.9

(END OF REPORT)