

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331973-930

Luminaire Tested: **S123DIP-S775D805U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331973-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D805U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5277.6 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

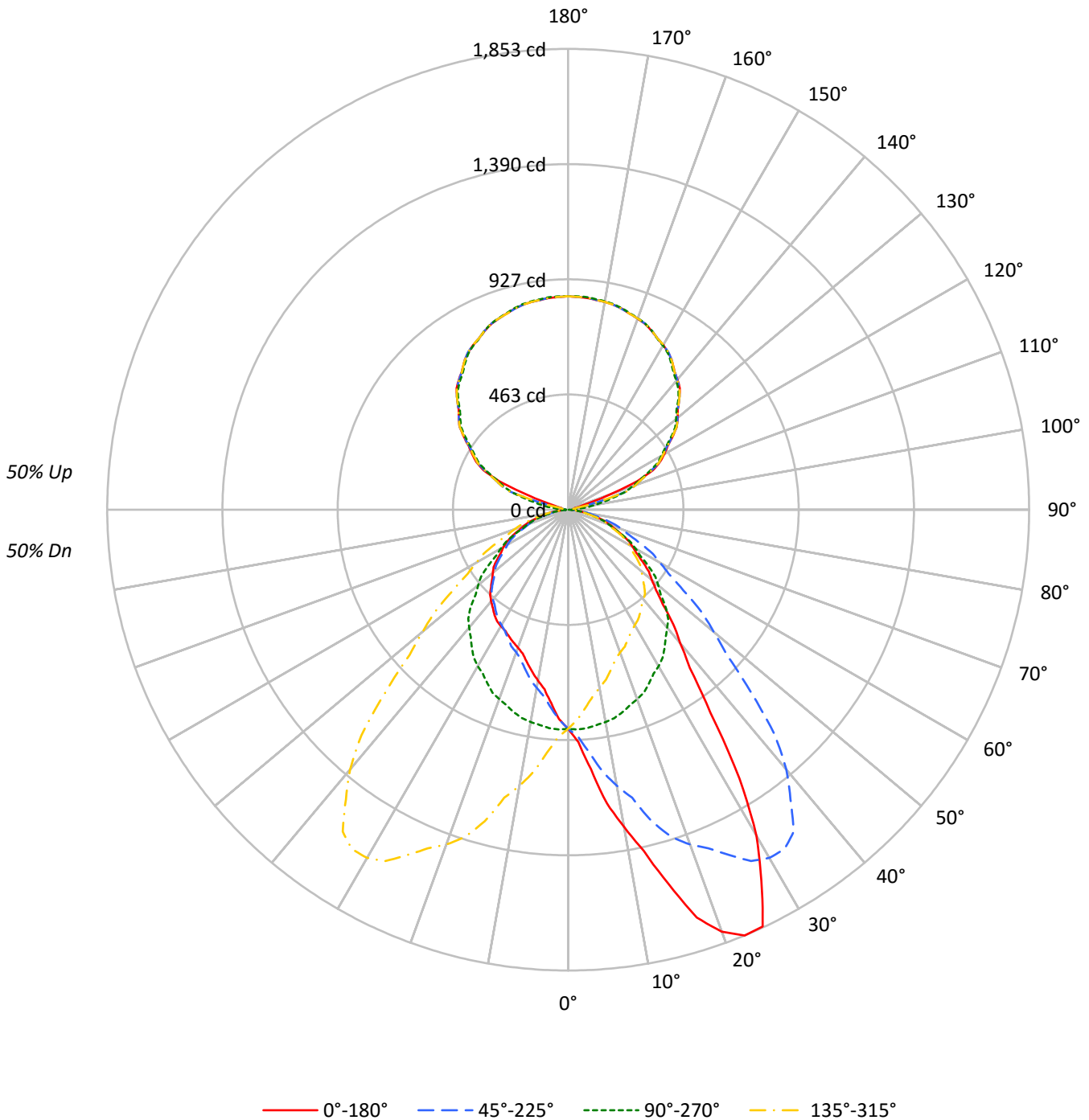
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50																												
1	98	94	90	87	90	87	84	81	74	71	69	62	60	58	50	49	48	43																												
2	90	82	76	71	82	76	71	67	65	61	58	54	52	49	45	43	41	36																												
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31																												
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	30	27																												
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23																												
6	63	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	24	21																												
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	23	21	18																												
8	54	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	16																												
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	15																												
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9482	9482	9482	9482
5°	11309	9524	8440	9524
10°	14154	9475	7623	9475
15°	17361	9399	7096	9399
20°	20681	9279	6757	9279
25°	21960	9136	6682	9136
30°	18821	9028	6717	9028
35°	13090	8878	6787	8878
40°	9860	8702	6764	8702
45°	8187	8441	6680	8441
50°	7333	7906	6620	7906
55°	6855	7328	6536	7328
60°	6433	6725	6469	6725
65°	6044	6133	6260	6133
70°	5668	5454	5964	5454
75°	5078	4774	5465	4774
80°	4444	3918	4711	3918
85°	3483	2853	3162	2853



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	1.6
10°-20°	278.3	5.3
20°-30°	467.0	8.8
30°-40°	528.8	10.0
40°-50°	474.2	9.0
50°-60°	382.7	7.3
60°-70°	266.7	5.1
70°-80°	140.2	2.7
80°-90°	36.7	0.7
90°-100°	31.2	0.6
100°-110°	148.7	2.8
110°-120°	357.1	6.8
120°-130°	454.7	8.6
130°-140°	485.8	9.2
140°-150°	454.3	8.6
150°-160°	366.5	6.9
160°-170°	236.5	4.5
170°-180°	81.5	1.5
0°-30°	832.1	15.8
0°-40°	1360.9	25.8
0°-60°	2217.8	42.0
0°-90°	2661.3	50.4
90°-120°	536.9	10.2
90°-150°	1931.8	36.6
90°-180°	2616.0	49.6
0°-180°	5277.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	881	881	881	881	881	
5°	1047	881	781	881	1047	108
15°	1558	843	637	843	1558	450
25°	1849	769	563	769	1849	811
35°	996	676	516	676	996	647
45°	538	554	439	554	538	426
55°	365	390	348	390	365	328
65°	237	241	246	241	237	236
75°	122	115	131	115	122	131
85°	28	23	26	23	28	34
90°	19	1	19	1	19	10
95°	24	39	24	39	24	20
105°	28	190	28	190	28	64
115°	375	356	375	356	375	346
125°	512	502	512	502	512	458
135°	632	625	632	625	632	487
145°	729	722	729	722	729	455
155°	794	795	794	795	794	366
165°	836	838	836	838	836	236
175°	855	858	855	858	855	81
180°	858	858	858	858	858	



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	934.9	934.3	932.5	933.9	931.2	927.4	927.1	923.7	913.7	913.1	910.4
5°	1046.6	1043.2	1042.8	1042.3	1036.3	1028.3	1012.8	1011.5	991.1	980.8	968.5
7.5°	1191.2	1192.9	1186.7	1181.3	1163.0	1151.0	1134.5	1113.4	1088.3	1062.7	1045.7
10°	1295.0	1309.0	1291.6	1279.6	1268.5	1247.6	1223.3	1192.9	1162.7	1127.2	1100.3
12.5°	1406.3	1413.2	1409.7	1398.5	1381.2	1349.4	1306.3	1272.8	1245.0	1185.9	1162.1
15°	1557.9	1584.0	1567.3	1528.8	1529.7	1499.4	1443.1	1381.2	1348.3	1296.7	1226.3
17.5°	1719.4	1722.6	1715.6	1683.6	1662.2	1620.6	1568.6	1509.3	1442.7	1380.1	1305.5
20°	1805.5	1802.9	1788.0	1771.3	1734.6	1702.2	1645.4	1579.2	1493.9	1432.4	1350.9
22.5°	1853.3	1849.0	1841.9	1828.0	1797.4	1762.6	1711.6	1639.3	1558.1	1473.4	1379.2
25°	1849.0	1854.6	1855.4	1851.5	1840.9	1820.0	1779.9	1722.2	1641.1	1532.3	1434.1
27.5°	1681.7	1689.5	1712.4	1732.6	1755.2	1778.2	1775.2	1746.5	1686.5	1592.6	1472.5
30°	1514.3	1497.3	1539.5	1592.9	1629.2	1693.2	1729.1	1731.2	1697.5	1616.8	1499.8
32.5°	1282.1	1301.0	1319.6	1385.3	1464.6	1536.5	1607.9	1665.3	1671.9	1618.2	1515.9
35°	996.2	1019.7	1053.9	1087.9	1173.4	1246.8	1372.2	1481.5	1568.6	1580.1	1517.4
37.5°	802.7	814.4	836.0	870.2	926.0	1013.1	1110.2	1248.3	1374.4	1468.3	1472.3
40°	701.7	705.2	729.4	755.5	800.7	872.5	959.9	1082.0	1233.1	1364.2	1418.8
42.5°	625.9	633.4	643.8	668.7	704.7	758.7	840.1	940.9	1079.5	1230.3	1337.2
45°	537.8	546.3	552.8	569.4	595.0	631.3	688.0	780.2	885.7	1041.5	1185.3
47.5°	479.6	480.3	485.0	497.6	515.0	542.3	582.4	641.6	738.4	864.7	1012.4
50°	437.9	444.7	446.5	456.2	469.9	490.0	523.3	573.6	653.1	764.0	899.8
52.5°	408.5	410.6	415.4	422.5	434.4	450.0	478.9	518.4	580.7	675.2	800.1
55°	365.3	365.3	370.1	375.6	382.5	396.5	415.7	444.7	492.1	565.6	668.9
57.5°	325.4	327.5	330.8	332.6	338.3	347.7	363.7	385.8	421.1	477.6	559.7
60°	298.8	302.6	302.2	305.6	310.7	318.0	331.7	349.6	381.2	426.4	495.5
62.5°	275.6	275.3	275.2	279.3	284.5	291.4	300.2	315.8	342.6	382.7	441.6
65°	237.3	236.4	239.5	242.0	243.7	248.8	255.7	269.3	287.2	317.2	362.8
67.5°	203.3	200.9	202.5	203.3	206.3	210.3	216.6	225.1	239.4	263.3	297.7
70°	180.1	178.0	177.6	178.4	181.0	183.9	188.7	196.7	210.0	229.2	254.4
72.5°	156.2	154.7	154.7	156.5	157.8	159.7	163.1	170.5	181.0	195.4	218.9
75°	122.1	122.1	122.1	122.5	123.8	125.5	128.1	131.9	140.0	150.3	166.0
77.5°	91.5	91.4	90.9	90.8	92.7	93.5	94.1	97.7	102.2	109.1	120.6
80°	71.7	69.5	70.4	71.7	72.6	73.0	74.3	75.1	79.0	82.8	90.9
82.5°	53.2	51.4	51.6	53.6	53.8	54.2	55.5	56.7	58.1	61.6	66.0
85°	28.2	28.2	28.6	28.6	29.0	28.6	29.8	30.3	30.3	32.4	35.0
87.5°	14.1	13.3	13.6	13.9	13.5	13.8	14.0	14.2	14.4	14.7	14.7
90°	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	13.5
92.5°	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1	17.2	16.3	14.9
95°	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8	20.8	19.7	18.2
97.5°	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8	21.7	20.5	30.7
100°	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3	22.2	21.0	43.1
102.5°	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9	38.4	41.9	66.0
105°	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4	114.5	139.6	152.3
107.5°	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1	237.5	255.8	253.8
110°	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1	282.8	287.5	285.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8	319.7	319.6	318.0
115°	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7	367.3	365.9	364.6
117.5°	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0	411.9	410.7	410.1
120°	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1	440.9	439.8	439.4
122.5°	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4	469.7	468.9	468.3
125°	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5	510.2	509.9	509.3
127.5°	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6	550.2	549.7	549.0
130°	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8	574.2	573.6	573.1
132.5°	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7	597.2	596.6	596.1
135°	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5	632.1	631.7	631.1
137.5°	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5	662.8	662.1	661.8
140°	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1	682.6	682.0	681.6
142.5°	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8	701.3	700.9	700.4
145°	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8	727.6	727.2	727.0
147.5°	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1	750.9	750.6	750.3
150°	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4	765.2	764.9	764.6
152.5°	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1	777.6	777.1	777.0
155°	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7	794.9	794.2	794.0
157.5°	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8	810.0	809.1	809.3
160°	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5	818.6	817.7	817.9
162.5°	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4	826.4	825.4	825.6
165°	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9	836.7	835.6	835.8
167.5°	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0	844.9	843.8	843.8
170°	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6	849.5	848.4	848.4
172.5°	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7	852.6	851.4	851.3
175°	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4	856.4	855.4	855.2
177.5°	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8	857.9	856.9	856.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	908.2	905.6	902.8	898.1	894.0	888.1	886.4	884.4	878.2	872.8	868.7
5°	963.8	953.5	938.6	925.0	913.9	898.9	890.4	881.4	868.6	857.0	847.7
7.5°	1021.8	1001.7	978.4	953.3	929.9	907.4	889.2	873.0	855.1	838.1	824.9
10°	1067.9	1038.9	1006.5	971.4	941.6	912.6	888.2	866.9	843.8	823.8	807.1
12.5°	1120.5	1077.5	1032.7	990.3	954.9	914.6	885.2	858.0	831.8	807.7	789.0
15°	1182.8	1128.1	1075.1	1016.7	963.0	912.6	877.6	843.4	813.1	788.3	764.4
17.5°	1239.4	1177.5	1107.7	1036.7	971.8	912.1	863.1	824.4	786.5	756.3	732.5
20°	1271.5	1201.1	1122.1	1048.3	976.6	910.0	856.2	810.1	769.2	737.1	710.2
22.5°	1299.2	1216.8	1135.1	1056.1	976.2	904.5	843.6	796.1	751.7	720.4	691.8
25°	1327.9	1229.2	1147.3	1054.7	965.5	891.2	822.9	769.2	724.7	688.0	658.6
27.5°	1352.4	1228.4	1131.1	1031.5	948.6	874.2	801.2	743.6	696.4	656.6	626.6
30°	1368.8	1230.1	1114.4	1015.9	932.2	855.3	784.5	726.4	676.9	636.4	608.2
32.5°	1379.1	1229.1	1099.1	994.0	906.2	838.3	766.4	706.3	655.4	615.6	588.4
35°	1385.0	1221.6	1072.6	948.8	864.3	798.2	738.0	675.6	622.3	585.1	554.5
37.5°	1373.1	1205.7	1041.9	905.3	812.8	747.6	697.0	643.9	592.9	552.0	525.5
40°	1354.3	1195.6	1018.0	874.6	777.2	714.5	671.4	619.3	568.9	530.1	505.3
42.5°	1318.4	1174.7	991.6	840.4	740.4	677.6	638.0	594.4	546.7	510.3	485.6
45°	1230.9	1129.4	952.3	789.2	685.9	621.0	586.0	554.5	511.4	475.9	454.5
47.5°	1109.5	1061.2	895.2	735.2	629.1	566.6	530.3	504.8	473.4	444.7	424.3
50°	1025.2	1005.2	856.6	698.3	591.2	530.1	495.1	472.1	449.5	420.9	402.1
52.5°	927.9	940.3	811.5	660.1	552.5	492.5	459.6	441.3	420.8	397.3	380.9
55°	790.9	835.7	733.7	595.8	495.1	437.9	406.8	390.5	378.6	361.1	347.0
57.5°	662.6	719.7	649.5	529.7	438.7	389.4	359.5	341.8	334.1	325.0	313.9
60°	586.4	642.8	589.5	485.3	400.8	353.8	327.3	312.4	304.8	298.3	288.9
62.5°	518.5	575.5	530.7	440.3	363.5	320.0	297.0	282.4	276.4	273.0	265.1
65°	425.1	474.2	444.3	370.1	310.3	271.9	250.9	240.8	235.2	233.9	228.8
67.5°	346.0	383.4	361.6	307.0	259.9	226.7	209.0	200.2	196.0	195.6	191.8
70°	294.1	329.1	312.4	262.9	222.4	196.3	181.0	173.3	170.7	170.3	168.2
72.5°	253.8	278.2	265.0	223.6	192.3	168.7	157.4	149.4	146.5	147.1	145.6
75°	187.8	206.2	198.4	169.9	144.7	129.3	119.9	114.8	112.3	113.6	111.9
77.5°	135.1	146.8	139.8	120.0	104.5	93.4	86.5	83.3	81.0	81.0	80.1
80°	102.0	108.8	105.0	93.0	80.2	70.8	65.3	63.2	61.9	61.5	61.1
82.5°	72.6	78.4	73.9	65.7	57.0	51.4	48.3	45.4	44.5	44.8	44.3
85°	36.7	38.8	37.1	32.0	28.6	26.0	24.3	23.1	22.2	22.6	21.8
87.5°	14.9	14.9	13.5	11.8	10.8	9.5	9.3	8.3	7.9	8.2	8.2
90°	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7	2.0	3.5	4.9
92.5°	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8	11.5	11.1	10.7
95°	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9	33.1	27.2	21.4
97.5°	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1	75.6	73.0	70.4
100°	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7	110.6	113.4	116.2
102.5°	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4	143.4	145.4	147.5
105°	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0	191.5	193.1	194.6
107.5°	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2	242.5	243.7	244.9
110°	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3	276.5	277.6	278.8



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0	309.0	310.1	311.0
115°	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3	357.2	358.0	358.9
117.5°	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1	404.1	405.2	406.3
120°	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2	433.4	434.7	435.9
122.5°	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7	462.8	463.8	464.9
125°	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3	503.4	504.5	505.6
127.5°	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5	542.7	543.8	544.9
130°	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0	567.1	568.3	569.4
132.5°	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5	590.6	591.7	592.9
135°	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3	626.1	627.0	627.9
137.5°	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9	657.0	658.0	659.1
140°	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3	677.1	678.0	678.8
142.5°	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1	696.0	696.8	697.7
145°	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5	722.5	723.5	724.5
147.5°	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4	747.1	747.7	748.4
150°	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7	762.1	762.5	763.0
152.5°	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4	775.7	775.8	776.1
155°	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8	794.6	794.3	794.0
157.5°	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
160°	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0	818.9	818.8	818.6
162.5°	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7	827.4	827.0	826.6
165°	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2	837.7	837.3	836.9
167.5°	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4	845.8	845.2	844.7
170°	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9	850.4	849.8	849.2
172.5°	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9	853.3	852.6	851.9
175°	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9	857.2	856.6	855.8
177.5°	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9	858.4	857.9	857.3
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	866.3	863.9	860.5	855.3	851.3	844.7	844.7	845.8	845.8	845.5	844.7
5°	840.0	833.6	825.9	816.9	807.6	798.2	796.5	793.0	790.5	788.8	786.6
7.5°	812.3	800.9	789.7	777.1	765.7	756.3	749.7	744.2	740.7	736.9	734.3
10°	793.4	779.3	766.1	752.9	738.4	726.9	719.7	714.5	710.7	707.3	705.6
12.5°	771.3	755.1	740.5	728.0	712.1	700.3	693.3	691.0	686.4	679.2	675.5
15°	738.8	723.9	706.4	687.2	679.5	665.0	656.9	653.1	650.4	644.9	643.2
17.5°	711.1	691.5	671.9	657.5	643.3	631.5	627.0	622.2	618.8	614.2	612.9
20°	688.9	671.4	653.5	638.1	623.1	610.3	606.5	603.1	599.7	597.5	595.8
22.5°	666.3	648.9	634.0	619.6	603.7	595.3	591.2	587.4	585.0	583.6	581.9
25°	634.7	619.3	602.7	589.9	577.1	571.5	568.9	566.8	565.1	563.0	562.6
27.5°	606.3	589.6	576.1	564.2	555.0	550.3	547.9	546.8	547.2	548.0	548.5
30°	585.1	569.8	558.7	548.5	540.0	535.7	535.2	535.2	537.0	537.4	538.3
32.5°	565.7	553.1	542.0	532.1	525.6	522.7	524.3	524.3	525.7	526.8	528.3
35°	537.4	526.3	517.7	509.2	503.7	504.9	505.8	506.6	508.7	511.4	513.1
37.5°	510.3	500.7	491.8	485.1	482.6	484.9	486.9	488.7	491.2	493.2	494.9
40°	490.8	483.6	475.1	469.0	469.9	471.2	473.0	475.1	477.2	478.5	480.2
42.5°	472.7	465.1	458.7	453.7	454.9	456.6	457.5	458.7	461.1	463.4	464.5
45°	445.2	439.2	433.3	430.2	431.1	431.9	432.8	434.1	436.2	437.9	438.4
47.5°	414.2	410.0	406.0	403.1	404.5	404.1	405.2	408.0	408.6	409.7	412.1
50°	394.4	390.5	385.9	385.0	385.0	385.0	385.4	388.8	388.8	390.5	392.2
52.5°	372.5	370.1	367.0	365.5	364.8	364.8	366.6	368.4	369.0	371.5	373.2
55°	340.1	337.6	335.1	333.8	332.9	333.8	337.2	338.0	340.1	341.4	342.8
57.5°	306.5	304.5	302.5	301.7	301.6	302.7	304.6	307.1	307.7	311.6	313.6
60°	284.3	281.3	279.6	279.6	278.8	282.6	281.7	286.0	286.8	289.3	292.4
62.5°	261.4	257.4	256.7	256.7	257.9	259.0	260.2	262.0	264.3	267.5	269.9
65°	224.5	222.4	225.3	224.9	224.0	226.7	226.7	228.8	231.3	234.3	239.0
67.5°	189.6	188.5	188.7	188.7	190.0	191.5	192.7	194.5	197.6	200.8	203.8
70°	166.0	167.3	165.2	166.9	168.2	168.6	169.4	172.0	175.5	177.6	181.0
72.5°	143.2	143.1	143.3	144.0	145.3	146.0	146.9	149.9	153.6	155.4	158.1
75°	110.1	109.7	111.0	111.0	113.1	114.0	114.8	116.1	119.5	122.1	124.2
77.5°	80.4	81.0	80.6	82.1	81.5	81.7	84.3	85.6	85.9	91.0	92.1
80°	60.6	61.5	61.9	62.3	62.8	61.9	64.9	66.1	66.1	69.1	71.3
82.5°	43.5	44.0	45.2	45.6	45.7	46.6	46.8	47.7	48.8	50.1	52.8
85°	21.8	23.1	23.5	23.1	23.5	22.6	23.9	24.3	24.8	24.8	24.8
87.5°	8.1	8.7	8.8	9.5	9.5	10.2	10.4	9.8	9.9	11.0	9.8
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5	17.0	17.5	18.0
92.5°	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1	19.0	20.0	20.5
95°	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8	22.7	23.7	24.2
97.5°	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8	23.9	25.0	25.7
100°	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3	24.5	25.6	26.2
102.5°	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9	31.4	27.9	26.3
105°	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4	64.4	39.3	26.9
107.5°	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1	200.7	182.3	163.6
110°	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1	273.5	268.8	256.3



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8	319.8	319.9	317.8
115°	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7	370.1	371.5	372.5
117.5°	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0	414.2	415.2	415.9
120°	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1	443.2	444.3	444.9
122.5°	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4	471.2	472.1	472.5
125°	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5	510.8	511.0	511.4
127.5°	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6	551.1	551.5	551.5
130°	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8	575.4	575.9	576.1
132.5°	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7	598.3	598.8	598.9
135°	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5	632.9	633.3	633.3
137.5°	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5	664.1	664.9	665.0
140°	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1	683.7	684.3	684.4
142.5°	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8	702.2	702.7	702.7
145°	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8	728.1	728.4	728.6
147.5°	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1	751.5	751.7	751.5
150°	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4	765.7	766.0	766.0
152.5°	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1	778.6	779.2	779.1
155°	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7	796.3	797.0	797.0
157.5°	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8	811.6	812.5	812.4
160°	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5	820.4	821.2	821.1
162.5°	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4	828.3	829.2	829.3
165°	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9	839.0	840.2	840.2
167.5°	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0	847.2	848.3	848.3
170°	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6	851.7	852.9	852.9
172.5°	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7	854.8	856.0	855.9
175°	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4	858.3	859.3	859.2
177.5°	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8	859.7	860.5	860.5
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	842.4	842.0	844.4	842.7	844.4	842.0	842.4	844.7	845.5	845.8	845.8
5°	784.1	785.4	781.1	781.1	781.1	785.4	784.1	786.6	788.8	790.5	793.0
7.5°	732.1	730.3	730.4	728.1	730.4	730.3	732.1	734.3	736.9	740.7	744.2
10°	700.4	697.9	697.0	697.4	697.0	697.9	700.4	705.6	707.3	710.7	714.5
12.5°	674.1	673.6	668.0	668.1	668.0	673.6	674.1	675.5	679.2	686.4	691.0
15°	643.2	635.1	634.2	636.8	634.2	635.1	643.2	643.2	644.9	650.4	653.1
17.5°	612.2	608.0	608.2	606.9	608.2	608.0	612.2	612.9	614.2	618.8	622.2
20°	595.8	593.3	592.9	589.9	592.9	593.3	595.8	595.8	597.5	599.7	603.1
22.5°	580.8	580.0	580.2	576.9	580.2	580.0	580.8	581.9	583.6	585.0	587.4
25°	562.1	564.3	562.6	562.6	562.6	564.3	562.1	562.6	563.0	565.1	566.8
27.5°	549.5	549.4	548.5	548.5	548.5	549.4	549.5	548.5	548.0	547.2	546.8
30°	540.0	539.5	540.4	540.4	540.4	539.5	540.0	538.3	537.4	537.0	535.2
32.5°	530.4	531.0	531.2	531.5	531.2	531.0	530.4	528.3	526.8	525.7	524.3
35°	515.6	516.0	517.3	516.5	517.3	516.0	515.6	513.1	511.4	508.7	506.6
37.5°	495.6	497.6	497.2	497.8	497.2	497.6	495.6	494.9	493.2	491.2	488.7
40°	480.6	481.9	481.4	481.4	481.4	481.9	480.6	480.2	478.5	477.2	475.1
42.5°	465.2	466.2	465.0	464.4	465.0	466.2	465.2	464.5	463.4	461.1	458.7
45°	440.0	439.2	440.5	438.8	440.5	439.2	440.0	438.4	437.9	436.2	434.1
47.5°	411.9	412.7	413.1	414.3	413.1	412.7	411.9	412.1	409.7	408.6	408.0
50°	393.1	395.7	395.7	395.3	395.7	395.7	393.1	392.2	390.5	388.8	388.8
52.5°	374.6	375.9	377.6	377.5	377.6	375.9	374.6	373.2	371.5	369.0	368.4
55°	346.2	347.0	347.9	348.3	347.9	347.0	346.2	342.8	341.4	340.1	338.0
57.5°	316.6	316.3	318.3	318.9	318.3	316.3	316.6	313.6	311.6	307.7	307.1
60°	295.8	295.8	299.2	300.5	299.2	295.8	295.8	292.4	289.3	286.8	286.0
62.5°	273.6	275.0	278.3	276.5	278.3	275.0	273.6	269.9	267.5	264.3	262.0
65°	241.2	244.6	244.2	245.8	244.2	244.6	241.2	239.0	234.3	231.3	228.8
67.5°	207.2	209.4	212.5	212.7	212.5	209.4	207.2	203.8	200.8	197.6	194.5
70°	184.4	186.5	188.3	189.5	188.3	186.5	184.4	181.0	177.6	175.5	172.0
72.5°	162.2	163.3	167.4	165.6	167.4	163.3	162.2	158.1	155.4	153.6	149.9
75°	127.2	130.2	132.7	131.4	132.7	130.2	127.2	124.2	122.1	119.5	116.1
77.5°	94.1	97.0	98.2	97.2	98.2	97.0	94.1	92.1	91.0	85.9	85.6
80°	74.3	73.9	76.4	76.0	76.4	73.9	74.3	71.3	69.1	66.1	66.1
82.5°	54.5	54.1	55.2	55.5	55.2	54.1	54.5	52.8	50.1	48.8	47.7
85°	26.5	27.7	26.0	25.6	26.0	27.7	26.5	24.8	24.8	24.8	24.3
87.5°	9.8	9.9	9.5	9.3	9.5	9.9	9.8	9.8	11.0	9.9	9.8
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5
92.5°	20.6	20.8	21.0	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1
95°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8
97.5°	25.8	26.0	26.1	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8
100°	26.3	26.5	26.7	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3
102.5°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9
105°	27.2	27.5	27.8	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4
107.5°	144.8	125.9	107.0	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1
110°	236.0	215.8	195.5	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	313.6	309.2	305.0	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8
115°	373.1	373.7	374.2	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7
117.5°	416.0	416.1	416.2	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0
120°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1
122.5°	472.6	472.7	472.9	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4
125°	511.6	511.9	512.2	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5
127.5°	551.3	551.1	550.7	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6
130°	575.8	575.5	575.2	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8
132.5°	598.6	598.2	597.8	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7
135°	632.9	632.5	632.1	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5
137.5°	664.8	664.5	664.2	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5
140°	684.1	683.9	683.5	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1
142.5°	702.3	701.9	701.6	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8
145°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8
147.5°	750.9	750.2	749.6	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1
150°	765.5	765.1	764.7	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4
152.5°	778.4	777.8	777.1	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1
155°	796.1	795.2	794.4	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7
157.5°	811.3	810.2	809.1	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8
160°	820.1	819.1	818.2	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5
162.5°	828.4	827.5	826.7	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4
165°	839.3	838.2	837.2	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9
167.5°	847.2	846.0	844.9	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0
170°	851.7	850.6	849.5	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6
172.5°	854.7	853.5	852.2	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7
175°	858.2	857.0	855.9	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4
177.5°	859.3	858.2	857.0	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	844.7	844.7	851.3	855.3	860.5	863.9	866.3	868.7	872.8	878.2	884.4
5°	796.5	798.2	807.6	816.9	825.9	833.6	840.0	847.7	857.0	868.6	881.4
7.5°	749.7	756.3	765.7	777.1	789.7	800.9	812.3	824.9	838.1	855.1	873.0
10°	719.7	726.9	738.4	752.9	766.1	779.3	793.4	807.1	823.8	843.8	866.9
12.5°	693.3	700.3	712.1	728.0	740.5	755.1	771.3	789.0	807.7	831.8	858.0
15°	656.9	665.0	679.5	687.2	706.4	723.9	738.8	764.4	788.3	813.1	843.4
17.5°	627.0	631.5	643.3	657.5	671.9	691.5	711.1	732.5	756.3	786.5	824.4
20°	606.5	610.3	623.1	638.1	653.5	671.4	688.9	710.2	737.1	769.2	810.1
22.5°	591.2	595.3	603.7	619.6	634.0	648.9	666.3	691.8	720.4	751.7	796.1
25°	568.9	571.5	577.1	589.9	602.7	619.3	634.7	658.6	688.0	724.7	769.2
27.5°	547.9	550.3	555.0	564.2	576.1	589.6	606.3	626.6	656.6	696.4	743.6
30°	535.2	535.7	540.0	548.5	558.7	569.8	585.1	608.2	636.4	676.9	726.4
32.5°	524.3	522.7	525.6	532.1	542.0	553.1	565.7	588.4	615.6	655.4	706.3
35°	505.8	504.9	503.7	509.2	517.7	526.3	537.4	554.5	585.1	622.3	675.6
37.5°	486.9	484.9	482.6	485.1	491.8	500.7	510.3	525.5	552.0	592.9	643.9
40°	473.0	471.2	469.9	469.0	475.1	483.6	490.8	505.3	530.1	568.9	619.3
42.5°	457.5	456.6	454.9	453.7	458.7	465.1	472.7	485.6	510.3	546.7	594.4
45°	432.8	431.9	431.1	430.2	433.3	439.2	445.2	454.5	475.9	511.4	554.5
47.5°	405.2	404.1	404.5	403.1	406.0	410.0	414.2	424.3	444.7	473.4	504.8
50°	385.4	385.0	385.0	385.0	385.9	390.5	394.4	402.1	420.9	449.5	472.1
52.5°	366.6	364.8	364.8	365.5	367.0	370.1	372.5	380.9	397.3	420.8	441.3
55°	337.2	333.8	332.9	333.8	335.1	337.6	340.1	347.0	361.1	378.6	390.5
57.5°	304.6	302.7	301.6	301.7	302.5	304.5	306.5	313.9	325.0	334.1	341.8
60°	281.7	282.6	278.8	279.6	279.6	281.3	284.3	288.9	298.3	304.8	312.4
62.5°	260.2	259.0	257.9	256.7	256.7	257.4	261.4	265.1	273.0	276.4	282.4
65°	226.7	226.7	224.0	224.9	225.3	222.4	224.5	228.8	233.9	235.2	240.8
67.5°	192.7	191.5	190.0	188.7	188.7	188.5	189.6	191.8	195.6	196.0	200.2
70°	169.4	168.6	168.2	166.9	165.2	167.3	166.0	168.2	170.3	170.7	173.3
72.5°	146.9	146.0	145.3	144.0	143.3	143.1	143.2	145.6	147.1	146.5	149.4
75°	114.8	114.0	113.1	111.0	111.0	109.7	110.1	111.9	113.6	112.3	114.8
77.5°	84.3	81.7	81.5	82.1	80.6	81.0	80.4	80.1	81.0	81.0	83.3
80°	64.9	61.9	62.8	62.3	61.9	61.5	60.6	61.1	61.5	61.9	63.2
82.5°	46.8	46.6	45.7	45.6	45.2	44.0	43.5	44.3	44.8	44.5	45.4
85°	23.9	22.6	23.5	23.1	23.5	23.1	21.8	21.8	22.6	22.2	23.1
87.5°	10.4	10.2	9.5	9.5	8.8	8.7	8.1	8.2	8.2	7.9	8.3
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7
92.5°	17.2	16.3	14.9	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8
95°	20.8	19.7	18.2	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9
97.5°	21.7	20.5	30.7	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1
100°	22.2	21.0	43.1	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7
102.5°	38.4	41.9	66.0	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4
105°	114.5	139.6	152.3	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0
107.5°	237.5	255.8	253.8	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2
110°	282.8	287.5	285.9	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	319.7	319.6	318.0	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0
115°	367.3	365.9	364.6	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3
117.5°	411.9	410.7	410.1	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1
120°	440.9	439.8	439.4	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2
122.5°	469.7	468.9	468.3	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7
125°	510.2	509.9	509.3	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3
127.5°	550.2	549.7	549.0	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5
130°	574.2	573.6	573.1	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0
132.5°	597.2	596.6	596.1	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5
135°	632.1	631.7	631.1	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3
137.5°	662.8	662.1	661.8	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9
140°	682.6	682.0	681.6	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3
142.5°	701.3	700.9	700.4	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1
145°	727.6	727.2	727.0	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5
147.5°	750.9	750.6	750.3	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4
150°	765.2	764.9	764.6	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7
152.5°	777.6	777.1	777.0	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4
155°	794.9	794.2	794.0	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8
157.5°	810.0	809.1	809.3	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8
160°	818.6	817.7	817.9	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0
162.5°	826.4	825.4	825.6	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7
165°	836.7	835.6	835.8	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2
167.5°	844.9	843.8	843.8	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4
170°	849.5	848.4	848.4	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9
172.5°	852.6	851.4	851.3	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9
175°	856.4	855.4	855.2	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9
177.5°	857.9	856.9	856.8	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	886.4	888.1	894.0	898.1	902.8	905.6	908.2	910.4	913.1	913.7	923.7
5°	890.4	898.9	913.9	925.0	938.6	953.5	963.8	968.5	980.8	991.1	1011.5
7.5°	889.2	907.4	929.9	953.3	978.4	1001.7	1021.8	1045.7	1062.7	1088.3	1113.4
10°	888.2	912.6	941.6	971.4	1006.5	1038.9	1067.9	1100.3	1127.2	1162.7	1192.9
12.5°	885.2	914.6	954.9	990.3	1032.7	1077.5	1120.5	1162.1	1185.9	1245.0	1272.8
15°	877.6	912.6	963.0	1016.7	1075.1	1128.1	1182.8	1226.3	1296.7	1348.3	1381.2
17.5°	863.1	912.1	971.8	1036.7	1107.7	1177.5	1239.4	1305.5	1380.1	1442.7	1509.3
20°	856.2	910.0	976.6	1048.3	1122.1	1201.1	1271.5	1350.9	1432.4	1493.9	1579.2
22.5°	843.6	904.5	976.2	1056.1	1135.1	1216.8	1299.2	1379.2	1473.4	1558.1	1639.3
25°	822.9	891.2	965.5	1054.7	1147.3	1229.2	1327.9	1434.1	1532.3	1641.1	1722.2
27.5°	801.2	874.2	948.6	1031.5	1131.1	1228.4	1352.4	1472.5	1592.6	1686.5	1746.5
30°	784.5	855.3	932.2	1015.9	1114.4	1230.1	1368.8	1499.8	1616.8	1697.5	1731.2
32.5°	766.4	838.3	906.2	994.0	1099.1	1229.1	1379.1	1515.9	1618.2	1671.9	1665.3
35°	738.0	798.2	864.3	948.8	1072.6	1221.6	1385.0	1517.4	1580.1	1568.6	1481.5
37.5°	697.0	747.6	812.8	905.3	1041.9	1205.7	1373.1	1472.3	1468.3	1374.4	1248.3
40°	671.4	714.5	777.2	874.6	1018.0	1195.6	1354.3	1418.8	1364.2	1233.1	1082.0
42.5°	638.0	677.6	740.4	840.4	991.6	1174.7	1318.4	1337.2	1230.3	1079.5	940.9
45°	586.0	621.0	685.9	789.2	952.3	1129.4	1230.9	1185.3	1041.5	885.7	780.2
47.5°	530.3	566.6	629.1	735.2	895.2	1061.2	1109.5	1012.4	864.7	738.4	641.6
50°	495.1	530.1	591.2	698.3	856.6	1005.2	1025.2	899.8	764.0	653.1	573.6
52.5°	459.6	492.5	552.5	660.1	811.5	940.3	927.9	800.1	675.2	580.7	518.4
55°	406.8	437.9	495.1	595.8	733.7	835.7	790.9	668.9	565.6	492.1	444.7
57.5°	359.5	389.4	438.7	529.7	649.5	719.7	662.6	559.7	477.6	421.1	385.8
60°	327.3	353.8	400.8	485.3	589.5	642.8	586.4	495.5	426.4	381.2	349.6
62.5°	297.0	320.0	363.5	440.3	530.7	575.5	518.5	441.6	382.7	342.6	315.8
65°	250.9	271.9	310.3	370.1	444.3	474.2	425.1	362.8	317.2	287.2	269.3
67.5°	209.0	226.7	259.9	307.0	361.6	383.4	346.0	297.7	263.3	239.4	225.1
70°	181.0	196.3	222.4	262.9	312.4	329.1	294.1	254.4	229.2	210.0	196.7
72.5°	157.4	168.7	192.3	223.6	265.0	278.2	253.8	218.9	195.4	181.0	170.5
75°	119.9	129.3	144.7	169.9	198.4	206.2	187.8	166.0	150.3	140.0	131.9
77.5°	86.5	93.4	104.5	120.0	139.8	146.8	135.1	120.6	109.1	102.2	97.7
80°	65.3	70.8	80.2	93.0	105.0	108.8	102.0	90.9	82.8	79.0	75.1
82.5°	48.3	51.4	57.0	65.7	73.9	78.4	72.6	66.0	61.6	58.1	56.7
85°	24.3	26.0	28.6	32.0	37.1	38.8	36.7	35.0	32.4	30.3	30.3
87.5°	9.3	9.5	10.8	11.8	13.5	14.9	14.9	14.7	14.7	14.4	14.2
90°	2.0	3.5	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5
92.5°	11.5	11.1	10.7	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1
95°	33.1	27.2	21.4	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8
97.5°	75.6	73.0	70.4	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8
100°	110.6	113.4	116.2	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3
102.5°	143.4	145.4	147.5	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9
105°	191.5	193.1	194.6	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4
107.5°	242.5	243.7	244.9	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1
110°	276.5	277.6	278.8	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	309.0	310.1	311.0	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8
115°	357.2	358.0	358.9	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7
117.5°	404.1	405.2	406.3	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0
120°	433.4	434.7	435.9	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1
122.5°	462.8	463.8	464.9	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4
125°	503.4	504.5	505.6	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5
127.5°	542.7	543.8	544.9	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6
130°	567.1	568.3	569.4	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8
132.5°	590.6	591.7	592.9	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7
135°	626.1	627.0	627.9	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5
137.5°	657.0	658.0	659.1	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5
140°	677.1	678.0	678.8	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1
142.5°	696.0	696.8	697.7	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8
145°	722.5	723.5	724.5	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8
147.5°	747.1	747.7	748.4	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1
150°	762.1	762.5	763.0	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4
152.5°	775.7	775.8	776.1	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1
155°	794.6	794.3	794.0	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7
157.5°	809.8	809.8	809.8	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8
160°	818.9	818.8	818.6	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5
162.5°	827.4	827.0	826.6	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4
165°	837.7	837.3	836.9	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9
167.5°	845.8	845.2	844.7	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0
170°	850.4	849.8	849.2	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6
172.5°	853.3	852.6	851.9	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7
175°	857.2	856.6	855.8	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4
177.5°	858.4	857.9	857.3	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	880.9	880.9	880.9	880.9	880.9	880.9	880.9
2.5°	927.1	927.4	931.2	933.9	932.5	934.3	934.9
5°	1012.8	1028.3	1036.3	1042.3	1042.8	1043.2	1046.6
7.5°	1134.5	1151.0	1163.0	1181.3	1186.7	1192.9	1191.2
10°	1223.3	1247.6	1268.5	1279.6	1291.6	1309.0	1295.0
12.5°	1306.3	1349.4	1381.2	1398.5	1409.7	1413.2	1406.3
15°	1443.1	1499.4	1529.7	1528.8	1567.3	1584.0	1557.9
17.5°	1568.6	1620.6	1662.2	1683.6	1715.6	1722.6	1719.4
20°	1645.4	1702.2	1734.6	1771.3	1788.0	1802.9	1805.5
22.5°	1711.6	1762.6	1797.4	1828.0	1841.9	1849.0	1853.3
25°	1779.9	1820.0	1840.9	1851.5	1855.4	1854.6	1849.0
27.5°	1775.2	1778.2	1755.2	1732.6	1712.4	1689.5	1681.7
30°	1729.1	1693.2	1629.2	1592.9	1539.5	1497.3	1514.3
32.5°	1607.9	1536.5	1464.6	1385.3	1319.6	1301.0	1282.1
35°	1372.2	1246.8	1173.4	1087.9	1053.9	1019.7	996.2
37.5°	1110.2	1013.1	926.0	870.2	836.0	814.4	802.7
40°	959.9	872.5	800.7	755.5	729.4	705.2	701.7
42.5°	840.1	758.7	704.7	668.7	643.8	633.4	625.9
45°	688.0	631.3	595.0	569.4	552.8	546.3	537.8
47.5°	582.4	542.3	515.0	497.6	485.0	480.3	479.6
50°	523.3	490.0	469.9	456.2	446.5	444.7	437.9
52.5°	478.9	450.0	434.4	422.5	415.4	410.6	408.5
55°	415.7	396.5	382.5	375.6	370.1	365.3	365.3
57.5°	363.7	347.7	338.3	332.6	330.8	327.5	325.4
60°	331.7	318.0	310.7	305.6	302.2	302.6	298.8
62.5°	300.2	291.4	284.5	279.3	275.2	275.3	275.6
65°	255.7	248.8	243.7	242.0	239.5	236.4	237.3
67.5°	216.6	210.3	206.3	203.3	202.5	200.9	203.3
70°	188.7	183.9	181.0	178.4	177.6	178.0	180.1
72.5°	163.1	159.7	157.8	156.5	154.7	154.7	156.2
75°	128.1	125.5	123.8	122.5	122.1	122.1	122.1
77.5°	94.1	93.5	92.7	90.8	90.9	91.4	91.5
80°	74.3	73.0	72.6	71.7	70.4	69.5	71.7
82.5°	55.5	54.2	53.8	53.6	51.6	51.4	53.2
85°	29.8	28.6	29.0	28.6	28.6	28.2	28.2
87.5°	14.0	13.8	13.5	13.9	13.6	13.3	14.1
90°	17.0	17.5	18.0	18.3	18.6	18.8	19.2
92.5°	19.0	20.0	20.5	20.6	20.8	21.0	21.2
95°	22.7	23.7	24.2	24.2	24.2	24.2	24.2
97.5°	23.9	25.0	25.7	25.8	26.0	26.1	26.3
100°	24.5	25.6	26.2	26.3	26.5	26.7	26.7
102.5°	31.4	27.9	26.3	26.5	26.7	27.0	27.3
105°	64.4	39.3	26.9	27.2	27.5	27.8	28.0
107.5°	200.7	182.3	163.6	144.8	125.9	107.0	88.1
110°	273.5	268.8	256.3	236.0	215.8	195.5	175.3



TEST NUMBER: P331973-930

CATALOG NUMBER: S123DIP-S775D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	319.8	319.9	317.8	313.6	309.2	305.0	300.8
115°	370.1	371.5	372.5	373.1	373.7	374.2	374.8
117.5°	414.2	415.2	415.9	416.0	416.1	416.2	416.4
120°	443.2	444.3	444.9	444.9	444.9	444.9	444.9
122.5°	471.2	472.1	472.5	472.6	472.7	472.9	473.0
125°	510.8	511.0	511.4	511.6	511.9	512.2	512.5
127.5°	551.1	551.5	551.5	551.3	551.1	550.7	550.5
130°	575.4	575.9	576.1	575.8	575.5	575.2	574.9
132.5°	598.3	598.8	598.9	598.6	598.2	597.8	597.4
135°	632.9	633.3	633.3	632.9	632.5	632.1	631.7
137.5°	664.1	664.9	665.0	664.8	664.5	664.2	663.9
140°	683.7	684.3	684.4	684.1	683.9	683.5	683.3
142.5°	702.2	702.7	702.7	702.3	701.9	701.6	701.2
145°	728.1	728.4	728.6	728.6	728.6	728.6	728.6
147.5°	751.5	751.7	751.5	750.9	750.2	749.6	748.9
150°	765.7	766.0	766.0	765.5	765.1	764.7	764.3
152.5°	778.6	779.2	779.1	778.4	777.8	777.1	776.5
155°	796.3	797.0	797.0	796.1	795.2	794.4	793.5
157.5°	811.6	812.5	812.4	811.3	810.2	809.1	808.0
160°	820.4	821.2	821.1	820.1	819.1	818.2	817.2
162.5°	828.3	829.2	829.3	828.4	827.5	826.7	825.8
165°	839.0	840.2	840.2	839.3	838.2	837.2	836.3
167.5°	847.2	848.3	848.3	847.2	846.0	844.9	843.8
170°	851.7	852.9	852.9	851.7	850.6	849.5	848.4
172.5°	854.8	856.0	855.9	854.7	853.5	852.2	850.9
175°	858.3	859.3	859.2	858.2	857.0	855.9	854.8
177.5°	859.7	860.5	860.5	859.3	858.2	857.0	855.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9

(END OF REPORT)