

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: P331357-927

Luminaire Tested: **S122DIP-S675D925U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331357-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S675D925U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

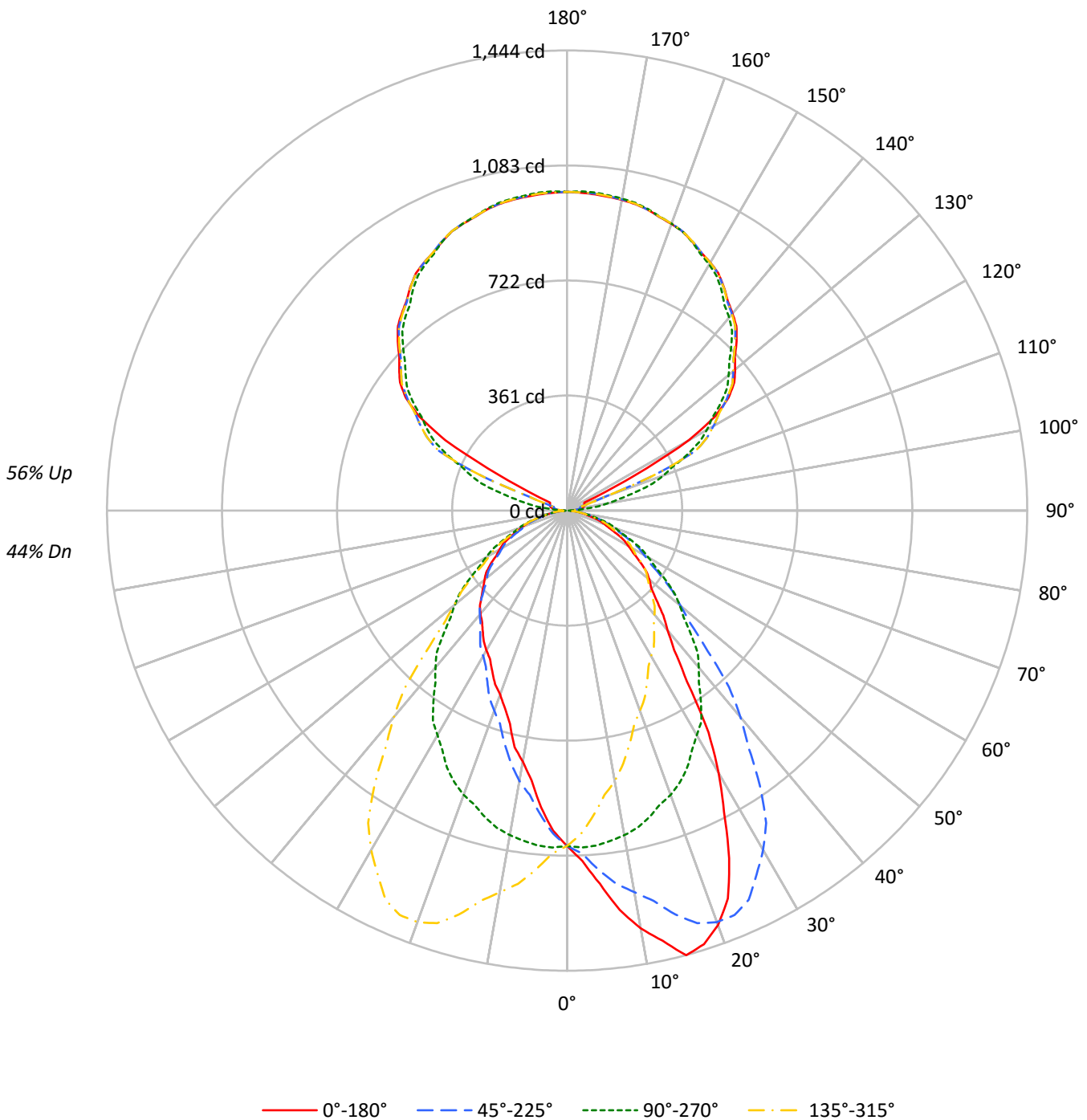
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44					44			
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38					38			
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33					33			
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28					28			
4	74	64	56	51	68	59	52	47	50	45	41	41	37	34	33	30	28	24					24			
5	68	57	49	44	62	53	46	41	45	39	35	37	33	30	30	27	25	22					22			
6	63	51	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19					19			
7	58	47	39	33	53	43	36	31	37	31	27	31	27	24	25	22	20	17					17			
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15					15			
9	51	39	31	26	46	36	29	25	31	26	22	26	22	19	21	18	16	14					14			
10	47	36	28	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13					13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16990	16990	16990	16990
5°	19047	17099	15152	17099
10°	21827	16959	13114	16959
15°	24145	16649	11587	16649
20°	23778	16314	10562	16314
25°	21440	15871	9912	15871
30°	17717	15163	9439	15163
35°	12912	14420	9102	14420
40°	10313	13544	8916	13544
45°	9012	12529	8661	12529
50°	8470	11549	8493	11549
55°	7809	10553	8265	10553
60°	7156	9494	7915	9494
65°	6518	8542	7568	8542
70°	5915	7619	7062	7619
75°	5246	6581	6257	6581
80°	4519	5449	5040	5449
85°	4057	4057	3001	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	1.9
10°-20°	291.3	5.5
20°-30°	422.8	8.0
30°-40°	446.2	8.5
40°-50°	395.0	7.5
50°-60°	315.3	6.0
60°-70°	214.3	4.1
70°-80°	109.9	2.1
80°-90°	29.0	0.6
90°-100°	33.4	0.6
100°-110°	122.3	2.3
110°-120°	326.9	6.2
120°-130°	539.7	10.3
130°-140°	574.0	10.9
140°-150°	533.5	10.2
150°-160°	428.9	8.2
160°-170°	276.4	5.3
170°-180°	95.1	1.8
0°-30°	814.3	15.5
0°-40°	1260.5	24.0
0°-60°	1970.8	37.5
0°-90°	2323.9	44.2
90°-120°	482.6	9.2
90°-150°	2129.7	40.5
90°-180°	2930.0	55.8
0°-180°	5254.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1052	1052	1052	1052	1052	
5°	1175	1055	935	1055	1175	117
15°	1444	996	693	996	1444	399
25°	1204	891	556	891	1204	544
35°	655	732	462	732	655	426
45°	395	549	379	549	395	310
55°	277	375	294	375	277	249
65°	171	224	198	224	171	170
75°	84	106	100	106	84	90
85°	22	22	16	22	22	24
90°	20	1	20	1	20	10
95°	31	47	31	47	31	29
105°	55	220	55	220	55	57
115°	59	416	59	416	59	149
125°	619	588	619	588	619	535
135°	752	728	752	728	752	579
145°	857	844	857	844	857	536
155°	930	930	930	930	930	429
165°	978	980	978	980	978	276
175°	996	1002	996	1002	996	95
180°	1000	1000	1000	1000	1000	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1100.7	1101.1	1101.8	1096.5	1095.9	1095.9	1091.4	1087.5	1083.0	1076.8	1077.4
5°	1175.2	1179.6	1181.2	1176.4	1169.1	1168.3	1161.4	1150.1	1139.6	1131.1	1125.1
7.5°	1264.0	1265.7	1261.8	1255.4	1250.0	1240.3	1227.5	1215.0	1197.4	1181.3	1169.3
10°	1331.3	1333.7	1326.8	1317.6	1309.9	1298.5	1279.9	1260.9	1237.9	1215.6	1197.8
12.5°	1382.4	1388.4	1379.6	1378.3	1365.2	1349.6	1327.5	1317.9	1285.4	1254.4	1235.3
15°	1444.5	1444.1	1444.9	1437.3	1427.5	1425.1	1401.6	1376.2	1330.5	1312.2	1280.7
17.5°	1426.6	1432.7	1435.5	1435.4	1435.2	1433.7	1426.2	1410.1	1387.2	1357.6	1321.2
20°	1383.9	1391.9	1393.1	1402.5	1407.7	1414.6	1417.4	1412.9	1398.8	1374.1	1342.6
22.5°	1317.9	1320.1	1323.9	1338.4	1349.8	1367.0	1376.0	1391.0	1385.5	1373.5	1347.1
25°	1203.5	1199.4	1213.6	1220.8	1247.1	1274.6	1294.5	1316.3	1335.7	1347.4	1339.7
27.5°	1066.1	1060.1	1081.2	1100.6	1122.0	1151.8	1182.6	1219.1	1249.4	1287.4	1300.4
30°	950.3	953.9	974.2	994.8	1027.1	1069.2	1104.0	1144.1	1187.3	1229.8	1259.3
32.5°	825.5	839.5	852.2	883.8	912.3	959.3	1010.2	1060.3	1114.2	1162.4	1208.2
35°	655.1	671.3	689.1	712.2	752.2	798.7	848.4	915.9	989.6	1055.5	1109.7
37.5°	551.4	548.8	559.0	575.7	608.2	645.6	702.9	769.7	856.3	933.7	1010.2
40°	489.3	487.7	495.0	510.3	535.0	562.5	612.7	671.3	751.8	846.4	937.4
42.5°	446.6	447.6	451.6	462.5	479.3	502.0	539.6	589.5	663.1	752.3	850.0
45°	394.7	397.5	402.0	407.3	416.9	435.5	456.5	492.2	550.4	624.8	721.0
47.5°	357.4	357.4	361.9	366.5	372.3	382.8	400.0	422.2	463.3	523.9	606.7
50°	337.2	334.5	337.7	341.3	347.4	354.7	366.0	387.0	414.5	463.4	532.6
52.5°	312.7	312.8	315.7	317.0	322.5	329.7	340.1	354.7	379.5	417.8	474.7
55°	277.4	279.4	281.1	283.4	288.4	293.6	301.7	311.4	330.8	359.5	401.6
57.5°	244.2	244.9	246.5	251.1	254.2	259.0	266.7	275.5	288.2	309.4	341.0
60°	221.6	221.6	224.8	226.9	230.9	235.8	241.9	250.3	261.7	279.0	304.5
62.5°	200.9	200.6	201.8	205.2	208.3	212.8	218.9	226.1	236.7	252.2	273.1
65°	170.6	169.8	172.3	173.1	176.3	180.8	185.6	193.3	201.8	213.1	231.7
67.5°	141.6	142.5	143.8	145.4	147.1	151.8	155.0	160.5	167.6	177.1	189.6
70°	125.3	125.3	125.3	126.6	129.0	131.4	134.7	139.1	146.0	154.1	165.4
72.5°	107.3	108.5	109.8	109.1	112.2	113.6	117.5	120.0	126.6	131.7	141.8
75°	84.1	84.1	84.1	86.1	87.4	88.6	91.0	93.4	96.6	103.1	108.4
77.5°	62.7	62.6	63.0	63.5	64.8	66.2	66.9	69.2	72.2	75.1	79.6
80°	48.6	49.4	49.7	50.5	50.5	51.3	51.7	54.6	56.6	58.6	61.5
82.5°	37.5	37.7	37.8	37.9	38.3	38.7	39.8	40.7	41.4	43.1	45.3
85°	21.9	21.5	21.5	22.3	21.9	21.9	22.7	23.4	23.4	23.8	25.0
87.5°	12.3	12.3	12.5	12.1	12.0	12.3	12.1	11.6	11.8	12.0	12.0
90°	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1	15.3	14.5	13.2
92.5°	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6	17.2	16.8	16.2
95°	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8	29.0	28.2	27.1
97.5°	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1	38.4	37.8	35.2
100°	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8	42.5	41.3	38.5
102.5°	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7	44.0	42.4	65.3
105°	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7	45.9	44.1	88.0
107.5°	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1	60.0	61.8	114.4
110°	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4	110.5	126.6	173.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1	260.7	319.3	330.8
115°	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5	371.9	446.4	442.4
117.5°	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4	476.4	494.4	491.7
120°	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2	532.3	530.3	527.4
122.5°	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8	565.6	564.5	561.3
125°	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6	612.5	611.3	608.3
127.5°	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9	655.2	653.6	651.3
130°	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4	682.5	680.8	679.1
132.5°	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1	709.6	708.0	706.2
135°	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2	747.5	745.9	744.5
137.5°	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5	782.9	781.4	779.7
140°	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4	806.0	804.5	802.8
142.5°	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5	827.3	825.9	823.9
145°	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2	857.0	855.9	853.2
147.5°	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9	883.0	882.3	879.6
150°	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8	898.8	897.9	895.3
152.5°	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3	913.3	912.4	909.9
155°	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8	932.8	931.8	929.9
157.5°	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2	949.2	948.1	946.7
160°	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8	958.9	957.9	957.0
162.5°	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8	967.7	966.6	965.7
165°	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7	978.6	977.5	977.0
167.5°	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8	987.7	986.6	986.1
170°	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5	992.3	991.2	990.9
172.5°	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9	995.8	994.7	994.3
175°	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7	999.6	998.4	998.1
177.5°	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1	1000.2	999.3	999.2
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1079.7	1077.1	1075.5	1069.7	1064.5	1059.4	1057.7	1058.4	1051.3	1044.5	1041.6
5°	1121.8	1113.7	1106.0	1095.1	1082.2	1068.0	1060.7	1055.0	1040.9	1025.6	1016.7
7.5°	1159.5	1148.0	1133.1	1112.5	1093.8	1071.5	1057.3	1044.8	1024.1	1002.4	989.1
10°	1182.5	1166.6	1147.6	1122.6	1099.5	1072.5	1053.4	1034.4	1010.2	984.3	968.1
12.5°	1202.2	1180.9	1162.2	1130.0	1102.8	1068.9	1046.3	1019.5	994.0	963.3	947.5
15°	1249.2	1210.0	1174.3	1138.0	1104.4	1057.1	1032.1	996.0	962.4	924.5	906.3
17.5°	1285.5	1241.4	1185.3	1139.1	1099.9	1047.6	1010.7	967.7	928.0	884.5	859.8
20°	1306.2	1255.6	1195.4	1140.4	1093.4	1033.6	993.6	949.5	903.0	854.1	827.4
22.5°	1318.5	1265.4	1205.8	1135.5	1080.5	1022.3	971.9	923.6	876.5	823.7	795.7
25°	1322.4	1273.8	1210.8	1131.5	1064.4	998.5	937.8	890.9	833.9	784.5	743.7
27.5°	1303.1	1268.4	1207.7	1123.9	1045.7	968.6	901.0	847.9	787.7	734.1	693.1
30°	1279.5	1259.3	1200.2	1116.1	1030.8	947.9	873.5	813.3	753.4	699.2	657.1
32.5°	1242.9	1238.6	1186.7	1105.1	1014.9	921.7	844.7	783.8	717.5	664.2	624.2
35°	1171.2	1190.6	1157.8	1080.5	985.1	884.4	801.1	731.6	662.8	611.9	574.3
37.5°	1074.9	1123.1	1114.5	1044.6	944.8	843.8	751.9	679.1	613.6	562.2	525.3
40°	1008.5	1070.0	1079.0	1017.1	916.4	812.5	714.9	642.6	578.7	531.8	494.6
42.5°	937.4	1009.2	1033.6	984.0	885.3	779.4	682.0	607.0	543.8	498.1	465.2
45°	818.1	913.1	957.2	928.9	833.5	725.1	624.8	548.7	491.3	448.5	423.0
47.5°	706.5	810.4	869.7	859.7	775.8	668.4	569.3	496.4	440.5	406.2	383.4
50°	627.6	734.4	806.0	809.2	734.4	628.0	528.5	459.8	408.4	376.5	357.9
52.5°	559.0	660.9	739.0	756.1	688.1	586.0	492.0	423.6	378.3	349.0	332.3
55°	469.5	555.6	642.1	673.8	619.1	522.0	435.1	374.9	332.4	312.2	297.6
57.5°	390.3	462.2	542.1	576.9	543.3	460.2	378.7	326.4	291.9	274.2	263.0
60°	348.6	405.2	476.3	518.0	488.9	414.9	343.7	294.0	265.7	249.9	239.4
62.5°	309.7	359.9	420.1	458.2	442.4	372.6	308.8	264.9	240.4	225.6	218.1
65°	255.6	295.2	341.7	376.9	366.4	313.4	261.3	223.6	204.2	192.5	186.4
67.5°	210.5	239.1	271.3	302.1	293.7	256.1	214.3	185.0	170.5	160.4	156.8
70°	182.0	203.8	232.5	257.2	250.3	219.6	186.4	161.4	148.9	140.3	136.7
72.5°	154.8	172.8	194.6	214.8	210.2	184.7	157.0	138.1	128.4	120.6	117.6
75°	116.8	130.6	143.9	157.3	156.1	136.3	120.1	105.5	97.8	91.8	90.5
77.5°	86.3	94.0	103.1	111.0	108.8	97.4	84.8	76.4	70.7	66.7	66.1
80°	65.9	70.3	76.8	82.5	79.7	74.8	64.7	58.6	54.6	50.5	49.0
82.5°	47.8	52.3	56.2	59.2	57.0	52.5	46.3	42.1	39.7	37.0	36.3
85°	25.0	27.5	29.2	29.9	29.2	26.3	23.4	21.9	19.8	18.6	18.2
87.5°	12.1	11.8	11.6	11.9	10.6	10.2	8.6	7.3	7.3	7.3	7.1
90°	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7	2.5	4.3	6.0
92.5°	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6	14.4	14.3	14.1
95°	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1	41.7	36.4	31.1
97.5°	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3	78.3	63.5	48.5
100°	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1	106.0	84.0	61.9
102.5°	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3	161.6	156.9	152.3
105°	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9	224.7	229.6	234.4
107.5°	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1	285.0	288.9	292.8
110°	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5	323.9	327.3	330.7



TEST NUMBER: P331357-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5	360.5	363.5	366.5
115°	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0	418.7	421.4	424.2
117.5°	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3	471.3	474.4	477.4
120°	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4	508.8	511.3	513.7
122.5°	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8	541.4	543.9	546.4
125°	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2	590.3	592.4	594.5
127.5°	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9	635.3	637.5	639.8
130°	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3	663.8	666.4	669.0
132.5°	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2	692.4	694.6	696.8
135°	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9	730.4	733.0	735.5
137.5°	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9	767.7	769.5	771.3
140°	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8	792.1	793.4	794.6
142.5°	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6	812.8	814.0	815.1
145°	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3	844.1	844.0	843.8
147.5°	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8	872.2	871.6	871.0
150°	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4	890.3	889.1	888.0
152.5°	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0	905.7	904.4	903.2
155°	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7	928.3	926.8	925.3
157.5°	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5	946.3	945.1	943.8
160°	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	957.0	956.0	955.0
162.5°	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2	966.2	965.3	964.2
165°	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6	978.7	977.7	976.7
167.5°	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9	987.9	987.0	986.0
170°	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1	993.1	992.1	991.2
172.5°	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5	996.6	995.6	994.7
175°	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0	1000.9	999.8	998.6
177.5°	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7	1001.9	1001.0	1000.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331357-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1038.3	1036.4	1029.6	1026.0	1020.2	1014.7	1011.1	1012.8	1014.1	1013.4	1012.4
5°	1008.5	1000.8	989.1	979.1	971.8	958.4	952.8	949.9	947.5	944.7	941.8
7.5°	973.1	961.0	944.2	929.8	916.2	899.6	890.2	884.5	878.7	872.3	866.6
10°	947.9	930.9	913.1	892.9	876.7	861.7	848.4	839.6	831.5	823.8	818.1
12.5°	921.4	901.8	879.8	852.2	834.3	812.9	810.9	795.2	782.6	777.8	771.2
15°	879.2	851.7	823.8	791.0	776.8	757.4	745.3	733.2	722.2	714.5	712.6
17.5°	831.2	795.6	767.9	744.3	721.1	701.2	690.1	680.3	671.4	661.1	659.7
20°	794.6	763.9	733.6	713.0	689.1	668.8	655.1	645.4	637.7	631.7	626.4
22.5°	760.0	726.4	698.6	676.0	652.5	636.2	625.3	616.0	609.6	602.9	597.9
25°	704.5	678.2	647.8	622.3	602.9	592.5	583.5	575.4	571.4	567.0	561.3
27.5°	655.8	626.6	598.3	578.5	561.5	552.2	545.8	540.3	536.5	533.9	530.8
30°	621.5	592.0	569.8	550.4	536.2	527.0	522.9	519.7	515.2	513.6	512.0
32.5°	588.6	562.0	543.0	526.1	512.6	506.5	502.8	499.9	496.5	494.8	491.5
35°	541.9	519.7	501.1	491.7	480.9	475.5	472.8	468.7	465.5	463.8	463.4
37.5°	498.0	478.6	466.4	454.5	449.9	446.6	442.8	440.0	439.0	438.8	438.4
40°	469.5	453.8	442.8	433.1	431.1	426.2	423.0	420.6	420.6	421.0	420.6
42.5°	443.6	429.4	419.9	411.5	409.1	406.2	402.9	402.7	403.5	404.8	403.5
45°	404.4	394.3	387.4	383.3	378.9	376.0	375.7	376.9	377.3	377.7	378.9
47.5°	368.3	361.6	355.4	350.9	349.0	348.5	348.0	350.1	352.0	352.8	354.7
50°	347.0	339.3	334.1	331.2	329.5	328.8	329.5	332.0	333.6	335.6	336.8
52.5°	323.1	317.6	313.9	311.8	311.2	311.6	311.8	314.6	317.1	317.8	318.5
55°	289.9	285.9	285.1	281.5	283.0	282.7	284.7	286.3	288.8	291.1	291.6
57.5°	257.0	253.7	251.5	251.8	252.3	254.1	255.8	258.6	261.3	263.8	264.0
60°	235.0	233.3	232.1	232.1	232.9	235.4	237.4	240.2	241.9	243.4	244.6
62.5°	214.9	213.3	212.1	212.7	214.8	216.3	218.6	220.1	221.7	223.4	223.9
65°	183.2	182.4	183.6	184.4	184.8	186.8	189.6	190.8	192.5	193.3	196.1
67.5°	154.0	154.2	154.0	155.1	157.5	158.0	160.7	163.4	163.7	165.3	167.2
70°	134.3	135.1	135.9	136.7	138.7	139.5	141.6	142.8	144.3	145.6	146.8
72.5°	116.1	116.3	117.1	116.9	118.7	120.4	122.2	123.3	124.9	126.5	127.7
75°	89.4	89.4	90.2	90.5	92.6	94.7	94.2	95.1	96.6	98.2	99.1
77.5°	65.3	64.4	65.3	65.7	66.3	68.0	68.4	69.5	71.3	70.7	71.7
80°	49.7	48.6	49.7	50.1	50.1	52.2	52.2	53.0	54.2	53.0	54.2
82.5°	35.5	34.9	35.8	35.9	36.5	36.6	37.3	37.5	38.7	38.1	38.7
85°	17.8	17.4	17.8	17.4	17.8	18.2	18.2	17.8	17.8	18.6	17.4
87.5°	7.1	7.1	7.0	7.2	7.1	7.1	7.0	7.1	7.3	6.7	6.9
90°	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1	16.9	17.7	18.2
92.5°	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6	18.1	18.5	18.8
95°	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8	30.7	31.4	31.8
97.5°	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1	39.7	40.3	40.7
100°	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8	45.1	46.4	47.2
102.5°	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7	47.5	49.1	50.1
105°	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7	49.4	51.2	52.4
107.5°	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1	56.4	54.6	54.0
110°	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4	78.3	62.3	54.6



TEST NUMBER: P331357-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1	143.4	84.8	55.7
115°	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5	223.1	148.6	105.6
117.5°	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4	440.5	422.4	394.3
120°	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2	536.1	538.1	528.1
122.5°	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8	567.9	569.1	567.6
125°	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6	614.7	615.8	616.6
127.5°	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9	658.5	660.2	661.0
130°	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4	686.1	687.9	688.7
132.5°	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1	712.6	714.1	714.7
135°	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2	750.8	752.3	753.0
137.5°	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5	786.1	787.7	788.2
140°	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4	808.9	810.3	810.6
142.5°	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5	829.9	831.2	831.5
145°	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2	859.3	860.4	860.5
147.5°	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9	884.7	885.6	885.7
150°	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8	900.8	901.7	901.8
152.5°	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3	915.2	916.2	916.2
155°	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8	934.8	935.7	935.6
157.5°	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2	951.3	952.4	952.4
160°	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8	960.8	961.8	961.7
162.5°	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8	969.9	971.0	970.8
165°	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7	980.8	981.9	981.9
167.5°	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8	989.9	991.1	990.9
170°	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5	994.6	995.7	995.5
172.5°	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9	998.1	999.2	999.0
175°	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7	1001.8	1002.9	1002.7
177.5°	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1	1002.0	1002.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331357-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1009.2	1008.5	1008.5	1005.7	1008.5	1008.5	1009.2	1012.4	1013.4	1014.1	1012.8
5°	936.2	934.9	933.0	934.9	933.0	934.9	936.2	941.8	944.7	947.5	949.9
7.5°	864.0	859.1	858.4	853.6	858.4	859.1	864.0	866.6	872.3	878.7	884.5
10°	811.2	807.9	807.6	799.9	807.6	807.9	811.2	818.1	823.8	831.5	839.6
12.5°	771.1	763.3	764.9	760.4	764.9	763.3	771.1	771.2	777.8	782.6	795.2
15°	701.6	701.6	700.0	693.2	700.0	701.6	701.6	712.6	714.5	722.2	733.2
17.5°	651.7	650.9	647.1	649.0	647.1	650.9	651.7	659.7	661.1	671.4	680.3
20°	621.9	619.6	614.7	614.7	614.7	619.6	621.9	626.4	631.7	637.7	645.4
22.5°	593.8	593.7	588.5	590.1	588.5	593.7	593.8	597.9	602.9	609.6	616.0
25°	560.9	557.7	555.2	556.4	555.2	557.7	560.9	561.3	567.0	571.4	575.4
27.5°	529.7	527.9	527.8	524.4	527.8	527.9	529.7	530.8	533.9	536.5	540.3
30°	511.6	507.6	508.3	506.3	508.3	507.6	511.6	512.0	513.6	515.2	519.7
32.5°	490.8	489.4	488.6	486.9	488.6	489.4	490.8	491.5	494.8	496.5	499.9
35°	462.6	463.0	461.1	461.8	461.1	463.0	462.6	463.4	463.8	465.5	468.7
37.5°	438.0	439.3	438.3	438.6	438.3	439.3	438.0	438.4	438.8	439.0	440.0
40°	421.8	421.8	421.8	423.0	421.8	421.8	421.8	420.6	421.0	420.6	420.6
42.5°	406.2	405.6	405.0	404.9	405.0	405.6	406.2	403.5	404.8	403.5	402.7
45°	379.7	381.0	381.4	379.3	381.4	381.0	379.7	378.9	377.7	377.3	376.9
47.5°	355.7	355.8	355.7	357.5	355.7	355.8	355.7	354.7	352.8	352.0	350.1
50°	338.9	338.1	338.9	338.1	338.9	338.1	338.9	336.8	335.6	333.6	332.0
52.5°	321.1	321.2	320.8	320.6	320.8	321.2	321.1	318.5	317.8	317.1	314.6
55°	293.2	294.0	293.6	293.6	293.6	294.0	293.2	291.6	291.1	288.8	286.3
57.5°	264.4	265.1	265.6	263.8	265.6	265.1	264.4	264.0	263.8	261.3	258.6
60°	244.2	246.3	245.9	245.1	245.9	246.3	244.2	244.6	243.4	241.9	240.2
62.5°	225.9	226.6	226.5	226.3	226.5	226.6	225.9	223.9	223.4	221.7	220.1
65°	197.3	198.1	196.9	198.1	196.9	198.1	197.3	196.1	193.3	192.5	190.8
67.5°	166.7	166.9	167.9	168.4	167.9	166.9	166.7	167.2	165.3	163.7	163.4
70°	147.6	147.2	148.4	149.6	148.4	147.2	147.6	146.8	145.6	144.3	142.8
72.5°	127.5	128.4	128.0	128.9	128.0	128.4	127.5	127.7	126.5	124.9	123.3
75°	98.2	99.5	99.1	100.3	99.1	99.5	98.2	99.1	98.2	96.6	95.1
77.5°	71.0	71.1	71.0	71.7	71.0	71.1	71.0	71.7	70.7	71.3	69.5
80°	54.2	53.4	52.6	54.2	52.6	53.4	54.2	54.2	53.0	54.2	53.0
82.5°	37.7	38.2	37.4	37.4	37.4	38.2	37.7	38.7	38.1	38.7	37.5
85°	17.4	17.0	16.2	16.2	16.2	17.0	17.4	17.4	18.6	17.8	17.8
87.5°	7.0	6.7	6.7	6.5	6.7	6.7	7.0	6.9	6.7	7.3	7.1
90°	18.5	18.9	19.3	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1
92.5°	18.9	19.2	19.3	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6
95°	31.6	31.4	31.3	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8
97.5°	41.0	41.1	41.4	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1
100°	47.5	47.8	48.2	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8
102.5°	50.6	51.0	51.5	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7
105°	53.1	53.7	54.3	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7
107.5°	54.7	55.3	55.9	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1
110°	55.2	55.8	56.5	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4



TEST NUMBER: P331357-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	56.2	56.7	57.2	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1
115°	94.0	82.5	70.9	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5
117.5°	356.3	318.3	280.3	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4
120°	506.4	484.7	463.0	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2
122.5°	563.4	559.1	554.9	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8
125°	617.1	617.6	618.1	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6
127.5°	661.2	661.2	661.3	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9
130°	688.6	688.3	688.2	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4
132.5°	714.5	714.4	714.2	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1
135°	752.7	752.3	752.0	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2
137.5°	787.7	787.1	786.6	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5
140°	809.8	809.1	808.3	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4
142.5°	830.7	829.9	829.1	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5
145°	859.8	859.0	858.2	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2
147.5°	884.9	884.3	883.6	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9
150°	901.0	900.2	899.4	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8
152.5°	915.0	914.0	913.0	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3
155°	934.3	933.0	931.7	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8
157.5°	951.1	949.8	948.6	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2
160°	960.5	959.4	958.3	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8
162.5°	969.5	968.0	966.7	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8
165°	980.8	979.7	978.6	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7
167.5°	989.4	988.0	986.6	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8
170°	994.1	992.6	991.2	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5
172.5°	997.5	996.1	994.7	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9
175°	1001.1	999.5	997.8	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7
177.5°	1001.6	1000.4	999.3	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331357-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1011.1	1014.7	1020.2	1026.0	1029.6	1036.4	1038.3	1041.6	1044.5	1051.3	1058.4
5°	952.8	958.4	971.8	979.1	989.1	1000.8	1008.5	1016.7	1025.6	1040.9	1055.0
7.5°	890.2	899.6	916.2	929.8	944.2	961.0	973.1	989.1	1002.4	1024.1	1044.8
10°	848.4	861.7	876.7	892.9	913.1	930.9	947.9	968.1	984.3	1010.2	1034.4
12.5°	810.9	812.9	834.3	852.2	879.8	901.8	921.4	947.5	963.3	994.0	1019.5
15°	745.3	757.4	776.8	791.0	823.8	851.7	879.2	906.3	924.5	962.4	996.0
17.5°	690.1	701.2	721.1	744.3	767.9	795.6	831.2	859.8	884.5	928.0	967.7
20°	655.1	668.8	689.1	713.0	733.6	763.9	794.6	827.4	854.1	903.0	949.5
22.5°	625.3	636.2	652.5	676.0	698.6	726.4	760.0	795.7	823.7	876.5	923.6
25°	583.5	592.5	602.9	622.3	647.8	678.2	704.5	743.7	784.5	833.9	890.9
27.5°	545.8	552.2	561.5	578.5	598.3	626.6	655.8	693.1	734.1	787.7	847.9
30°	522.9	527.0	536.2	550.4	569.8	592.0	621.5	657.1	699.2	753.4	813.3
32.5°	502.8	506.5	512.6	526.1	543.0	562.0	588.6	624.2	664.2	717.5	783.8
35°	472.8	475.5	480.9	491.7	501.1	519.7	541.9	574.3	611.9	662.8	731.6
37.5°	442.8	446.6	449.9	454.5	466.4	478.6	498.0	525.3	562.2	613.6	679.1
40°	423.0	426.2	431.1	433.1	442.8	453.8	469.5	494.6	531.8	578.7	642.6
42.5°	402.9	406.2	409.1	411.5	419.9	429.4	443.6	465.2	498.1	543.8	607.0
45°	375.7	376.0	378.9	383.3	387.4	394.3	404.4	423.0	448.5	491.3	548.7
47.5°	348.0	348.5	349.0	350.9	355.4	361.6	368.3	383.4	406.2	440.5	496.4
50°	329.5	328.8	329.5	331.2	334.1	339.3	347.0	357.9	376.5	408.4	459.8
52.5°	311.8	311.6	311.2	311.8	313.9	317.6	323.1	332.3	349.0	378.3	423.6
55°	284.7	282.7	283.0	281.5	285.1	285.9	289.9	297.6	312.2	332.4	374.9
57.5°	255.8	254.1	252.3	251.8	251.5	253.7	257.0	263.0	274.2	291.9	326.4
60°	237.4	235.4	232.9	232.1	232.1	233.3	235.0	239.4	249.9	265.7	294.0
62.5°	218.6	216.3	214.8	212.7	212.1	213.3	214.9	218.1	225.6	240.4	264.9
65°	189.6	186.8	184.8	184.4	183.6	182.4	183.2	186.4	192.5	204.2	223.6
67.5°	160.7	158.0	157.5	155.1	154.0	154.2	154.0	156.8	160.4	170.5	185.0
70°	141.6	139.5	138.7	136.7	135.9	135.1	134.3	136.7	140.3	148.9	161.4
72.5°	122.2	120.4	118.7	116.9	117.1	116.3	116.1	117.6	120.6	128.4	138.1
75°	94.2	94.7	92.6	90.5	90.2	89.4	89.4	90.5	91.8	97.8	105.5
77.5°	68.4	68.0	66.3	65.7	65.3	64.4	65.3	66.1	66.7	70.7	76.4
80°	52.2	52.2	50.1	50.1	49.7	48.6	49.7	49.0	50.5	54.6	58.6
82.5°	37.3	36.6	36.5	35.9	35.8	34.9	35.5	36.3	37.0	39.7	42.1
85°	18.2	18.2	17.8	17.4	17.8	17.4	17.8	18.2	18.6	19.8	21.9
87.5°	7.0	7.1	7.1	7.2	7.0	7.1	7.1	7.1	7.3	7.3	7.3
90°	15.3	14.5	13.2	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7
92.5°	17.2	16.8	16.2	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6
95°	29.0	28.2	27.1	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1
97.5°	38.4	37.8	35.2	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3
100°	42.5	41.3	38.5	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1
102.5°	44.0	42.4	65.3	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3
105°	45.9	44.1	88.0	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9
107.5°	60.0	61.8	114.4	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1
110°	110.5	126.6	173.1	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5



TEST NUMBER: P331357-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.7	319.3	330.8	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5
115°	371.9	446.4	442.4	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0
117.5°	476.4	494.4	491.7	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3
120°	532.3	530.3	527.4	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4
122.5°	565.6	564.5	561.3	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8
125°	612.5	611.3	608.3	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2
127.5°	655.2	653.6	651.3	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9
130°	682.5	680.8	679.1	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3
132.5°	709.6	708.0	706.2	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2
135°	747.5	745.9	744.5	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9
137.5°	782.9	781.4	779.7	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9
140°	806.0	804.5	802.8	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8
142.5°	827.3	825.9	823.9	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6
145°	857.0	855.9	853.2	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3
147.5°	883.0	882.3	879.6	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8
150°	898.8	897.9	895.3	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4
152.5°	913.3	912.4	909.9	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0
155°	932.8	931.8	929.9	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7
157.5°	949.2	948.1	946.7	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5
160°	958.9	957.9	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9
162.5°	967.7	966.6	965.7	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2
165°	978.6	977.5	977.0	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6
167.5°	987.7	986.6	986.1	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9
170°	992.3	991.2	990.9	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1
172.5°	995.8	994.7	994.3	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5
175°	999.6	998.4	998.1	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0
177.5°	1000.2	999.3	999.2	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331357-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1057.7	1059.4	1064.5	1069.7	1075.5	1077.1	1079.7	1077.4	1076.8	1083.0	1087.5
5°	1060.7	1068.0	1082.2	1095.1	1106.0	1113.7	1121.8	1125.1	1131.1	1139.6	1150.1
7.5°	1057.3	1071.5	1093.8	1112.5	1133.1	1148.0	1159.5	1169.3	1181.3	1197.4	1215.0
10°	1053.4	1072.5	1099.5	1122.6	1147.6	1166.6	1182.5	1197.8	1215.6	1237.9	1260.9
12.5°	1046.3	1068.9	1102.8	1130.0	1162.2	1180.9	1202.2	1235.3	1254.4	1285.4	1317.9
15°	1032.1	1057.1	1104.4	1138.0	1174.3	1210.0	1249.2	1280.7	1312.2	1330.5	1376.2
17.5°	1010.7	1047.6	1099.9	1139.1	1185.3	1241.4	1285.5	1321.2	1357.6	1387.2	1410.1
20°	993.6	1033.6	1093.4	1140.4	1195.4	1255.6	1306.2	1342.6	1374.1	1398.8	1412.9
22.5°	971.9	1022.3	1080.5	1135.5	1205.8	1265.4	1318.5	1347.1	1373.5	1385.5	1391.0
25°	937.8	998.5	1064.4	1131.5	1210.8	1273.8	1322.4	1339.7	1347.4	1335.7	1316.3
27.5°	901.0	968.6	1045.7	1123.9	1207.7	1268.4	1303.1	1300.4	1287.4	1249.4	1219.1
30°	873.5	947.9	1030.8	1116.1	1200.2	1259.3	1279.5	1259.3	1229.8	1187.3	1144.1
32.5°	844.7	921.7	1014.9	1105.1	1186.7	1238.6	1242.9	1208.2	1162.4	1114.2	1060.3
35°	801.1	884.4	985.1	1080.5	1157.8	1190.6	1171.2	1109.7	1055.5	989.6	915.9
37.5°	751.9	843.8	944.8	1044.6	1114.5	1123.1	1074.9	1010.2	933.7	856.3	769.7
40°	714.9	812.5	916.4	1017.1	1079.0	1070.0	1008.5	937.4	846.4	751.8	671.3
42.5°	682.0	779.4	885.3	984.0	1033.6	1009.2	937.4	850.0	752.3	663.1	589.5
45°	624.8	725.1	833.5	928.9	957.2	913.1	818.1	721.0	624.8	550.4	492.2
47.5°	569.3	668.4	775.8	859.7	869.7	810.4	706.5	606.7	523.9	463.3	422.2
50°	528.5	628.0	734.4	809.2	806.0	734.4	627.6	532.6	463.4	414.5	387.0
52.5°	492.0	586.0	688.1	756.1	739.0	660.9	559.0	474.7	417.8	379.5	354.7
55°	435.1	522.0	619.1	673.8	642.1	555.6	469.5	401.6	359.5	330.8	311.4
57.5°	378.7	460.2	543.3	576.9	542.1	462.2	390.3	341.0	309.4	288.2	275.5
60°	343.7	414.9	488.9	518.0	476.3	405.2	348.6	304.5	279.0	261.7	250.3
62.5°	308.8	372.6	442.4	458.2	420.1	359.9	309.7	273.1	252.2	236.7	226.1
65°	261.3	313.4	366.4	376.9	341.7	295.2	255.6	231.7	213.1	201.8	193.3
67.5°	214.3	256.1	293.7	302.1	271.3	239.1	210.5	189.6	177.1	167.6	160.5
70°	186.4	219.6	250.3	257.2	232.5	203.8	182.0	165.4	154.1	146.0	139.1
72.5°	157.0	184.7	210.2	214.8	194.6	172.8	154.8	141.8	131.7	126.6	120.0
75°	120.1	136.3	156.1	157.3	143.9	130.6	116.8	108.4	103.1	96.6	93.4
77.5°	84.8	97.4	108.8	111.0	103.1	94.0	86.3	79.6	75.1	72.2	69.2
80°	64.7	74.8	79.7	82.5	76.8	70.3	65.9	61.5	58.6	56.6	54.6
82.5°	46.3	52.5	57.0	59.2	56.2	52.3	47.8	45.3	43.1	41.4	40.7
85°	23.4	26.3	29.2	29.9	29.2	27.5	25.0	25.0	23.8	23.4	23.4
87.5°	8.6	10.2	10.6	11.9	11.6	11.8	12.1	12.0	12.0	11.8	11.6
90°	2.5	4.3	6.0	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1
92.5°	14.4	14.3	14.1	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6
95°	41.7	36.4	31.1	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8
97.5°	78.3	63.5	48.5	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1
100°	106.0	84.0	61.9	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8
102.5°	161.6	156.9	152.3	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7
105°	224.7	229.6	234.4	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7
107.5°	285.0	288.9	292.8	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1
110°	323.9	327.3	330.7	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.5	363.5	366.5	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1
115°	418.7	421.4	424.2	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5
117.5°	471.3	474.4	477.4	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4
120°	508.8	511.3	513.7	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2
122.5°	541.4	543.9	546.4	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8
125°	590.3	592.4	594.5	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6
127.5°	635.3	637.5	639.8	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9
130°	663.8	666.4	669.0	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4
132.5°	692.4	694.6	696.8	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1
135°	730.4	733.0	735.5	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2
137.5°	767.7	769.5	771.3	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5
140°	792.1	793.4	794.6	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4
142.5°	812.8	814.0	815.1	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5
145°	844.1	844.0	843.8	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2
147.5°	872.2	871.6	871.0	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9
150°	890.3	889.1	888.0	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8
152.5°	905.7	904.4	903.2	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3
155°	928.3	926.8	925.3	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8
157.5°	946.3	945.1	943.8	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2
160°	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8
162.5°	966.2	965.3	964.2	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8
165°	978.7	977.7	976.7	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7
167.5°	987.9	987.0	986.0	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8
170°	993.1	992.1	991.2	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5
172.5°	996.6	995.6	994.7	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9
175°	1000.9	999.8	998.6	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7
177.5°	1001.9	1001.0	1000.1	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1091.4	1095.9	1095.9	1096.5	1101.8	1101.1	1100.7
5°	1161.4	1168.3	1169.1	1176.4	1181.2	1179.6	1175.2
7.5°	1227.5	1240.3	1250.0	1255.4	1261.8	1265.7	1264.0
10°	1279.9	1298.5	1309.9	1317.6	1326.8	1333.7	1331.3
12.5°	1327.5	1349.6	1365.2	1378.3	1379.6	1388.4	1382.4
15°	1401.6	1425.1	1427.5	1437.3	1444.9	1444.1	1444.5
17.5°	1426.2	1433.7	1435.2	1435.4	1435.5	1432.7	1426.6
20°	1417.4	1414.6	1407.7	1402.5	1393.1	1391.9	1383.9
22.5°	1376.0	1367.0	1349.8	1338.4	1323.9	1320.1	1317.9
25°	1294.5	1274.6	1247.1	1220.8	1213.6	1199.4	1203.5
27.5°	1182.6	1151.8	1122.0	1100.6	1081.2	1060.1	1066.1
30°	1104.0	1069.2	1027.1	994.8	974.2	953.9	950.3
32.5°	1010.2	959.3	912.3	883.8	852.2	839.5	825.5
35°	848.4	798.7	752.2	712.2	689.1	671.3	655.1
37.5°	702.9	645.6	608.2	575.7	559.0	548.8	551.4
40°	612.7	562.5	535.0	510.3	495.0	487.7	489.3
42.5°	539.6	502.0	479.3	462.5	451.6	447.6	446.6
45°	456.5	435.5	416.9	407.3	402.0	397.5	394.7
47.5°	400.0	382.8	372.3	366.5	361.9	357.4	357.4
50°	366.0	354.7	347.4	341.3	337.7	334.5	337.2
52.5°	340.1	329.7	322.5	317.0	315.7	312.8	312.7
55°	301.7	293.6	288.4	283.4	281.1	279.4	277.4
57.5°	266.7	259.0	254.2	251.1	246.5	244.9	244.2
60°	241.9	235.8	230.9	226.9	224.8	221.6	221.6
62.5°	218.9	212.8	208.3	205.2	201.8	200.6	200.9
65°	185.6	180.8	176.3	173.1	172.3	169.8	170.6
67.5°	155.0	151.8	147.1	145.4	143.8	142.5	141.6
70°	134.7	131.4	129.0	126.6	125.3	125.3	125.3
72.5°	117.5	113.6	112.2	109.1	109.8	108.5	107.3
75°	91.0	88.6	87.4	86.1	84.1	84.1	84.1
77.5°	66.9	66.2	64.8	63.5	63.0	62.6	62.7
80°	51.7	51.3	50.5	50.5	49.7	49.4	48.6
82.5°	39.8	38.7	38.3	37.9	37.8	37.7	37.5
85°	22.7	21.9	21.9	22.3	21.5	21.5	21.9
87.5°	12.1	12.3	12.0	12.1	12.5	12.3	12.3
90°	16.9	17.7	18.2	18.5	18.9	19.3	19.6
92.5°	18.1	18.5	18.8	18.9	19.2	19.3	19.6
95°	30.7	31.4	31.8	31.6	31.4	31.3	31.1
97.5°	39.7	40.3	40.7	41.0	41.1	41.4	41.5
100°	45.1	46.4	47.2	47.5	47.8	48.2	48.5
102.5°	47.5	49.1	50.1	50.6	51.0	51.5	52.0
105°	49.4	51.2	52.4	53.1	53.7	54.3	55.0
107.5°	56.4	54.6	54.0	54.7	55.3	55.9	56.6
110°	78.3	62.3	54.6	55.2	55.8	56.5	57.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	143.4	84.8	55.7	56.2	56.7	57.2	57.8
115°	223.1	148.6	105.6	94.0	82.5	70.9	59.3
117.5°	440.5	422.4	394.3	356.3	318.3	280.3	242.2
120°	536.1	538.1	528.1	506.4	484.7	463.0	441.3
122.5°	567.9	569.1	567.6	563.4	559.1	554.9	550.7
125°	614.7	615.8	616.6	617.1	617.6	618.1	618.6
127.5°	658.5	660.2	661.0	661.2	661.2	661.3	661.4
130°	686.1	687.9	688.7	688.6	688.3	688.2	688.0
132.5°	712.6	714.1	714.7	714.5	714.4	714.2	714.1
135°	750.8	752.3	753.0	752.7	752.3	752.0	751.7
137.5°	786.1	787.7	788.2	787.7	787.1	786.6	786.0
140°	808.9	810.3	810.6	809.8	809.1	808.3	807.4
142.5°	829.9	831.2	831.5	830.7	829.9	829.1	828.2
145°	859.3	860.4	860.5	859.8	859.0	858.2	857.4
147.5°	884.7	885.6	885.7	884.9	884.3	883.6	883.0
150°	900.8	901.7	901.8	901.0	900.2	899.4	898.6
152.5°	915.2	916.2	916.2	915.0	914.0	913.0	911.9
155°	934.8	935.7	935.6	934.3	933.0	931.7	930.4
157.5°	951.3	952.4	952.4	951.1	949.8	948.6	947.4
160°	960.8	961.8	961.7	960.5	959.4	958.3	957.2
162.5°	969.9	971.0	970.8	969.5	968.0	966.7	965.3
165°	980.8	981.9	981.9	980.8	979.7	978.6	977.5
167.5°	989.9	991.1	990.9	989.4	988.0	986.6	985.1
170°	994.6	995.7	995.5	994.1	992.6	991.2	989.8
172.5°	998.1	999.2	999.0	997.5	996.1	994.7	993.2
175°	1001.8	1002.9	1002.7	1001.1	999.5	997.8	996.2
177.5°	1002.0	1002.9	1002.7	1001.6	1000.4	999.3	998.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9

(END OF REPORT)