

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: P331348-927

Luminaire Tested: **S122DIP-S675D725U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331348-927
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-S675D725U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4618.4 lumens
Efficiency: N/A
Efficacy: 100.6 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

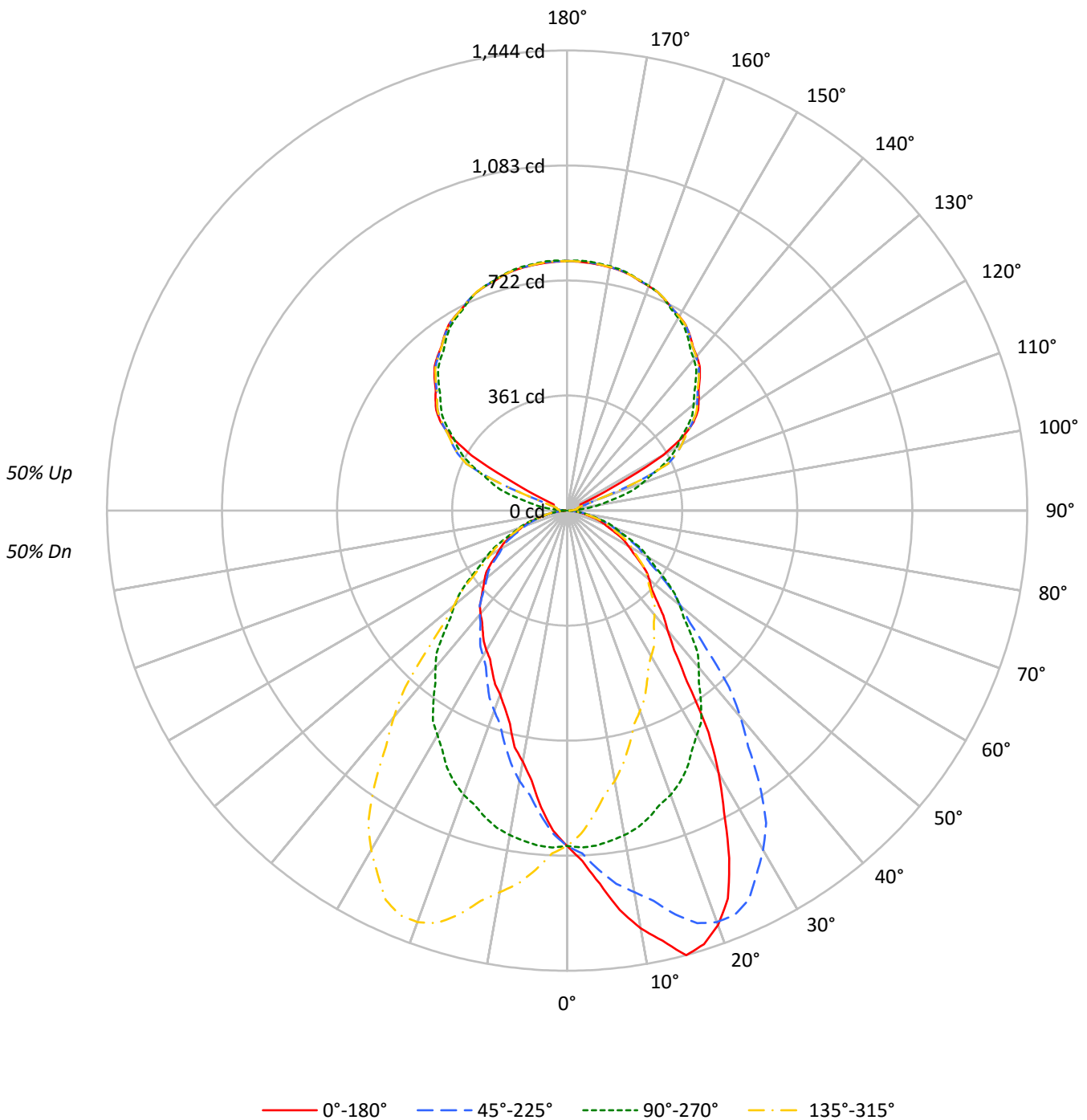
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37
3	82	73	66	61	76	68	62	57	58	53	50	49	46	43	40	38	36	32
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	60	48	40	34	55	44	37	33	38	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	20	18	16
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	17	15

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	2.2
10°-20°	291.3	6.3
20°-30°	422.8	9.2
30°-40°	446.2	9.7
40°-50°	395.0	8.6
50°-60°	315.3	6.8
60°-70°	214.3	4.6
70°-80°	109.9	2.4
80°-90°	28.4	0.6
90°-100°	26.1	0.6
100°-110°	95.8	2.1
110°-120°	256.1	5.5
120°-130°	422.7	9.2
130°-140°	449.6	9.7
140°-150°	417.8	9.0
150°-160°	335.9	7.3
160°-170°	216.5	4.7
170°-180°	74.5	1.6
0°-30°	814.3	17.6
0°-40°	1260.5	27.3
0°-60°	1970.8	42.7
0°-90°	2323.4	50.3
90°-120°	378.0	8.2
90°-150°	1668.1	36.1
90°-180°	2295.0	49.7
0°-180°	4618.4	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°	15	1	15	1	15	8
95°	24	37	24	37	24	23
105°	43	172	43	172	43	45
115°	46	326	46	326	46	116
125°	484	461	484	461	484	419
135°	589	570	589	570	589	454
145°	672	661	672	661	672	420
155°	729	728	729	728	729	336
165°	766	767	766	767	766	216
175°	780	785	780	785	780	74
180°	783	783	783	783	783	



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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°	11.5	11.4	11.7	11.3	11.2	11.5	11.4	10.9	11.1	11.3	11.5
90°	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6	12.0	11.3	10.3
92.5°	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8	13.5	13.2	12.7
95°	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4	22.7	22.1	21.2
97.5°	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6	30.1	29.5	27.6
100°	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3	33.3	32.3	30.2
102.5°	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8	34.5	33.2	31.1
105°	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3	36.0	34.5	32.9
107.5°	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6	47.0	48.4	49.9
110°	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0	86.6	99.2	135.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3	204.2	250.1	259.1
115°	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1	291.4	349.7	346.5
117.5°	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1	373.2	387.3	385.1
120°	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4	416.8	415.3	413.1
122.5°	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9	443.0	442.1	439.7
125°	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6	479.7	478.9	476.4
127.5°	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5	513.3	511.9	510.2
130°	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0	534.6	533.2	531.9
132.5°	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9	555.7	554.5	553.2
135°	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8	585.5	584.2	583.1
137.5°	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5	613.2	612.0	610.7
140°	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4	631.3	630.2	628.8
142.5°	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0	647.9	646.9	645.3
145°	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2	671.3	670.3	668.2
147.5°	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3	691.7	691.0	688.9
150°	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7	704.0	703.2	701.2
152.5°	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1	715.3	714.5	712.6
155°	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4	730.6	729.8	728.3
157.5°	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3	743.5	742.6	741.5
160°	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8	751.1	750.3	749.5
162.5°	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8	758.0	757.1	756.5
165°	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3	766.4	765.6	765.2
167.5°	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5	773.6	772.7	772.4
170°	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1	777.2	776.3	776.1
172.5°	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9	780.0	779.0	778.8
175°	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8	782.9	782.0	781.7
177.5°	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1	783.4	782.7	782.6
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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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°	11.6	11.3	11.2	11.6	10.3	10.1	8.5	7.2	7.2	7.1	6.7
90°	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6	2.0	3.3	4.8
92.5°	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4	11.3	11.2	11.1
95°	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8	32.7	28.5	24.4
97.5°	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1	61.4	49.7	37.9
100°	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3	83.0	65.8	48.6
102.5°	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2	126.6	122.9	119.3
105°	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3	176.0	179.8	183.6
107.5°	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2	223.2	226.3	229.3
110°	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0	253.7	256.4	259.0



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0	282.4	284.7	287.1
115°	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8	328.0	330.1	332.2
117.5°	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8	369.2	371.5	373.9
120°	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6	398.5	400.4	402.3
122.5°	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1	424.1	426.0	428.0
125°	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7	462.3	464.0	465.6
127.5°	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7	497.6	499.4	501.1
130°	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9	520.0	522.0	523.9
132.5°	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6	542.3	544.1	545.7
135°	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1	572.1	574.1	576.2
137.5°	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9	601.3	602.7	604.1
140°	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4	620.4	621.4	622.4
142.5°	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7	636.6	637.5	638.4
145°	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3	661.2	661.1	660.9
147.5°	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7	683.2	682.7	682.2
150°	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2	697.3	696.4	695.5
152.5°	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3	709.4	708.4	707.4
155°	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2	727.1	725.9	724.8
157.5°	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1	741.2	740.2	739.3
160°	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	749.5	748.8	748.0
162.5°	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6	756.8	756.1	755.3
165°	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3	766.5	765.8	765.0
167.5°	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5	773.8	773.0	772.3
170°	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6	777.8	777.1	776.3
172.5°	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3	780.5	779.8	779.0
175°	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8	783.9	783.1	782.2
177.5°	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4	784.7	784.0	783.3
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A

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°	6.7	6.7	6.5	6.7	6.6	6.5	6.3	6.4	6.5	6.0	6.1
90°	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6	13.2	13.9	14.3
92.5°	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8	14.1	14.4	14.7
95°	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4	24.0	24.6	24.9
97.5°	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6	31.1	31.6	31.9
100°	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3	35.3	36.4	37.0
102.5°	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8	37.2	38.4	39.3
105°	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3	38.7	40.1	41.0
107.5°	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6	44.1	42.8	42.3
110°	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0	61.4	48.8	42.8



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3	112.3	66.4	43.6
115°	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1	174.8	116.5	82.7
117.5°	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1	344.9	330.8	308.9
120°	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4	419.9	421.4	413.7
122.5°	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9	444.8	445.8	444.6
125°	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6	481.5	482.4	483.0
127.5°	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5	515.8	517.1	517.8
130°	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0	537.4	538.8	539.4
132.5°	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9	558.1	559.3	559.8
135°	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8	588.0	589.3	589.8
137.5°	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5	615.7	617.0	617.3
140°	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4	633.5	634.7	634.9
142.5°	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0	650.0	651.0	651.3
145°	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2	673.0	673.9	674.0
147.5°	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3	693.0	693.6	693.7
150°	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7	705.5	706.2	706.3
152.5°	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1	716.8	717.6	717.6
155°	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4	732.1	732.9	732.8
157.5°	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3	745.1	746.0	745.9
160°	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8	752.6	753.3	753.2
162.5°	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8	759.6	760.5	760.4
165°	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3	768.3	769.1	769.1
167.5°	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5	775.4	776.3	776.1
170°	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1	779.0	779.9	779.7
172.5°	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9	781.7	782.6	782.4
175°	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8	784.7	785.5	785.4
177.5°	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1	784.8	785.5	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-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°	6.2	5.9	5.9	5.6	5.9	5.9	6.2	6.1	6.0	6.5	6.4
90°	14.6	14.8	15.1	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6
92.5°	14.8	15.0	15.1	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8
95°	24.7	24.6	24.5	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6
100°	37.2	37.5	37.7	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3
102.5°	39.6	40.0	40.3	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8
105°	41.6	42.1	42.5	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3
107.5°	42.8	43.3	43.8	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6
110°	43.3	43.7	44.3	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0



TEST NUMBER: P331348-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	44.0	44.4	44.8	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3
115°	73.7	64.6	55.5	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1
117.5°	279.1	249.3	219.5	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1
120°	396.6	379.7	362.7	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4
122.5°	441.2	437.9	434.7	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9
125°	483.4	483.8	484.1	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6
127.5°	517.8	517.9	518.0	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5
130°	539.3	539.2	539.0	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0
132.5°	559.7	559.6	559.4	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9
135°	589.5	589.3	589.0	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8
137.5°	617.0	616.5	616.1	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5
140°	634.3	633.7	633.0	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4
142.5°	650.6	650.0	649.4	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0
145°	673.4	672.8	672.2	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2
147.5°	693.2	692.6	692.1	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3
150°	705.7	705.0	704.4	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7
152.5°	716.8	715.9	715.1	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1
155°	731.7	730.8	729.8	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4
157.5°	745.0	743.9	743.0	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3
160°	752.3	751.5	750.6	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8
162.5°	759.3	758.2	757.2	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8
165°	768.3	767.3	766.4	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3
167.5°	775.0	773.9	772.7	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5
170°	778.6	777.4	776.3	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1
172.5°	781.3	780.2	779.0	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9
175°	784.1	782.8	781.6	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8
177.5°	784.5	783.6	782.7	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-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°	6.3	6.5	6.6	6.7	6.5	6.7	6.7	6.7	7.1	7.2	7.2
90°	12.0	11.3	10.3	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6
92.5°	13.5	13.2	12.7	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4
95°	22.7	22.1	21.2	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8
97.5°	30.1	29.5	27.6	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1
100°	33.3	32.3	30.2	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3
102.5°	34.5	33.2	51.1	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2
105°	36.0	34.5	68.9	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3
107.5°	47.0	48.4	89.6	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2
110°	86.6	99.2	135.5	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0



TEST NUMBER: P331348-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	204.2	250.1	259.1	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0
115°	291.4	349.7	346.5	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8
117.5°	373.2	387.3	385.1	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8
120°	416.8	415.3	413.1	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6
122.5°	443.0	442.1	439.7	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1
125°	479.7	478.9	476.4	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7
127.5°	513.3	511.9	510.2	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7
130°	534.6	533.2	531.9	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9
132.5°	555.7	554.5	553.2	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6
135°	585.5	584.2	583.1	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1
137.5°	613.2	612.0	610.7	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9
140°	631.3	630.2	628.8	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4
142.5°	647.9	646.9	645.3	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7
145°	671.3	670.3	668.2	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3
147.5°	691.7	691.0	688.9	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7
150°	704.0	703.2	701.2	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2
152.5°	715.3	714.5	712.6	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3
155°	730.6	729.8	728.3	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2
157.5°	743.5	742.6	741.5	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1
160°	751.1	750.3	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3
162.5°	758.0	757.1	756.5	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6
165°	766.4	765.6	765.2	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3
167.5°	773.6	772.7	772.4	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5
170°	777.2	776.3	776.1	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6
172.5°	780.0	779.0	778.8	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3
175°	782.9	782.0	781.7	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8
177.5°	783.4	782.7	782.6	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331348-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-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°	8.5	10.1	10.3	11.6	11.2	11.3	11.6	11.5	11.3	11.1	10.9
90°	2.0	3.3	4.8	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6
92.5°	11.3	11.2	11.1	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8
95°	32.7	28.5	24.4	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4
97.5°	61.4	49.7	37.9	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6
100°	83.0	65.8	48.6	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3
102.5°	126.6	122.9	119.3	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8
105°	176.0	179.8	183.6	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3
107.5°	223.2	226.3	229.3	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6
110°	253.7	256.4	259.0	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.4	284.7	287.1	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3
115°	328.0	330.1	332.2	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1
117.5°	369.2	371.5	373.9	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1
120°	398.5	400.4	402.3	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4
122.5°	424.1	426.0	428.0	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9
125°	462.3	464.0	465.6	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6
127.5°	497.6	499.4	501.1	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5
130°	520.0	522.0	523.9	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0
132.5°	542.3	544.1	545.7	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9
135°	572.1	574.1	576.2	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8
137.5°	601.3	602.7	604.1	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5
140°	620.4	621.4	622.4	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4
142.5°	636.6	637.5	638.4	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0
145°	661.2	661.1	660.9	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2
147.5°	683.2	682.7	682.2	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3
150°	697.3	696.4	695.5	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7
152.5°	709.4	708.4	707.4	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1
155°	727.1	725.9	724.8	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4
157.5°	741.2	740.2	739.3	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3
160°	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8
162.5°	756.8	756.1	755.3	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8
165°	766.5	765.8	765.0	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3
167.5°	773.8	773.0	772.3	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5
170°	777.8	777.1	776.3	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1
172.5°	780.5	779.8	779.0	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9
175°	783.9	783.1	782.2	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8
177.5°	784.7	784.0	783.3	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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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°	11.4	11.5	11.2	11.3	11.7	11.4	11.5
90°	13.2	13.9	14.3	14.6	14.8	15.1	15.3
92.5°	14.1	14.4	14.7	14.8	15.0	15.1	15.3
95°	24.0	24.6	24.9	24.7	24.6	24.5	24.4
97.5°	31.1	31.6	31.9	32.1	32.2	32.4	32.6
100°	35.3	36.4	37.0	37.2	37.5	37.7	37.9
102.5°	37.2	38.4	39.3	39.6	40.0	40.3	40.7
105°	38.7	40.1	41.0	41.6	42.1	42.5	43.1
107.5°	44.1	42.8	42.3	42.8	43.3	43.8	44.3
110°	61.4	48.8	42.8	43.3	43.7	44.3	44.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	112.3	66.4	43.6	44.0	44.4	44.8	45.2
115°	174.8	116.5	82.7	73.7	64.6	55.5	46.5
117.5°	344.9	330.8	308.9	279.1	249.3	219.5	189.7
120°	419.9	421.4	413.7	396.6	379.7	362.7	345.7
122.5°	444.8	445.8	444.6	441.2	437.9	434.7	431.3
125°	481.5	482.4	483.0	483.4	483.8	484.1	484.5
127.5°	515.8	517.1	517.8	517.8	517.9	518.0	518.1
130°	537.4	538.8	539.4	539.3	539.2	539.0	538.9
132.5°	558.1	559.3	559.8	559.7	559.6	559.4	559.3
135°	588.0	589.3	589.8	589.5	589.3	589.0	588.7
137.5°	615.7	617.0	617.3	617.0	616.5	616.1	615.6
140°	633.5	634.7	634.9	634.3	633.7	633.0	632.4
142.5°	650.0	651.0	651.3	650.6	650.0	649.4	648.7
145°	673.0	673.9	674.0	673.4	672.8	672.2	671.5
147.5°	693.0	693.6	693.7	693.2	692.6	692.1	691.6
150°	705.5	706.2	706.3	705.7	705.0	704.4	703.8
152.5°	716.8	717.6	717.6	716.8	715.9	715.1	714.2
155°	732.1	732.9	732.8	731.7	730.8	729.8	728.7
157.5°	745.1	746.0	745.9	745.0	743.9	743.0	742.0
160°	752.6	753.3	753.2	752.3	751.5	750.6	749.7
162.5°	759.6	760.5	760.4	759.3	758.2	757.2	756.1
165°	768.3	769.1	769.1	768.3	767.3	766.4	765.6
167.5°	775.4	776.3	776.1	775.0	773.9	772.7	771.6
170°	779.0	779.9	779.7	778.6	777.4	776.3	775.2
172.5°	781.7	782.6	782.4	781.3	780.2	779.0	777.9
175°	784.7	785.5	785.4	784.1	782.8	781.6	780.3
177.5°	784.8	785.5	785.4	784.5	783.6	782.7	781.8
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2

(END OF REPORT)