

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: P331350-927

Luminaire Tested: **S122DIP-S675D725U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331350-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
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-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4565.1 lumens
Efficiency: N/A
Efficacy: 99.5 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

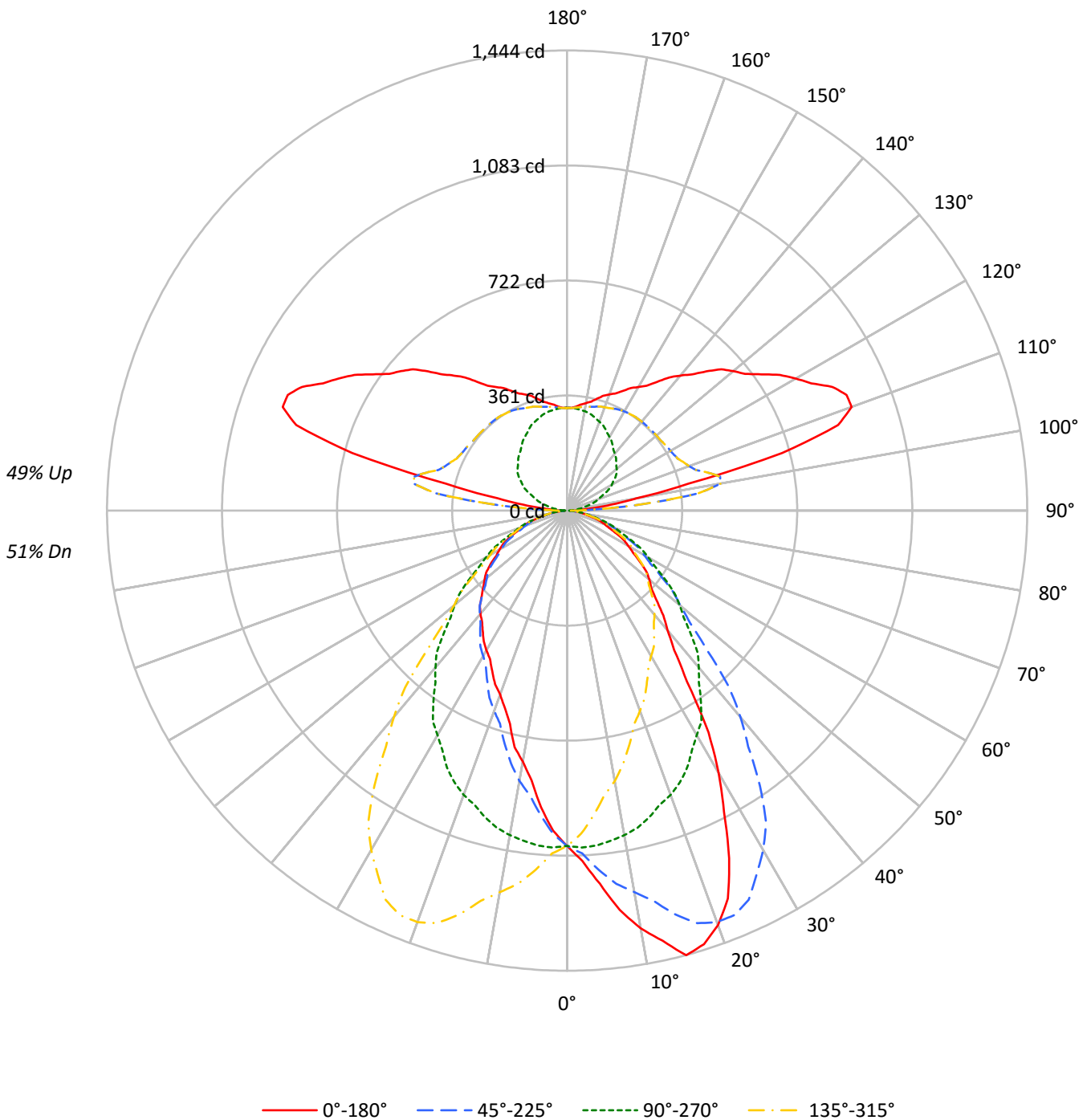
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	70	70	70	57	57	57	51
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	67	66	62	59	55	52	50	46	44	42	37
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	33	33	30	28	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	60	48	40	34	55	45	38	33	39	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	23	20	18
9	52	40	32	27	48	37	31	26	33	27	23	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	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	6.4
20°-30°	422.8	9.3
30°-40°	446.2	9.8
40°-50°	395.0	8.7
50°-60°	315.3	6.9
60°-70°	214.3	4.7
70°-80°	109.9	2.4
80°-90°	29.4	0.6
90°-100°	128.7	2.8
100°-110°	436.9	9.6
110°-120°	464.2	10.2
120°-130°	382.1	8.4
130°-140°	306.8	6.7
140°-150°	231.9	5.1
150°-160°	163.0	3.6
160°-170°	95.9	2.1
170°-180°	31.2	0.7
0°-30°	814.3	17.8
0°-40°	1260.5	27.6
0°-60°	1970.8	43.2
0°-90°	2324.3	50.9
90°-120°	1029.8	22.6
90°-150°	1950.7	42.7
90°-180°	2241.0	49.1
0°-180°	4565.1	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	12
95°	71	22	71	22	71	92
105°	698	76	698	76	698	675
115°	918	133	918	133	918	899
125°	745	186	745	186	745	673
135°	617	218	617	218	617	480
145°	493	249	493	249	493	313
155°	414	283	414	283	414	193
165°	364	308	364	308	364	104
175°	328	321	328	321	328	32
180°	322	322	322	322	322	



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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°	12.5	12.5	12.8	12.5	12.5	12.7	12.4	12.4	12.8	13.3	13.5
90°	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8	20.4	21.1	20.4
92.5°	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0	68.0	80.5	79.4
95°	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2	212.4	242.7	214.9
97.5°	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6	434.7	414.4	312.1
100°	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4	578.4	489.2	336.8
102.5°	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8	631.8	491.7	327.5
105°	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4	623.6	458.8	309.0
107.5°	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8	569.2	423.7	299.8
110°	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7	535.0	406.9	297.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1	511.3	395.9	298.3
115°	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9	481.8	384.0	301.0
117.5°	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0	463.2	378.1	305.4
120°	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1	453.3	374.6	308.4
122.5°	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8	444.9	372.6	311.9
125°	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3	432.8	369.1	317.0
127.5°	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2	421.7	366.9	322.4
130°	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7	414.3	366.0	326.4
132.5°	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9	408.4	365.5	330.3
135°	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3	400.1	364.7	335.0
137.5°	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1	394.2	364.6	339.2
140°	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6	390.8	364.1	341.2
142.5°	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7	387.3	364.1	342.7
145°	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9	382.7	362.9	344.3
147.5°	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3	378.0	360.7	344.8
150°	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9	374.0	359.2	344.3
152.5°	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4	370.6	356.7	343.3
155°	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9	364.1	352.4	341.8
157.5°	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1	358.1	347.9	339.0
160°	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6	353.6	344.9	337.5
162.5°	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2	349.6	342.5	336.0
165°	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0	343.1	337.5	333.2
167.5°	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2	336.6	333.2	330.3
170°	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3	333.2	330.7	328.8
172.5°	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8	329.7	327.7	326.9
175°	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9	325.1	324.5	323.8
177.5°	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5	322.5	322.0	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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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°	13.1	12.2	11.6	11.8	10.6	10.4	8.6	7.2	7.3	7.4	7.1
90°	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6	2.5	5.0	6.2
92.5°	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5	10.9	15.4	18.1
95°	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7	24.2	30.3	35.9
97.5°	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3	38.7	45.2	53.6
100°	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7	49.5	55.1	65.0
102.5°	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1	60.4	66.0	75.9
105°	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6	78.0	82.4	91.7
107.5°	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4	95.4	99.6	108.1
110°	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3	107.7	111.5	119.5



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1	118.7	122.9	130.4
115°	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2	136.3	140.0	147.3
117.5°	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8	153.2	156.9	163.5
120°	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6	164.1	167.8	173.4
122.5°	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1	174.0	177.7	183.8
125°	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8	187.7	191.3	198.8
127.5°	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7	199.2	204.4	212.5
130°	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1	205.6	211.8	220.5
132.5°	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1	212.1	218.7	227.9
135°	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0	220.5	227.9	237.2
137.5°	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4	229.3	236.8	246.7
140°	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8	235.3	242.7	252.6
142.5°	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2	241.3	248.2	258.1
145°	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9	251.4	257.6	266.9
147.5°	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4	261.2	267.1	275.7
150°	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3	268.2	273.1	281.1
152.5°	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2	274.1	279.0	286.1
155°	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0	283.6	287.3	294.1
157.5°	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2	291.8	294.8	300.7
160°	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6	297.2	299.7	304.7
162.5°	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1	301.7	304.2	308.2
165°	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4	307.8	309.0	312.8
167.5°	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6	312.8	313.9	316.3
170°	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0	315.8	316.4	318.3
172.5°	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0	318.3	317.9	319.8
175°	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4	320.8	320.1	321.4
177.5°	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5	321.5	321.0	322.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

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°	7.0	7.1	7.4	8.2	8.6	8.4	8.0	7.8	7.6	7.2	7.3
90°	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8	18.6	19.8	20.4
92.5°	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0	46.3	41.1	37.3
95°	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2	124.5	98.5	84.8
97.5°	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6	309.7	242.7	198.0
100°	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4	488.6	403.8	328.8
102.5°	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8	670.4	608.3	528.9
105°	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4	822.4	830.4	810.0
107.5°	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8	811.2	875.6	905.6
110°	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7	776.6	855.8	906.6



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1	735.4	820.1	878.4
115°	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9	679.3	760.4	824.2
117.5°	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0	633.7	707.3	767.1
120°	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1	610.0	675.6	732.0
122.5°	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8	590.2	652.3	703.2
125°	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3	564.1	618.6	665.0
127.5°	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2	538.8	590.3	633.1
130°	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7	522.0	570.9	611.8
132.5°	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9	506.2	551.1	589.5
135°	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3	481.2	522.0	556.7
137.5°	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1	461.2	493.7	523.9
140°	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6	448.4	476.8	504.1
142.5°	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7	437.0	461.4	484.3
145°	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9	422.3	441.6	459.5
147.5°	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3	410.4	425.4	438.6
150°	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9	402.5	415.5	426.7
152.5°	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4	396.1	407.1	416.8
155°	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9	385.8	395.1	401.9
157.5°	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1	375.4	383.2	388.5
160°	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6	368.4	375.3	379.6
162.5°	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2	362.0	367.8	371.2
165°	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0	352.4	356.7	359.2
167.5°	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2	343.6	346.5	348.8
170°	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3	338.1	340.6	341.8
172.5°	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8	333.2	335.2	335.9
175°	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9	327.6	328.2	328.8
177.5°	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5	323.5	324.0	324.0
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

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°	7.3	7.0	7.0	6.7	7.0	7.0	7.3	7.3	7.2	7.6	7.8
90°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.8	18.6	19.8
92.5°	36.8	34.8	35.3	34.3	35.3	34.8	36.8	37.3	41.1	46.3	54.0
95°	76.8	71.9	69.9	70.6	69.9	71.9	76.8	84.8	98.5	124.5	162.2
97.5°	168.4	153.2	144.2	138.9	144.2	153.2	168.4	198.0	242.7	309.7	378.6
100°	277.4	250.8	232.8	221.7	232.8	250.8	277.4	328.8	403.8	488.6	565.4
102.5°	473.1	427.6	405.2	390.1	405.2	427.6	473.1	528.9	608.3	670.4	687.8
105°	771.6	733.2	706.5	697.9	706.5	733.2	771.6	810.0	830.4	822.4	752.4
107.5°	910.5	908.3	903.0	891.4	903.0	908.3	910.5	905.6	875.6	811.2	705.8
110°	933.2	945.0	950.5	949.9	950.5	945.0	933.2	906.6	855.8	776.6	665.7



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	915.4	935.1	945.6	949.0	945.6	935.1	915.4	878.4	820.1	735.4	629.1
115°	868.2	896.7	912.8	918.4	912.8	896.7	868.2	824.2	760.4	679.3	583.9
117.5°	812.0	842.1	859.0	863.7	859.0	842.1	812.0	767.1	707.3	633.7	550.0
120°	775.3	804.4	822.4	828.5	822.4	804.4	775.3	732.0	675.6	610.0	533.1
122.5°	742.1	770.7	786.7	791.9	786.7	770.7	742.1	703.2	652.3	590.2	519.8
125°	701.0	724.5	740.0	745.0	740.0	724.5	701.0	665.0	618.6	564.1	500.3
127.5°	664.5	686.5	699.9	703.9	699.9	686.5	664.5	633.1	590.3	538.8	481.2
130°	642.1	663.2	675.6	680.6	675.6	663.2	642.1	611.8	570.9	522.0	468.7
132.5°	619.4	640.4	651.8	656.2	651.8	640.4	619.4	589.5	551.1	506.2	456.9
135°	583.4	603.8	614.9	617.4	614.9	603.8	583.4	556.7	522.0	481.2	440.3
137.5°	548.2	565.8	575.5	579.2	575.5	565.8	548.2	523.9	493.7	461.2	427.1
140°	523.9	540.0	549.3	553.0	549.3	540.0	523.9	504.1	476.8	448.4	418.6
142.5°	503.1	517.7	526.0	526.7	526.0	517.7	503.1	484.3	461.4	437.0	411.7
145°	474.4	484.9	491.1	492.9	491.1	484.9	474.4	459.5	441.6	422.3	401.9
147.5°	450.8	459.2	463.4	464.5	463.4	459.2	450.8	438.6	425.4	410.4	394.3
150°	435.9	443.4	447.1	447.7	447.1	443.4	435.9	426.7	415.5	402.5	388.9
152.5°	424.1	430.5	433.2	433.3	433.2	430.5	424.1	416.8	407.1	396.1	383.4
155°	408.7	413.0	415.5	414.3	415.5	413.0	408.7	401.9	395.1	385.8	375.9
157.5°	393.3	397.0	398.1	398.1	398.1	397.0	393.3	388.5	383.2	375.4	367.1
160°	384.0	387.1	387.6	387.6	387.6	387.1	384.0	379.6	375.3	368.4	361.6
162.5°	375.5	377.6	378.3	377.7	378.3	377.6	375.5	371.2	367.8	362.0	356.2
165°	361.6	364.1	364.1	363.5	364.1	364.1	361.6	359.2	356.7	352.4	348.0
167.5°	349.9	351.3	351.1	350.4	351.1	351.3	349.9	348.8	346.5	343.6	340.2
170°	342.5	344.3	343.6	342.5	343.6	344.3	342.5	341.8	340.6	338.1	336.3
172.5°	336.5	337.4	336.8	336.0	336.8	337.4	336.5	335.9	335.2	333.2	331.8
175°	328.8	329.5	328.8	327.6	328.8	329.5	328.8	328.8	328.2	327.6	326.9
177.5°	324.0	324.0	323.5	322.5	323.5	324.0	324.0	324.0	324.0	323.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

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°	8.0	8.4	8.6	8.2	7.4	7.1	7.0	7.1	7.4	7.3	7.2
90°	20.4	21.1	20.4	16.7	12.4	9.3	7.4	6.2	5.0	2.5	0.6
92.5°	68.0	80.5	79.4	61.8	42.1	28.1	22.3	18.1	15.4	10.9	7.5
95°	212.4	242.7	214.9	143.1	89.2	60.7	45.8	35.9	30.3	24.2	21.7
97.5°	434.7	414.4	312.1	192.7	117.6	81.8	65.0	53.6	45.2	38.7	35.3
100°	578.4	489.2	336.8	203.1	127.5	94.7	77.4	65.0	55.1	49.5	47.7
102.5°	631.8	491.7	327.5	203.6	136.5	106.2	88.8	75.9	66.0	60.4	59.1
105°	623.6	458.8	309.0	206.8	151.7	122.6	105.3	91.7	82.4	78.0	75.6
107.5°	569.2	423.7	299.8	215.4	167.3	139.1	121.6	108.1	99.6	95.4	93.4
110°	535.0	406.9	297.9	222.3	177.7	150.5	132.5	119.5	111.5	107.7	105.3



TEST NUMBER: P331350-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	511.3	395.9	298.3	229.7	187.7	161.4	142.9	130.4	122.9	118.7	116.1
115°	481.8	384.0	301.0	240.9	203.1	176.5	159.8	147.3	140.0	136.3	133.2
117.5°	463.2	378.1	305.4	252.8	217.4	192.7	175.4	163.5	156.9	153.2	150.8
120°	453.3	374.6	308.4	260.7	227.3	203.1	185.8	173.4	167.8	164.1	161.6
122.5°	444.9	372.6	311.9	267.7	236.7	214.0	196.1	183.8	177.7	174.0	172.1
125°	432.8	369.1	317.0	278.7	250.8	228.5	211.2	198.8	191.3	187.7	185.8
127.5°	421.7	366.9	322.4	288.9	264.0	242.2	224.4	212.5	204.4	199.2	196.7
130°	414.3	366.0	326.4	295.4	271.9	250.2	232.8	220.5	211.8	205.6	203.1
132.5°	408.4	365.5	330.3	301.8	278.8	258.1	240.7	227.9	218.7	212.1	209.1
135°	400.1	364.7	335.0	310.2	288.6	268.8	251.4	237.2	227.9	220.5	218.0
137.5°	394.2	364.6	339.2	316.7	296.5	276.9	260.9	246.7	236.8	229.3	226.4
140°	390.8	364.1	341.2	320.1	301.0	282.4	266.3	252.6	242.7	235.3	232.8
142.5°	387.3	364.1	342.7	323.1	304.4	286.4	271.2	258.1	248.2	241.3	239.2
145°	382.7	362.9	344.3	326.9	309.7	292.9	279.2	266.9	257.6	251.4	248.9
147.5°	378.0	360.7	344.8	329.1	313.9	298.1	286.0	275.7	267.1	261.2	259.4
150°	374.0	359.2	344.3	330.0	315.8	301.6	290.4	281.1	273.1	268.2	266.3
152.5°	370.6	356.7	343.3	330.6	317.8	305.1	294.9	286.1	279.0	274.1	273.2
155°	364.1	352.4	341.8	331.3	320.8	310.2	301.0	294.1	287.3	283.6	283.0
157.5°	358.1	347.9	339.0	331.3	322.9	313.9	306.2	300.7	294.8	291.8	291.2
160°	353.6	344.9	337.5	331.3	323.8	316.4	309.7	304.7	299.7	297.2	296.6
162.5°	349.6	342.5	336.0	330.8	324.4	317.9	312.6	308.2	304.2	301.7	302.1
165°	343.1	337.5	333.2	329.5	325.1	319.6	315.8	312.8	309.0	307.8	308.4
167.5°	336.6	333.2	330.3	328.6	325.0	320.9	318.5	316.3	313.9	312.8	313.6
170°	333.2	330.7	328.8	327.6	324.5	321.4	319.6	318.3	316.4	315.8	317.0
172.5°	329.7	327.7	326.9	326.1	324.0	321.9	320.5	319.8	317.9	318.3	319.0
175°	325.1	324.5	323.8	324.5	323.2	322.0	321.4	321.4	320.1	320.8	321.4
177.5°	322.5	322.0	322.5	323.5	322.5	322.0	322.0	322.0	321.0	321.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

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	10.4	10.6	11.8	11.6	12.2	13.1	13.5	13.3	12.8	12.4
90°	2.5	5.0	6.2	7.4	9.3	12.4	16.7	20.4	21.1	20.4	19.8
92.5°	10.9	15.4	18.1	22.3	28.1	42.1	61.8	79.4	80.5	68.0	54.0
95°	24.2	30.3	35.9	45.8	60.7	89.2	143.1	214.9	242.7	212.4	162.2
97.5°	38.7	45.2	53.6	65.0	81.8	117.6	192.7	312.1	414.4	434.7	378.6
100°	49.5	55.1	65.0	77.4	94.7	127.5	203.1	336.8	489.2	578.4	565.4
102.5°	60.4	66.0	75.9	88.8	106.2	136.5	203.6	327.5	491.7	631.8	687.8
105°	78.0	82.4	91.7	105.3	122.6	151.7	206.8	309.0	458.8	623.6	752.4
107.5°	95.4	99.6	108.1	121.6	139.1	167.3	215.4	299.8	423.7	569.2	705.8
110°	107.7	111.5	119.5	132.5	150.5	177.7	222.3	297.9	406.9	535.0	665.7



TEST NUMBER: P331350-927

CATALOG NUMBER: S122DIP-S675D725U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	118.7	122.9	130.4	142.9	161.4	187.7	229.7	298.3	395.9	511.3	629.1
115°	136.3	140.0	147.3	159.8	176.5	203.1	240.9	301.0	384.0	481.8	583.9
117.5°	153.2	156.9	163.5	175.4	192.7	217.4	252.8	305.4	378.1	463.2	550.0
120°	164.1	167.8	173.4	185.8	203.1	227.3	260.7	308.4	374.6	453.3	533.1
122.5°	174.0	177.7	183.8	196.1	214.0	236.7	267.7	311.9	372.6	444.9	519.8
125°	187.7	191.3	198.8	211.2	228.5	250.8	278.7	317.0	369.1	432.8	500.3
127.5°	199.2	204.4	212.5	224.4	242.2	264.0	288.9	322.4	366.9	421.7	481.2
130°	205.6	211.8	220.5	232.8	250.2	271.9	295.4	326.4	366.0	414.3	468.7
132.5°	212.1	218.7	227.9	240.7	258.1	278.8	301.8	330.3	365.5	408.4	456.9
135°	220.5	227.9	237.2	251.4	268.8	288.6	310.2	335.0	364.7	400.1	440.3
137.5°	229.3	236.8	246.7	260.9	276.9	296.5	316.7	339.2	364.6	394.2	427.1
140°	235.3	242.7	252.6	266.3	282.4	301.0	320.1	341.2	364.1	390.8	418.6
142.5°	241.3	248.2	258.1	271.2	286.4	304.4	323.1	342.7	364.1	387.3	411.7
145°	251.4	257.6	266.9	279.2	292.9	309.7	326.9	344.3	362.9	382.7	401.9
147.5°	261.2	267.1	275.7	286.0	298.1	313.9	329.1	344.8	360.7	378.0	394.3
150°	268.2	273.1	281.1	290.4	301.6	315.8	330.0	344.3	359.2	374.0	388.9
152.5°	274.1	279.0	286.1	294.9	305.1	317.8	330.6	343.3	356.7	370.6	383.4
155°	283.6	287.3	294.1	301.0	310.2	320.8	331.3	341.8	352.4	364.1	375.9
157.5°	291.8	294.8	300.7	306.2	313.9	322.9	331.3	339.0	347.9	358.1	367.1
160°	297.2	299.7	304.7	309.7	316.4	323.8	331.3	337.5	344.9	353.6	361.6
162.5°	301.7	304.2	308.2	312.6	317.9	324.4	330.8	336.0	342.5	349.6	356.2
165°	307.8	309.0	312.8	315.8	319.6	325.1	329.5	333.2	337.5	343.1	348.0
167.5°	312.8	313.9	316.3	318.5	320.9	325.0	328.6	330.3	333.2	336.6	340.2
170°	315.8	316.4	318.3	319.6	321.4	324.5	327.6	328.8	330.7	333.2	336.3
172.5°	318.3	317.9	319.8	320.5	321.9	324.0	326.1	326.9	327.7	329.7	331.8
175°	320.8	320.1	321.4	321.4	322.0	323.2	324.5	323.8	324.5	325.1	326.9
177.5°	321.5	321.0	322.0	322.0	322.0	322.5	323.5	322.5	322.0	322.5	323.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0



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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°	12.4	12.7	12.5	12.5	12.8	12.5	12.5
90°	18.6	19.8	20.4	20.4	20.4	20.4	20.4
92.5°	46.3	41.1	37.3	36.8	34.8	35.3	34.3
95°	124.5	98.5	84.8	76.8	71.9	69.9	70.6
97.5°	309.7	242.7	198.0	168.4	153.2	144.2	138.9
100°	488.6	403.8	328.8	277.4	250.8	232.8	221.7
102.5°	670.4	608.3	528.9	473.1	427.6	405.2	390.1
105°	822.4	830.4	810.0	771.6	733.2	706.5	697.9
107.5°	811.2	875.6	905.6	910.5	908.3	903.0	891.4
110°	776.6	855.8	906.6	933.2	945.0	950.5	949.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	735.4	820.1	878.4	915.4	935.1	945.6	949.0
115°	679.3	760.4	824.2	868.2	896.7	912.8	918.4
117.5°	633.7	707.3	767.1	812.0	842.1	859.0	863.7
120°	610.0	675.6	732.0	775.3	804.4	822.4	828.5
122.5°	590.2	652.3	703.2	742.1	770.7	786.7	791.9
125°	564.1	618.6	665.0	701.0	724.5	740.0	745.0
127.5°	538.8	590.3	633.1	664.5	686.5	699.9	703.9
130°	522.0	570.9	611.8	642.1	663.2	675.6	680.6
132.5°	506.2	551.1	589.5	619.4	640.4	651.8	656.2
135°	481.2	522.0	556.7	583.4	603.8	614.9	617.4
137.5°	461.2	493.7	523.9	548.2	565.8	575.5	579.2
140°	448.4	476.8	504.1	523.9	540.0	549.3	553.0
142.5°	437.0	461.4	484.3	503.1	517.7	526.0	526.7
145°	422.3	441.6	459.5	474.4	484.9	491.1	492.9
147.5°	410.4	425.4	438.6	450.8	459.2	463.4	464.5
150°	402.5	415.5	426.7	435.9	443.4	447.1	447.7
152.5°	396.1	407.1	416.8	424.1	430.5	433.2	433.3
155°	385.8	395.1	401.9	408.7	413.0	415.5	414.3
157.5°	375.4	383.2	388.5	393.3	397.0	398.1	398.1
160°	368.4	375.3	379.6	384.0	387.1	387.6	387.6
162.5°	362.0	367.8	371.2	375.5	377.6	378.3	377.7
165°	352.4	356.7	359.2	361.6	364.1	364.1	363.5
167.5°	343.6	346.5	348.8	349.9	351.3	351.1	350.4
170°	338.1	340.6	341.8	342.5	344.3	343.6	342.5
172.5°	333.2	335.2	335.9	336.5	337.4	336.8	336.0
175°	327.6	328.2	328.8	328.8	329.5	328.8	327.6
177.5°	323.5	324.0	324.0	324.0	324.0	323.5	322.5
180°	322.0	322.0	322.0	322.0	322.0	322.0	322.0

(END OF REPORT)