

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: P331350-930

Luminaire Tested: **S122DIP-S675D725U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331350-930
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-S675D725U930-4F0-1E-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: 4698.3 lumens
Efficiency: N/A
Efficacy: 102.4 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

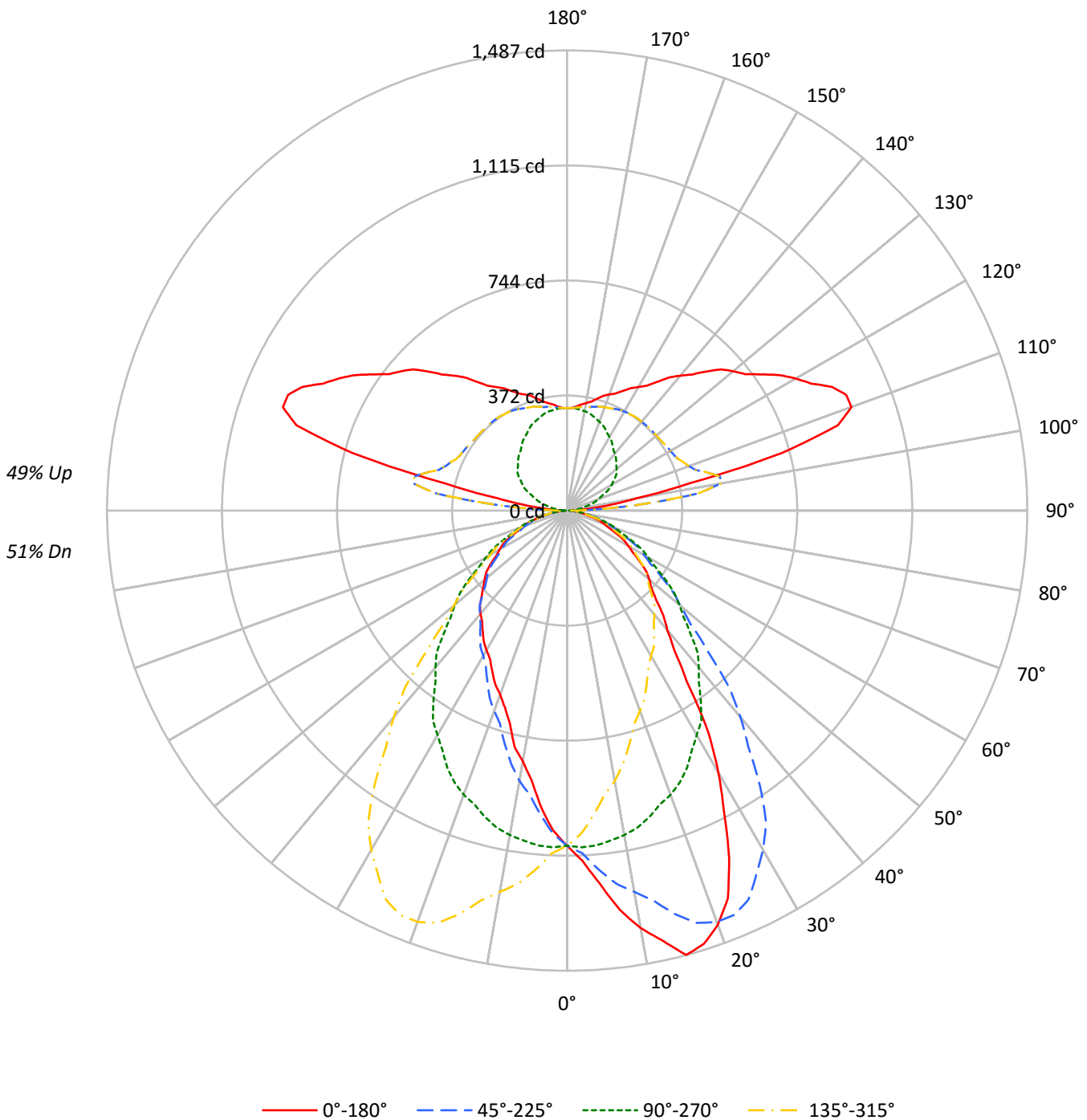
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331350-930

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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°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	2.2
10°-20°	299.8	6.4
20°-30°	435.1	9.3
30°-40°	459.2	9.8
40°-50°	406.6	8.7
50°-60°	324.5	6.9
60°-70°	220.5	4.7
70°-80°	113.1	2.4
80°-90°	30.2	0.6
90°-100°	132.5	2.8
100°-110°	449.7	9.6
110°-120°	477.7	10.2
120°-130°	393.2	8.4
130°-140°	315.8	6.7
140°-150°	238.6	5.1
150°-160°	167.7	3.6
160°-170°	98.7	2.1
170°-180°	32.1	0.7
0°-30°	838.1	17.8
0°-40°	1297.3	27.6
0°-60°	2028.3	43.2
0°-90°	2392.2	50.9
90°-120°	1059.9	22.6
90°-150°	2007.6	42.7
90°-180°	2306.0	49.1
0°-180°	4698.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	25
90°	21	1	21	1	21	12
95°	73	22	73	22	73	94
105°	718	78	718	78	718	695
115°	945	137	945	137	945	926
125°	767	191	767	191	767	693
135°	635	224	635	224	635	494
145°	507	256	507	256	507	322
155°	426	291	426	291	426	199
165°	374	317	374	317	374	107
175°	337	331	337	331	337	33
180°	331	331	331	331	331	



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	12.9	12.9	13.2	12.9	12.9	13.0	12.8	12.7	13.2	13.7	13.9
90°	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4	21.0	21.7	21.0
92.5°	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6	70.0	82.8	81.7
95°	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0	218.6	249.8	221.2
97.5°	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6	447.4	426.5	321.2
100°	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9	595.3	503.4	346.7
102.5°	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8	650.3	506.1	337.0
105°	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4	641.8	472.2	318.0
107.5°	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4	585.8	436.0	308.6
110°	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1	550.7	418.7	306.6



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4	526.2	407.5	307.0
115°	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0	495.9	395.2	309.7
117.5°	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1	476.7	389.1	314.3
120°	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7	466.5	385.6	317.4
122.5°	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0	457.9	383.5	321.0
125°	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9	445.5	379.8	326.3
127.5°	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2	434.0	377.6	331.8
130°	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4	426.4	376.7	335.9
132.5°	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2	420.3	376.2	340.0
135°	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1	411.7	375.4	344.8
137.5°	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5	405.7	375.3	349.1
140°	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8	402.2	374.7	351.1
142.5°	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7	398.6	374.7	352.7
145°	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6	393.9	373.5	354.3
147.5°	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9	389.1	371.2	354.9
150°	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2	384.9	369.7	354.3
152.5°	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6	381.4	367.1	353.4
155°	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9	374.7	362.6	351.8
157.5°	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8	368.5	358.1	348.9
160°	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2	363.9	355.0	347.3
162.5°	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6	359.8	352.5	345.8
165°	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2	353.1	347.3	342.9
167.5°	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2	346.4	342.9	340.0
170°	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1	342.9	340.3	338.4
172.5°	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4	339.3	337.3	336.4
175°	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5	334.6	333.9	333.3
177.5°	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0	331.9	331.4	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	13.5	12.6	11.9	12.1	10.9	10.7	8.8	7.4	7.5	7.7	7.3
90°	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7	2.5	5.1	6.4
92.5°	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7	11.3	15.8	18.6
95°	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3	24.9	31.2	36.9
97.5°	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4	39.8	46.6	55.2
100°	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1	51.0	56.7	66.9
102.5°	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8	62.2	67.9	78.1
105°	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8	80.3	84.8	94.3
107.5°	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1	98.2	102.5	111.3
110°	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4	110.9	114.7	123.0



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5	122.1	126.5	134.2
115°	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1	140.2	144.1	151.6
117.5°	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2	157.7	161.5	168.3
120°	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3	168.9	172.7	178.5
122.5°	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1	179.1	182.9	189.1
125°	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2	193.1	196.9	204.6
127.5°	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4	205.0	210.3	218.7
130°	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0	211.6	217.9	226.9
132.5°	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2	218.3	225.1	234.6
135°	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4	226.9	234.6	244.1
137.5°	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0	236.0	243.7	253.9
140°	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6	242.1	249.8	260.0
142.5°	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2	248.3	255.4	265.6
145°	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2	258.8	265.1	274.7
147.5°	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9	268.8	274.9	283.7
150°	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0	276.0	281.0	289.3
152.5°	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2	282.1	287.1	294.4
155°	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2	291.9	295.7	302.7
157.5°	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7	300.3	303.4	309.5
160°	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2	305.9	308.4	313.6
162.5°	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9	310.5	313.1	317.2
165°	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4	316.7	318.0	321.9
167.5°	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8	322.0	323.1	325.5
170°	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3	325.1	325.6	327.6
172.5°	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3	327.6	327.2	329.1
175°	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8	330.1	329.5	330.8
177.5°	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9	330.9	330.4	331.4
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	7.2	7.3	7.6	8.4	8.9	8.6	8.2	8.1	7.8	7.4	7.5
90°	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4	19.2	20.4	21.0
92.5°	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6	47.7	42.3	38.4
95°	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0	128.1	101.3	87.3
97.5°	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6	318.8	249.8	203.8
100°	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9	502.9	415.6	338.4
102.5°	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8	690.0	626.1	544.4
105°	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4	846.4	854.7	833.6
107.5°	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4	834.9	901.2	932.1
110°	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1	799.2	880.8	933.0



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4	756.8	844.1	904.0
115°	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0	699.1	782.6	848.2
117.5°	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1	652.2	728.0	789.5
120°	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7	627.8	695.3	753.3
122.5°	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0	607.4	671.3	723.7
125°	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9	580.6	636.7	684.4
127.5°	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2	554.6	607.5	651.6
130°	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4	537.3	587.6	629.7
132.5°	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2	521.0	567.2	606.7
135°	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1	495.2	537.3	572.9
137.5°	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5	474.7	508.1	539.2
140°	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8	461.5	490.7	518.8
142.5°	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7	449.7	474.9	498.4
145°	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6	434.6	454.4	472.9
147.5°	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9	422.4	437.8	451.3
150°	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2	414.3	427.6	439.1
152.5°	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6	407.6	419.0	428.9
155°	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9	397.1	406.6	413.6
157.5°	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8	386.4	394.4	399.8
160°	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2	379.2	386.2	390.7
162.5°	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6	372.6	378.5	382.0
165°	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2	362.6	367.1	369.7
167.5°	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2	353.6	356.6	359.0
170°	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1	348.0	350.5	351.8
172.5°	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4	342.9	345.0	345.7
175°	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5	337.1	337.8	338.4
177.5°	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0	333.0	333.5	333.5
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	7.5	7.2	7.2	6.8	7.2	7.2	7.5	7.5	7.4	7.8	8.1
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.2	20.4
92.5°	37.8	35.8	36.4	35.3	36.4	35.8	37.8	38.4	42.3	47.7	55.6
95°	79.0	73.9	72.0	72.6	72.0	73.9	79.0	87.3	101.3	128.1	167.0
97.5°	173.3	157.7	148.4	143.0	148.4	157.7	173.3	203.8	249.8	318.8	389.6
100°	285.5	258.1	239.6	228.1	239.6	258.1	285.5	338.4	415.6	502.9	581.9
102.5°	486.9	440.1	417.0	401.5	417.0	440.1	486.9	544.4	626.1	690.0	707.8
105°	794.1	754.6	727.2	718.3	727.2	754.6	794.1	833.6	854.7	846.4	774.4
107.5°	937.0	934.8	929.4	917.5	929.4	934.8	937.0	932.1	901.2	834.9	726.4
110°	960.4	972.6	978.3	977.6	978.3	972.6	960.4	933.0	880.8	799.2	685.1



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	942.1	962.4	973.2	976.6	973.2	962.4	942.1	904.0	844.1	756.8	647.4
115°	893.5	922.8	939.4	945.2	939.4	922.8	893.5	848.2	782.6	699.1	601.0
117.5°	835.7	866.7	884.1	888.9	884.1	866.7	835.7	789.5	728.0	652.2	566.1
120°	797.9	827.9	846.4	852.7	846.4	827.9	797.9	753.3	695.3	627.8	548.7
122.5°	763.8	793.2	809.7	815.0	809.7	793.2	763.8	723.7	671.3	607.4	535.0
125°	721.5	745.7	761.6	766.7	761.6	745.7	721.5	684.4	636.7	580.6	514.9
127.5°	683.9	706.5	720.3	724.4	720.3	706.5	683.9	651.6	607.5	554.6	495.2
130°	660.9	682.6	695.3	700.4	695.3	682.6	660.9	629.7	587.6	537.3	482.4
132.5°	637.5	659.1	670.8	675.4	670.8	659.1	637.5	606.7	567.2	521.0	470.2
135°	600.4	621.4	632.8	635.4	632.8	621.4	600.4	572.9	537.3	495.2	453.1
137.5°	564.2	582.3	592.3	596.1	592.3	582.3	564.2	539.2	508.1	474.7	439.5
140°	539.2	555.7	565.3	569.2	565.3	555.7	539.2	518.8	490.7	461.5	430.8
142.5°	517.8	532.8	541.4	542.1	541.4	532.8	517.8	498.4	474.9	449.7	423.7
145°	488.2	499.0	505.4	507.3	505.4	499.0	488.2	472.9	454.4	434.6	413.6
147.5°	464.0	472.6	477.0	478.1	477.0	472.6	464.0	451.3	437.8	422.4	405.9
150°	448.7	456.3	460.2	460.8	460.2	456.3	448.7	439.1	427.6	414.3	400.2
152.5°	436.4	443.0	445.9	446.0	445.9	443.0	436.4	428.9	419.0	407.6	394.6
155°	420.6	425.1	427.6	426.4	427.6	425.1	420.6	413.6	406.6	397.1	386.9
157.5°	404.8	408.5	409.7	409.7	409.7	408.5	404.8	399.8	394.4	386.4	377.8
160°	395.2	398.4	398.9	398.9	398.9	398.4	395.2	390.7	386.2	379.2	372.2
162.5°	386.5	388.7	389.3	388.7	389.3	388.7	386.5	382.0	378.5	372.6	366.6
165°	372.2	374.7	374.7	374.1	374.7	374.7	372.2	369.7	367.1	362.6	358.2
167.5°	360.1	361.5	361.3	360.6	361.3	361.5	360.1	359.0	356.6	353.6	350.2
170°	352.5	354.3	353.7	352.5	353.7	354.3	352.5	351.8	350.5	348.0	346.1
172.5°	346.3	347.2	346.6	345.8	346.6	347.2	346.3	345.7	345.0	342.9	341.4
175°	338.4	339.1	338.4	337.1	338.4	339.1	338.4	338.4	337.8	337.1	336.5
177.5°	333.5	333.5	333.0	331.9	333.0	333.5	333.5	333.5	333.5	333.0	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	8.2	8.6	8.9	8.4	7.6	7.3	7.2	7.3	7.7	7.5	7.4
90°	21.0	21.7	21.0	17.2	12.7	9.5	7.7	6.4	5.1	2.5	0.7
92.5°	70.0	82.8	81.7	63.6	43.4	28.9	22.9	18.6	15.8	11.3	7.7
95°	218.6	249.8	221.2	147.2	91.8	62.5	47.1	36.9	31.2	24.9	22.3
97.5°	447.4	426.5	321.2	198.4	121.1	84.2	66.9	55.2	46.6	39.8	36.4
100°	595.3	503.4	346.7	209.0	131.3	97.5	79.7	66.9	56.7	51.0	49.1
102.5°	650.3	506.1	337.0	209.5	140.5	109.3	91.4	78.1	67.9	62.2	60.8
105°	641.8	472.2	318.0	212.9	156.1	126.2	108.4	94.3	84.8	80.3	77.8
107.5°	585.8	436.0	308.6	221.7	172.2	143.2	125.1	111.3	102.5	98.2	96.1
110°	550.7	418.7	306.6	228.8	182.9	154.9	136.4	123.0	114.7	110.9	108.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	526.2	407.5	307.0	236.4	193.1	166.1	147.1	134.2	126.5	122.1	119.5
115°	495.9	395.2	309.7	247.9	209.0	181.6	164.4	151.6	144.1	140.2	137.1
117.5°	476.7	389.1	314.3	260.2	223.7	198.4	180.5	168.3	161.5	157.7	155.2
120°	466.5	385.6	317.4	268.3	233.9	209.0	191.2	178.5	172.7	168.9	166.3
122.5°	457.9	383.5	321.0	275.5	243.6	220.3	201.9	189.1	182.9	179.1	177.1
125°	445.5	379.8	326.3	286.8	258.1	235.1	217.4	204.6	196.9	193.1	191.2
127.5°	434.0	377.6	331.8	297.3	271.7	249.3	231.0	218.7	210.3	205.0	202.4
130°	426.4	376.7	335.9	304.0	279.8	257.5	239.6	226.9	217.9	211.6	209.0
132.5°	420.3	376.2	340.0	310.6	286.9	265.6	247.8	234.6	225.1	218.3	215.2
135°	411.7	375.4	344.8	319.3	297.0	276.6	258.8	244.1	234.6	226.9	224.4
137.5°	405.7	375.3	349.1	326.0	305.2	285.0	268.5	253.9	243.7	236.0	233.0
140°	402.2	374.7	351.1	329.5	309.7	290.7	274.0	260.0	249.8	242.1	239.6
142.5°	398.6	374.7	352.7	332.6	313.3	294.7	279.2	265.6	255.4	248.3	246.2
145°	393.9	373.5	354.3	336.5	318.7	301.4	287.4	274.7	265.1	258.8	256.2
147.5°	389.1	371.2	354.9	338.7	323.0	306.8	294.3	283.7	274.9	268.8	266.9
150°	384.9	369.7	354.3	339.7	325.1	310.4	298.9	289.3	281.0	276.0	274.0
152.5°	381.4	367.1	353.4	340.2	327.1	314.0	303.5	294.4	287.1	282.1	281.2
155°	374.7	362.6	351.8	341.0	330.1	319.3	309.7	302.7	295.7	291.9	291.2
157.5°	368.5	358.1	348.9	341.0	332.3	323.1	315.1	309.5	303.4	300.3	299.7
160°	363.9	355.0	347.3	341.0	333.3	325.6	318.7	313.6	308.4	305.9	305.2
162.5°	359.8	352.5	345.8	340.5	333.9	327.2	321.7	317.2	313.1	310.5	310.9
165°	353.1	347.3	342.9	339.1	334.6	328.9	325.1	321.9	318.0	316.7	317.4
167.5°	346.4	342.9	340.0	338.2	334.4	330.3	327.8	325.5	323.1	322.0	322.8
170°	342.9	340.3	338.4	337.1	333.9	330.8	328.9	327.6	325.6	325.1	326.3
172.5°	339.3	337.3	336.4	335.6	333.5	331.3	329.9	329.1	327.2	327.6	328.3
175°	334.6	333.9	333.3	333.9	332.6	331.4	330.8	330.8	329.5	330.1	330.8
177.5°	331.9	331.4	331.9	333.0	331.9	331.4	331.4	331.4	330.4	330.9	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	8.8	10.7	10.9	12.1	11.9	12.6	13.5	13.9	13.7	13.2	12.7
90°	2.5	5.1	6.4	7.7	9.5	12.7	17.2	21.0	21.7	21.0	20.4
92.5°	11.3	15.8	18.6	22.9	28.9	43.4	63.6	81.7	82.8	70.0	55.6
95°	24.9	31.2	36.9	47.1	62.5	91.8	147.2	221.2	249.8	218.6	167.0
97.5°	39.8	46.6	55.2	66.9	84.2	121.1	198.4	321.2	426.5	447.4	389.6
100°	51.0	56.7	66.9	79.7	97.5	131.3	209.0	346.7	503.4	595.3	581.9
102.5°	62.2	67.9	78.1	91.4	109.3	140.5	209.5	337.0	506.1	650.3	707.8
105°	80.3	84.8	94.3	108.4	126.2	156.1	212.9	318.0	472.2	641.8	774.4
107.5°	98.2	102.5	111.3	125.1	143.2	172.2	221.7	308.6	436.0	585.8	726.4
110°	110.9	114.7	123.0	136.4	154.9	182.9	228.8	306.6	418.7	550.7	685.1



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	122.1	126.5	134.2	147.1	166.1	193.1	236.4	307.0	407.5	526.2	647.4
115°	140.2	144.1	151.6	164.4	181.6	209.0	247.9	309.7	395.2	495.9	601.0
117.5°	157.7	161.5	168.3	180.5	198.4	223.7	260.2	314.3	389.1	476.7	566.1
120°	168.9	172.7	178.5	191.2	209.0	233.9	268.3	317.4	385.6	466.5	548.7
122.5°	179.1	182.9	189.1	201.9	220.3	243.6	275.5	321.0	383.5	457.9	535.0
125°	193.1	196.9	204.6	217.4	235.1	258.1	286.8	326.3	379.8	445.5	514.9
127.5°	205.0	210.3	218.7	231.0	249.3	271.7	297.3	331.8	377.6	434.0	495.2
130°	211.6	217.9	226.9	239.6	257.5	279.8	304.0	335.9	376.7	426.4	482.4
132.5°	218.3	225.1	234.6	247.8	265.6	286.9	310.6	340.0	376.2	420.3	470.2
135°	226.9	234.6	244.1	258.8	276.6	297.0	319.3	344.8	375.4	411.7	453.1
137.5°	236.0	243.7	253.9	268.5	285.0	305.2	326.0	349.1	375.3	405.7	439.5
140°	242.1	249.8	260.0	274.0	290.7	309.7	329.5	351.1	374.7	402.2	430.8
142.5°	248.3	255.4	265.6	279.2	294.7	313.3	332.6	352.7	374.7	398.6	423.7
145°	258.8	265.1	274.7	287.4	301.4	318.7	336.5	354.3	373.5	393.9	413.6
147.5°	268.8	274.9	283.7	294.3	306.8	323.0	338.7	354.9	371.2	389.1	405.9
150°	276.0	281.0	289.3	298.9	310.4	325.1	339.7	354.3	369.7	384.9	400.2
152.5°	282.1	287.1	294.4	303.5	314.0	327.1	340.2	353.4	367.1	381.4	394.6
155°	291.9	295.7	302.7	309.7	319.3	330.1	341.0	351.8	362.6	374.7	386.9
157.5°	300.3	303.4	309.5	315.1	323.1	332.3	341.0	348.9	358.1	368.5	377.8
160°	305.9	308.4	313.6	318.7	325.6	333.3	341.0	347.3	355.0	363.9	372.2
162.5°	310.5	313.1	317.2	321.7	327.2	333.9	340.5	345.8	352.5	359.8	366.6
165°	316.7	318.0	321.9	325.1	328.9	334.6	339.1	342.9	347.3	353.1	358.2
167.5°	322.0	323.1	325.5	327.8	330.3	334.4	338.2	340.0	342.9	346.4	350.2
170°	325.1	325.6	327.6	328.9	330.8	333.9	337.1	338.4	340.3	342.9	346.1
172.5°	327.6	327.2	329.1	329.9	331.3	333.5	335.6	336.4	337.3	339.3	341.4
175°	330.1	329.5	330.8	330.8	331.4	332.6	333.9	333.3	333.9	334.6	336.5
177.5°	330.9	330.4	331.4	331.4	331.4	331.9	333.0	331.9	331.4	331.9	333.0
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	12.8	13.0	12.9	12.9	13.2	12.9	12.9
90°	19.2	20.4	21.0	21.0	21.0	21.0	21.0
92.5°	47.7	42.3	38.4	37.8	35.8	36.4	35.3
95°	128.1	101.3	87.3	79.0	73.9	72.0	72.6
97.5°	318.8	249.8	203.8	173.3	157.7	148.4	143.0
100°	502.9	415.6	338.4	285.5	258.1	239.6	228.1
102.5°	690.0	626.1	544.4	486.9	440.1	417.0	401.5
105°	846.4	854.7	833.6	794.1	754.6	727.2	718.3
107.5°	834.9	901.2	932.1	937.0	934.8	929.4	917.5
110°	799.2	880.8	933.0	960.4	972.6	978.3	977.6



TEST NUMBER: P331350-930

CATALOG NUMBER: S122DIP-S675D725U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	756.8	844.1	904.0	942.1	962.4	973.2	976.6
115°	699.1	782.6	848.2	893.5	922.8	939.4	945.2
117.5°	652.2	728.0	789.5	835.7	866.7	884.1	888.9
120°	627.8	695.3	753.3	797.9	827.9	846.4	852.7
122.5°	607.4	671.3	723.7	763.8	793.2	809.7	815.0
125°	580.6	636.7	684.4	721.5	745.7	761.6	766.7
127.5°	554.6	607.5	651.6	683.9	706.5	720.3	724.4
130°	537.3	587.6	629.7	660.9	682.6	695.3	700.4
132.5°	521.0	567.2	606.7	637.5	659.1	670.8	675.4
135°	495.2	537.3	572.9	600.4	621.4	632.8	635.4
137.5°	474.7	508.1	539.2	564.2	582.3	592.3	596.1
140°	461.5	490.7	518.8	539.2	555.7	565.3	569.2
142.5°	449.7	474.9	498.4	517.8	532.8	541.4	542.1
145°	434.6	454.4	472.9	488.2	499.0	505.4	507.3
147.5°	422.4	437.8	451.3	464.0	472.6	477.0	478.1
150°	414.3	427.6	439.1	448.7	456.3	460.2	460.8
152.5°	407.6	419.0	428.9	436.4	443.0	445.9	446.0
155°	397.1	406.6	413.6	420.6	425.1	427.6	426.4
157.5°	386.4	394.4	399.8	404.8	408.5	409.7	409.7
160°	379.2	386.2	390.7	395.2	398.4	398.9	398.9
162.5°	372.6	378.5	382.0	386.5	388.7	389.3	388.7
165°	362.6	367.1	369.7	372.2	374.7	374.7	374.1
167.5°	353.6	356.6	359.0	360.1	361.5	361.3	360.6
170°	348.0	350.5	351.8	352.5	354.3	353.7	352.5
172.5°	342.9	345.0	345.7	346.3	347.2	346.6	345.8
175°	337.1	337.8	338.4	338.4	339.1	338.4	337.1
177.5°	333.0	333.5	333.5	333.5	333.5	333.0	331.9
180°	331.4	331.4	331.4	331.4	331.4	331.4	331.4

(END OF REPORT)