

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: P331339-935

Luminaire Tested: **S122DIP-S675D530U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331339-935
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-S675D530U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4344.4 lumens
Efficiency: N/A
Efficacy: 107.8 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

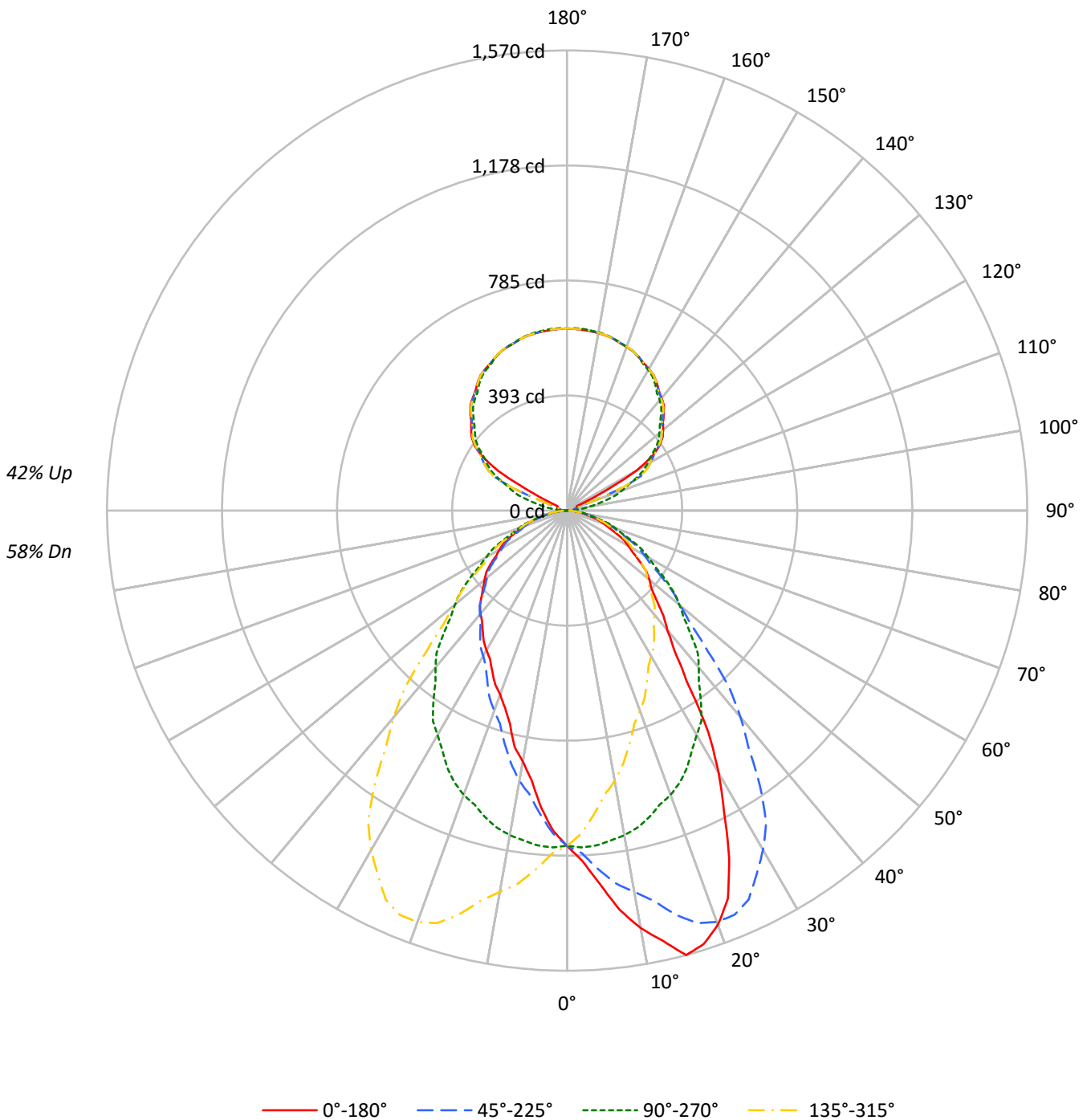
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331339-935

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58																			
1	100	96	92	89	93	90	86	84	78	76	73	67	65	64	57	56	55	50																			
2	92	84	79	74	85	79	74	69	69	65	62	60	57	54	51	49	47	43																			
3	84	75	68	62	78	70	64	59	61	56	53	53	50	46	46	43	41	37																			
4	77	67	59	53	72	63	56	50	55	50	45	48	44	40	41	38	36	32																			
5	71	60	52	46	66	56	49	44	49	44	39	43	39	35	37	34	31	28																			
6	66	54	46	40	61	51	44	38	45	39	35	39	35	31	34	31	28	25																			
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	28	25	23																			
8	57	45	37	32	53	42	35	30	37	32	28	33	28	25	29	25	23	20																			
9	53	41	33	28	49	39	32	27	34	29	25	31	26	23	27	23	21	19																			
10	50	38	30	26	46	36	29	25	32	26	23	28	24	21	25	21	19	17																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18466	18466	18466	18466
5°	20702	18585	16470	18585
10°	23722	18433	14254	18433
15°	26242	18094	12593	18094
20°	25844	17732	11478	17732
25°	23302	17250	10774	17250
30°	19257	16479	10260	16479
35°	14034	15672	9895	15672
40°	11209	14720	9691	14720
45°	9796	13618	9412	13618
50°	9206	12552	9231	12552
55°	8487	11468	8982	11468
60°	7776	10317	8603	10317
65°	7087	9287	8225	9287
70°	6430	8280	7676	8280
75°	5702	7155	6800	7155
80°	4909	5923	5477	5923
85°	4409	4409	3260	4409



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	2.5
10°-20°	316.6	7.3
20°-30°	459.5	10.6
30°-40°	484.9	11.2
40°-50°	429.4	9.9
50°-60°	342.6	7.9
60°-70°	232.9	5.4
70°-80°	119.4	2.7
80°-90°	30.3	0.7
90°-100°	20.7	0.5
100°-110°	76.0	1.7
110°-120°	203.0	4.7
120°-130°	335.2	7.7
130°-140°	356.5	8.2
140°-150°	331.3	7.6
150°-160°	266.4	6.1
160°-170°	171.7	4.0
170°-180°	59.1	1.4
0°-30°	885.1	20.4
0°-40°	1370.0	31.5
0°-60°	2142.0	49.3
0°-90°	2524.6	58.1
90°-120°	299.7	6.9
90°-150°	1322.7	30.4
90°-180°	1820.0	41.9
0°-180°	4344.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1277	1147	1016	1147	1277	128
15°	1570	1082	753	1082	1570	433
25°	1308	968	605	968	1308	591
35°	712	795	502	795	712	463
45°	429	596	412	596	429	337
55°	302	407	319	407	302	270
65°	186	243	215	243	186	184
75°	91	115	109	115	91	98
85°	24	24	18	24	24	26
90°	12	0	12	0	12	7
95°	19	29	19	29	19	18
105°	34	137	34	137	34	36
115°	37	258	37	258	37	92
125°	384	365	384	365	384	332
135°	467	452	467	452	467	360
145°	532	524	532	524	532	333
155°	578	577	578	577	578	267
165°	607	608	607	608	607	171
175°	619	622	619	622	619	59
180°	621	621	621	621	621	



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1196.4	1196.7	1197.5	1191.8	1191.1	1191.1	1186.2	1182.0	1177.1	1170.4	1171.0
5°	1277.3	1282.1	1283.8	1278.6	1270.7	1269.8	1262.3	1250.0	1238.5	1229.3	1222.8
7.5°	1373.8	1375.7	1371.4	1364.4	1358.6	1348.1	1334.1	1320.5	1301.4	1283.9	1270.9
10°	1446.9	1449.6	1442.1	1432.0	1423.7	1411.4	1391.1	1370.5	1345.4	1321.2	1301.8
12.5°	1502.4	1509.0	1499.4	1498.1	1483.8	1466.9	1442.8	1432.4	1397.1	1363.4	1342.6
15°	1569.9	1569.5	1570.5	1562.1	1551.5	1548.9	1523.4	1495.7	1446.0	1426.2	1392.0
17.5°	1550.5	1557.1	1560.2	1560.1	1559.9	1558.2	1550.1	1532.6	1507.7	1475.6	1436.0
20°	1504.1	1512.9	1514.2	1524.3	1530.0	1537.5	1540.5	1535.7	1520.4	1493.5	1459.2
22.5°	1432.4	1434.8	1438.9	1454.7	1467.1	1485.7	1495.6	1511.8	1505.9	1492.8	1464.1
25°	1308.0	1303.6	1319.1	1326.9	1355.5	1385.3	1407.0	1430.6	1451.7	1464.5	1456.1
27.5°	1158.7	1152.2	1175.2	1196.2	1219.4	1251.8	1285.4	1325.0	1358.0	1399.2	1413.3
30°	1032.9	1036.8	1058.9	1081.2	1116.4	1162.1	1199.9	1243.5	1290.5	1336.6	1368.6
32.5°	897.2	912.4	926.3	960.6	991.5	1042.6	1097.9	1152.4	1211.0	1263.4	1313.1
35°	712.0	729.6	749.0	774.0	817.5	868.1	922.1	995.5	1075.6	1147.2	1206.1
37.5°	599.3	596.5	607.6	625.7	661.0	701.7	764.0	836.5	930.7	1014.9	1097.9
40°	531.8	530.0	538.0	554.7	581.5	611.4	665.9	729.6	817.1	919.9	1018.8
42.5°	485.4	486.5	490.9	502.7	521.0	545.6	586.4	640.7	720.7	817.6	923.9
45°	429.0	432.0	436.9	442.6	453.1	473.4	496.2	534.9	598.2	679.1	783.7
47.5°	388.4	388.5	393.4	398.4	404.7	416.0	434.7	458.9	503.6	569.5	659.4
50°	366.5	363.5	367.0	370.9	377.5	385.5	397.8	420.6	450.5	503.7	578.9
52.5°	339.8	339.9	343.1	344.6	350.5	358.3	369.6	385.5	412.5	454.1	515.9
55°	301.5	303.7	305.5	308.1	313.4	319.1	327.9	338.5	359.6	390.7	436.4
57.5°	265.4	266.1	267.9	272.9	276.3	281.5	289.9	299.5	313.2	336.3	370.7
60°	240.8	240.8	244.4	246.6	251.0	256.2	262.9	272.1	284.4	303.2	331.0
62.5°	218.3	218.0	219.4	223.0	226.4	231.3	237.9	245.7	257.3	274.1	296.9
65°	185.5	184.6	187.3	188.1	191.7	196.5	201.7	210.1	219.3	231.6	251.8
67.5°	153.9	154.9	156.3	158.0	159.9	165.0	168.5	174.4	182.2	192.4	206.1
70°	136.2	136.2	136.2	137.6	140.2	142.8	146.4	151.2	158.7	167.5	179.8
72.5°	116.6	118.0	119.3	118.6	121.9	123.5	127.7	130.4	137.6	143.2	154.1
75°	91.4	91.4	91.4	93.6	95.0	96.3	98.9	101.5	105.0	112.1	117.8
77.5°	68.2	68.0	68.4	69.0	70.4	72.0	72.8	75.2	78.4	81.6	86.5
80°	52.8	53.6	54.1	54.9	54.9	55.8	56.2	59.3	61.6	63.7	66.8
82.5°	40.8	41.0	41.1	41.2	41.6	42.1	43.2	44.3	45.0	46.8	49.2
85°	23.8	23.3	23.3	24.2	23.8	23.8	24.6	25.5	25.5	25.9	27.2
87.5°	11.5	11.5	11.9	11.5	11.5	11.7	11.6	11.1	11.4	11.6	11.8
90°	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0	9.5	9.0	8.2
92.5°	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9	10.7	10.4	10.0
95°	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5	18.0	17.6	16.8
97.5°	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3	23.8	23.4	21.9
100°	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2	26.4	25.6	23.9
102.5°	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4	27.4	26.3	40.6
105°	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6	28.5	27.4	54.7
107.5°	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2	37.3	38.4	71.0
110°	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6	68.6	78.6	107.5



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4	161.9	198.4	205.4
115°	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8	231.0	277.2	274.7
117.5°	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7	295.9	307.0	305.4
120°	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7	330.5	329.3	327.5
122.5°	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0	351.3	350.6	348.6
125°	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1	380.4	379.7	377.8
127.5°	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9	406.9	406.0	404.5
130°	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0	424.0	422.8	421.7
132.5°	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6	440.7	439.7	438.6
135°	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3	464.3	463.2	462.4
137.5°	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2	486.3	485.3	484.2
140°	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4	500.6	499.6	498.5
142.5°	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6	513.8	513.0	511.7
145°	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0	532.3	531.6	529.9
147.5°	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0	548.5	547.9	546.2
150°	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8	558.2	557.6	556.0
152.5°	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8	567.2	566.6	565.1
155°	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0	579.4	578.8	577.6
157.5°	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1	589.4	588.8	588.0
160°	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1	595.6	595.0	594.3
162.5°	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7	601.0	600.3	599.8
165°	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5	607.8	607.0	606.7
167.5°	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1	613.4	612.7	612.4
170°	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0	616.3	615.6	615.4
172.5°	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1	618.5	617.8	617.5
175°	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5	620.8	620.1	619.8
177.5°	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7	621.2	620.6	620.5
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1173.5	1170.7	1169.0	1162.6	1157.0	1151.4	1149.6	1150.3	1142.6	1135.2	1132.0
5°	1219.3	1210.5	1202.1	1190.2	1176.2	1160.8	1152.9	1146.7	1131.4	1114.7	1105.0
7.5°	1260.2	1247.7	1231.6	1209.2	1188.8	1164.6	1149.2	1135.6	1113.0	1089.5	1075.0
10°	1285.2	1268.0	1247.3	1220.1	1195.1	1165.6	1145.0	1124.3	1097.9	1069.8	1052.2
12.5°	1306.7	1283.5	1263.2	1228.2	1198.6	1161.7	1137.2	1108.1	1080.4	1047.0	1029.8
15°	1357.7	1315.1	1276.3	1236.8	1200.3	1148.9	1121.7	1082.5	1046.0	1004.8	985.0
17.5°	1397.1	1349.3	1288.3	1238.0	1195.5	1138.6	1098.5	1051.7	1008.6	961.3	934.4
20°	1419.7	1364.7	1299.2	1239.5	1188.4	1123.4	1080.0	1032.0	981.5	928.2	899.2
22.5°	1433.0	1375.3	1310.5	1234.2	1174.4	1111.1	1056.4	1003.8	952.6	895.3	864.8
25°	1437.3	1384.5	1316.0	1229.8	1156.8	1085.2	1019.3	968.3	906.3	852.6	808.3
27.5°	1416.3	1378.5	1312.6	1221.5	1136.5	1052.7	979.3	921.5	856.1	797.9	753.3
30°	1390.7	1368.6	1304.5	1213.1	1120.3	1030.3	949.3	883.9	818.8	759.9	714.2
32.5°	1350.9	1346.2	1289.8	1201.1	1103.1	1001.8	918.1	851.9	779.8	721.9	678.4
35°	1272.9	1294.0	1258.4	1174.4	1070.7	961.2	870.7	795.1	720.4	665.0	624.1
37.5°	1168.3	1220.6	1211.3	1135.3	1026.9	917.1	817.2	738.1	666.9	611.1	570.9
40°	1096.1	1163.0	1172.7	1105.4	996.0	883.0	777.1	698.4	629.0	578.0	537.5
42.5°	1018.8	1096.9	1123.4	1069.5	962.2	847.1	741.2	659.7	591.0	541.4	505.6
45°	889.2	992.5	1040.3	1009.6	905.9	788.1	679.1	596.4	534.0	487.4	459.8
47.5°	767.9	880.8	945.2	934.4	843.2	726.5	618.8	539.5	478.7	441.5	416.7
50°	682.2	798.1	876.0	879.5	798.1	682.6	574.5	499.7	443.9	409.2	389.0
52.5°	607.6	718.3	803.2	821.8	747.9	636.9	534.8	460.4	411.2	379.3	361.2
55°	510.3	603.9	697.9	732.3	672.9	567.4	472.9	407.4	361.3	339.3	323.5
57.5°	424.2	502.3	589.2	627.1	590.5	500.2	411.6	354.7	317.3	298.0	285.9
60°	378.8	440.4	517.7	563.0	531.4	451.0	373.6	319.5	288.8	271.6	260.2
62.5°	336.7	391.2	456.6	498.0	480.8	404.9	335.6	287.9	261.3	245.2	237.0
65°	277.8	320.9	371.4	409.7	398.2	340.6	284.0	243.1	222.0	209.2	202.6
67.5°	228.8	259.8	294.9	328.4	319.2	278.4	232.9	201.0	185.3	174.4	170.4
70°	197.8	221.5	252.7	279.6	272.1	238.7	202.6	175.4	161.8	152.5	148.5
72.5°	168.2	187.8	211.5	233.5	228.4	200.7	170.7	150.1	139.6	131.0	127.8
75°	127.0	142.0	156.4	171.0	169.6	148.1	130.5	114.7	106.3	99.8	98.4
77.5°	93.8	102.1	112.0	120.6	118.2	105.9	92.1	83.1	76.9	72.5	71.8
80°	71.6	76.5	83.5	89.6	86.6	81.3	70.3	63.7	59.3	54.9	53.2
82.5°	51.9	56.8	61.0	64.3	62.0	57.1	50.3	45.8	43.1	40.2	39.4
85°	27.2	29.9	31.7	32.5	31.7	28.6	25.5	23.8	21.5	20.2	19.8
87.5°	12.1	11.9	11.7	12.2	10.9	10.8	9.1	7.8	7.7	7.6	7.1
90°	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4	1.5	2.7	3.7
92.5°	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0	9.0	8.9	8.8
95°	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2	25.9	22.6	19.3
97.5°	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9	48.6	39.4	30.1
100°	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6	65.9	52.2	38.5
102.5°	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2	100.4	97.5	94.5
105°	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6	139.6	142.6	145.6
107.5°	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6	177.0	179.4	181.8
110°	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1	201.1	203.3	205.3



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1	223.9	225.8	227.6
115°	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4	260.0	261.7	263.5
117.5°	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8	292.7	294.6	296.5
120°	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5	316.0	317.5	319.0
122.5°	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7	336.2	337.9	339.4
125°	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3	366.6	367.9	369.2
127.5°	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0	394.5	396.0	397.4
130°	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7	412.2	413.9	415.5
132.5°	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7	430.0	431.4	432.7
135°	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0	453.7	455.2	456.8
137.5°	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7	476.7	477.9	479.0
140°	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1	491.9	492.8	493.5
142.5°	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0	504.8	505.5	506.2
145°	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3	524.3	524.2	524.1
147.5°	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1	541.7	541.3	541.0
150°	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5	552.8	552.2	551.5
152.5°	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3	562.5	561.7	560.9
155°	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4	576.5	575.6	574.7
157.5°	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4	587.7	586.9	586.2
160°	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	594.3	593.7	593.1
162.5°	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6	600.0	599.4	598.8
165°	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4	607.8	607.2	606.6
167.5°	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2	613.5	612.9	612.3
170°	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3	616.8	616.2	615.6
172.5°	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6	619.0	618.4	617.8
175°	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3	621.6	621.0	620.3
177.5°	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8	622.2	621.6	621.1
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1128.5	1126.4	1119.0	1115.2	1108.8	1102.9	1099.0	1100.8	1102.2	1101.5	1100.4
5°	1096.1	1087.8	1075.0	1064.1	1056.2	1041.6	1035.5	1032.4	1029.8	1026.7	1023.6
7.5°	1057.7	1044.5	1026.2	1010.6	995.7	977.8	967.5	961.3	955.0	948.0	941.9
10°	1030.3	1011.8	992.5	970.4	952.9	936.6	922.1	912.5	903.7	895.4	889.2
12.5°	1001.4	980.2	956.2	926.2	906.8	883.6	881.3	864.3	850.6	845.4	838.2
15°	955.5	925.7	895.4	859.7	844.3	823.2	810.0	796.9	785.0	776.6	774.5
17.5°	903.4	864.7	834.6	809.0	783.8	762.2	750.0	739.4	729.7	718.5	717.0
20°	863.7	830.3	797.3	774.9	749.0	726.9	712.0	701.5	693.1	686.6	680.8
22.5°	826.0	789.5	759.3	734.8	709.2	691.5	679.7	669.5	662.5	655.2	649.9
25°	765.7	737.1	704.1	676.4	655.3	643.9	634.2	625.4	621.0	616.2	610.1
27.5°	712.8	681.1	650.2	628.8	610.3	600.1	593.2	587.3	583.2	580.3	576.9
30°	675.5	643.4	619.3	598.2	582.8	572.7	568.3	564.8	560.0	558.2	556.5
32.5°	639.7	610.8	590.1	571.8	557.2	550.5	546.5	543.4	539.6	537.8	534.3
35°	588.9	564.8	544.6	534.4	522.6	516.9	513.8	509.4	505.9	504.1	503.7
37.5°	541.2	520.2	507.0	494.0	489.0	485.4	481.2	478.2	477.2	476.9	476.5
40°	510.3	493.2	481.3	470.7	468.6	463.2	459.8	457.1	457.1	457.5	457.1
42.5°	482.2	466.7	456.3	447.2	444.6	441.4	437.9	437.7	438.5	440.0	438.5
45°	439.5	428.5	421.0	416.6	411.8	408.7	408.3	409.7	410.1	410.5	411.8
47.5°	400.3	393.0	386.2	381.4	379.3	378.8	378.2	380.6	382.6	383.4	385.5
50°	377.1	368.8	363.1	360.0	358.2	357.3	358.2	360.8	362.6	364.8	366.1
52.5°	351.1	345.2	341.2	338.9	338.2	338.7	338.9	341.9	344.7	345.4	346.1
55°	315.1	310.7	309.9	305.9	307.6	307.2	309.4	311.2	313.8	316.4	316.9
57.5°	279.3	275.8	273.4	273.7	274.2	276.2	278.0	281.1	284.0	286.7	287.0
60°	255.4	253.6	252.3	252.3	253.1	255.8	258.0	261.1	262.9	264.6	265.9
62.5°	233.6	231.8	230.5	231.2	233.5	235.1	237.6	239.3	241.0	242.8	243.4
65°	199.1	198.2	199.6	200.4	200.9	203.0	206.1	207.4	209.2	210.1	213.2
67.5°	167.4	167.6	167.4	168.6	171.2	171.7	174.6	177.6	178.0	179.7	181.7
70°	145.9	146.8	147.7	148.5	150.8	151.6	153.9	155.2	156.9	158.3	159.5
72.5°	126.2	126.4	127.3	127.1	129.0	130.9	132.8	134.1	135.8	137.5	138.8
75°	97.1	97.1	98.0	98.4	100.7	102.9	102.4	103.3	105.0	106.8	107.7
77.5°	70.9	70.0	70.9	71.4	72.1	74.0	74.3	75.5	77.5	76.9	77.9
80°	54.1	52.8	54.1	54.5	54.5	56.7	56.7	57.6	58.9	57.6	58.9
82.5°	38.6	38.0	38.9	39.0	39.7	39.8	40.6	40.7	42.0	41.4	42.0
85°	19.4	18.9	19.4	18.9	19.4	19.8	19.8	19.4	19.4	20.2	18.9
87.5°	7.0	6.8	6.6	6.7	6.5	6.4	6.1	6.2	6.3	5.7	5.8
90°	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0	10.5	11.0	11.4
92.5°	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9	11.2	11.5	11.6
95°	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5	19.0	19.5	19.7
97.5°	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3	24.6	25.1	25.3
100°	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2	28.0	28.8	29.3
102.5°	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4	29.4	30.5	31.2
105°	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6	30.7	31.8	32.5
107.5°	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2	35.0	33.9	33.6
110°	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6	48.6	38.7	33.9



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4	89.0	52.6	34.6
115°	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8	138.5	92.3	65.6
117.5°	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7	273.5	262.3	245.0
120°	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7	332.9	334.2	328.0
122.5°	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0	352.8	353.4	352.5
125°	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1	381.8	382.5	383.0
127.5°	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9	409.0	410.0	410.5
130°	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0	426.1	427.2	427.7
132.5°	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6	442.6	443.5	443.8
135°	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3	466.2	467.3	467.7
137.5°	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2	488.2	489.2	489.5
140°	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4	502.3	503.3	503.4
142.5°	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6	515.4	516.3	516.4
145°	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0	533.6	534.3	534.4
147.5°	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0	549.5	550.0	550.0
150°	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8	559.4	560.0	560.1
152.5°	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8	568.4	569.0	568.9
155°	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0	580.6	581.2	581.0
157.5°	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1	590.8	591.5	591.5
160°	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1	596.7	597.3	597.3
162.5°	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7	602.4	603.0	603.0
165°	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5	609.2	609.8	609.8
167.5°	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1	614.8	615.5	615.4
170°	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0	617.7	618.4	618.3
172.5°	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1	619.8	620.5	620.4
175°	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5	622.2	622.8	622.8
177.5°	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7	622.3	622.8	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1096.9	1096.1	1096.1	1093.0	1096.1	1096.1	1096.9	1100.4	1101.5	1102.2	1100.8
5°	1017.5	1016.2	1014.0	1016.2	1014.0	1016.2	1017.5	1023.6	1026.7	1029.8	1032.4
7.5°	939.0	933.8	933.0	927.7	933.0	933.8	939.0	941.9	948.0	955.0	961.3
10°	881.7	878.1	877.7	869.4	877.7	878.1	881.7	889.2	895.4	903.7	912.5
12.5°	838.1	829.7	831.3	826.5	831.3	829.7	838.1	838.2	845.4	850.6	864.3
15°	762.6	762.6	760.8	753.4	760.8	762.6	762.6	774.5	776.6	785.0	796.9
17.5°	708.3	707.5	703.3	705.3	703.3	707.5	708.3	717.0	718.5	729.7	739.4
20°	676.0	673.4	668.0	668.0	668.0	673.4	676.0	680.8	686.6	693.1	701.5
22.5°	645.4	645.2	639.6	641.4	639.6	645.2	645.4	649.9	655.2	662.5	669.5
25°	609.6	606.1	603.5	604.8	603.5	606.1	609.6	610.1	616.2	621.0	625.4
27.5°	575.7	573.8	573.6	570.0	573.6	573.8	575.7	576.9	580.3	583.2	587.3
30°	556.0	551.6	552.5	550.3	552.5	551.6	556.0	556.5	558.2	560.0	564.8
32.5°	533.5	531.9	531.1	529.2	531.1	531.9	533.5	534.3	537.8	539.6	543.4
35°	502.8	503.3	501.1	502.0	501.1	503.3	502.8	503.7	504.1	505.9	509.4
37.5°	476.0	477.4	476.4	476.6	476.4	477.4	476.0	476.5	476.9	477.2	478.2
40°	458.4	458.4	458.4	459.8	458.4	458.4	458.4	457.1	457.5	457.1	457.1
42.5°	441.5	440.8	440.1	440.1	440.1	440.8	441.5	438.5	440.0	438.5	437.7
45°	412.7	414.1	414.5	412.2	414.5	414.1	412.7	411.8	410.5	410.1	409.7
47.5°	386.6	386.8	386.6	388.6	386.6	386.8	386.6	385.5	383.4	382.6	380.6
50°	368.3	367.5	368.3	367.5	368.3	367.5	368.3	366.1	364.8	362.6	360.8
52.5°	349.0	349.1	348.6	348.4	348.6	349.1	349.0	346.1	345.4	344.7	341.9
55°	318.7	319.5	319.1	319.1	319.1	319.5	318.7	316.9	316.4	313.8	311.2
57.5°	287.3	288.1	288.7	286.7	288.7	288.1	287.3	287.0	286.7	284.0	281.1
60°	265.4	267.7	267.3	266.4	267.3	267.7	265.4	265.9	264.6	262.9	261.1
62.5°	245.5	246.2	246.2	246.0	246.2	246.2	245.5	243.4	242.8	241.0	239.3
65°	214.5	215.3	214.0	215.3	214.0	215.3	214.5	213.2	210.1	209.2	207.4
67.5°	181.2	181.4	182.4	183.0	182.4	181.4	181.2	181.7	179.7	178.0	177.6
70°	160.4	160.0	161.3	162.6	161.3	160.0	160.4	159.5	158.3	156.9	155.2
72.5°	138.6	139.6	139.1	140.1	139.1	139.6	138.6	138.8	137.5	135.8	134.1
75°	106.8	108.1	107.7	109.0	107.7	108.1	106.8	107.7	106.8	105.0	103.3
77.5°	77.1	77.3	77.1	77.9	77.1	77.3	77.1	77.9	76.9	77.5	75.5
80°	58.9	58.0	57.2	58.9	57.2	58.0	58.9	58.9	57.6	58.9	57.6
82.5°	41.0	41.5	40.6	40.6	40.6	41.5	41.0	42.0	41.4	42.0	40.7
85°	18.9	18.4	17.6	17.6	17.6	18.4	18.9	18.9	20.2	19.4	19.4
87.5°	5.9	5.5	5.5	5.3	5.5	5.5	5.9	5.8	5.7	6.3	6.2
90°	11.5	11.7	12.0	12.1	12.0	11.7	11.5	11.4	11.0	10.5	10.0
92.5°	11.8	11.9	12.1	12.1	12.1	11.9	11.8	11.6	11.5	11.2	10.9
95°	19.6	19.5	19.5	19.3	19.5	19.5	19.6	19.7	19.5	19.0	18.5
97.5°	25.4	25.6	25.7	25.8	25.7	25.6	25.4	25.3	25.1	24.6	24.3
100°	29.5	29.7	29.9	30.1	29.9	29.7	29.5	29.3	28.8	28.0	27.2
102.5°	31.4	31.7	31.9	32.3	31.9	31.7	31.4	31.2	30.5	29.4	28.4
105°	33.0	33.3	33.8	34.2	33.8	33.3	33.0	32.5	31.8	30.7	29.6
107.5°	33.9	34.4	34.7	35.1	34.7	34.4	33.9	33.6	33.9	35.0	36.2
110°	34.3	34.7	35.1	35.5	35.1	34.7	34.3	33.9	38.7	48.6	58.6



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	34.9	35.2	35.6	35.8	35.6	35.2	34.9	34.6	52.6	89.0	125.4
115°	58.4	51.2	44.0	36.9	44.0	51.2	58.4	65.6	92.3	138.5	184.8
117.5°	221.3	197.7	174.1	150.4	174.1	197.7	221.3	245.0	262.3	273.5	284.7
120°	314.5	301.1	287.6	274.1	287.6	301.1	314.5	328.0	334.2	332.9	331.7
122.5°	349.9	347.2	344.7	342.0	344.7	347.2	349.9	352.5	353.4	352.8	352.0
125°	383.3	383.6	383.9	384.2	383.9	383.6	383.3	383.0	382.5	381.8	381.1
127.5°	410.6	410.7	410.7	410.8	410.7	410.7	410.6	410.5	410.0	409.0	407.9
130°	427.6	427.5	427.4	427.3	427.4	427.5	427.6	427.7	427.2	426.1	425.0
132.5°	443.8	443.7	443.6	443.5	443.6	443.7	443.8	443.8	443.5	442.6	441.6
135°	467.4	467.3	467.1	466.8	467.1	467.3	467.4	467.7	467.3	466.2	465.3
137.5°	489.1	488.8	488.5	488.2	488.5	488.8	489.1	489.5	489.2	488.2	487.2
140°	502.9	502.5	502.0	501.4	502.0	502.5	502.9	503.4	503.3	502.3	501.4
142.5°	515.9	515.4	514.9	514.4	514.9	515.4	515.9	516.4	516.3	515.4	514.6
145°	534.0	533.5	533.0	532.4	533.0	533.5	534.0	534.4	534.3	533.6	533.0
147.5°	549.7	549.2	548.8	548.4	548.8	549.2	549.7	550.0	550.0	549.5	549.0
150°	559.6	559.0	558.5	558.1	558.5	559.0	559.6	560.1	560.0	559.4	558.8
152.5°	568.3	567.7	567.0	566.4	567.0	567.7	568.3	568.9	569.0	568.4	567.8
155°	580.2	579.5	578.7	577.8	578.7	579.5	580.2	581.0	581.2	580.6	580.0
157.5°	590.6	589.9	589.1	588.3	589.1	589.9	590.6	591.5	591.5	590.8	590.1
160°	596.6	595.9	595.1	594.4	595.1	595.9	596.6	597.3	597.3	596.7	596.1
162.5°	602.1	601.2	600.4	599.5	600.4	601.2	602.1	603.0	603.0	602.4	601.7
165°	609.2	608.5	607.8	607.0	607.8	608.5	609.2	609.8	609.8	609.2	608.5
167.5°	614.5	613.6	612.7	611.8	612.7	613.6	614.5	615.4	615.5	614.8	614.1
170°	617.3	616.5	615.6	614.7	615.6	616.5	617.3	618.3	618.4	617.7	617.0
172.5°	619.6	618.6	617.8	616.8	617.8	618.6	619.6	620.4	620.5	619.8	619.1
175°	621.7	620.7	619.7	618.7	619.7	620.7	621.7	622.8	622.8	622.2	621.5
177.5°	622.1	621.3	620.6	619.9	620.6	621.3	622.1	622.8	622.8	622.3	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1099.0	1102.9	1108.8	1115.2	1119.0	1126.4	1128.5	1132.0	1135.2	1142.6	1150.3
5°	1035.5	1041.6	1056.2	1064.1	1075.0	1087.8	1096.1	1105.0	1114.7	1131.4	1146.7
7.5°	967.5	977.8	995.7	1010.6	1026.2	1044.5	1057.7	1075.0	1089.5	1113.0	1135.6
10°	922.1	936.6	952.9	970.4	992.5	1011.8	1030.3	1052.2	1069.8	1097.9	1124.3
12.5°	881.3	883.6	906.8	926.2	956.2	980.2	1001.4	1029.8	1047.0	1080.4	1108.1
15°	810.0	823.2	844.3	859.7	895.4	925.7	955.5	985.0	1004.8	1046.0	1082.5
17.5°	750.0	762.2	783.8	809.0	834.6	864.7	903.4	934.4	961.3	1008.6	1051.7
20°	712.0	726.9	749.0	774.9	797.3	830.3	863.7	899.2	928.2	981.5	1032.0
22.5°	679.7	691.5	709.2	734.8	759.3	789.5	826.0	864.8	895.3	952.6	1003.8
25°	634.2	643.9	655.3	676.4	704.1	737.1	765.7	808.3	852.6	906.3	968.3
27.5°	593.2	600.1	610.3	628.8	650.2	681.1	712.8	753.3	797.9	856.1	921.5
30°	568.3	572.7	582.8	598.2	619.3	643.4	675.5	714.2	759.9	818.8	883.9
32.5°	546.5	550.5	557.2	571.8	590.1	610.8	639.7	678.4	721.9	779.8	851.9
35°	513.8	516.9	522.6	534.4	544.6	564.8	588.9	624.1	665.0	720.4	795.1
37.5°	481.2	485.4	489.0	494.0	507.0	520.2	541.2	570.9	611.1	666.9	738.1
40°	459.8	463.2	468.6	470.7	481.3	493.2	510.3	537.5	578.0	629.0	698.4
42.5°	437.9	441.4	444.6	447.2	456.3	466.7	482.2	505.6	541.4	591.0	659.7
45°	408.3	408.7	411.8	416.6	421.0	428.5	439.5	459.8	487.4	534.0	596.4
47.5°	378.2	378.8	379.3	381.4	386.2	393.0	400.3	416.7	441.5	478.7	539.5
50°	358.2	357.3	358.2	360.0	363.1	368.8	377.1	389.0	409.2	443.9	499.7
52.5°	338.9	338.7	338.2	338.9	341.2	345.2	351.1	361.2	379.3	411.2	460.4
55°	309.4	307.2	307.6	305.9	309.9	310.7	315.1	323.5	339.3	361.3	407.4
57.5°	278.0	276.2	274.2	273.7	273.4	275.8	279.3	285.9	298.0	317.3	354.7
60°	258.0	255.8	253.1	252.3	252.3	253.6	255.4	260.2	271.6	288.8	319.5
62.5°	237.6	235.1	233.5	231.2	230.5	231.8	233.6	237.0	245.2	261.3	287.9
65°	206.1	203.0	200.9	200.4	199.6	198.2	199.1	202.6	209.2	222.0	243.1
67.5°	174.6	171.7	171.2	168.6	167.4	167.6	167.4	170.4	174.4	185.3	201.0
70°	153.9	151.6	150.8	148.5	147.7	146.8	145.9	148.5	152.5	161.8	175.4
72.5°	132.8	130.9	129.0	127.1	127.3	126.4	126.2	127.8	131.0	139.6	150.1
75°	102.4	102.9	100.7	98.4	98.0	97.1	97.1	98.4	99.8	106.3	114.7
77.5°	74.3	74.0	72.1	71.4	70.9	70.0	70.9	71.8	72.5	76.9	83.1
80°	56.7	56.7	54.5	54.5	54.1	52.8	54.1	53.2	54.9	59.3	63.7
82.5°	40.6	39.8	39.7	39.0	38.9	38.0	38.6	39.4	40.2	43.1	45.8
85°	19.8	19.8	19.4	18.9	19.4	18.9	19.4	19.8	20.2	21.5	23.8
87.5°	6.1	6.4	6.5	6.7	6.6	6.8	7.0	7.1	7.6	7.7	7.8
90°	9.5	9.0	8.2	7.4	6.6	5.8	4.8	3.7	2.7	1.5	0.4
92.5°	10.7	10.4	10.0	9.6	9.2	8.9	8.7	8.8	8.9	9.0	9.0
95°	18.0	17.6	16.8	16.1	15.4	14.7	16.0	19.3	22.6	25.9	29.2
97.5°	23.8	23.4	21.9	20.2	18.6	17.0	20.8	30.1	39.4	48.6	57.9
100°	26.4	25.6	23.9	22.2	20.5	18.9	24.8	38.5	52.2	65.9	79.6
102.5°	27.4	26.3	40.6	54.8	69.0	83.1	91.7	94.5	97.5	100.4	103.2
105°	28.5	27.4	54.7	82.0	109.2	136.5	148.6	145.6	142.6	139.6	136.6
107.5°	37.3	38.4	71.0	103.8	136.5	169.1	184.3	181.8	179.4	177.0	174.6
110°	68.6	78.6	107.5	136.4	165.2	194.1	207.4	205.3	203.3	201.1	199.1



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	161.9	198.4	205.4	212.6	219.7	226.9	229.5	227.6	225.8	223.9	222.1
115°	231.0	277.2	274.7	272.2	269.8	267.3	265.2	263.5	261.7	260.0	258.4
117.5°	295.9	307.0	305.4	303.7	302.0	300.2	298.4	296.5	294.6	292.7	290.8
120°	330.5	329.3	327.5	325.8	324.0	322.2	320.6	319.0	317.5	316.0	314.5
122.5°	351.3	350.6	348.6	346.6	344.7	342.8	341.0	339.4	337.9	336.2	334.7
125°	380.4	379.7	377.8	375.9	374.0	372.1	370.5	369.2	367.9	366.6	365.3
127.5°	406.9	406.0	404.5	403.1	401.7	400.3	398.8	397.4	396.0	394.5	393.0
130°	424.0	422.8	421.7	420.6	419.6	418.4	417.1	415.5	413.9	412.2	410.7
132.5°	440.7	439.7	438.6	437.6	436.4	435.3	434.1	432.7	431.4	430.0	428.7
135°	464.3	463.2	462.4	461.5	460.5	459.7	458.4	456.8	455.2	453.7	452.0
137.5°	486.3	485.3	484.2	483.3	482.2	481.2	480.1	479.0	477.9	476.7	475.7
140°	500.6	499.6	498.5	497.5	496.4	495.2	494.3	493.5	492.8	491.9	491.1
142.5°	513.8	513.0	511.7	510.4	509.2	507.9	507.0	506.2	505.5	504.8	504.0
145°	532.3	531.6	529.9	528.1	526.5	524.8	524.0	524.1	524.2	524.3	524.3
147.5°	548.5	547.9	546.2	544.6	542.9	541.2	540.5	541.0	541.3	541.7	542.1
150°	558.2	557.6	556.0	554.4	552.8	551.2	550.8	551.5	552.2	552.8	553.5
152.5°	567.2	566.6	565.1	563.6	562.1	560.5	560.2	560.9	561.7	562.5	563.3
155°	579.4	578.8	577.6	576.4	575.1	573.9	573.8	574.7	575.6	576.5	577.4
157.5°	589.4	588.8	588.0	587.1	586.3	585.5	585.4	586.2	586.9	587.7	588.4
160°	595.6	595.0	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0
162.5°	601.0	600.3	599.8	599.3	598.7	598.2	598.3	598.8	599.4	600.0	600.6
165°	607.8	607.0	606.7	606.4	606.1	605.9	606.0	606.6	607.2	607.8	608.4
167.5°	613.4	612.7	612.4	612.2	611.8	611.6	611.7	612.3	612.9	613.5	614.2
170°	616.3	615.6	615.4	615.2	615.0	614.8	615.0	615.6	616.2	616.8	617.3
172.5°	618.5	617.8	617.5	617.3	617.2	616.9	617.2	617.8	618.4	619.0	619.6
175°	620.8	620.1	619.8	619.7	619.5	619.3	619.5	620.3	621.0	621.6	622.3
177.5°	621.2	620.6	620.5	620.4	620.4	620.3	620.5	621.1	621.6	622.2	622.8
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1149.6	1151.4	1157.0	1162.6	1169.0	1170.7	1173.5	1171.0	1170.4	1177.1	1182.0
5°	1152.9	1160.8	1176.2	1190.2	1202.1	1210.5	1219.3	1222.8	1229.3	1238.5	1250.0
7.5°	1149.2	1164.6	1188.8	1209.2	1231.6	1247.7	1260.2	1270.9	1283.9	1301.4	1320.5
10°	1145.0	1165.6	1195.1	1220.1	1247.3	1268.0	1285.2	1301.8	1321.2	1345.4	1370.5
12.5°	1137.2	1161.7	1198.6	1228.2	1263.2	1283.5	1306.7	1342.6	1363.4	1397.1	1432.4
15°	1121.7	1148.9	1200.3	1236.8	1276.3	1315.1	1357.7	1392.0	1426.2	1446.0	1495.7
17.5°	1098.5	1138.6	1195.5	1238.0	1288.3	1349.3	1397.1	1436.0	1475.6	1507.7	1532.6
20°	1080.0	1123.4	1188.4	1239.5	1299.2	1364.7	1419.7	1459.2	1493.5	1520.4	1535.7
22.5°	1056.4	1111.1	1174.4	1234.2	1310.5	1375.3	1433.0	1464.1	1492.8	1505.9	1511.8
25°	1019.3	1085.2	1156.8	1229.8	1316.0	1384.5	1437.3	1456.1	1464.5	1451.7	1430.6
27.5°	979.3	1052.7	1136.5	1221.5	1312.6	1378.5	1416.3	1413.3	1399.2	1358.0	1325.0
30°	949.3	1030.3	1120.3	1213.1	1304.5	1368.6	1390.7	1368.6	1336.6	1290.5	1243.5
32.5°	918.1	1001.8	1103.1	1201.1	1289.8	1346.2	1350.9	1313.1	1263.4	1211.0	1152.4
35°	870.7	961.2	1070.7	1174.4	1258.4	1294.0	1272.9	1206.1	1147.2	1075.6	995.5
37.5°	817.2	917.1	1026.9	1135.3	1211.3	1220.6	1168.3	1097.9	1014.9	930.7	836.5
40°	777.1	883.0	996.0	1105.4	1172.7	1163.0	1096.1	1018.8	919.9	817.1	729.6
42.5°	741.2	847.1	962.2	1069.5	1123.4	1096.9	1018.8	923.9	817.6	720.7	640.7
45°	679.1	788.1	905.9	1009.6	1040.3	992.5	889.2	783.7	679.1	598.2	534.9
47.5°	618.8	726.5	843.2	934.4	945.2	880.8	767.9	659.4	569.5	503.6	458.9
50°	574.5	682.6	798.1	879.5	876.0	798.1	682.2	578.9	503.7	450.5	420.6
52.5°	534.8	636.9	747.9	821.8	803.2	718.3	607.6	515.9	454.1	412.5	385.5
55°	472.9	567.4	672.9	732.3	697.9	603.9	510.3	436.4	390.7	359.6	338.5
57.5°	411.6	500.2	590.5	627.1	589.2	502.3	424.2	370.7	336.3	313.2	299.5
60°	373.6	451.0	531.4	563.0	517.7	440.4	378.8	331.0	303.2	284.4	272.1
62.5°	335.6	404.9	480.8	498.0	456.6	391.2	336.7	296.9	274.1	257.3	245.7
65°	284.0	340.6	398.2	409.7	371.4	320.9	277.8	251.8	231.6	219.3	210.1
67.5°	232.9	278.4	319.2	328.4	294.9	259.8	228.8	206.1	192.4	182.2	174.4
70°	202.6	238.7	272.1	279.6	252.7	221.5	197.8	179.8	167.5	158.7	151.2
72.5°	170.7	200.7	228.4	233.5	211.5	187.8	168.2	154.1	143.2	137.6	130.4
75°	130.5	148.1	169.6	171.0	156.4	142.0	127.0	117.8	112.1	105.0	101.5
77.5°	92.1	105.9	118.2	120.6	112.0	102.1	93.8	86.5	81.6	78.4	75.2
80°	70.3	81.3	86.6	89.6	83.5	76.5	71.6	66.8	63.7	61.6	59.3
82.5°	50.3	57.1	62.0	64.3	61.0	56.8	51.9	49.2	46.8	45.0	44.3
85°	25.5	28.6	31.7	32.5	31.7	29.9	27.2	27.2	25.9	25.5	25.5
87.5°	9.1	10.8	10.9	12.2	11.7	11.9	12.1	11.8	11.6	11.4	11.1
90°	1.5	2.7	3.7	4.8	5.8	6.6	7.4	8.2	9.0	9.5	10.0
92.5°	9.0	8.9	8.8	8.7	8.9	9.2	9.6	10.0	10.4	10.7	10.9
95°	25.9	22.6	19.3	16.0	14.7	15.4	16.1	16.8	17.6	18.0	18.5
97.5°	48.6	39.4	30.1	20.8	17.0	18.6	20.2	21.9	23.4	23.8	24.3
100°	65.9	52.2	38.5	24.8	18.9	20.5	22.2	23.9	25.6	26.4	27.2
102.5°	100.4	97.5	94.5	91.7	83.1	69.0	54.8	40.6	26.3	27.4	28.4
105°	139.6	142.6	145.6	148.6	136.5	109.2	82.0	54.7	27.4	28.5	29.6
107.5°	177.0	179.4	181.8	184.3	169.1	136.5	103.8	71.0	38.4	37.3	36.2
110°	201.1	203.3	205.3	207.4	194.1	165.2	136.4	107.5	78.6	68.6	58.6



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	223.9	225.8	227.6	229.5	226.9	219.7	212.6	205.4	198.4	161.9	125.4
115°	260.0	261.7	263.5	265.2	267.3	269.8	272.2	274.7	277.2	231.0	184.8
117.5°	292.7	294.6	296.5	298.4	300.2	302.0	303.7	305.4	307.0	295.9	284.7
120°	316.0	317.5	319.0	320.6	322.2	324.0	325.8	327.5	329.3	330.5	331.7
122.5°	336.2	337.9	339.4	341.0	342.8	344.7	346.6	348.6	350.6	351.3	352.0
125°	366.6	367.9	369.2	370.5	372.1	374.0	375.9	377.8	379.7	380.4	381.1
127.5°	394.5	396.0	397.4	398.8	400.3	401.7	403.1	404.5	406.0	406.9	407.9
130°	412.2	413.9	415.5	417.1	418.4	419.6	420.6	421.7	422.8	424.0	425.0
132.5°	430.0	431.4	432.7	434.1	435.3	436.4	437.6	438.6	439.7	440.7	441.6
135°	453.7	455.2	456.8	458.4	459.7	460.5	461.5	462.4	463.2	464.3	465.3
137.5°	476.7	477.9	479.0	480.1	481.2	482.2	483.3	484.2	485.3	486.3	487.2
140°	491.9	492.8	493.5	494.3	495.2	496.4	497.5	498.5	499.6	500.6	501.4
142.5°	504.8	505.5	506.2	507.0	507.9	509.2	510.4	511.7	513.0	513.8	514.6
145°	524.3	524.2	524.1	524.0	524.8	526.5	528.1	529.9	531.6	532.3	533.0
147.5°	541.7	541.3	541.0	540.5	541.2	542.9	544.6	546.2	547.9	548.5	549.0
150°	552.8	552.2	551.5	550.8	551.2	552.8	554.4	556.0	557.6	558.2	558.8
152.5°	562.5	561.7	560.9	560.2	560.5	562.1	563.6	565.1	566.6	567.2	567.8
155°	576.5	575.6	574.7	573.8	573.9	575.1	576.4	577.6	578.8	579.4	580.0
157.5°	587.7	586.9	586.2	585.4	585.5	586.3	587.1	588.0	588.8	589.4	590.1
160°	594.3	593.7	593.1	592.5	592.5	593.1	593.7	594.3	595.0	595.6	596.1
162.5°	600.0	599.4	598.8	598.3	598.2	598.7	599.3	599.8	600.3	601.0	601.7
165°	607.8	607.2	606.6	606.0	605.9	606.1	606.4	606.7	607.0	607.8	608.5
167.5°	613.5	612.9	612.3	611.7	611.6	611.8	612.2	612.4	612.7	613.4	614.1
170°	616.8	616.2	615.6	615.0	614.8	615.0	615.2	615.4	615.6	616.3	617.0
172.5°	619.0	618.4	617.8	617.2	616.9	617.2	617.3	617.5	617.8	618.5	619.1
175°	621.6	621.0	620.3	619.5	619.3	619.5	619.7	619.8	620.1	620.8	621.5
177.5°	622.2	621.6	621.1	620.5	620.3	620.4	620.4	620.5	620.6	621.2	621.7
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0	621.0



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1186.2	1191.1	1191.1	1191.8	1197.5	1196.7	1196.4
5°	1262.3	1269.8	1270.7	1278.6	1283.8	1282.1	1277.3
7.5°	1334.1	1348.1	1358.6	1364.4	1371.4	1375.7	1373.8
10°	1391.1	1411.4	1423.7	1432.0	1442.1	1449.6	1446.9
12.5°	1442.8	1466.9	1483.8	1498.1	1499.4	1509.0	1502.4
15°	1523.4	1548.9	1551.5	1562.1	1570.5	1569.5	1569.9
17.5°	1550.1	1558.2	1559.9	1560.1	1560.2	1557.1	1550.5
20°	1540.5	1537.5	1530.0	1524.3	1514.2	1512.9	1504.1
22.5°	1495.6	1485.7	1467.1	1454.7	1438.9	1434.8	1432.4
25°	1407.0	1385.3	1355.5	1326.9	1319.1	1303.6	1308.0
27.5°	1285.4	1251.8	1219.4	1196.2	1175.2	1152.2	1158.7
30°	1199.9	1162.1	1116.4	1081.2	1058.9	1036.8	1032.9
32.5°	1097.9	1042.6	991.5	960.6	926.3	912.4	897.2
35°	922.1	868.1	817.5	774.0	749.0	729.6	712.0
37.5°	764.0	701.7	661.0	625.7	607.6	596.5	599.3
40°	665.9	611.4	581.5	554.7	538.0	530.0	531.8
42.5°	586.4	545.6	521.0	502.7	490.9	486.5	485.4
45°	496.2	473.4	453.1	442.6	436.9	432.0	429.0
47.5°	434.7	416.0	404.7	398.4	393.4	388.5	388.4
50°	397.8	385.5	377.5	370.9	367.0	363.5	366.5
52.5°	369.6	358.3	350.5	344.6	343.1	339.9	339.8
55°	327.9	319.1	313.4	308.1	305.5	303.7	301.5
57.5°	289.9	281.5	276.3	272.9	267.9	266.1	265.4
60°	262.9	256.2	251.0	246.6	244.4	240.8	240.8
62.5°	237.9	231.3	226.4	223.0	219.4	218.0	218.3
65°	201.7	196.5	191.7	188.1	187.3	184.6	185.5
67.5°	168.5	165.0	159.9	158.0	156.3	154.9	153.9
70°	146.4	142.8	140.2	137.6	136.2	136.2	136.2
72.5°	127.7	123.5	121.9	118.6	119.3	118.0	116.6
75°	98.9	96.3	95.0	93.6	91.4	91.4	91.4
77.5°	72.8	72.0	70.4	69.0	68.4	68.0	68.2
80°	56.2	55.8	54.9	54.9	54.1	53.6	52.8
82.5°	43.2	42.1	41.6	41.2	41.1	41.0	40.8
85°	24.6	23.8	23.8	24.2	23.3	23.3	23.8
87.5°	11.6	11.7	11.5	11.5	11.9	11.5	11.5
90°	10.5	11.0	11.4	11.5	11.7	12.0	12.1
92.5°	11.2	11.5	11.6	11.8	11.9	12.1	12.1
95°	19.0	19.5	19.7	19.6	19.5	19.5	19.3
97.5°	24.6	25.1	25.3	25.4	25.6	25.7	25.8
100°	28.0	28.8	29.3	29.5	29.7	29.9	30.1
102.5°	29.4	30.5	31.2	31.4	31.7	31.9	32.3
105°	30.7	31.8	32.5	33.0	33.3	33.8	34.2
107.5°	35.0	33.9	33.6	33.9	34.4	34.7	35.1
110°	48.6	38.7	33.9	34.3	34.7	35.1	35.5



TEST NUMBER: P331339-935

CATALOG NUMBER: S122DIP-S675D530U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	89.0	52.6	34.6	34.9	35.2	35.6	35.8
115°	138.5	92.3	65.6	58.4	51.2	44.0	36.9
117.5°	273.5	262.3	245.0	221.3	197.7	174.1	150.4
120°	332.9	334.2	328.0	314.5	301.1	287.6	274.1
122.5°	352.8	353.4	352.5	349.9	347.2	344.7	342.0
125°	381.8	382.5	383.0	383.3	383.6	383.9	384.2
127.5°	409.0	410.0	410.5	410.6	410.7	410.7	410.8
130°	426.1	427.2	427.7	427.6	427.5	427.4	427.3
132.5°	442.6	443.5	443.8	443.8	443.7	443.6	443.5
135°	466.2	467.3	467.7	467.4	467.3	467.1	466.8
137.5°	488.2	489.2	489.5	489.1	488.8	488.5	488.2
140°	502.3	503.3	503.4	502.9	502.5	502.0	501.4
142.5°	515.4	516.3	516.4	515.9	515.4	514.9	514.4
145°	533.6	534.3	534.4	534.0	533.5	533.0	532.4
147.5°	549.5	550.0	550.0	549.7	549.2	548.8	548.4
150°	559.4	560.0	560.1	559.6	559.0	558.5	558.1
152.5°	568.4	569.0	568.9	568.3	567.7	567.0	566.4
155°	580.6	581.2	581.0	580.2	579.5	578.7	577.8
157.5°	590.8	591.5	591.5	590.6	589.9	589.1	588.3
160°	596.7	597.3	597.3	596.6	595.9	595.1	594.4
162.5°	602.4	603.0	603.0	602.1	601.2	600.4	599.5
165°	609.2	609.8	609.8	609.2	608.5	607.8	607.0
167.5°	614.8	615.5	615.4	614.5	613.6	612.7	611.8
170°	617.7	618.4	618.3	617.3	616.5	615.6	614.7
172.5°	619.8	620.5	620.4	619.6	618.6	617.8	616.8
175°	622.2	622.8	622.8	621.7	620.7	619.7	618.7
177.5°	622.3	622.8	622.8	622.1	621.3	620.6	619.9
180°	621.0	621.0	621.0	621.0	621.0	621.0	621.0

(END OF REPORT)