

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: P331358-930

Luminaire Tested: **SA2XXDIP-C675D925U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331358-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

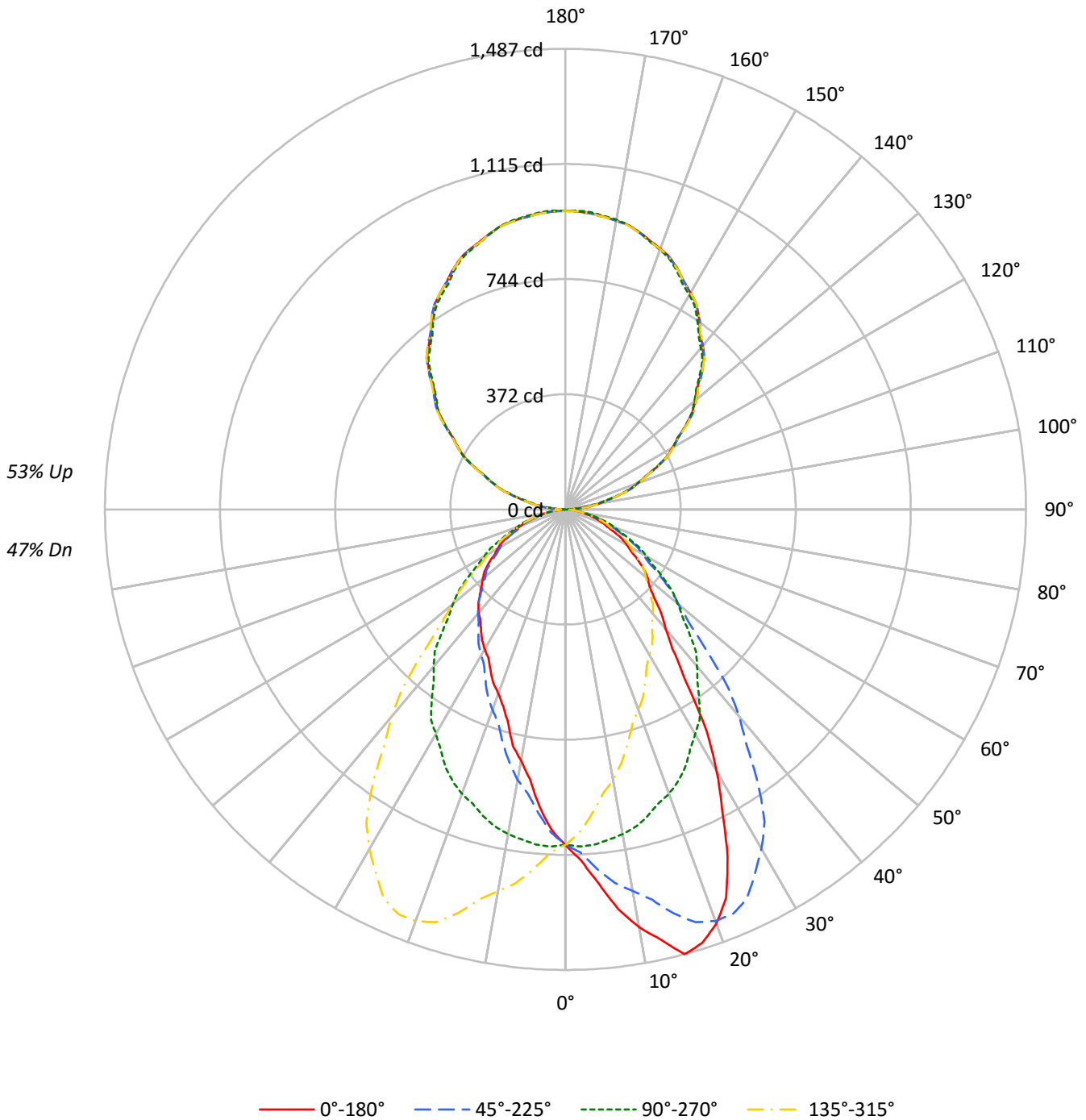
Lumens per Lamp: N/A  
Luminaire Lumens: 5089.0 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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



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### Luminous Intensity Polar Plot



53% Up

47% Dn



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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	40
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30	26
5	69	58	50	44	63	53	47	41	46	40	36	38	34	31	31	28	26	23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	20
7	59	47	39	34	54	44	37	32	37	32	28	32	28	24	26	23	21	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	2.0
10°-20°	299.8	5.9
20°-30°	435.1	8.6
30°-40°	459.2	9.0
40°-50°	406.6	8.0
50°-60°	324.5	6.4
60°-70°	220.5	4.3
70°-80°	113.1	2.2
80°-90°	31.1	0.6
90°-100°	61.1	1.2
100°-110°	189.8	3.7
110°-120°	324.3	6.4
120°-130°	426.5	8.4
130°-140°	478.7	9.4
140°-150°	469.4	9.2
150°-160°	393.7	7.7
160°-170°	261.1	5.1
170°-180°	91.3	1.8
0°-30°	838.1	16.5
0°-40°	1297.3	25.5
0°-60°	2028.3	39.9
0°-90°	2393.0	47.0
90°-120°	575.2	11.3
90°-150°	1949.8	38.3
90°-180°	2696.0	53.0
0°-180°	5089.0	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°	28	1	28	1	28	13
95°	50	42	50	42	50	56
105°	181	175	181	175	181	190
115°	326	326	326	326	326	321
125°	475	474	475	474	475	424
135°	620	613	620	613	620	477
145°	752	744	752	744	752	469
155°	857	850	857	850	857	394
165°	926	925	926	925	926	261
175°	959	962	959	962	959	91
180°	964	964	964	964	964	



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**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°	14.2	14.2	14.4	14.1	14.0	14.4	14.4	14.2	14.6	15.0	14.6
90°	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7	28.1	28.5	24.5
92.5°	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0	25.9	25.8	24.9
95°	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	51.7
97.5°	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	86.8
100°	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3	112.3	112.3	111.8
102.5°	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3	139.1	139.0	138.3
105°	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7	179.4	179.0	178.6
107.5°	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4	223.2	223.1	223.1
110°	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1	253.1	253.1	253.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7	283.2	283.6	283.8
115°	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3	328.6	328.7	329.1
117.5°	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4	372.8	373.3	374.3
120°	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9	401.9	401.9	403.4
122.5°	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3	432.8	433.2	434.2
125°	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4	477.8	478.4	479.0
127.5°	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1	521.7	522.4	523.0
130°	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9	551.3	551.6	552.0
132.5°	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0	580.8	581.6	581.5
135°	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9	623.1	623.2	622.9
137.5°	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0	664.1	664.2	663.8
140°	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6	691.6	691.6	690.7
142.5°	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6	716.5	716.3	715.7
145°	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6	754.4	754.2	753.2
147.5°	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9	787.5	787.1	786.4
150°	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0	808.5	808.0	807.2
152.5°	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1	829.5	828.8	827.9
155°	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0	856.1	855.1	854.6
157.5°	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7	880.4	879.2	878.9
160°	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3	895.3	894.1	894.0
162.5°	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6	908.4	907.2	907.0
165°	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8	925.5	924.3	924.3
167.5°	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9	939.7	938.4	938.5
170°	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8	947.5	946.2	946.4
172.5°	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6	953.4	952.1	952.3
175°	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0	959.7	958.5	958.8
177.5°	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9	963.0	962.2	962.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



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**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°	14.1	13.3	12.5	12.6	11.1	10.7	8.9	7.5	7.6	7.7	7.4
90°	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8	3.0	5.1	7.3
92.5°	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5	16.1	17.7	19.2
95°	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3	44.1	45.9	47.7
97.5°	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3	78.9	80.5	82.1
100°	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3	104.8	106.2	107.7
102.5°	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7	131.8	133.0	134.1
105°	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0	175.5	176.0	176.6
107.5°	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5	220.3	221.1	221.9
110°	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2	249.2	250.3	251.4





TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4	280.5	281.6	282.7
115°	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5	326.5	327.6	328.7
117.5°	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4	372.8	374.2	375.7
120°	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	403.4	404.8	406.3
122.5°	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9	431.6	433.4	435.1
125°	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5	475.2	476.8	478.4
127.5°	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0	518.0	520.2	522.2
130°	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7	545.0	547.4	549.8
132.5°	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7	574.5	576.5	578.4
135°	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7	614.7	616.6	618.6
137.5°	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8	656.4	658.0	659.7
140°	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2	681.8	683.5	685.1
142.5°	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2	707.8	709.5	711.1
145°	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6	744.9	746.2	747.5
147.5°	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0	778.5	780.1	781.5
150°	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8	800.9	801.9	803.1
152.5°	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9	821.1	822.1	823.2
155°	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3	850.8	851.3	851.9
157.5°	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1	876.4	876.9	877.2
160°	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8	892.1	892.4	892.8
162.5°	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0	906.1	906.2	906.3
165°	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1	925.0	924.7	924.5
167.5°	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0	940.5	940.0	939.4
170°	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5	948.9	948.4	947.9
172.5°	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4	954.8	954.3	953.7
175°	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5	962.0	961.4	960.9
177.5°	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5	965.0	964.6	964.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**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°	7.6	7.8	8.3	9.1	9.5	10.0	9.6	9.5	9.5	8.7	8.7
90°	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7	27.4	27.1	26.9
92.5°	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0	26.1	26.2	26.3
95°	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1	52.1	52.1	51.9
97.5°	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6	87.6	87.6	87.6
100°	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3	112.3	112.3	112.2
102.5°	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3	139.4	139.6	139.5
105°	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7	180.1	180.4	180.6
107.5°	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4	223.6	223.6	223.3
110°	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	252.7



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7	282.3	281.9	281.4
115°	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3	328.2	328.0	327.6
117.5°	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4	372.0	371.5	371.0
120°	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9	401.9	401.9	401.7
122.5°	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3	431.9	431.5	431.0
125°	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4	476.8	476.2	475.9
127.5°	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1	520.4	519.8	519.1
130°	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9	550.6	550.2	549.7
132.5°	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0	579.2	578.4	577.7
135°	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9	622.7	622.5	622.2
137.5°	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0	663.8	663.7	663.2
140°	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6	691.6	691.6	691.2
142.5°	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6	716.7	716.9	716.6
145°	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6	754.8	755.0	754.7
147.5°	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9	788.3	788.7	788.6
150°	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0	809.6	810.1	810.1
152.5°	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1	830.8	831.5	831.5
155°	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0	857.9	858.8	858.9
157.5°	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7	882.9	884.1	884.3
160°	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3	897.4	898.5	898.7
162.5°	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6	910.9	912.1	912.3
165°	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8	928.1	929.4	929.5
167.5°	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9	942.2	943.5	943.6
170°	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8	950.1	951.3	951.4
172.5°	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6	955.9	957.2	957.2
175°	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0	962.2	963.5	963.6
177.5°	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9	964.8	965.6	965.6
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331358-930  
 CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**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°	8.7	8.5	8.5	8.2	8.5	8.5	8.7	8.7	8.7	9.5	9.5
90°	27.1	27.3	27.5	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7
92.5°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0
95°	51.5	51.2	50.8	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1
97.5°	87.5	87.5	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6
100°	112.0	111.9	111.6	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3
102.5°	139.3	139.2	139.0	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3
105°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7
107.5°	222.5	221.7	220.9	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4
110°	252.3	251.7	251.1	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	281.1	280.7	280.3	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7
115°	327.1	326.5	326.0	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3
117.5°	370.6	370.0	369.4	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4
120°	401.1	400.6	400.1	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9
122.5°	430.6	430.2	429.8	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3
125°	475.7	475.5	475.3	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4
127.5°	518.5	518.0	517.4	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1
130°	548.9	548.2	547.5	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9
132.5°	577.2	576.6	576.0	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0
135°	621.6	621.1	620.5	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9
137.5°	662.5	661.8	661.0	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0
140°	690.5	689.7	689.1	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6
142.5°	715.9	715.2	714.4	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6
145°	754.0	753.3	752.5	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6
147.5°	787.9	787.2	786.5	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9
150°	809.6	809.0	808.5	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0
152.5°	830.8	830.1	829.5	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1
155°	858.3	857.9	857.3	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0
157.5°	883.5	882.6	881.7	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7
160°	898.0	897.2	896.5	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3
162.5°	911.4	910.5	909.7	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6
165°	928.6	927.7	926.8	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8
167.5°	942.7	941.8	940.9	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9
170°	950.3	949.3	948.1	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8
172.5°	956.2	955.1	954.0	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6
175°	962.5	961.4	960.3	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0
177.5°	964.8	963.9	963.0	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**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°	9.6	10.0	9.5	9.1	8.3	7.8	7.6	7.4	7.7	7.6	7.5
90°	28.1	28.5	24.5	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8
92.5°	25.9	25.8	24.9	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5
95°	52.1	52.1	51.7	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3
97.5°	87.6	87.6	86.8	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3
100°	112.3	112.3	111.8	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3
102.5°	139.1	139.0	138.3	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7
105°	179.4	179.0	178.6	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0
107.5°	223.2	223.1	223.1	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5
110°	253.1	253.1	253.1	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.2	283.6	283.8	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4
115°	328.6	328.7	329.1	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5
117.5°	372.8	373.3	374.3	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4
120°	401.9	401.9	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9
122.5°	432.8	433.2	434.2	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9
125°	477.8	478.4	479.0	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5
127.5°	521.7	522.4	523.0	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0
130°	551.3	551.6	552.0	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7
132.5°	580.8	581.6	581.5	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7
135°	623.1	623.2	622.9	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7
137.5°	664.1	664.2	663.8	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8
140°	691.6	691.6	690.7	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2
142.5°	716.5	716.3	715.7	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2
145°	754.4	754.2	753.2	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6
147.5°	787.5	787.1	786.4	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0
150°	808.5	808.0	807.2	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8
152.5°	829.5	828.8	827.9	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9
155°	856.1	855.1	854.6	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3
157.5°	880.4	879.2	878.9	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1
160°	895.3	894.1	894.0	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8
162.5°	908.4	907.2	907.0	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0
165°	925.5	924.3	924.3	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1
167.5°	939.7	938.4	938.5	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0
170°	947.5	946.2	946.4	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5
172.5°	953.4	952.1	952.3	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4
175°	959.7	958.5	958.8	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5
177.5°	963.0	962.2	962.5	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331358-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A1

**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°	8.9	10.7	11.1	12.6	12.5	13.3	14.1	14.6	15.0	14.6	14.2
90°	3.0	5.1	7.3	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7
92.5°	16.1	17.7	19.2	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0
95°	44.1	45.9	47.7	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1
97.5°	78.9	80.5	82.1	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6
100°	104.8	106.2	107.7	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3
102.5°	131.8	133.0	134.1	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3
105°	175.5	176.0	176.6	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7
107.5°	220.3	221.1	221.9	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4
110°	249.2	250.3	251.4	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.5	281.6	282.7	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7
115°	326.5	327.6	328.7	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3
117.5°	372.8	374.2	375.7	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4
120°	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9
122.5°	431.6	433.4	435.1	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3
125°	475.2	476.8	478.4	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4
127.5°	518.0	520.2	522.2	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1
130°	545.0	547.4	549.8	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9
132.5°	574.5	576.5	578.4	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0
135°	614.7	616.6	618.6	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9
137.5°	656.4	658.0	659.7	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0
140°	681.8	683.5	685.1	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6
142.5°	707.8	709.5	711.1	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6
145°	744.9	746.2	747.5	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6
147.5°	778.5	780.1	781.5	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9
150°	800.9	801.9	803.1	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0
152.5°	821.1	822.1	823.2	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1
155°	850.8	851.3	851.9	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0
157.5°	876.4	876.9	877.2	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7
160°	892.1	892.4	892.8	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3
162.5°	906.1	906.2	906.3	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6
165°	925.0	924.7	924.5	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8
167.5°	940.5	940.0	939.4	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9
170°	948.9	948.4	947.9	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8
172.5°	954.8	954.3	953.7	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6
175°	962.0	961.4	960.9	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0
177.5°	965.0	964.6	964.2	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



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**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°	14.4	14.4	14.0	14.1	14.4	14.2	14.2
90°	27.4	27.1	26.9	27.1	27.3	27.5	27.6
92.5°	26.1	26.2	26.3	26.3	26.3	26.3	26.3
95°	52.1	52.1	51.9	51.5	51.2	50.8	50.5
97.5°	87.6	87.6	87.6	87.5	87.5	87.4	87.4
100°	112.3	112.3	112.2	112.0	111.9	111.6	111.5
102.5°	139.4	139.6	139.5	139.3	139.2	139.0	138.8
105°	180.1	180.4	180.6	180.6	180.6	180.6	180.6
107.5°	223.6	223.6	223.3	222.5	221.7	220.9	220.0
110°	253.1	253.1	252.7	252.3	251.7	251.1	250.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.3	281.9	281.4	281.1	280.7	280.3	279.9
115°	328.2	328.0	327.6	327.1	326.5	326.0	325.5
117.5°	372.0	371.5	371.0	370.6	370.0	369.4	368.9
120°	401.9	401.9	401.7	401.1	400.6	400.1	399.5
122.5°	431.9	431.5	431.0	430.6	430.2	429.8	429.4
125°	476.8	476.2	475.9	475.7	475.5	475.3	475.2
127.5°	520.4	519.8	519.1	518.5	518.0	517.4	516.8
130°	550.6	550.2	549.7	548.9	548.2	547.5	546.7
132.5°	579.2	578.4	577.7	577.2	576.6	576.0	575.4
135°	622.7	622.5	622.2	621.6	621.1	620.5	620.0
137.5°	663.8	663.7	663.2	662.5	661.8	661.0	660.3
140°	691.6	691.6	691.2	690.5	689.7	689.1	688.4
142.5°	716.7	716.9	716.6	715.9	715.2	714.4	713.7
145°	754.8	755.0	754.7	754.0	753.3	752.5	751.8
147.5°	788.3	788.7	788.6	787.9	787.2	786.5	785.8
150°	809.6	810.1	810.1	809.6	809.0	808.5	808.0
152.5°	830.8	831.5	831.5	830.8	830.1	829.5	828.8
155°	857.9	858.8	858.9	858.3	857.9	857.3	856.7
157.5°	882.9	884.1	884.3	883.5	882.6	881.7	880.8
160°	897.4	898.5	898.7	898.0	897.2	896.5	895.8
162.5°	910.9	912.1	912.3	911.4	910.5	909.7	908.8
165°	928.1	929.4	929.5	928.6	927.7	926.8	925.9
167.5°	942.2	943.5	943.6	942.7	941.8	940.9	939.9
170°	950.1	951.3	951.4	950.3	949.3	948.1	947.1
172.5°	955.9	957.2	957.2	956.2	955.1	954.0	952.9
175°	962.2	963.5	963.6	962.5	961.4	960.3	959.3
177.5°	964.8	965.6	965.6	964.8	963.9	963.0	962.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2

(END OF REPORT)