

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: P331682-927

Luminaire Tested: **S122RDIP-S675D530U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331682-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S675D530U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3510.2 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

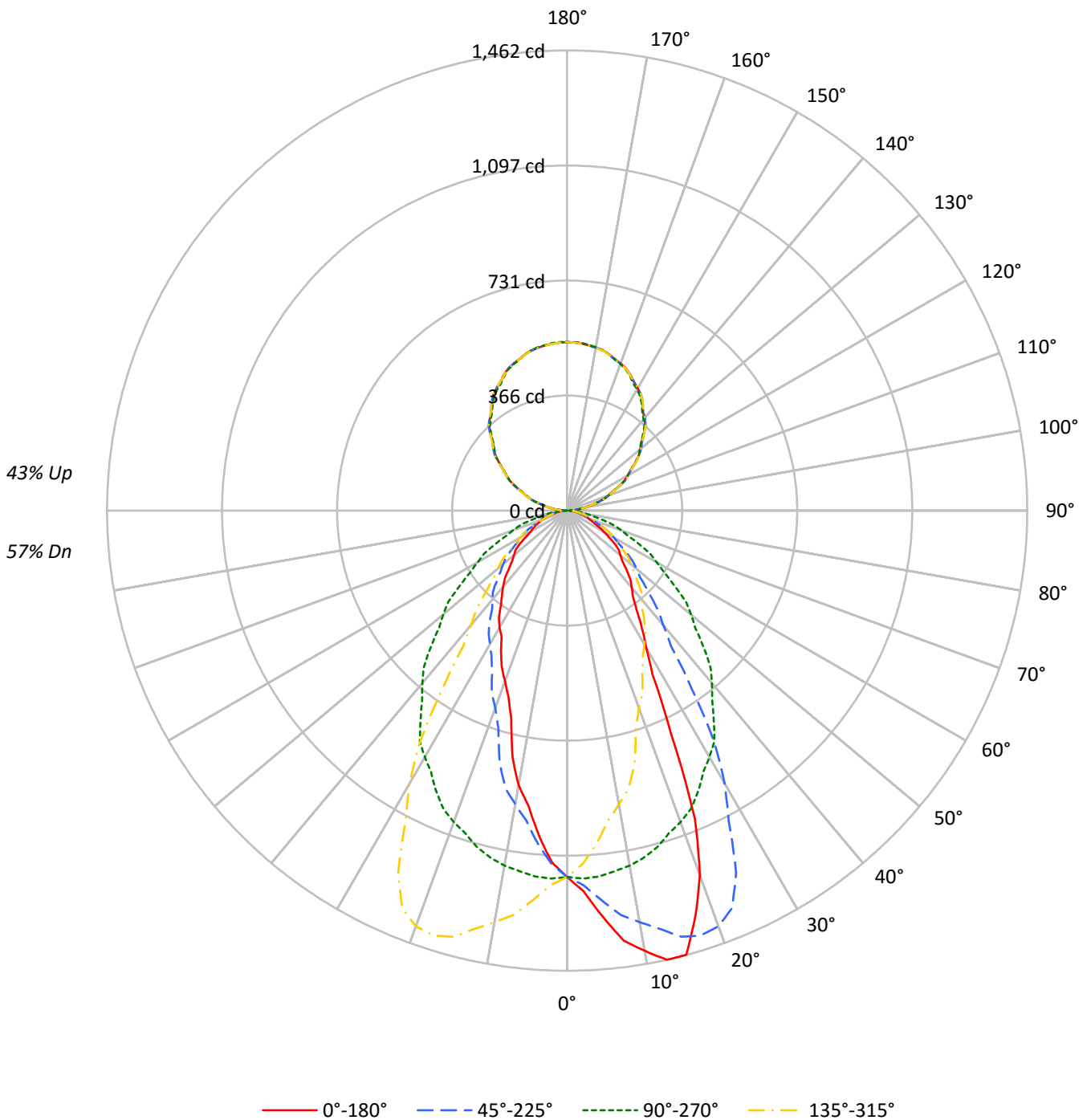
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57				57
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50				50
2	92	85	79	75	86	80	75	70	69	66	62	60	57	55	51	49	48	43				43
3	85	76	69	63	79	71	65	60	62	58	54	54	50	48	46	44	42	38				38
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	34				34
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	38	35	33	30				30
6	67	55	47	42	62	52	45	40	46	41	36	41	36	33	35	32	29	27				27
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24				24
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22				22
9	54	42	35	30	51	40	34	29	36	31	27	32	28	24	28	25	22	20				20
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	20	19				19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	18791	18791	18791	18791
5°	20985	18908	16765	18908
10°	23282	18775	14532	18775
15°	24428	18501	11450	18501
20°	21179	18093	9907	18093
25°	13890	17533	8845	17533
30°	9350	16858	8006	16858
35°	7571	16005	7222	16005
40°	6734	15076	6681	15076
45°	6094	13988	5966	13988
50°	5546	12911	5526	12911
55°	5213	11713	5146	11713
60°	4363	10618	4308	10618
65°	3679	9639	4172	9639
70°	3399	8611	3932	8611
75°	3175	7492	3631	7492
80°	2929	6165	3236	6165
85°	2705	4872	2853	4872



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	3.1
10°-20°	307.4	8.8
20°-30°	396.1	11.3
30°-40°	376.4	10.7
40°-50°	322.5	9.2
50°-60°	245.6	7.0
60°-70°	155.2	4.4
70°-80°	77.5	2.2
80°-90°	22.3	0.6
90°-100°	33.9	1.0
100°-110°	105.4	3.0
110°-120°	180.1	5.1
120°-130°	236.8	6.7
130°-140°	265.8	7.6
140°-150°	260.6	7.4
150°-160°	218.6	6.2
160°-170°	145.0	4.1
170°-180°	50.7	1.4
0°-30°	813.8	23.2
0°-40°	1190.3	33.9
0°-60°	1758.3	50.1
0°-90°	2013.4	57.4
90°-120°	319.4	9.1
90°-150°	1082.6	30.8
90°-180°	1497.0	42.6
0°-180°	3510.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1164	1164	1164	1164	1164	
5°	1295	1167	1034	1167	1295	128
15°	1461	1107	685	1107	1461	394
25°	780	984	496	984	780	370
35°	384	812	366	812	384	246
45°	267	613	261	613	267	207
55°	185	416	183	416	185	163
65°	96	252	109	252	96	98
75°	51	120	58	120	51	54
85°	15	26	15	26	15	16
90°	15	0	15	0	15	7
95°	28	24	28	24	28	31
105°	100	97	100	97	100	105
115°	181	181	181	181	181	178
125°	264	263	264	263	264	235
135°	344	340	344	340	344	265
145°	417	413	417	413	417	261
155°	476	472	476	472	476	219
165°	514	514	514	514	514	145
175°	533	534	533	534	533	51
180°	535	535	535	535	535	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1211.0	1212.0	1213.0	1210.7	1210.7	1208.7	1204.5	1201.3	1192.2	1191.0	1191.0
5°	1294.8	1294.0	1295.6	1290.4	1283.1	1281.4	1273.7	1263.7	1253.2	1241.4	1239.0
7.5°	1378.1	1376.9	1373.6	1372.8	1367.1	1354.9	1342.6	1329.4	1311.9	1294.9	1286.3
10°	1420.1	1433.5	1425.4	1411.3	1414.1	1395.1	1385.0	1367.6	1353.0	1327.5	1321.9
12.5°	1461.6	1466.8	1464.3	1456.2	1452.5	1439.4	1425.8	1410.6	1383.8	1360.9	1341.0
15°	1461.4	1469.1	1471.1	1468.7	1470.7	1469.9	1462.6	1450.1	1426.6	1401.5	1379.7
17.5°	1353.5	1358.8	1372.1	1381.1	1392.4	1416.3	1428.1	1432.7	1429.3	1415.0	1399.6
20°	1232.6	1223.6	1260.8	1279.8	1296.0	1336.4	1371.2	1384.6	1406.0	1405.6	1401.5
22.5°	1061.0	1063.2	1098.4	1121.0	1168.2	1208.6	1248.3	1298.5	1340.0	1367.4	1383.5
25°	779.7	795.0	830.2	860.9	913.5	988.7	1057.0	1136.3	1211.1	1270.1	1326.4
27.5°	585.5	586.7	614.6	642.9	674.1	735.8	821.8	916.5	1023.1	1111.1	1212.4
30°	501.5	499.0	510.7	528.1	554.8	602.5	667.2	760.3	866.6	999.2	1117.3
32.5°	441.9	442.0	450.9	463.7	485.9	518.1	562.4	637.9	738.5	868.9	1007.3
35°	384.1	383.7	390.2	399.5	408.8	429.4	459.8	499.4	568.5	690.2	831.8
37.5°	342.8	344.5	347.7	353.5	363.8	375.3	393.5	420.1	469.3	541.3	660.3
40°	319.5	320.3	324.7	329.5	335.6	344.5	359.5	380.9	416.9	474.4	561.3
42.5°	298.1	298.9	302.1	306.6	311.3	320.3	332.6	351.2	380.3	425.2	496.9
45°	266.9	266.9	269.7	271.7	277.0	285.1	295.2	310.5	330.8	363.9	411.6
47.5°	237.6	237.7	239.6	243.0	246.4	252.6	262.6	275.1	289.9	315.5	356.2
50°	220.8	221.2	222.4	225.2	227.3	232.9	240.6	251.5	266.9	286.7	320.7
52.5°	207.2	206.9	208.5	209.7	211.1	215.2	220.9	230.5	244.2	261.5	289.6
55°	185.2	183.5	186.0	188.1	189.3	190.8	194.1	200.2	211.9	226.5	247.5
57.5°	157.7	157.1	158.8	160.7	164.5	168.8	171.5	175.4	181.5	191.9	212.8
60°	135.1	135.1	138.7	139.9	144.3	150.0	155.7	158.9	165.0	171.8	187.2
62.5°	115.0	115.3	117.0	118.3	120.7	127.7	135.6	142.8	148.5	155.0	165.2
65°	96.3	97.0	97.0	97.8	99.5	101.1	104.3	110.0	120.1	129.4	137.0
67.5°	81.7	81.9	82.1	82.9	83.4	85.2	86.4	89.0	91.3	100.1	109.6
70°	72.0	73.2	72.8	73.6	74.0	74.8	76.4	77.6	81.3	83.3	89.0
72.5°	62.9	63.8	63.7	64.2	65.3	65.4	66.7	68.0	70.3	72.0	75.0
75°	50.9	50.5	50.9	51.7	52.1	52.6	52.6	54.2	55.4	57.0	59.0
77.5°	39.3	39.7	39.6	39.7	39.8	40.5	40.4	41.2	42.4	43.2	44.1
80°	31.5	31.9	31.5	31.9	32.3	32.7	32.3	32.7	34.0	34.8	34.8
82.5°	24.4	24.5	24.7	24.8	24.9	25.0	25.6	25.7	26.5	26.4	26.7
85°	14.6	14.2	14.2	14.2	14.6	15.0	14.6	14.6	15.0	15.0	15.0
87.5°	8.2	8.6	8.6	8.5	8.5	8.5	8.6	8.9	8.6	9.0	8.2
90°	15.4	15.3	15.1	15.1	15.0	15.0	15.2	15.4	15.6	15.8	13.6
92.5°	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.4	14.3	13.9
95°	28.0	28.2	28.4	28.6	28.8	28.9	28.9	28.9	28.9	28.9	28.7
97.5°	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.2
100°	61.9	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.0
102.5°	77.1	77.2	77.2	77.4	77.5	77.5	77.4	77.3	77.2	77.2	76.8
105°	100.3	100.3	100.3	100.3	100.3	100.2	100.0	99.8	99.6	99.4	99.2
107.5°	122.2	122.6	123.1	123.5	124.0	124.2	124.1	124.1	124.0	123.9	123.9
110°	139.1	139.4	139.7	140.1	140.4	140.5	140.5	140.5	140.5	140.5	140.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	155.4	155.6	155.8	156.1	156.3	156.5	156.8	157.0	157.2	157.5	157.6
115°	180.7	181.0	181.3	181.6	181.9	182.1	182.2	182.3	182.4	182.5	182.7
117.5°	204.8	205.1	205.4	205.7	206.0	206.3	206.5	206.8	207.0	207.2	207.8
120°	221.8	222.1	222.4	222.7	223.0	223.2	223.2	223.2	223.2	223.2	223.9
122.5°	238.4	238.7	238.8	239.1	239.3	239.6	239.8	240.0	240.3	240.5	241.1
125°	263.8	263.9	264.0	264.1	264.2	264.4	264.7	265.0	265.3	265.6	265.9
127.5°	286.9	287.2	287.6	287.9	288.2	288.6	288.9	289.3	289.6	290.0	290.4
130°	303.6	304.0	304.4	304.8	305.1	305.5	305.7	305.9	306.1	306.3	306.5
132.5°	319.5	319.8	320.1	320.4	320.8	321.2	321.5	322.0	322.5	322.9	322.9
135°	344.2	344.5	344.8	345.2	345.4	345.6	345.7	345.9	345.9	346.0	345.9
137.5°	366.6	367.0	367.4	367.8	368.2	368.4	368.5	368.6	368.7	368.8	368.5
140°	382.1	382.5	382.9	383.3	383.8	384.0	384.0	384.0	384.0	384.0	383.5
142.5°	396.2	396.6	397.0	397.4	397.8	398.0	397.9	397.8	397.8	397.7	397.4
145°	417.4	417.8	418.2	418.6	419.0	419.1	419.1	419.0	418.8	418.7	418.2
147.5°	436.3	436.7	437.0	437.4	437.8	437.9	437.7	437.4	437.2	437.0	436.6
150°	448.6	448.9	449.2	449.5	449.8	449.8	449.5	449.2	448.9	448.6	448.1
152.5°	460.2	460.5	460.9	461.3	461.7	461.7	461.3	460.9	460.5	460.2	459.6
155°	475.7	475.9	476.3	476.6	476.9	476.8	476.3	475.8	475.3	474.8	474.4
157.5°	489.0	489.6	490.0	490.5	491.0	490.9	490.2	489.5	488.9	488.1	488.0
160°	497.3	497.7	498.2	498.6	499.0	498.8	498.3	497.6	497.1	496.5	496.4
162.5°	504.6	505.1	505.6	506.0	506.5	506.4	505.7	505.0	504.4	503.7	503.6
165°	514.0	514.6	515.1	515.6	516.1	515.9	515.3	514.6	513.9	513.2	513.2
167.5°	521.8	522.4	522.9	523.4	523.9	523.9	523.2	522.4	521.7	521.0	521.0
170°	525.9	526.4	527.0	527.6	528.2	528.1	527.5	526.8	526.1	525.4	525.5
172.5°	529.1	529.7	530.3	530.9	531.5	531.4	530.8	530.0	529.3	528.6	528.7
175°	532.6	533.2	533.8	534.4	535.0	535.0	534.2	533.5	532.8	532.1	532.3
177.5°	534.2	534.7	535.2	535.7	536.1	536.1	535.7	535.2	534.7	534.2	534.4
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1191.6	1189.0	1186.8	1180.9	1178.1	1171.6	1170.6	1170.3	1161.8	1153.7	1151.5
5°	1232.6	1226.1	1216.3	1205.0	1193.3	1181.1	1173.1	1166.6	1150.4	1135.0	1126.2
7.5°	1273.7	1259.9	1243.1	1221.7	1203.8	1183.8	1168.9	1155.6	1132.6	1110.6	1095.7
10°	1304.5	1281.8	1259.6	1230.1	1207.0	1184.4	1163.4	1145.2	1119.3	1090.2	1069.5
12.5°	1323.6	1298.7	1268.0	1239.1	1209.3	1180.5	1152.4	1129.0	1098.6	1068.5	1044.0
15°	1349.4	1322.7	1285.5	1244.3	1205.9	1168.2	1135.9	1106.8	1067.1	1031.2	1001.2
17.5°	1370.5	1333.8	1293.8	1246.1	1201.7	1153.8	1112.1	1075.0	1030.9	987.5	952.2
20°	1377.3	1340.9	1294.8	1247.1	1194.5	1138.3	1093.4	1053.0	1005.7	958.4	917.9
22.5°	1373.1	1344.8	1293.5	1236.4	1182.6	1123.7	1073.0	1026.1	973.7	925.3	878.5
25°	1344.6	1334.8	1286.3	1224.0	1162.6	1094.2	1035.6	984.2	924.4	872.7	821.7
27.5°	1277.9	1298.9	1268.8	1202.5	1134.2	1060.9	995.0	936.5	874.4	816.2	765.4
30°	1213.9	1262.0	1249.1	1187.6	1111.2	1039.3	965.3	904.2	837.9	778.0	727.9
32.5°	1126.2	1205.8	1218.4	1167.0	1087.9	1008.8	931.3	870.5	801.3	738.2	689.4
35°	986.7	1105.6	1160.2	1127.4	1048.1	962.8	882.7	812.0	742.4	680.2	631.6
37.5°	820.1	982.1	1073.0	1075.4	1002.6	913.9	826.7	756.5	685.2	624.1	571.6
40°	712.1	887.6	1006.1	1032.4	970.9	875.0	786.9	715.3	645.8	585.9	525.7
42.5°	615.1	789.9	935.6	981.3	932.4	837.2	748.8	673.9	606.3	549.7	488.1
45°	497.4	650.2	810.8	892.5	865.4	777.2	683.8	612.6	549.1	500.2	441.2
47.5°	419.5	527.3	682.6	793.1	792.7	712.2	620.3	552.2	493.3	447.4	399.6
50°	375.3	469.1	600.5	725.9	736.3	668.8	581.5	514.0	459.0	410.8	372.4
52.5°	335.5	412.8	530.9	651.1	681.0	622.6	537.8	475.5	422.1	377.9	344.9
55°	283.4	343.3	433.1	545.5	590.8	549.5	474.4	416.1	372.8	335.6	307.3
57.5°	239.8	284.7	356.7	447.3	499.9	474.0	411.9	364.6	327.6	294.0	271.6
60°	212.3	249.1	310.1	385.8	444.0	425.8	372.8	328.8	297.2	268.1	247.1
62.5°	186.4	218.0	270.4	331.8	385.2	377.6	334.3	297.4	269.7	243.2	225.4
65°	150.0	173.1	213.9	262.1	304.9	308.6	277.4	252.3	227.7	206.6	190.8
67.5°	119.5	134.5	163.3	203.8	235.9	247.4	228.4	209.2	189.6	173.4	159.7
70°	100.7	112.8	133.9	166.6	196.1	208.3	197.3	182.4	165.4	152.0	140.3
72.5°	81.6	93.4	108.9	132.9	158.3	171.3	167.5	156.9	143.1	132.0	120.9
75°	61.5	65.1	75.7	91.8	111.6	122.9	125.8	120.1	109.2	100.7	94.2
77.5°	45.5	47.6	52.7	61.2	74.1	84.2	88.3	87.7	80.2	75.2	69.2
80°	36.4	37.6	40.0	43.6	53.4	63.5	66.3	66.3	61.1	59.0	53.0
82.5°	27.6	28.5	30.0	32.0	36.5	45.4	48.6	49.2	45.9	43.2	38.4
85°	15.8	15.4	16.2	17.3	18.2	20.6	25.5	26.3	25.5	22.3	21.0
87.5°	7.8	7.7	7.2	6.6	6.7	6.7	8.1	9.5	8.4	7.7	7.3
90°	11.4	9.2	7.0	5.3	4.0	2.9	1.7	0.5	1.7	2.9	4.0
92.5°	13.3	12.8	12.3	11.6	10.7	9.8	9.0	8.1	9.0	9.8	10.7
95°	28.5	28.3	28.1	27.5	26.5	25.5	24.5	23.5	24.5	25.5	26.5
97.5°	47.8	47.5	47.1	46.4	45.6	44.7	43.8	42.9	43.8	44.7	45.6
100°	61.7	61.5	61.2	60.6	59.8	58.9	58.1	57.4	58.1	58.9	59.8
102.5°	76.4	76.0	75.7	75.1	74.5	73.8	73.2	72.6	73.2	73.8	74.5
105°	98.9	98.8	98.5	98.3	98.0	97.8	97.4	97.1	97.4	97.8	98.0
107.5°	123.9	123.9	123.9	123.7	123.2	122.8	122.3	121.9	122.3	122.8	123.2
110°	140.5	140.5	140.5	140.2	139.6	138.9	138.4	137.8	138.4	138.9	139.6





TEST NUMBER: P331682-927

CATALOG NUMBER: S122RDIP-S675D530U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	157.6	157.7	157.8	157.6	156.9	156.3	155.7	155.1	155.7	156.3	156.9
115°	182.9	183.1	183.3	183.1	182.5	181.9	181.3	180.7	181.3	181.9	182.5
117.5°	208.3	209.0	209.5	209.4	208.6	207.8	207.0	206.2	207.0	207.8	208.6
120°	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2	223.9	224.7	225.5
122.5°	241.6	242.2	242.7	242.6	241.6	240.7	239.6	238.7	239.6	240.7	241.6
125°	266.3	266.5	266.8	266.5	265.6	264.7	263.8	262.9	263.8	264.7	265.6
127.5°	290.7	291.1	291.4	291.0	289.9	288.8	287.6	286.5	287.6	288.8	289.9
130°	306.7	306.9	307.0	306.5	305.2	303.9	302.6	301.3	302.6	303.9	305.2
132.5°	322.8	322.8	322.7	322.2	321.2	320.0	319.0	317.9	319.0	320.0	321.2
135°	345.6	345.4	345.2	344.6	343.5	342.4	341.3	340.2	341.3	342.4	343.5
137.5°	368.3	368.0	367.7	367.2	366.3	365.4	364.5	363.5	364.5	365.4	366.3
140°	382.9	382.5	382.0	381.3	380.3	379.5	378.6	377.6	378.6	379.5	380.3
142.5°	397.0	396.7	396.3	395.7	394.8	394.0	393.0	392.1	393.0	394.0	394.8
145°	417.6	416.9	416.4	415.7	415.0	414.3	413.6	412.9	413.6	414.3	415.0
147.5°	436.2	435.8	435.4	434.7	434.0	433.1	432.2	431.4	432.2	433.1	434.0
150°	447.7	447.3	446.9	446.5	445.8	445.3	444.7	444.1	444.7	445.3	445.8
152.5°	459.1	458.7	458.2	457.6	457.1	456.5	455.9	455.3	455.9	456.5	457.1
155°	474.2	473.9	473.6	473.2	472.9	472.7	472.4	472.1	472.4	472.7	472.9
157.5°	487.8	487.6	487.4	487.3	487.0	486.8	486.6	486.4	486.6	486.8	487.0
160°	496.2	496.1	496.1	495.9	495.7	495.5	495.3	495.1	495.3	495.5	495.7
162.5°	503.5	503.4	503.3	503.2	503.2	503.1	503.1	503.0	503.1	503.1	503.2
165°	513.2	513.2	513.2	513.3	513.3	513.4	513.5	513.7	513.5	513.4	513.3
167.5°	521.1	521.1	521.1	521.3	521.6	521.9	522.2	522.4	522.2	521.9	521.6
170°	525.5	525.7	525.8	526.0	526.2	526.6	526.9	527.2	526.9	526.6	526.2
172.5°	528.9	528.9	529.0	529.3	529.5	529.8	530.1	530.4	530.1	529.8	529.5
175°	532.6	532.7	533.0	533.2	533.5	533.8	534.1	534.4	534.1	533.8	533.5
177.5°	534.6	534.7	534.9	535.0	535.3	535.5	535.8	536.1	535.8	535.5	535.3
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331682-927

CATALOG NUMBER: S122RDIP-S675D530U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1147.3	1145.0	1140.8	1134.3	1130.4	1123.6	1119.1	1121.7	1122.4	1121.7	1121.1
5°	1116.5	1107.9	1096.2	1084.9	1074.4	1063.1	1056.6	1053.8	1048.1	1044.9	1043.3
7.5°	1079.2	1064.5	1048.0	1028.3	1011.5	994.0	985.0	980.5	968.9	962.7	957.1
10°	1051.4	1028.3	1011.8	985.9	970.1	947.1	931.3	931.7	915.9	907.0	900.6
12.5°	1020.6	995.3	967.7	944.4	922.5	904.0	885.0	877.3	860.5	852.0	834.6
15°	969.7	940.2	911.1	879.5	857.3	828.5	801.1	767.5	740.4	716.9	710.5
17.5°	914.0	877.5	848.3	811.3	773.2	724.8	693.0	673.5	657.2	644.8	635.6
20°	875.8	838.7	807.6	751.7	700.4	667.7	644.2	629.2	612.2	598.9	591.6
22.5°	835.8	796.9	754.5	692.2	652.2	625.9	605.0	587.8	576.3	565.9	559.3
25°	778.8	736.3	666.4	623.5	591.2	563.7	549.1	538.6	526.5	512.3	505.9
27.5°	718.7	651.1	600.9	569.0	538.1	520.2	507.2	491.5	480.6	474.3	467.5
30°	673.7	606.2	567.0	532.2	510.3	490.5	475.2	466.3	455.7	444.8	440.4
32.5°	623.5	569.6	532.0	503.0	480.9	464.0	451.9	437.4	429.8	423.1	413.8
35°	561.3	520.5	486.1	462.6	441.6	427.9	413.7	405.2	391.4	385.8	382.1
37.5°	508.5	473.1	447.5	422.7	406.1	390.9	382.2	368.7	362.7	354.9	347.2
40°	478.8	444.0	419.3	399.1	380.5	369.2	358.3	347.4	338.4	334.9	325.5
42.5°	448.4	420.1	395.4	373.2	360.8	348.8	335.0	327.0	317.7	311.9	306.1
45°	406.4	381.4	360.3	342.1	328.4	315.8	306.9	293.6	288.4	276.6	271.7
47.5°	369.6	346.2	326.1	308.9	295.4	287.2	274.3	263.8	255.4	248.2	242.0
50°	343.3	323.9	304.5	289.1	277.0	265.3	251.9	246.7	233.7	230.0	226.5
52.5°	319.4	301.0	283.1	268.1	256.0	244.5	232.8	225.9	217.2	213.6	211.0
55°	285.9	268.1	251.1	237.7	225.6	213.9	206.6	198.1	194.1	191.2	188.1
57.5°	252.2	236.2	223.2	209.7	197.5	188.2	179.7	174.7	170.5	166.8	162.9
60°	230.9	215.6	203.8	191.2	178.7	171.0	164.6	158.5	153.7	148.0	146.4
62.5°	208.3	194.8	184.1	171.8	161.0	153.9	147.7	142.0	136.2	127.9	125.6
65°	177.1	166.6	155.3	145.2	135.5	128.6	119.7	113.2	110.8	110.0	109.6
67.5°	149.0	139.0	129.3	119.0	110.1	103.8	99.3	98.2	96.6	96.1	95.0
70°	130.2	120.9	111.2	101.5	93.0	91.8	90.2	88.6	86.5	85.7	84.9
72.5°	113.4	103.8	94.0	86.3	82.6	81.1	79.5	77.9	76.5	75.7	75.2
75°	86.9	78.0	71.6	68.8	66.7	65.5	63.1	61.9	61.1	59.8	59.4
77.5°	62.6	57.6	54.6	52.8	50.7	49.4	48.0	46.8	45.9	45.7	45.1
80°	47.7	45.3	43.3	40.9	40.0	38.4	38.0	36.8	37.2	36.0	36.0
82.5°	37.1	34.0	32.2	31.1	30.3	29.1	28.6	28.0	28.1	27.3	27.3
85°	19.0	18.2	17.3	16.6	16.6	15.4	15.8	15.4	15.4	14.6	14.2
87.5°	7.2	7.2	7.1	7.4	7.9	8.0	8.0	7.6	7.6	7.5	7.2
90°	5.3	7.0	9.2	11.4	13.6	15.8	15.6	15.4	15.2	15.0	15.0
92.5°	11.6	12.3	12.8	13.3	13.9	14.3	14.4	14.4	14.5	14.5	14.6
95°	27.5	28.1	28.3	28.5	28.7	28.9	28.9	28.9	28.9	28.9	28.8
97.5°	46.4	47.1	47.5	47.8	48.2	48.6	48.6	48.6	48.6	48.6	48.6
100°	60.6	61.2	61.5	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3
102.5°	75.1	75.7	76.0	76.4	76.8	77.2	77.2	77.3	77.4	77.5	77.5
105°	98.3	98.5	98.8	98.9	99.2	99.4	99.6	99.8	100.0	100.2	100.3
107.5°	123.7	123.9	123.9	123.9	123.9	123.9	124.0	124.1	124.1	124.2	124.0
110°	140.2	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.4



TEST NUMBER: P331682-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	157.6	157.8	157.7	157.6	157.6	157.5	157.2	157.0	156.8	156.5	156.3
115°	183.1	183.3	183.1	182.9	182.7	182.5	182.4	182.3	182.2	182.1	181.9
117.5°	209.4	209.5	209.0	208.3	207.8	207.2	207.0	206.8	206.5	206.3	206.0
120°	226.4	226.4	225.5	224.7	223.9	223.2	223.2	223.2	223.2	223.2	223.0
122.5°	242.6	242.7	242.2	241.6	241.1	240.5	240.3	240.0	239.8	239.6	239.3
125°	266.5	266.8	266.5	266.3	265.9	265.6	265.3	265.0	264.7	264.4	264.2
127.5°	291.0	291.4	291.1	290.7	290.4	290.0	289.6	289.3	288.9	288.6	288.2
130°	306.5	307.0	306.9	306.7	306.5	306.3	306.1	305.9	305.7	305.5	305.1
132.5°	322.2	322.7	322.8	322.8	322.9	322.9	322.5	322.0	321.5	321.2	320.8
135°	344.6	345.2	345.4	345.6	345.9	346.0	345.9	345.9	345.7	345.6	345.4
137.5°	367.2	367.7	368.0	368.3	368.5	368.8	368.7	368.6	368.5	368.4	368.2
140°	381.3	382.0	382.5	382.9	383.5	384.0	384.0	384.0	384.0	384.0	383.8
142.5°	395.7	396.3	396.7	397.0	397.4	397.7	397.8	397.8	397.9	398.0	397.8
145°	415.7	416.4	416.9	417.6	418.2	418.7	418.8	419.0	419.1	419.1	419.0
147.5°	434.7	435.4	435.8	436.2	436.6	437.0	437.2	437.4	437.7	437.9	437.8
150°	446.5	446.9	447.3	447.7	448.1	448.6	448.9	449.2	449.5	449.8	449.8
152.5°	457.6	458.2	458.7	459.1	459.6	460.2	460.5	460.9	461.3	461.7	461.7
155°	473.2	473.6	473.9	474.2	474.4	474.8	475.3	475.8	476.3	476.8	476.9
157.5°	487.3	487.4	487.6	487.8	488.0	488.1	488.9	489.5	490.2	490.9	491.0
160°	495.9	496.1	496.1	496.2	496.4	496.5	497.1	497.6	498.3	498.8	499.0
162.5°	503.2	503.3	503.4	503.5	503.6	503.7	504.4	505.0	505.7	506.4	506.5
165°	513.3	513.2	513.2	513.2	513.2	513.2	513.9	514.6	515.3	515.9	516.1
167.5°	521.3	521.1	521.1	521.1	521.0	521.0	521.7	522.4	523.2	523.9	523.9
170°	526.0	525.8	525.7	525.5	525.5	525.4	526.1	526.8	527.5	528.1	528.2
172.5°	529.3	529.0	528.9	528.9	528.7	528.6	529.3	530.0	530.8	531.4	531.5
175°	533.2	533.0	532.7	532.6	532.3	532.1	532.8	533.5	534.2	535.0	535.0
177.5°	535.0	534.9	534.7	534.6	534.4	534.2	534.7	535.2	535.7	536.1	536.1
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331682-927

CATALOG NUMBER: S122RDIP-S675D530U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1117.5	1118.2	1117.2	1117.8	1117.2	1118.2	1117.5	1121.1	1121.7	1122.4	1121.7
5°	1041.2	1036.4	1035.6	1034.4	1035.6	1036.4	1041.2	1043.3	1044.9	1048.1	1053.8
7.5°	950.2	949.4	947.5	944.6	947.5	949.4	950.2	957.1	962.7	968.9	980.5
10°	891.6	889.6	889.2	886.4	889.2	889.6	891.6	900.6	907.0	915.9	931.7
12.5°	823.1	810.0	808.7	801.6	808.7	810.0	823.1	834.6	852.0	860.5	877.3
15°	700.8	698.4	690.2	685.0	690.2	698.4	700.8	710.5	716.9	740.4	767.5
17.5°	630.9	623.0	620.4	619.3	620.4	623.0	630.9	635.6	644.8	657.2	673.5
20°	585.9	578.7	577.4	576.6	577.4	578.7	585.9	591.6	598.9	612.2	629.2
22.5°	554.8	547.2	544.2	541.7	544.2	547.2	554.8	559.3	565.9	576.3	587.8
25°	501.8	499.0	497.4	496.5	497.4	499.0	501.8	505.9	512.3	526.5	538.6
27.5°	460.3	454.1	452.9	450.8	452.9	454.1	460.3	467.5	474.3	480.6	491.5
30°	436.7	434.7	431.9	429.4	431.9	434.7	436.7	440.4	444.8	455.7	466.3
32.5°	408.9	407.2	404.7	403.5	404.7	407.2	408.9	413.8	423.1	429.8	437.4
35°	378.1	372.4	370.0	366.4	370.0	372.4	378.1	382.1	385.8	391.4	405.2
37.5°	345.5	342.5	339.1	340.3	339.1	342.5	345.5	347.2	354.9	362.7	368.7
40°	320.3	318.2	317.4	317.0	317.4	318.2	320.3	325.5	334.9	338.4	347.4
42.5°	300.2	294.6	292.6	292.5	292.6	294.6	300.2	306.1	311.9	317.7	327.0
45°	269.7	264.4	260.8	261.3	260.8	264.4	269.7	271.7	276.6	288.4	293.6
47.5°	238.5	238.4	236.1	236.8	236.1	238.4	238.5	242.0	248.2	255.4	263.8
50°	223.6	221.2	219.6	220.0	219.6	221.2	223.6	226.5	230.0	233.7	246.7
52.5°	209.4	207.3	206.0	207.7	206.0	207.3	209.4	211.0	213.6	217.2	225.9
55°	186.0	183.5	183.2	182.8	183.2	183.5	186.0	188.1	191.2	194.1	198.1
57.5°	159.9	158.3	155.8	154.8	155.8	158.3	159.9	162.9	166.8	170.5	174.7
60°	141.1	137.9	133.9	133.4	133.9	137.9	141.1	146.4	148.0	153.7	158.5
62.5°	124.0	123.3	122.6	122.5	122.6	123.3	124.0	125.6	127.9	136.2	142.0
65°	108.8	108.4	108.8	109.2	108.8	108.4	108.8	109.6	110.0	110.8	113.2
67.5°	94.8	94.0	93.3	93.6	93.3	94.0	94.8	95.0	96.1	96.6	98.2
70°	84.1	83.7	83.3	83.3	83.3	83.7	84.1	84.9	85.7	86.5	88.6
72.5°	73.8	73.7	73.3	73.0	73.3	73.7	73.8	75.2	75.7	76.5	77.9
75°	59.0	58.2	58.2	58.2	58.2	58.2	59.0	59.4	59.8	61.1	61.9
77.5°	45.0	44.6	44.1	43.8	44.1	44.6	45.0	45.1	45.7	45.9	46.8
80°	35.6	35.2	34.8	34.8	34.8	35.2	35.6	36.0	36.0	37.2	36.8
82.5°	27.2	26.8	26.7	26.4	26.7	26.8	27.2	27.3	27.3	28.1	28.0
85°	14.6	15.0	14.6	15.4	14.6	15.0	14.6	14.2	14.6	15.4	15.4
87.5°	7.2	6.9	7.3	7.0	7.3	6.9	7.2	7.2	7.5	7.6	7.6
90°	15.1	15.1	15.3	15.4	15.3	15.1	15.1	15.0	15.0	15.2	15.4
92.5°	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4
95°	28.6	28.4	28.2	28.0	28.2	28.4	28.6	28.8	28.9	28.9	28.9
97.5°	48.6	48.6	48.6	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
100°	62.2	62.1	62.0	61.9	62.0	62.1	62.2	62.3	62.3	62.3	62.3
102.5°	77.4	77.2	77.2	77.1	77.2	77.2	77.4	77.5	77.5	77.4	77.3
105°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.2	100.0	99.8
107.5°	123.5	123.1	122.6	122.2	122.6	123.1	123.5	124.0	124.2	124.1	124.1
110°	140.1	139.7	139.4	139.1	139.4	139.7	140.1	140.4	140.5	140.5	140.5



TEST NUMBER: P331682-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	156.1	155.8	155.6	155.4	155.6	155.8	156.1	156.3	156.5	156.8	157.0
115°	181.6	181.3	181.0	180.7	181.0	181.3	181.6	181.9	182.1	182.2	182.3
117.5°	205.7	205.4	205.1	204.8	205.1	205.4	205.7	206.0	206.3	206.5	206.8
120°	222.7	222.4	222.1	221.8	222.1	222.4	222.7	223.0	223.2	223.2	223.2
122.5°	239.1	238.8	238.7	238.4	238.7	238.8	239.1	239.3	239.6	239.8	240.0
125°	264.1	264.0	263.9	263.8	263.9	264.0	264.1	264.2	264.4	264.7	265.0
127.5°	287.9	287.6	287.2	286.9	287.2	287.6	287.9	288.2	288.6	288.9	289.3
130°	304.8	304.4	304.0	303.6	304.0	304.4	304.8	305.1	305.5	305.7	305.9
132.5°	320.4	320.1	319.8	319.5	319.8	320.1	320.4	320.8	321.2	321.5	322.0
135°	345.2	344.8	344.5	344.2	344.5	344.8	345.2	345.4	345.6	345.7	345.9
137.5°	367.8	367.4	367.0	366.6	367.0	367.4	367.8	368.2	368.4	368.5	368.6
140°	383.3	382.9	382.5	382.1	382.5	382.9	383.3	383.8	384.0	384.0	384.0
142.5°	397.4	397.0	396.6	396.2	396.6	397.0	397.4	397.8	398.0	397.9	397.8
145°	418.6	418.2	417.8	417.4	417.8	418.2	418.6	419.0	419.1	419.1	419.0
147.5°	437.4	437.0	436.7	436.3	436.7	437.0	437.4	437.8	437.9	437.7	437.4
150°	449.5	449.2	448.9	448.6	448.9	449.2	449.5	449.8	449.8	449.5	449.2
152.5°	461.3	460.9	460.5	460.2	460.5	460.9	461.3	461.7	461.7	461.3	460.9
155°	476.6	476.3	475.9	475.7	475.9	476.3	476.6	476.9	476.8	476.3	475.8
157.5°	490.5	490.0	489.6	489.0	489.6	490.0	490.5	491.0	490.9	490.2	489.5
160°	498.6	498.2	497.7	497.3	497.7	498.2	498.6	499.0	498.8	498.3	497.6
162.5°	506.0	505.6	505.1	504.6	505.1	505.6	506.0	506.5	506.4	505.7	505.0
165°	515.6	515.1	514.6	514.0	514.6	515.1	515.6	516.1	515.9	515.3	514.6
167.5°	523.4	522.9	522.4	521.8	522.4	522.9	523.4	523.9	523.9	523.2	522.4
170°	527.6	527.0	526.4	525.9	526.4	527.0	527.6	528.2	528.1	527.5	526.8
172.5°	530.9	530.3	529.7	529.1	529.7	530.3	530.9	531.5	531.4	530.8	530.0
175°	534.4	533.8	533.2	532.6	533.2	533.8	534.4	535.0	535.0	534.2	533.5
177.5°	535.7	535.2	534.7	534.2	534.7	535.2	535.7	536.1	536.1	535.7	535.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331682-927

CATALOG NUMBER: S122RDIP-S675D530U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1119.1	1123.6	1130.4	1134.3	1140.8	1145.0	1147.3	1151.5	1153.7	1161.8	1170.3
5°	1056.6	1063.1	1074.4	1084.9	1096.2	1107.9	1116.5	1126.2	1135.0	1150.4	1166.6
7.5°	985.0	994.0	1011.5	1028.3	1048.0	1064.5	1079.2	1095.7	1110.6	1132.6	1155.6
10°	931.3	947.1	970.1	985.9	1011.8	1028.3	1051.4	1069.5	1090.2	1119.3	1145.2
12.5°	885.0	904.0	922.5	944.4	967.7	995.3	1020.6	1044.0	1068.5	1098.6	1129.0
15°	801.1	828.5	857.3	879.5	911.1	940.2	969.7	1001.2	1031.2	1067.1	1106.8
17.5°	693.0	724.8	773.2	811.3	848.3	877.5	914.0	952.2	987.5	1030.9	1075.0
20°	644.2	667.7	700.4	751.7	807.6	838.7	875.8	917.9	958.4	1005.7	1053.0
22.5°	605.0	625.9	652.2	692.2	754.5	796.9	835.8	878.5	925.3	973.7	1026.1
25°	549.1	563.7	591.2	623.5	666.4	736.3	778.8	821.7	872.7	924.4	984.2
27.5°	507.2	520.2	538.1	569.0	600.9	651.1	718.7	765.4	816.2	874.4	936.5
30°	475.2	490.5	510.3	532.2	567.0	606.2	673.7	727.9	778.0	837.9	904.2
32.5°	451.9	464.0	480.9	503.0	532.0	569.6	623.5	689.4	738.2	801.3	870.5
35°	413.7	427.9	441.6	462.6	486.1	520.5	561.3	631.6	680.2	742.4	812.0
37.5°	382.2	390.9	406.1	422.7	447.5	473.1	508.5	571.6	624.1	685.2	756.5
40°	358.3	369.2	380.5	399.1	419.3	444.0	478.8	525.7	585.9	645.8	715.3
42.5°	335.0	348.8	360.8	373.2	395.4	420.1	448.4	488.1	549.7	606.3	673.9
45°	306.9	315.8	328.4	342.1	360.3	381.4	406.4	441.2	500.2	549.1	612.6
47.5°	274.3	287.2	295.4	308.9	326.1	346.2	369.6	399.6	447.4	493.3	552.2
50°	251.9	265.3	277.0	289.1	304.5	323.9	343.3	372.4	410.8	459.0	514.0
52.5°	232.8	244.5	256.0	268.1	283.1	301.0	319.4	344.9	377.9	422.1	475.5
55°	206.6	213.9	225.6	237.7	251.1	268.1	285.9	307.3	335.6	372.8	416.1
57.5°	179.7	188.2	197.5	209.7	223.2	236.2	252.2	271.6	294.0	327.6	364.6
60°	164.6	171.0	178.7	191.2	203.8	215.6	230.9	247.1	268.1	297.2	328.8
62.5°	147.7	153.9	161.0	171.8	184.1	194.8	208.3	225.4	243.2	269.7	297.4
65°	119.7	128.6	135.5	145.2	155.3	166.6	177.1	190.8	206.6	227.7	252.3
67.5°	99.3	103.8	110.1	119.0	129.3	139.0	149.0	159.7	173.4	189.6	209.2
70°	90.2	91.8	93.0	101.5	111.2	120.9	130.2	140.3	152.0	165.4	182.4
72.5°	79.5	81.1	82.6	86.3	94.0	103.8	113.4	120.9	132.0	143.1	156.9
75°	63.1	65.5	66.7	68.8	71.6	78.0	86.9	94.2	100.7	109.2	120.1
77.5°	48.0	49.4	50.7	52.8	54.6	57.6	62.6	69.2	75.2	80.2	87.7
80°	38.0	38.4	40.0	40.9	43.3	45.3	47.7	53.0	59.0	61.1	66.3
82.5°	28.6	29.1	30.3	31.1	32.2	34.0	37.1	38.4	43.2	45.9	49.2
85°	15.8	15.4	16.6	16.6	17.3	18.2	19.0	21.0	22.3	25.5	26.3
87.5°	8.0	8.0	7.9	7.4	7.1	7.2	7.2	7.3	7.7	8.4	9.5
90°	15.6	15.8	13.6	11.4	9.2	7.0	5.3	4.0	2.9	1.7	0.5
92.5°	14.4	14.3	13.9	13.3	12.8	12.3	11.6	10.7	9.8	9.0	8.1
95°	28.9	28.9	28.7	28.5	28.3	28.1	27.5	26.5	25.5	24.5	23.5
97.5°	48.6	48.6	48.2	47.8	47.5	47.1	46.4	45.6	44.7	43.8	42.9
100°	62.3	62.3	62.0	61.7	61.5	61.2	60.6	59.8	58.9	58.1	57.4
102.5°	77.2	77.2	76.8	76.4	76.0	75.7	75.1	74.5	73.8	73.2	72.6
105°	99.6	99.4	99.2	98.9	98.8	98.5	98.3	98.0	97.8	97.4	97.1
107.5°	124.0	123.9	123.9	123.9	123.9	123.9	123.7	123.2	122.8	122.3	121.9
110°	140.5	140.5	140.5	140.5	140.5	140.5	140.2	139.6	138.9	138.4	137.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	157.2	157.5	157.6	157.6	157.7	157.8	157.6	156.9	156.3	155.7	155.1
115°	182.4	182.5	182.7	182.9	183.1	183.3	183.1	182.5	181.9	181.3	180.7
117.5°	207.0	207.2	207.8	208.3	209.0	209.5	209.4	208.6	207.8	207.0	206.2
120°	223.2	223.2	223.9	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2
122.5°	240.3	240.5	241.1	241.6	242.2	242.7	242.6	241.6	240.7	239.6	238.7
125°	265.3	265.6	265.9	266.3	266.5	266.8	266.5	265.6	264.7	263.8	262.9
127.5°	289.6	290.0	290.4	290.7	291.1	291.4	291.0	289.9	288.8	287.6	286.5
130°	306.1	306.3	306.5	306.7	306.9	307.0	306.5	305.2	303.9	302.6	301.3
132.5°	322.5	322.9	322.9	322.8	322.8	322.7	322.2	321.2	320.0	319.0	317.9
135°	345.9	346.0	345.9	345.6	345.4	345.2	344.6	343.5	342.4	341.3	340.2
137.5°	368.7	368.8	368.5	368.3	368.0	367.7	367.2	366.3	365.4	364.5	363.5
140°	384.0	384.0	383.5	382.9	382.5	382.0	381.3	380.3	379.5	378.6	377.6
142.5°	397.8	397.7	397.4	397.0	396.7	396.3	395.7	394.8	394.0	393.0	392.1
145°	418.8	418.7	418.2	417.6	416.9	416.4	415.7	415.0	414.3	413.6	412.9
147.5°	437.2	437.0	436.6	436.2	435.8	435.4	434.7	434.0	433.1	432.2	431.4
150°	448.9	448.6	448.1	447.7	447.3	446.9	446.5	445.8	445.3	444.7	444.1
152.5°	460.5	460.2	459.6	459.1	458.7	458.2	457.6	457.1	456.5	455.9	455.3
155°	475.3	474.8	474.4	474.2	473.9	473.6	473.2	472.9	472.7	472.4	472.1
157.5°	488.9	488.1	488.0	487.8	487.6	487.4	487.3	487.0	486.8	486.6	486.4
160°	497.1	496.5	496.4	496.2	496.1	496.1	495.9	495.7	495.5	495.3	495.1
162.5°	504.4	503.7	503.6	503.5	503.4	503.3	503.2	503.2	503.1	503.1	503.0
165°	513.9	513.2	513.2	513.2	513.2	513.2	513.3	513.3	513.4	513.5	513.7
167.5°	521.7	521.0	521.0	521.1	521.1	521.1	521.3	521.6	521.9	522.2	522.4
170°	526.1	525.4	525.5	525.5	525.7	525.8	526.0	526.2	526.6	526.9	527.2
172.5°	529.3	528.6	528.7	528.9	528.9	529.0	529.3	529.5	529.8	530.1	530.4
175°	532.8	532.1	532.3	532.6	532.7	533.0	533.2	533.5	533.8	534.1	534.4
177.5°	534.7	534.2	534.4	534.6	534.7	534.9	535.0	535.3	535.5	535.8	536.1
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1170.6	1171.6	1178.1	1180.9	1186.8	1189.0	1191.6	1191.0	1191.0	1192.2	1201.3
5°	1173.1	1181.1	1193.3	1205.0	1216.3	1226.1	1232.6	1239.0	1241.4	1253.2	1263.7
7.5°	1168.9	1183.8	1203.8	1221.7	1243.1	1259.9	1273.7	1286.3	1294.9	1311.9	1329.4
10°	1163.4	1184.4	1207.0	1230.1	1259.6	1281.8	1304.5	1321.9	1327.5	1353.0	1367.6
12.5°	1152.4	1180.5	1209.3	1239.1	1268.0	1298.7	1323.6	1341.0	1360.9	1383.8	1410.6
15°	1135.9	1168.2	1205.9	1244.3	1285.5	1322.7	1349.4	1379.7	1401.5	1426.6	1450.1
17.5°	1112.1	1153.8	1201.7	1246.1	1293.8	1333.8	1370.5	1399.6	1415.0	1429.3	1432.7
20°	1093.4	1138.3	1194.5	1247.1	1294.8	1340.9	1377.3	1401.5	1405.6	1406.0	1384.6
22.5°	1073.0	1123.7	1182.6	1236.4	1293.5	1344.8	1373.1	1383.5	1367.4	1340.0	1298.5
25°	1035.6	1094.2	1162.6	1224.0	1286.3	1334.8	1344.6	1326.4	1270.1	1211.1	1136.3
27.5°	995.0	1060.9	1134.2	1202.5	1268.8	1298.9	1277.9	1212.4	1111.1	1023.1	916.5
30°	965.3	1039.3	1111.2	1187.6	1249.1	1262.0	1213.9	1117.3	999.2	866.6	760.3
32.5°	931.3	1008.8	1087.9	1167.0	1218.4	1205.8	1126.2	1007.3	868.9	738.5	637.9
35°	882.7	962.8	1048.1	1127.4	1160.2	1105.6	986.7	831.8	690.2	568.5	499.4
37.5°	826.7	913.9	1002.6	1075.4	1073.0	982.1	820.1	660.3	541.3	469.3	420.1
40°	786.9	875.0	970.9	1032.4	1006.1	887.6	712.1	561.3	474.4	416.9	380.9
42.5°	748.8	837.2	932.4	981.3	935.6	789.9	615.1	496.9	425.2	380.3	351.2
45°	683.8	777.2	865.4	892.5	810.8	650.2	497.4	411.6	363.9	330.8	310.5
47.5°	620.3	712.2	792.7	793.1	682.6	527.3	419.5	356.2	315.5	289.9	275.1
50°	581.5	668.8	736.3	725.9	600.5	469.1	375.3	320.7	286.7	266.9	251.5
52.5°	537.8	622.6	681.0	651.1	530.9	412.8	335.5	289.6	261.5	244.2	230.5
55°	474.4	549.5	590.8	545.5	433.1	343.3	283.4	247.5	226.5	211.9	200.2
57.5°	411.9	474.0	499.9	447.3	356.7	284.7	239.8	212.8	191.9	181.5	175.4
60°	372.8	425.8	444.0	385.8	310.1	249.1	212.3	187.2	171.8	165.0	158.9
62.5°	334.3	377.6	385.2	331.8	270.4	218.0	186.4	165.2	155.0	148.5	142.8
65°	277.4	308.6	304.9	262.1	213.9	173.1	150.0	137.0	129.4	120.1	110.0
67.5°	228.4	247.4	235.9	203.8	163.3	134.5	119.5	109.6	100.1	91.3	89.0
70°	197.3	208.3	196.1	166.6	133.9	112.8	100.7	89.0	83.3	81.3	77.6
72.5°	167.5	171.3	158.3	132.9	108.9	93.4	81.6	75.0	72.0	70.3	68.0
75°	125.8	122.9	111.6	91.8	75.7	65.1	61.5	59.0	57.0	55.4	54.2
77.5°	88.3	84.2	74.1	61.2	52.7	47.6	45.5	44.1	43.2	42.4	41.2
80°	66.3	63.5	53.4	43.6	40.0	37.6	36.4	34.8	34.8	34.0	32.7
82.5°	48.6	45.4	36.5	32.0	30.0	28.5	27.6	26.7	26.4	26.5	25.7
85°	25.5	20.6	18.2	17.3	16.2	15.4	15.8	15.0	15.0	15.0	14.6
87.5°	8.1	6.7	6.7	6.6	7.2	7.7	7.8	8.2	9.0	8.6	8.9
90°	1.7	2.9	4.0	5.3	7.0	9.2	11.4	13.6	15.8	15.6	15.4
92.5°	9.0	9.8	10.7	11.6	12.3	12.8	13.3	13.9	14.3	14.4	14.4
95°	24.5	25.5	26.5	27.5	28.1	28.3	28.5	28.7	28.9	28.9	28.9
97.5°	43.8	44.7	45.6	46.4	47.1	47.5	47.8	48.2	48.6	48.6	48.6
100°	58.1	58.9	59.8	60.6	61.2	61.5	61.7	62.0	62.3	62.3	62.3
102.5°	73.2	73.8	74.5	75.1	75.7	76.0	76.4	76.8	77.2	77.2	77.3
105°	97.4	97.8	98.0	98.3	98.5	98.8	98.9	99.2	99.4	99.6	99.8
107.5°	122.3	122.8	123.2	123.7	123.9	123.9	123.9	123.9	123.9	124.0	124.1
110°	138.4	138.9	139.6	140.2	140.5	140.5	140.5	140.5	140.5	140.5	140.5





TEST NUMBER: P331682-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.7	156.3	156.9	157.6	157.8	157.7	157.6	157.6	157.5	157.2	157.0
115°	181.3	181.9	182.5	183.1	183.3	183.1	182.9	182.7	182.5	182.4	182.3
117.5°	207.0	207.8	208.6	209.4	209.5	209.0	208.3	207.8	207.2	207.0	206.8
120°	223.9	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2	223.2	223.2
122.5°	239.6	240.7	241.6	242.6	242.7	242.2	241.6	241.1	240.5	240.3	240.0
125°	263.8	264.7	265.6	266.5	266.8	266.5	266.3	265.9	265.6	265.3	265.0
127.5°	287.6	288.8	289.9	291.0	291.4	291.1	290.7	290.4	290.0	289.6	289.3
130°	302.6	303.9	305.2	306.5	307.0	306.9	306.7	306.5	306.3	306.1	305.9
132.5°	319.0	320.0	321.2	322.2	322.7	322.8	322.8	322.9	322.9	322.5	322.0
135°	341.3	342.4	343.5	344.6	345.2	345.4	345.6	345.9	346.0	345.9	345.9
137.5°	364.5	365.4	366.3	367.2	367.7	368.0	368.3	368.5	368.8	368.7	368.6
140°	378.6	379.5	380.3	381.3	382.0	382.5	382.9	383.5	384.0	384.0	384.0
142.5°	393.0	394.0	394.8	395.7	396.3	396.7	397.0	397.4	397.7	397.8	397.8
145°	413.6	414.3	415.0	415.7	416.4	416.9	417.6	418.2	418.7	418.8	419.0
147.5°	432.2	433.1	434.0	434.7	435.4	435.8	436.2	436.6	437.0	437.2	437.4
150°	444.7	445.3	445.8	446.5	446.9	447.3	447.7	448.1	448.6	448.9	449.2
152.5°	455.9	456.5	457.1	457.6	458.2	458.7	459.1	459.6	460.2	460.5	460.9
155°	472.4	472.7	472.9	473.2	473.6	473.9	474.2	474.4	474.8	475.3	475.8
157.5°	486.6	486.8	487.0	487.3	487.4	487.6	487.8	488.0	488.1	488.9	489.5
160°	495.3	495.5	495.7	495.9	496.1	496.1	496.2	496.4	496.5	497.1	497.6
162.5°	503.1	503.1	503.2	503.2	503.3	503.4	503.5	503.6	503.7	504.4	505.0
165°	513.5	513.4	513.3	513.3	513.2	513.2	513.2	513.2	513.2	513.9	514.6
167.5°	522.2	521.9	521.6	521.3	521.1	521.1	521.1	521.0	521.0	521.7	522.4
170°	526.9	526.6	526.2	526.0	525.8	525.7	525.5	525.5	525.4	526.1	526.8
172.5°	530.1	529.8	529.5	529.3	529.0	528.9	528.9	528.7	528.6	529.3	530.0
175°	534.1	533.8	533.5	533.2	533.0	532.7	532.6	532.3	532.1	532.8	533.5
177.5°	535.8	535.5	535.3	535.0	534.9	534.7	534.6	534.4	534.2	534.7	535.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1204.5	1208.7	1210.7	1210.7	1213.0	1212.0	1211.0
5°	1273.7	1281.4	1283.1	1290.4	1295.6	1294.0	1294.8
7.5°	1342.6	1354.9	1367.1	1372.8	1373.6	1376.9	1378.1
10°	1385.0	1395.1	1414.1	1411.3	1425.4	1433.5	1420.1
12.5°	1425.8	1439.4	1452.5	1456.2	1464.3	1466.8	1461.6
15°	1462.6	1469.9	1470.7	1468.7	1471.1	1469.1	1461.4
17.5°	1428.1	1416.3	1392.4	1381.1	1372.1	1358.8	1353.5
20°	1371.2	1336.4	1296.0	1279.8	1260.8	1223.6	1232.6
22.5°	1248.3	1208.6	1168.2	1121.0	1098.4	1063.2	1061.0
25°	1057.0	988.7	913.5	860.9	830.2	795.0	779.7
27.5°	821.8	735.8	674.1	642.9	614.6	586.7	585.5
30°	667.2	602.5	554.8	528.1	510.7	499.0	501.5
32.5°	562.4	518.1	485.9	463.7	450.9	442.0	441.9
35°	459.8	429.4	408.8	399.5	390.2	383.7	384.1
37.5°	393.5	375.3	363.8	353.5	347.7	344.5	342.8
40°	359.5	344.5	335.6	329.5	324.7	320.3	319.5
42.5°	332.6	320.3	311.3	306.6	302.1	298.9	298.1
45°	295.2	285.1	277.0	271.7	269.7	266.9	266.9
47.5°	262.6	252.6	246.4	243.0	239.6	237.7	237.6
50°	240.6	232.9	227.3	225.2	222.4	221.2	220.8
52.5°	220.9	215.2	211.1	209.7	208.5	206.9	207.2
55°	194.1	190.8	189.3	188.1	186.0	183.5	185.2
57.5°	171.5	168.8	164.5	160.7	158.8	157.1	157.7
60°	155.7	150.0	144.3	139.9	138.7	135.1	135.1
62.5°	135.6	127.7	120.7	118.3	117.0	115.3	115.0
65°	104.3	101.1	99.5	97.8	97.0	97.0	96.3
67.5°	86.4	85.2	83.4	82.9	82.1	81.9	81.7
70°	76.4	74.8	74.0	73.6	72.8	73.2	72.0
72.5°	66.7	65.4	65.3	64.2	63.7	63.8	62.9
75°	52.6	52.6	52.1	51.7	50.9	50.5	50.9
77.5°	40.4	40.5	39.8	39.7	39.6	39.7	39.3
80°	32.3	32.7	32.3	31.9	31.5	31.9	31.5
82.5°	25.6	25.0	24.9	24.8	24.7	24.5	24.4
85°	14.6	15.0	14.6	14.2	14.2	14.2	14.6
87.5°	8.6	8.5	8.5	8.5	8.6	8.6	8.2
90°	15.2	15.0	15.0	15.1	15.1	15.3	15.4
92.5°	14.5	14.5	14.6	14.6	14.6	14.7	14.7
95°	28.9	28.9	28.8	28.6	28.4	28.2	28.0
97.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.5
100°	62.3	62.3	62.3	62.2	62.1	62.0	61.9
102.5°	77.4	77.5	77.5	77.4	77.2	77.2	77.1
105°	100.0	100.2	100.3	100.3	100.3	100.3	100.3
107.5°	124.1	124.2	124.0	123.5	123.1	122.6	122.2
110°	140.5	140.5	140.4	140.1	139.7	139.4	139.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	156.8	156.5	156.3	156.1	155.8	155.6	155.4
115°	182.2	182.1	181.9	181.6	181.3	181.0	180.7
117.5°	206.5	206.3	206.0	205.7	205.4	205.1	204.8
120°	223.2	223.2	223.0	222.7	222.4	222.1	221.8
122.5°	239.8	239.6	239.3	239.1	238.8	238.7	238.4
125°	264.7	264.4	264.2	264.1	264.0	263.9	263.8
127.5°	288.9	288.6	288.2	287.9	287.6	287.2	286.9
130°	305.7	305.5	305.1	304.8	304.4	304.0	303.6
132.5°	321.5	321.2	320.8	320.4	320.1	319.8	319.5
135°	345.7	345.6	345.4	345.2	344.8	344.5	344.2
137.5°	368.5	368.4	368.2	367.8	367.4	367.0	366.6
140°	384.0	384.0	383.8	383.3	382.9	382.5	382.1
142.5°	397.9	398.0	397.8	397.4	397.0	396.6	396.2
145°	419.1	419.1	419.0	418.6	418.2	417.8	417.4
147.5°	437.7	437.9	437.8	437.4	437.0	436.7	436.3
150°	449.5	449.8	449.8	449.5	449.2	448.9	448.6
152.5°	461.3	461.7	461.7	461.3	460.9	460.5	460.2
155°	476.3	476.8	476.9	476.6	476.3	475.9	475.7
157.5°	490.2	490.9	491.0	490.5	490.0	489.6	489.0
160°	498.3	498.8	499.0	498.6	498.2	497.7	497.3
162.5°	505.7	506.4	506.5	506.0	505.6	505.1	504.6
165°	515.3	515.9	516.1	515.6	515.1	514.6	514.0
167.5°	523.2	523.9	523.9	523.4	522.9	522.4	521.8
170°	527.5	528.1	528.2	527.6	527.0	526.4	525.9
172.5°	530.8	531.4	531.5	530.9	530.3	529.7	529.1
175°	534.2	535.0	535.0	534.4	533.8	533.2	532.6
177.5°	535.7	536.1	536.1	535.7	535.2	534.7	534.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3

(END OF REPORT)