

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: P331688-927

Luminaire Tested: **SA2XXRDIP-C675D725U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331688-927
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: SA2XXRDIP-C675D725U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4065.9 lumens
Efficiency: N/A
Efficacy: 88.6 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

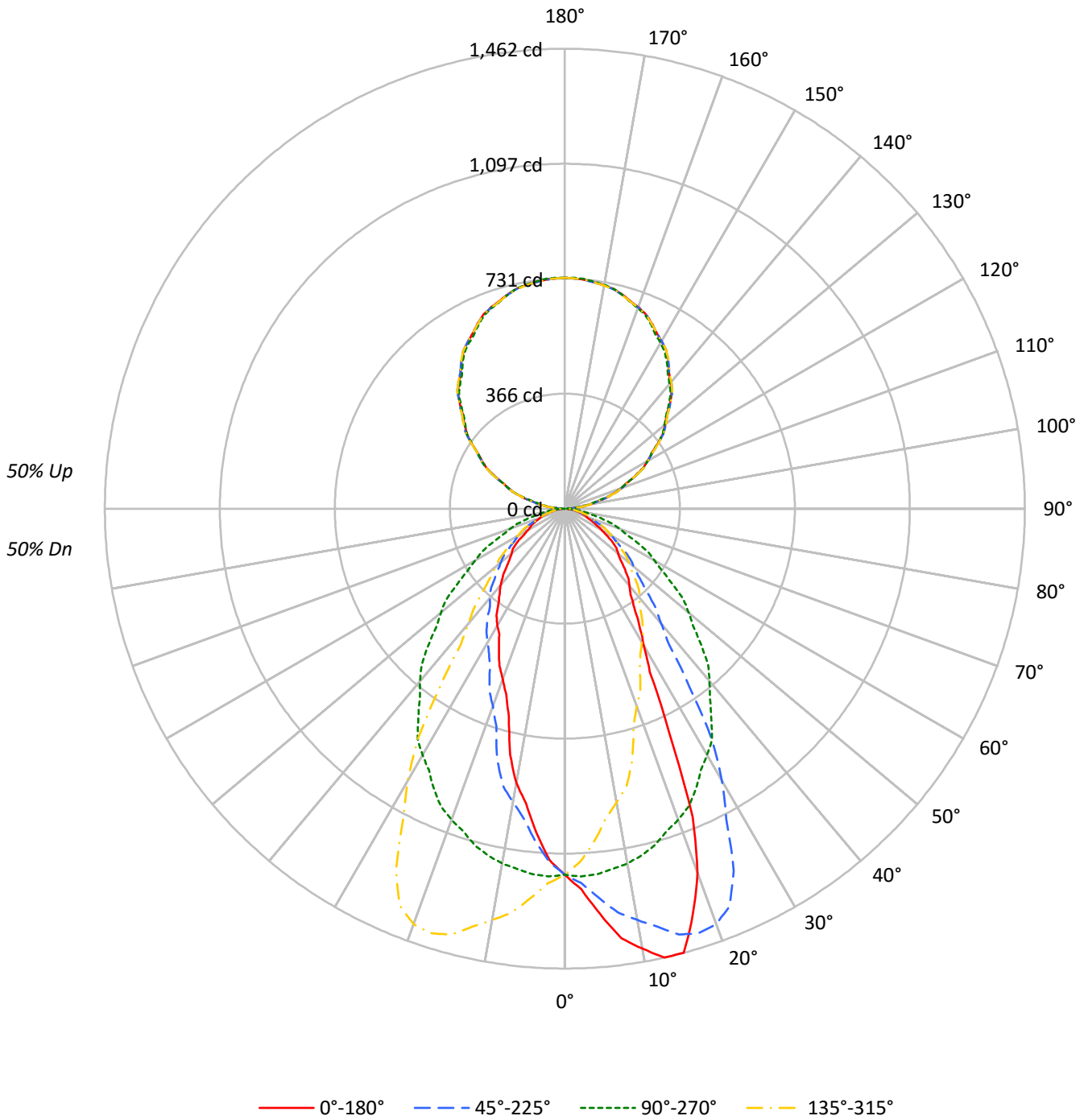
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	88	91	87	84	81	74	72	70	62	60	59	50	49	48	43
2	90	83	78	73	83	77	72	68	66	62	59	55	53	50	45	44	42	37
3	83	74	67	62	76	69	63	58	59	54	51	50	46	44	41	39	37	33
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	32	29
5	70	59	52	46	65	55	49	43	48	43	39	41	37	34	34	31	29	26
6	65	54	46	40	60	50	43	38	43	38	34	37	33	30	31	28	26	23
7	60	49	41	36	56	46	39	34	40	34	30	34	30	27	29	26	23	21
8	56	45	37	32	52	42	35	31	36	31	27	31	27	24	27	24	21	19
9	53	41	34	29	49	38	32	28	34	28	25	29	25	22	25	22	20	17
10	49	38	31	26	46	35	29	25	31	26	23	27	23	20	23	20	18	16

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	2.7
10°-20°	307.4	7.6
20°-30°	396.1	9.7
30°-40°	376.4	9.3
40°-50°	322.5	7.9
50°-60°	245.6	6.0
60°-70°	155.2	3.8
70°-80°	77.5	1.9
80°-90°	23.1	0.6
90°-100°	46.5	1.1
100°-110°	144.4	3.6
110°-120°	246.8	6.1
120°-130°	324.6	8.0
130°-140°	364.3	9.0
140°-150°	357.2	8.8
150°-160°	299.6	7.4
160°-170°	198.7	4.9
170°-180°	69.5	1.7
0°-30°	813.8	20.0
0°-40°	1190.3	29.3
0°-60°	1758.3	43.2
0°-90°	2014.2	49.5
90°-120°	437.7	10.8
90°-150°	1483.9	36.5
90°-180°	2052.0	50.5
0°-180°	4065.9	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°	21	1	21	1	21	10
95°	38	32	38	32	38	43
105°	137	133	137	133	137	145
115°	248	248	248	248	248	245
125°	362	360	362	360	362	322
135°	472	466	472	466	472	363
145°	572	566	572	566	572	357
155°	652	647	652	647	652	300
165°	705	704	705	704	705	199
175°	730	732	730	732	730	69
180°	734	734	734	734	734	



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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°	9.3	9.7	9.7	9.7	9.6	9.6	9.7	10.1	9.7	10.1	9.2
90°	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2	21.4	21.7	18.6
92.5°	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8	19.7	19.7	19.0
95°	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6	39.6	39.6	39.4
97.5°	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.1
100°	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.0
102.5°	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0	105.8	105.8	105.2
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8	136.5	136.3	135.9
107.5°	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0	169.9	169.8	169.8
110°	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2	215.6	215.9	215.9
115°	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9	250.0	250.2	250.4
117.5°	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4	283.8	284.1	284.9
120°	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9	305.9	305.9	307.0
122.5°	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0	329.3	329.6	330.4
125°	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3	363.7	364.1	364.5
127.5°	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6	397.0	397.5	398.0
130°	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3	419.5	419.9	420.1
132.5°	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4	442.0	442.6	442.5
135°	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0	474.2	474.3	474.0
137.5°	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3	505.4	505.5	505.2
140°	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3	526.3	526.3	525.6
142.5°	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3	545.3	545.2	544.7
145°	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3	574.2	574.0	573.1
147.5°	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6	599.3	599.0	598.5
150°	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7	615.3	614.9	614.3
152.5°	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8	631.2	630.7	630.0
155°	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1	651.5	650.8	650.4
157.5°	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0	670.0	669.1	668.8
160°	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1	681.4	680.5	680.4
162.5°	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3	691.3	690.4	690.3
165°	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4	704.4	703.4	703.4
167.5°	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1	715.2	714.2	714.2
170°	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1	721.1	720.1	720.3
172.5°	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5	725.6	724.6	724.8
175°	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3	730.4	729.4	729.7
177.5°	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6	732.9	732.3	732.5
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	8.6	8.3	7.8	7.0	7.0	6.9	8.2	9.5	8.6	7.9	7.6
90°	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6	2.3	4.0	5.5
92.5°	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0	12.2	13.5	14.7
95°	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2	33.6	34.9	36.4
97.5°	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9	60.0	61.2	62.4
100°	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7	79.8	80.8	81.9
102.5°	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4	100.3	101.2	102.1
105°	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2	133.6	134.0	134.4
107.5°	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1	167.7	168.3	168.9
110°	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9	189.6	190.5	191.3



TEST NUMBER: P331688-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6	213.5	214.3	215.1
115°	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7	248.5	249.3	250.2
117.5°	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6	283.7	284.8	285.9
120°	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	307.0	308.1	309.2
122.5°	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2	328.5	329.9	331.1
125°	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4	361.6	362.8	364.1
127.5°	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7	394.3	395.9	397.4
130°	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0	414.8	416.6	418.4
132.5°	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8	437.3	438.7	440.1
135°	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3	467.8	469.3	470.8
137.5°	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4	499.6	500.8	502.1
140°	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7	518.9	520.1	521.3
142.5°	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5	538.7	540.0	541.2
145°	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9	566.9	567.9	568.9
147.5°	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4	592.5	593.7	594.8
150°	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7	609.5	610.3	611.2
152.5°	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0	624.9	625.7	626.5
155°	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1	647.5	647.9	648.3
157.5°	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8	667.0	667.3	667.6
160°	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7	678.9	679.2	679.5
162.5°	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5	689.6	689.7	689.7
165°	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0	703.9	703.8	703.6
167.5°	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1	715.7	715.3	714.9
170°	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6	722.2	721.8	721.4
172.5°	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1	726.7	726.3	725.8
175°	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5	732.1	731.7	731.3
177.5°	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7	734.4	734.1	733.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331688-927

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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°	7.6	7.8	7.7	8.3	8.9	9.2	9.1	8.7	8.7	8.6	8.3
90°	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2	20.8	20.6	20.5
92.5°	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8	19.9	19.9	20.0
95°	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.5
97.5°	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6
100°	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5	85.5	85.5	85.4
102.5°	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0	106.1	106.2	106.2
105°	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8	137.0	137.4	137.4
107.5°	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0	170.1	170.2	170.0
110°	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2	214.8	214.5	214.2
115°	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9	249.8	249.6	249.3
117.5°	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4	283.1	282.7	282.4
120°	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9	305.9	305.9	305.7
122.5°	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0	328.7	328.4	328.0
125°	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3	362.8	362.4	362.2
127.5°	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6	396.0	395.5	395.1
130°	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3	419.0	418.7	418.3
132.5°	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4	440.8	440.2	439.7
135°	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0	473.9	473.7	473.5
137.5°	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3	505.2	505.1	504.8
140°	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3	526.3	526.3	526.0
142.5°	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3	545.5	545.6	545.3
145°	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3	574.4	574.6	574.3
147.5°	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6	599.9	600.2	600.2
150°	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7	616.1	616.6	616.6
152.5°	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8	632.3	632.8	632.8
155°	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1	652.8	653.6	653.7
157.5°	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0	671.9	672.9	673.0
160°	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1	683.0	683.8	684.0
162.5°	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3	693.2	694.2	694.3
165°	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4	706.3	707.3	707.4
167.5°	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1	717.1	718.0	718.2
170°	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1	723.0	724.0	724.1
172.5°	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5	727.5	728.4	728.5
175°	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3	732.3	733.2	733.3
177.5°	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6	734.3	734.9	734.9
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331688-927

CATALOG NUMBER: SA2XXRDIP-C675D725U927-4F0-1E-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°	8.3	8.0	8.4	8.1	8.4	8.0	8.3	8.3	8.6	8.7	8.7
90°	20.7	20.8	20.9	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2
92.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8
95°	39.2	39.0	38.7	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6
97.5°	66.6	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6
100°	85.2	85.1	85.0	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5
102.5°	106.1	105.9	105.8	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8
107.5°	169.4	168.7	168.1	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0
110°	191.9	191.5	191.2	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6



TEST NUMBER: P331688-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	213.9	213.6	213.3	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2
115°	248.9	248.5	248.1	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9
117.5°	282.0	281.5	281.1	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4
120°	305.2	304.8	304.4	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9
122.5°	327.7	327.4	327.1	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0
125°	362.0	361.9	361.8	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3
127.5°	394.7	394.2	393.8	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6
130°	417.7	417.2	416.7	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3
132.5°	439.2	438.8	438.3	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4
135°	473.1	472.7	472.2	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0
137.5°	504.2	503.7	503.1	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3
140°	525.5	525.0	524.4	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3
142.5°	544.8	544.2	543.8	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3
145°	573.8	573.2	572.7	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3
147.5°	599.6	599.0	598.6	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6
150°	616.1	615.7	615.3	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7
152.5°	632.3	631.8	631.2	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8
155°	653.2	652.8	652.4	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1
157.5°	672.3	671.7	671.0	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0
160°	683.4	682.9	682.3	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1
162.5°	693.6	693.0	692.3	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3
165°	706.7	706.0	705.4	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4
167.5°	717.5	716.8	716.1	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1
170°	723.3	722.4	721.6	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1
172.5°	727.7	726.8	726.0	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5
175°	732.5	731.7	730.9	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3
177.5°	734.3	733.6	732.9	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331688-927

CATALOG NUMBER: SA2XXRDIP-C675D725U927-4F0-1E-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°	9.1	9.2	8.9	8.3	7.7	7.8	7.6	7.6	7.9	8.6	9.5
90°	21.4	21.7	18.6	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6
92.5°	19.7	19.7	19.0	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0
95°	39.6	39.6	39.4	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2
97.5°	66.6	66.6	66.1	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9
100°	85.5	85.5	85.0	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7
102.5°	105.8	105.8	105.2	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4
105°	136.5	136.3	135.9	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2
107.5°	169.9	169.8	169.8	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1
110°	192.6	192.6	192.6	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9



TEST NUMBER: P331688-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	215.6	215.9	215.9	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6
115°	250.0	250.2	250.4	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7
117.5°	283.8	284.1	284.9	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6
120°	305.9	305.9	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9
122.5°	329.3	329.6	330.4	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2
125°	363.7	364.1	364.5	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4
127.5°	397.0	397.5	398.0	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7
130°	419.5	419.9	420.1	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0
132.5°	442.0	442.6	442.5	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8
135°	474.2	474.3	474.0	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3
137.5°	505.4	505.5	505.2	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4
140°	526.3	526.3	525.6	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7
142.5°	545.3	545.2	544.7	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5
145°	574.2	574.0	573.1	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9
147.5°	599.3	599.0	598.5	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4
150°	615.3	614.9	614.3	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7
152.5°	631.2	630.7	630.0	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0
155°	651.5	650.8	650.4	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1
157.5°	670.0	669.1	668.8	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8
160°	681.4	680.5	680.4	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7
162.5°	691.3	690.4	690.3	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5
165°	704.4	703.4	703.4	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0
167.5°	715.2	714.2	714.2	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1
170°	721.1	720.1	720.3	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6
172.5°	725.6	724.6	724.8	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1
175°	730.4	729.4	729.7	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5
177.5°	732.9	732.3	732.5	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331688-927

CATALOG NUMBER: SA2XXRDIP-C675D725U927-4F0-1E-UDD-A1

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°	8.2	6.9	7.0	7.0	7.8	8.3	8.6	9.2	10.1	9.7	10.1
90°	2.3	4.0	5.5	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2
92.5°	12.2	13.5	14.7	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8
95°	33.6	34.9	36.4	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6
97.5°	60.0	61.2	62.4	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6
100°	79.8	80.8	81.9	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5
102.5°	100.3	101.2	102.1	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0
105°	133.6	134.0	134.4	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8
107.5°	167.7	168.3	168.9	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0
110°	189.6	190.5	191.3	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.5	214.3	215.1	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2
115°	248.5	249.3	250.2	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9
117.5°	283.7	284.8	285.9	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4
120°	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9
122.5°	328.5	329.9	331.1	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0
125°	361.6	362.8	364.1	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3
127.5°	394.3	395.9	397.4	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6
130°	414.8	416.6	418.4	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3
132.5°	437.3	438.7	440.1	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4
135°	467.8	469.3	470.8	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0
137.5°	499.6	500.8	502.1	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3
140°	518.9	520.1	521.3	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3
142.5°	538.7	540.0	541.2	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3
145°	566.9	567.9	568.9	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3
147.5°	592.5	593.7	594.8	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6
150°	609.5	610.3	611.2	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7
152.5°	624.9	625.7	626.5	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8
155°	647.5	647.9	648.3	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1
157.5°	667.0	667.3	667.6	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0
160°	678.9	679.2	679.5	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1
162.5°	689.6	689.7	689.7	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3
165°	703.9	703.8	703.6	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4
167.5°	715.7	715.3	714.9	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1
170°	722.2	721.8	721.4	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1
172.5°	726.7	726.3	725.8	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5
175°	732.1	731.7	731.3	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3
177.5°	734.4	734.1	733.7	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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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°	9.7	9.6	9.6	9.7	9.7	9.7	9.3
90°	20.8	20.6	20.5	20.7	20.8	20.9	21.1
92.5°	19.9	19.9	20.0	20.0	20.0	20.0	20.0
95°	39.6	39.6	39.5	39.2	39.0	38.7	38.4
97.5°	66.6	66.6	66.6	66.6	66.5	66.5	66.5
100°	85.5	85.5	85.4	85.2	85.1	85.0	84.8
102.5°	106.1	106.2	106.2	106.1	105.9	105.8	105.6
105°	137.0	137.4	137.4	137.4	137.4	137.4	137.4
107.5°	170.1	170.2	170.0	169.4	168.7	168.1	167.5
110°	192.6	192.6	192.3	191.9	191.5	191.2	190.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	214.8	214.5	214.2	213.9	213.6	213.3	213.0
115°	249.8	249.6	249.3	248.9	248.5	248.1	247.7
117.5°	283.1	282.7	282.4	282.0	281.5	281.1	280.7
120°	305.9	305.9	305.7	305.2	304.8	304.4	304.0
122.5°	328.7	328.4	328.0	327.7	327.4	327.1	326.9
125°	362.8	362.4	362.2	362.0	361.9	361.8	361.6
127.5°	396.0	395.5	395.1	394.7	394.2	393.8	393.3
130°	419.0	418.7	418.3	417.7	417.2	416.7	416.1
132.5°	440.8	440.2	439.7	439.2	438.8	438.3	437.9
135°	473.9	473.7	473.5	473.1	472.7	472.2	471.8
137.5°	505.2	505.1	504.8	504.2	503.7	503.1	502.6
140°	526.3	526.3	526.0	525.5	525.0	524.4	523.9
142.5°	545.5	545.6	545.3	544.8	544.2	543.8	543.2
145°	574.4	574.6	574.3	573.8	573.2	572.7	572.1
147.5°	599.9	600.2	600.2	599.6	599.0	598.6	598.0
150°	616.1	616.6	616.6	616.1	615.7	615.3	614.9
152.5°	632.3	632.8	632.8	632.3	631.8	631.2	630.7
155°	652.8	653.6	653.7	653.2	652.8	652.4	652.0
157.5°	671.9	672.9	673.0	672.3	671.7	671.0	670.3
160°	683.0	683.8	684.0	683.4	682.9	682.3	681.8
162.5°	693.2	694.2	694.3	693.6	693.0	692.3	691.7
165°	706.3	707.3	707.4	706.7	706.0	705.4	704.6
167.5°	717.1	718.0	718.2	717.5	716.8	716.1	715.3
170°	723.0	724.0	724.1	723.3	722.4	721.6	720.7
172.5°	727.5	728.4	728.5	727.7	726.8	726.0	725.2
175°	732.3	733.2	733.3	732.5	731.7	730.9	730.1
177.5°	734.3	734.9	734.9	734.3	733.6	732.9	732.3
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7

(END OF REPORT)