

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: P332258-927

Luminaire Tested: **S123RDIP-S340D1025U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332258-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S340D1025U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4322.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

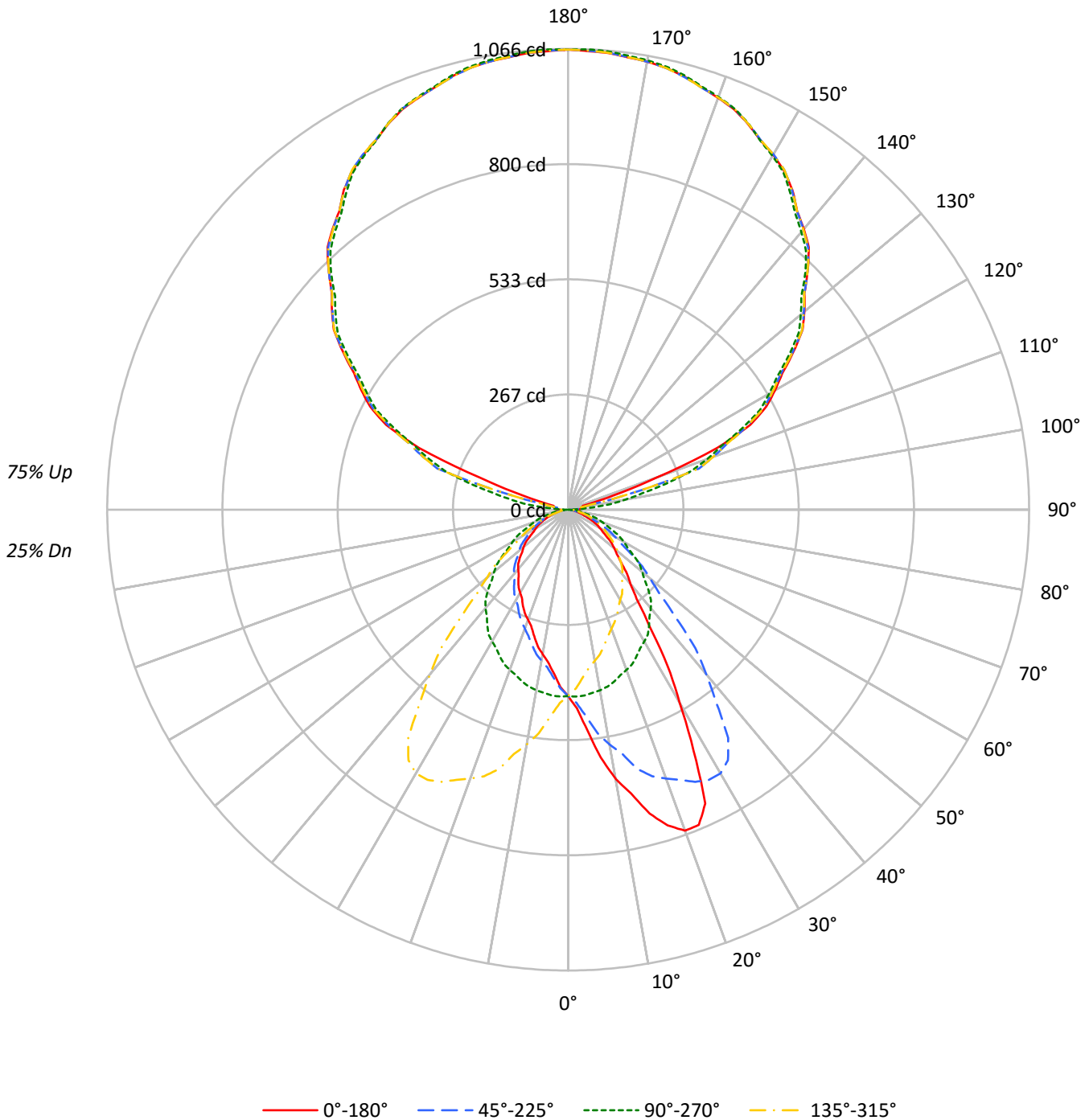
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25
1	92	88	85	81	82	79	76	73	61	59	57	45	43	42	30	29	28	22
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	26	25	24	18
3	77	68	61	56	68	61	55	51	48	44	40	35	33	31	24	22	21	16
4	71	60	53	47	63	54	48	43	42	38	35	31	29	26	21	20	18	14
5	65	54	46	41	57	48	42	37	38	33	30	28	25	23	19	17	16	12
6	60	48	41	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	25	28	24	20	21	18	16	15	13	11	9
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	33	26	21	39	30	24	20	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4640	4640	4640	4640
5°	5532	4660	4105	4660
10°	6907	4634	3707	4634
15°	8107	4586	3381	4586
20°	9049	4515	3103	4515
25°	8904	4441	2932	4441
30°	6400	4373	2757	4373
35°	4273	4282	2643	4282
40°	3147	4175	2525	4175
45°	2641	3987	2411	3987
50°	2331	3739	2251	3739
55°	2044	3457	2029	3457
60°	1819	3186	1858	3186
65°	1597	2896	1729	2896
70°	1253	2637	1580	2637
75°	1102	2304	1443	2304
80°	961	1953	1420	1953
85°	778	1581	1507	1581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.0
10°-20°	132.5	3.1
20°-30°	208.1	4.8
30°-40°	217.1	5.0
40°-50°	185.8	4.3
50°-60°	141.6	3.3
60°-70°	90.8	2.1
70°-80°	43.7	1.0
80°-90°	14.5	0.3
90°-100°	38.7	0.9
100°-110°	184.4	4.3
110°-120°	443.0	10.2
120°-130°	564.1	13.1
130°-140°	602.7	13.9
140°-150°	563.6	13.0
150°-160°	454.6	10.5
160°-170°	293.4	6.8
170°-180°	101.1	2.3
0°-30°	382.9	8.9
0°-40°	600.1	13.9
0°-60°	927.5	21.5
0°-90°	1076.4	24.9
90°-120°	666.1	15.4
90°-150°	2396.5	55.4
90°-180°	3246.0	75.1
0°-180°	4322.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	431	431	431	431	431	
5°	512	431	380	431	512	53
15°	728	412	303	412	728	206
25°	750	374	247	374	750	322
35°	325	326	201	326	325	213
45°	174	262	158	262	174	136
55°	109	184	108	184	109	98
65°	63	114	68	114	63	62
75°	26	55	35	55	26	28
85°	6	13	12	13	6	8
90°	24	1	24	1	24	11
95°	30	48	30	48	30	25
105°	35	236	35	236	35	79
115°	465	442	465	442	465	430
125°	636	623	636	623	636	568
135°	784	776	784	776	784	604
145°	904	895	904	895	904	564
155°	984	986	984	986	984	454
165°	1037	1040	1037	1040	1037	293
175°	1060	1064	1060	1064	1060	101
180°	1064	1064	1064	1064	1064	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	459.2	459.8	457.9	457.6	455.3	454.8	454.8	451.6	449.7	447.3	445.8
5°	512.0	514.9	513.4	510.2	504.6	503.3	499.8	494.2	488.0	480.2	476.6
7.5°	577.9	581.9	580.4	575.3	569.4	564.7	554.8	545.7	532.8	521.5	511.8
10°	631.9	627.7	624.4	619.4	614.0	605.4	595.0	580.8	564.4	551.4	537.1
12.5°	672.4	671.7	667.5	662.3	654.8	646.6	633.8	616.6	597.5	578.8	562.3
15°	727.5	728.6	725.9	720.6	709.8	695.2	676.0	668.8	641.5	621.2	600.9
17.5°	765.7	765.5	765.1	757.7	746.8	736.4	718.6	699.7	674.9	646.3	619.0
20°	790.0	788.1	788.5	780.1	772.1	760.0	742.7	715.2	694.9	661.9	633.6
22.5°	789.3	788.9	790.4	787.5	781.6	772.5	758.8	735.5	709.6	676.3	644.5
25°	749.7	748.2	756.9	759.3	768.7	770.4	766.3	753.6	729.0	694.7	655.4
27.5°	627.4	626.6	642.7	662.9	688.4	708.3	727.5	736.7	729.0	704.4	665.0
30°	514.9	532.3	540.4	569.6	602.1	640.8	674.8	707.0	715.0	704.3	672.0
32.5°	427.5	442.7	449.5	474.4	504.8	550.2	601.1	646.8	679.1	687.3	667.9
35°	325.2	325.3	340.9	352.0	380.0	426.7	476.2	537.4	598.3	644.5	649.3
37.5°	259.5	260.4	269.8	280.8	301.9	326.5	370.1	421.0	491.4	562.2	603.8
40°	224.0	225.7	232.7	243.6	258.7	277.4	311.3	359.3	418.0	496.9	561.3
42.5°	201.3	204.0	207.6	216.0	225.4	242.9	270.3	307.4	360.8	435.3	509.6
45°	173.5	175.0	177.8	181.6	190.1	202.2	220.7	245.7	289.9	349.9	424.3
47.5°	153.0	152.3	155.2	158.3	164.0	172.3	184.7	204.9	236.5	284.7	347.8
50°	139.2	138.9	141.0	143.4	148.8	154.9	165.0	180.3	205.4	245.3	303.1
52.5°	126.2	126.8	128.3	131.3	135.1	140.1	149.2	160.3	181.8	216.2	264.4
55°	108.9	109.5	111.5	113.1	115.9	120.9	126.6	135.9	150.6	174.6	214.3
57.5°	94.3	94.0	95.9	96.4	99.5	103.5	108.0	115.2	125.9	143.7	170.4
60°	84.5	84.0	85.6	86.9	88.6	91.9	95.6	102.6	111.1	124.2	147.1
62.5°	75.7	75.4	76.6	78.0	79.3	82.3	85.4	90.8	97.5	108.5	126.7
65°	62.7	63.3	63.8	64.4	65.1	67.0	69.9	73.7	78.3	86.0	99.1
67.5°	49.4	49.9	50.1	51.2	52.8	53.9	55.8	59.0	62.3	68.8	76.2
70°	39.8	39.7	39.8	40.4	42.5	44.4	46.9	49.3	51.3	55.9	62.2
72.5°	34.2	33.9	34.4	34.5	35.5	36.0	37.5	39.8	42.5	45.6	50.1
75°	26.5	26.5	26.5	26.5	27.3	27.6	28.2	28.8	29.7	31.2	34.5
77.5°	19.6	19.6	20.0	20.1	20.3	20.5	20.8	21.4	21.7	22.5	23.9
80°	15.5	15.7	15.5	15.7	15.7	16.1	16.2	16.8	17.0	17.9	18.5
82.5°	11.6	11.6	11.6	11.9	11.9	12.2	12.3	12.7	12.7	13.2	13.7
85°	6.3	5.9	6.3	6.1	6.5	6.1	6.3	6.7	6.7	6.8	7.6
87.5°	6.3	6.4	6.1	6.2	6.1	6.1	6.0	5.9	6.0	5.7	5.4
90°	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4	19.6	19.0	16.7
92.5°	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5	21.4	20.3	18.5
95°	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9	25.7	24.5	22.6
97.5°	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3	26.9	25.4	38.1
100°	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9	27.5	26.1	53.5
102.5°	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3	47.7	52.0	82.0
105°	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0	142.0	173.2	189.0
107.5°	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8	294.6	317.4	314.9
110°	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0	350.8	356.6	354.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6	396.6	396.5	394.5
115°	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4	455.7	453.8	452.3
117.5°	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4	511.0	509.5	508.7
120°	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4	547.0	545.6	545.1
122.5°	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6	582.7	581.6	581.0
125°	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3	633.0	632.6	631.8
127.5°	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0	682.5	681.9	681.0
130°	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0	712.3	711.6	710.9
132.5°	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5	740.8	740.1	739.6
135°	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7	784.1	783.6	782.9
137.5°	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1	822.2	821.4	821.0
140°	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5	846.8	846.1	845.6
142.5°	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6	870.1	869.5	868.9
145°	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9	902.5	902.2	901.8
147.5°	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8	931.5	931.1	930.8
150°	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6	949.2	948.9	948.5
152.5°	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3	964.6	964.0	963.8
155°	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0	986.1	985.2	985.1
157.5°	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8	1004.8	1003.7	1003.9
160°	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6	1015.6	1014.5	1014.6
162.5°	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4	1025.2	1024.0	1024.1
165°	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4	1038.0	1036.6	1036.8
167.5°	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7	1046.7
170°	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4	1052.4
172.5°	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1	1057.6	1056.2	1056.1
175°	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6	1062.4	1061.1	1061.0
177.5°	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2	1064.1	1063.0	1062.9
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	445.1	444.7	442.7	440.3	437.2	435.1	433.5	432.6	429.9	426.7	424.5
5°	472.7	467.1	461.2	454.0	447.3	440.5	436.3	431.3	425.2	418.4	413.6
7.5°	502.1	491.2	479.6	467.5	455.6	444.9	435.4	427.3	417.6	407.8	401.0
10°	524.7	508.8	492.4	475.6	460.3	445.9	434.8	424.0	412.3	401.1	392.5
12.5°	545.3	524.3	505.4	484.7	465.2	448.0	432.1	419.2	405.2	393.2	383.6
15°	571.2	549.8	527.0	495.5	469.5	447.7	428.3	411.5	394.6	379.9	370.4
17.5°	595.5	563.3	532.5	506.4	472.5	445.4	421.7	401.6	382.9	367.3	355.7
20°	605.5	574.3	541.0	507.6	474.4	443.9	416.4	394.2	374.9	357.1	346.4
22.5°	611.6	576.3	541.1	505.2	469.9	438.2	411.1	386.7	365.7	348.9	335.6
25°	618.6	576.6	537.8	502.4	466.4	432.1	399.7	373.9	351.3	333.4	319.3
27.5°	623.3	573.8	528.0	488.6	452.1	418.0	388.3	360.9	337.9	318.9	303.9
30°	624.2	571.6	520.5	477.8	440.8	409.3	378.0	351.8	327.4	307.3	293.3
32.5°	625.3	566.1	510.2	465.0	427.0	395.9	367.5	342.5	317.5	297.7	283.4
35°	620.5	563.1	494.8	442.8	404.7	374.6	349.0	325.9	301.4	282.2	267.6
37.5°	599.5	551.1	478.8	417.7	378.0	350.1	329.2	309.1	286.6	265.9	252.2
40°	578.5	539.3	466.4	402.5	361.0	332.4	313.5	297.1	275.4	256.0	241.2
42.5°	547.0	523.2	454.6	386.6	341.8	314.3	298.3	283.0	263.9	244.2	230.3
45°	489.3	492.4	430.4	361.2	315.2	287.6	272.6	261.9	244.9	228.7	214.4
47.5°	416.9	446.2	402.0	334.1	287.2	261.3	248.2	238.8	227.4	211.4	198.4
50°	369.7	411.5	379.3	316.0	269.7	243.8	230.9	223.3	213.3	200.8	188.5
52.5°	326.1	371.1	351.8	295.7	250.6	227.0	214.4	208.1	200.2	188.4	177.2
55°	265.9	311.6	307.1	265.2	222.0	200.8	191.2	184.2	178.9	170.0	161.1
57.5°	215.2	258.3	260.6	231.2	196.9	175.9	167.6	162.3	158.8	152.2	143.9
60°	183.1	222.8	230.5	208.3	178.9	160.4	152.3	148.0	145.3	139.9	133.6
62.5°	156.5	190.3	199.1	183.2	161.6	144.3	137.9	133.9	132.0	127.4	121.8
65°	119.8	147.8	156.3	147.5	136.2	122.4	117.2	113.7	112.0	109.5	105.4
67.5°	90.1	110.5	119.9	113.6	109.5	100.8	97.5	95.6	94.1	92.4	89.0
70°	72.3	87.5	97.0	95.5	92.1	87.5	85.1	83.8	82.3	80.8	77.9
72.5°	58.1	68.6	77.6	78.4	75.7	74.8	72.6	72.1	71.2	69.5	67.8
75°	38.6	45.8	52.0	54.4	55.5	56.5	55.5	55.4	55.2	53.7	52.8
77.5°	25.3	29.2	33.1	37.2	39.0	40.2	40.5	41.2	40.6	39.9	39.5
80°	19.4	20.3	23.1	26.5	29.3	30.4	31.2	31.5	31.4	31.2	30.4
82.5°	14.1	14.8	16.2	18.6	20.9	22.7	23.2	23.1	23.5	23.7	23.1
85°	7.6	7.8	8.2	8.5	9.7	11.8	12.4	12.8	13.1	13.1	12.0
87.5°	5.2	4.7	4.5	4.0	4.2	4.0	4.5	4.9	5.4	5.1	5.5
90°	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8	2.5	4.3	6.1
92.5°	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7	14.2	13.7	13.2
95°	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2	41.0	33.8	26.6
97.5°	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0	93.7	90.5	87.2
100°	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6	137.1	140.7	144.2
102.5°	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4	177.9	180.5	183.0
105°	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6	237.6	239.5	241.5
107.5°	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2	300.8	302.3	303.9
110°	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6	343.0	344.4	345.8



TEST NUMBER: P332258-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1	383.3	384.6	385.9
115°	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0	443.1	444.1	445.2
117.5°	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0	501.4	502.6	504.0
120°	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1	537.7	539.2	540.8
122.5°	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8	574.1	575.4	576.7
125°	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1	624.5	625.9	627.3
127.5°	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8	673.2	674.6	676.0
130°	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2	703.5	705.0	706.4
132.5°	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3	732.7	734.0	735.5
135°	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7	776.7	777.8	778.9
137.5°	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7	815.0	816.3	817.7
140°	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9	840.0	841.1	842.1
142.5°	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4	863.4	864.4	865.5
145°	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1	896.4	897.5	898.8
147.5°	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9	926.8	927.6	928.4
150°	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9	945.5	945.9	946.5
152.5°	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9	962.3	962.5	962.7
155°	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0	985.6	985.3	985.0
157.5°	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1	1015.9	1015.7	1015.6
162.5°	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8	1026.4	1025.9	1025.5
165°	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8	1039.3	1038.7	1038.2
167.5°	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9	1049.2	1048.5	1047.8
170°	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6	1054.9	1054.2	1053.5
172.5°	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4	1058.6	1057.7	1056.9
175°	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3	1063.4	1062.6	1061.7
177.5°	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6	1064.9	1064.1	1063.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	423.7	421.8	420.5	417.6	415.7	413.6	411.5	412.8	412.6	412.6	412.6
5°	409.6	405.3	401.4	396.4	393.3	389.4	386.5	386.1	386.8	384.3	382.8
7.5°	395.5	389.7	384.1	378.7	372.8	368.1	365.3	363.8	362.0	360.4	358.8
10°	385.6	378.7	373.4	366.5	360.3	354.7	351.3	348.8	347.5	346.3	343.8
12.5°	375.3	368.7	361.9	354.1	348.2	341.7	339.1	336.4	334.0	332.5	329.2
15°	360.4	351.8	344.6	336.4	329.8	323.5	319.9	314.5	313.8	311.9	308.6
17.5°	345.5	336.1	326.1	320.1	312.7	306.1	300.5	298.7	293.4	291.4	288.5
20°	333.7	325.0	317.4	309.5	298.7	292.6	288.1	285.7	281.5	278.8	277.0
22.5°	323.5	314.7	305.9	296.7	287.7	280.8	277.6	273.9	271.6	267.9	265.9
25°	309.0	299.4	288.8	278.8	272.4	267.3	262.1	258.7	255.4	253.7	250.1
27.5°	292.1	282.0	272.2	264.6	256.7	251.6	246.9	244.0	240.0	237.2	235.1
30°	282.7	270.9	262.4	255.6	245.5	240.7	237.2	233.5	230.5	227.6	225.5
32.5°	272.0	261.2	253.2	244.7	236.9	231.6	227.1	223.9	221.3	218.6	216.5
35°	255.1	246.1	237.7	229.3	223.5	218.2	212.8	210.0	207.6	205.0	203.2
37.5°	239.8	231.3	223.4	215.4	208.3	203.9	199.6	197.5	194.2	192.5	190.7
40°	230.4	222.0	213.6	205.8	198.4	195.1	191.2	188.1	185.1	183.8	181.8
42.5°	220.0	211.7	204.5	196.2	190.1	185.6	182.0	178.6	176.4	174.5	173.4
45°	204.7	197.3	190.3	182.0	176.3	172.4	168.3	165.2	163.2	161.8	159.9
47.5°	189.8	182.4	175.3	168.1	162.6	158.1	154.0	151.9	149.2	147.6	146.2
50°	179.0	172.4	164.9	158.2	152.7	148.2	144.9	142.1	139.7	137.7	136.7
52.5°	169.1	162.1	155.5	149.3	143.5	138.5	135.5	132.5	130.7	128.4	127.3
55°	152.8	146.0	140.5	134.4	128.7	124.4	120.7	118.1	116.3	113.7	112.3
57.5°	137.5	131.3	124.8	119.5	113.6	110.0	106.9	103.5	101.2	99.2	97.7
60°	127.1	120.2	114.4	109.5	104.3	99.7	96.9	94.1	91.7	89.7	88.4
62.5°	116.4	110.3	104.8	99.4	94.7	90.6	87.5	85.2	83.0	81.8	80.4
65°	99.8	95.1	89.5	85.1	80.6	77.7	75.1	73.1	71.6	70.7	69.6
67.5°	84.6	80.0	75.2	70.8	67.8	65.6	63.9	62.2	61.4	60.2	59.5
70°	74.8	69.9	65.7	62.3	59.4	57.8	56.6	55.4	54.7	53.2	52.4
72.5°	64.0	60.5	57.4	54.7	52.4	50.9	49.4	47.8	46.7	45.0	44.3
75°	50.4	47.2	44.8	43.0	41.5	39.5	37.5	35.8	35.3	34.7	34.5
77.5°	37.3	35.3	33.6	32.0	30.2	28.8	28.3	27.9	27.8	27.5	27.5
80°	29.3	27.5	26.2	24.4	23.3	23.3	23.3	22.9	23.1	23.1	23.1
82.5°	21.8	20.1	19.4	18.8	18.5	18.7	18.7	18.8	18.6	18.9	18.8
85°	11.2	11.4	11.8	11.6	11.8	11.8	12.2	12.0	12.2	11.8	12.2
87.5°	5.7	6.6	7.1	7.8	8.4	8.6	9.0	9.1	9.3	9.5	9.7
90°	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4	21.1	21.8	22.3
92.5°	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5	23.6	24.7	25.4
95°	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9	28.2	29.5	30.0
97.5°	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3	29.7	31.1	31.8
100°	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9	30.3	31.7	32.5
102.5°	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3	39.0	34.6	32.6
105°	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0	79.9	48.8	33.4
107.5°	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8	249.0	226.2	203.0
110°	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0	339.2	333.4	318.0



TEST NUMBER: P332258-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6	396.8	396.9	394.3
115°	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4	459.1	460.9	462.2
117.5°	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4	513.7	515.2	515.9
120°	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4	549.8	551.2	551.9
122.5°	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6	584.6	585.6	586.1
125°	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3	633.6	634.0	634.3
127.5°	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0	683.6	684.1	684.3
130°	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0	713.8	714.5	714.6
132.5°	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5	742.2	742.9	743.0
135°	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7	785.2	785.7	785.7
137.5°	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1	823.9	824.7	825.0
140°	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5	848.2	848.9	849.1
142.5°	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6	871.2	871.7	871.7
145°	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9	903.2	903.6	903.8
147.5°	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8	932.2	932.6	932.3
150°	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6	949.9	950.3	950.1
152.5°	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3	965.9	966.5	966.5
155°	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0	987.9	988.7	988.6
157.5°	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8	1006.9	1008.0	1007.8
160°	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6	1017.6	1018.7	1018.6
162.5°	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4	1027.5	1028.7	1028.8
165°	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4	1040.8	1042.3	1042.4
167.5°	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3
170°	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0
172.5°	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1	1060.4	1061.8	1061.8
175°	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6	1064.9	1066.0	1066.0
177.5°	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2	1066.4	1067.5	1067.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332258-927

CATALOG NUMBER: S123RDIP-S340D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	410.7	410.6	410.7	410.2	410.7	410.6	410.7	412.6	412.6	412.6	412.8
5°	382.2	382.1	381.5	379.9	381.5	382.1	382.2	382.8	384.3	386.8	386.1
7.5°	357.3	357.0	355.5	355.5	355.5	357.0	357.3	358.8	360.4	362.0	363.8
10°	342.5	342.7	340.5	339.2	340.5	342.7	342.5	343.8	346.3	347.5	348.8
12.5°	328.2	327.4	325.6	324.2	325.6	327.4	328.2	329.2	332.5	334.0	336.4
15°	309.3	307.4	303.1	303.4	303.1	307.4	309.3	308.6	311.9	313.8	314.5
17.5°	287.1	285.7	285.7	283.0	285.7	285.7	287.1	288.5	291.4	293.4	298.7
20°	274.1	273.1	273.5	270.9	273.5	273.1	274.1	277.0	278.8	281.5	285.7
22.5°	263.9	262.9	261.4	260.6	261.4	262.9	263.9	265.9	267.9	271.6	273.9
25°	249.0	247.5	246.1	246.9	246.1	247.5	249.0	250.1	253.7	255.4	258.7
27.5°	234.1	233.0	231.5	231.3	231.5	233.0	234.1	235.1	237.2	240.0	244.0
30°	224.6	223.5	222.8	221.8	222.8	223.5	224.6	225.5	227.6	230.5	233.5
32.5°	215.0	214.8	213.5	213.3	213.5	214.8	215.0	216.5	218.6	221.3	223.9
35°	202.5	201.4	201.0	201.1	201.0	201.4	202.5	203.2	205.0	207.6	210.0
37.5°	190.5	189.1	188.4	187.7	188.4	189.1	190.5	190.7	192.5	194.2	197.5
40°	182.0	180.5	180.1	179.7	180.1	180.5	182.0	181.8	183.8	185.1	188.1
42.5°	172.4	171.8	171.6	170.9	171.6	171.8	172.4	173.4	174.5	176.4	178.6
45°	159.3	159.1	158.0	158.4	158.0	159.1	159.3	159.9	161.8	163.2	165.2
47.5°	145.4	144.7	143.9	144.4	143.9	144.7	145.4	146.2	147.6	149.2	151.9
50°	136.0	135.6	134.0	134.4	134.0	135.6	136.0	136.7	137.7	139.7	142.1
52.5°	126.6	125.2	124.5	124.3	124.5	125.2	126.6	127.3	128.4	130.7	132.5
55°	110.9	109.2	108.5	108.1	108.5	109.2	110.9	112.3	113.7	116.3	118.1
57.5°	95.5	95.1	94.5	94.9	94.5	95.1	95.5	97.7	99.2	101.2	103.5
60°	86.6	86.6	86.6	86.3	86.6	86.6	86.6	88.4	89.7	91.7	94.1
62.5°	79.6	79.1	79.1	79.3	79.1	79.1	79.6	80.4	81.8	83.0	85.2
65°	69.0	68.8	68.1	67.9	68.1	68.8	69.0	69.6	70.7	71.6	73.1
67.5°	59.0	58.4	58.1	57.9	58.1	58.4	59.0	59.5	60.2	61.4	62.2
70°	51.5	51.1	50.0	50.2	50.0	51.1	51.5	52.4	53.2	54.7	55.4
72.5°	43.4	43.0	42.8	42.5	42.8	43.0	43.4	44.3	45.0	46.7	47.8
75°	34.3	34.1	34.0	34.7	34.0	34.1	34.3	34.5	34.7	35.3	35.8
77.5°	27.5	27.5	27.6	27.3	27.6	27.5	27.5	27.5	27.5	27.8	27.9
80°	23.1	23.1	22.9	22.9	22.9	23.1	23.1	23.1	23.1	23.1	22.9
82.5°	18.5	18.6	18.8	18.5	18.8	18.6	18.5	18.8	18.9	18.6	18.8
85°	12.2	12.0	12.4	12.2	12.4	12.0	12.2	12.2	11.8	12.2	12.0
87.5°	10.0	9.7	9.8	10.1	9.8	9.7	10.0	9.7	9.5	9.3	9.1
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4
92.5°	25.6	25.8	26.1	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5
95°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3
100°	32.7	32.9	33.0	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9
102.5°	32.9	33.2	33.5	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3
105°	33.7	34.1	34.5	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0
107.5°	179.6	156.1	132.7	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8
110°	292.8	267.7	242.6	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0



TEST NUMBER: P332258-927

CATALOG NUMBER: S123RDIP-S340D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	389.0	383.7	378.3	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6
115°	462.8	463.5	464.2	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4
117.5°	516.1	516.2	516.3	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4
120°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4
122.5°	586.3	586.5	586.5	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6
125°	634.7	635.0	635.4	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3
127.5°	683.9	683.6	683.2	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0
130°	714.3	713.9	713.6	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0
132.5°	742.5	742.0	741.6	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5
135°	785.2	784.7	784.1	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7
137.5°	824.7	824.3	823.9	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1
140°	848.7	848.3	848.0	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5
142.5°	871.2	870.8	870.3	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6
145°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9
147.5°	931.5	930.7	929.9	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8
150°	949.7	949.1	948.6	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6
152.5°	965.7	964.9	964.1	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3
155°	987.6	986.6	985.5	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0
157.5°	1006.4	1005.0	1003.7	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8
160°	1017.4	1016.1	1014.9	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6
162.5°	1027.7	1026.6	1025.6	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4
165°	1041.1	1039.9	1038.6	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4
167.5°	1051.0	1049.6	1048.1	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6
170°	1056.7	1055.3	1053.8	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3
172.5°	1060.3	1058.7	1057.2	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1
175°	1064.5	1063.2	1061.8	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6
177.5°	1066.0	1064.6	1063.2	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332258-927

CATALOG NUMBER: S123RDIP-S340D1025U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	411.5	413.6	415.7	417.6	420.5	421.8	423.7	424.5	426.7	429.9	432.6
5°	386.5	389.4	393.3	396.4	401.4	405.3	409.6	413.6	418.4	425.2	431.3
7.5°	365.3	368.1	372.8	378.7	384.1	389.7	395.5	401.0	407.8	417.6	427.3
10°	351.3	354.7	360.3	366.5	373.4	378.7	385.6	392.5	401.1	412.3	424.0
12.5°	339.1	341.7	348.2	354.1	361.9	368.7	375.3	383.6	393.2	405.2	419.2
15°	319.9	323.5	329.8	336.4	344.6	351.8	360.4	370.4	379.9	394.6	411.5
17.5°	300.5	306.1	312.7	320.1	326.1	336.1	345.5	355.7	367.3	382.9	401.6
20°	288.1	292.6	298.7	309.5	317.4	325.0	333.7	346.4	357.1	374.9	394.2
22.5°	277.6	280.8	287.7	296.7	305.9	314.7	323.5	335.6	348.9	365.7	386.7
25°	262.1	267.3	272.4	278.8	288.8	299.4	309.0	319.3	333.4	351.3	373.9
27.5°	246.9	251.6	256.7	264.6	272.2	282.0	292.1	303.9	318.9	337.9	360.9
30°	237.2	240.7	245.5	255.6	262.4	270.9	282.7	293.3	307.3	327.4	351.8
32.5°	227.1	231.6	236.9	244.7	253.2	261.2	272.0	283.4	297.7	317.5	342.5
35°	212.8	218.2	223.5	229.3	237.7	246.1	255.1	267.6	282.2	301.4	325.9
37.5°	199.6	203.9	208.3	215.4	223.4	231.3	239.8	252.2	265.9	286.6	309.1
40°	191.2	195.1	198.4	205.8	213.6	222.0	230.4	241.2	256.0	275.4	297.1
42.5°	182.0	185.6	190.1	196.2	204.5	211.7	220.0	230.3	244.2	263.9	283.0
45°	168.3	172.4	176.3	182.0	190.3	197.3	204.7	214.4	228.7	244.9	261.9
47.5°	154.0	158.1	162.6	168.1	175.3	182.4	189.8	198.4	211.4	227.4	238.8
50°	144.9	148.2	152.7	158.2	164.9	172.4	179.0	188.5	200.8	213.3	223.3
52.5°	135.5	138.5	143.5	149.3	155.5	162.1	169.1	177.2	188.4	200.2	208.1
55°	120.7	124.4	128.7	134.4	140.5	146.0	152.8	161.1	170.0	178.9	184.2
57.5°	106.9	110.0	113.6	119.5	124.8	131.3	137.5	143.9	152.2	158.8	162.3
60°	96.9	99.7	104.3	109.5	114.4	120.2	127.1	133.6	139.9	145.3	148.0
62.5°	87.5	90.6	94.7	99.4	104.8	110.3	116.4	121.8	127.4	132.0	133.9
65°	75.1	77.7	80.6	85.1	89.5	95.1	99.8	105.4	109.5	112.0	113.7
67.5°	63.9	65.6	67.8	70.8	75.2	80.0	84.6	89.0	92.4	94.1	95.6
70°	56.6	57.8	59.4	62.3	65.7	69.9	74.8	77.9	80.8	82.3	83.8
72.5°	49.4	50.9	52.4	54.7	57.4	60.5	64.0	67.8	69.5	71.2	72.1
75°	37.5	39.5	41.5	43.0	44.8	47.2	50.4	52.8	53.7	55.2	55.4
77.5°	28.3	28.8	30.2	32.0	33.6	35.3	37.3	39.5	39.9	40.6	41.2
80°	23.3	23.3	23.3	24.4	26.2	27.5	29.3	30.4	31.2	31.4	31.5
82.5°	18.7	18.7	18.5	18.8	19.4	20.1	21.8	23.1	23.7	23.5	23.1
85°	12.2	11.8	11.8	11.6	11.8	11.4	11.2	12.0	13.1	13.1	12.8
87.5°	9.0	8.6	8.4	7.8	7.1	6.6	5.7	5.5	5.1	5.4	4.9
90°	19.6	19.0	16.7	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8
92.5°	21.4	20.3	18.5	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7
95°	25.7	24.5	22.6	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2
97.5°	26.9	25.4	38.1	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0
100°	27.5	26.1	53.5	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6
102.5°	47.7	52.0	82.0	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4
105°	142.0	173.2	189.0	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6
107.5°	294.6	317.4	314.9	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2
110°	350.8	356.6	354.7	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6



TEST NUMBER: P332258-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	396.6	396.5	394.5	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1
115°	455.7	453.8	452.3	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0
117.5°	511.0	509.5	508.7	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0
120°	547.0	545.6	545.1	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1
122.5°	582.7	581.6	581.0	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8
125°	633.0	632.6	631.8	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1
127.5°	682.5	681.9	681.0	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8
130°	712.3	711.6	710.9	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2
132.5°	740.8	740.1	739.6	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3
135°	784.1	783.6	782.9	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7
137.5°	822.2	821.4	821.0	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7
140°	846.8	846.1	845.6	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9
142.5°	870.1	869.5	868.9	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4
145°	902.5	902.2	901.8	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1
147.5°	931.5	931.1	930.8	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9
150°	949.2	948.9	948.5	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9
152.5°	964.6	964.0	963.8	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9
155°	986.1	985.2	985.1	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0
157.5°	1004.8	1003.7	1003.9	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1015.6	1014.5	1014.6	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1
162.5°	1025.2	1024.0	1024.1	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8
165°	1038.0	1036.6	1036.8	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8
167.5°	1048.1	1046.7	1046.7	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9
170°	1053.8	1052.4	1052.4	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6
172.5°	1057.6	1056.2	1056.1	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4
175°	1062.4	1061.1	1061.0	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3
177.5°	1064.1	1063.0	1062.9	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P332258-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	433.5	435.1	437.2	440.3	442.7	444.7	445.1	445.8	447.3	449.7	451.6
5°	436.3	440.5	447.3	454.0	461.2	467.1	472.7	476.6	480.2	488.0	494.2
7.5°	435.4	444.9	455.6	467.5	479.6	491.2	502.1	511.8	521.5	532.8	545.7
10°	434.8	445.9	460.3	475.6	492.4	508.8	524.7	537.1	551.4	564.4	580.8
12.5°	432.1	448.0	465.2	484.7	505.4	524.3	545.3	562.3	578.8	597.5	616.6
15°	428.3	447.7	469.5	495.5	527.0	549.8	571.2	600.9	621.2	641.5	668.8
17.5°	421.7	445.4	472.5	506.4	532.5	563.3	595.5	619.0	646.3	674.9	699.7
20°	416.4	443.9	474.4	507.6	541.0	574.3	605.5	633.6	661.9	694.9	715.2
22.5°	411.1	438.2	469.9	505.2	541.1	576.3	611.6	644.5	676.3	709.6	735.5
25°	399.7	432.1	466.4	502.4	537.8	576.6	618.6	655.4	694.7	729.0	753.6
27.5°	388.3	418.0	452.1	488.6	528.0	573.8	623.3	665.0	704.4	729.0	736.7
30°	378.0	409.3	440.8	477.8	520.5	571.6	624.2	672.0	704.3	715.0	707.0
32.5°	367.5	395.9	427.0	465.0	510.2	566.1	625.3	667.9	687.3	679.1	646.8
35°	349.0	374.6	404.7	442.8	494.8	563.1	620.5	649.3	644.5	598.3	537.4
37.5°	329.2	350.1	378.0	417.7	478.8	551.1	599.5	603.8	562.2	491.4	421.0
40°	313.5	332.4	361.0	402.5	466.4	539.3	578.5	561.3	496.9	418.0	359.3
42.5°	298.3	314.3	341.8	386.6	454.6	523.2	547.0	509.6	435.3	360.8	307.4
45°	272.6	287.6	315.2	361.2	430.4	492.4	489.3	424.3	349.9	289.9	245.7
47.5°	248.2	261.3	287.2	334.1	402.0	446.2	416.9	347.8	284.7	236.5	204.9
50°	230.9	243.8	269.7	316.0	379.3	411.5	369.7	303.1	245.3	205.4	180.3
52.5°	214.4	227.0	250.6	295.7	351.8	371.1	326.1	264.4	216.2	181.8	160.3
55°	191.2	200.8	222.0	265.2	307.1	311.6	265.9	214.3	174.6	150.6	135.9
57.5°	167.6	175.9	196.9	231.2	260.6	258.3	215.2	170.4	143.7	125.9	115.2
60°	152.3	160.4	178.9	208.3	230.5	222.8	183.1	147.1	124.2	111.1	102.6
62.5°	137.9	144.3	161.6	183.2	199.1	190.3	156.5	126.7	108.5	97.5	90.8
65°	117.2	122.4	136.2	147.5	156.3	147.8	119.8	99.1	86.0	78.3	73.7
67.5°	97.5	100.8	109.5	113.6	119.9	110.5	90.1	76.2	68.8	62.3	59.0
70°	85.1	87.5	92.1	95.5	97.0	87.5	72.3	62.2	55.9	51.3	49.3
72.5°	72.6	74.8	75.7	78.4	77.6	68.6	58.1	50.1	45.6	42.5	39.8
75°	55.5	56.5	55.5	54.4	52.0	45.8	38.6	34.5	31.2	29.7	28.8
77.5°	40.5	40.2	39.0	37.2	33.1	29.2	25.3	23.9	22.5	21.7	21.4
80°	31.2	30.4	29.3	26.5	23.1	20.3	19.4	18.5	17.9	17.0	16.8
82.5°	23.2	22.7	20.9	18.6	16.2	14.8	14.1	13.7	13.2	12.7	12.7
85°	12.4	11.8	9.7	8.5	8.2	7.8	7.6	7.6	6.8	6.7	6.7
87.5°	4.5	4.0	4.2	4.0	4.5	4.7	5.2	5.4	5.7	6.0	5.9
90°	2.5	4.3	6.1	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4
92.5°	14.2	13.7	13.2	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5
95°	41.0	33.8	26.6	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9
97.5°	93.7	90.5	87.2	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3
100°	137.1	140.7	144.2	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9
102.5°	177.9	180.5	183.0	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3
105°	237.6	239.5	241.5	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0
107.5°	300.8	302.3	303.9	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8
110°	343.0	344.4	345.8	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.3	384.6	385.9	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6
115°	443.1	444.1	445.2	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4
117.5°	501.4	502.6	504.0	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4
120°	537.7	539.2	540.8	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4
122.5°	574.1	575.4	576.7	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6
125°	624.5	625.9	627.3	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3
127.5°	673.2	674.6	676.0	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0
130°	703.5	705.0	706.4	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0
132.5°	732.7	734.0	735.5	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5
135°	776.7	777.8	778.9	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7
137.5°	815.0	816.3	817.7	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1
140°	840.0	841.1	842.1	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5
142.5°	863.4	864.4	865.5	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6
145°	896.4	897.5	898.8	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9
147.5°	926.8	927.6	928.4	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8
150°	945.5	945.9	946.5	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6
152.5°	962.3	962.5	962.7	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3
155°	985.6	985.3	985.0	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0
157.5°	1004.6	1004.6	1004.6	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8
160°	1015.9	1015.7	1015.6	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6
162.5°	1026.4	1025.9	1025.5	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4
165°	1039.3	1038.7	1038.2	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4
167.5°	1049.2	1048.5	1047.8	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6
170°	1054.9	1054.2	1053.5	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3
172.5°	1058.6	1057.7	1056.9	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1
175°	1063.4	1062.6	1061.7	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6
177.5°	1064.9	1064.1	1063.4	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	431.1	431.1	431.1	431.1	431.1	431.1	431.1
2.5°	454.8	454.8	455.3	457.6	457.9	459.8	459.2
5°	499.8	503.3	504.6	510.2	513.4	514.9	512.0
7.5°	554.8	564.7	569.4	575.3	580.4	581.9	577.9
10°	595.0	605.4	614.0	619.4	624.4	627.7	631.9
12.5°	633.8	646.6	654.8	662.3	667.5	671.7	672.4
15°	676.0	695.2	709.8	720.6	725.9	728.6	727.5
17.5°	718.6	736.4	746.8	757.7	765.1	765.5	765.7
20°	742.7	760.0	772.1	780.1	788.5	788.1	790.0
22.5°	758.8	772.5	781.6	787.5	790.4	788.9	789.3
25°	766.3	770.4	768.7	759.3	756.9	748.2	749.7
27.5°	727.5	708.3	688.4	662.9	642.7	626.6	627.4
30°	674.8	640.8	602.1	569.6	540.4	532.3	514.9
32.5°	601.1	550.2	504.8	474.4	449.5	442.7	427.5
35°	476.2	426.7	380.0	352.0	340.9	325.3	325.2
37.5°	370.1	326.5	301.9	280.8	269.8	260.4	259.5
40°	311.3	277.4	258.7	243.6	232.7	225.7	224.0
42.5°	270.3	242.9	225.4	216.0	207.6	204.0	201.3
45°	220.7	202.2	190.1	181.6	177.8	175.0	173.5
47.5°	184.7	172.3	164.0	158.3	155.2	152.3	153.0
50°	165.0	154.9	148.8	143.4	141.0	138.9	139.2
52.5°	149.2	140.1	135.1	131.3	128.3	126.8	126.2
55°	126.6	120.9	115.9	113.1	111.5	109.5	108.9
57.5°	108.0	103.5	99.5	96.4	95.9	94.0	94.3
60°	95.6	91.9	88.6	86.9	85.6	84.0	84.5
62.5°	85.4	82.3	79.3	78.0	76.6	75.4	75.7
65°	69.9	67.0	65.1	64.4	63.8	63.3	62.7
67.5°	55.8	53.9	52.8	51.2	50.1	49.9	49.4
70°	46.9	44.4	42.5	40.4	39.8	39.7	39.8
72.5°	37.5	36.0	35.5	34.5	34.4	33.9	34.2
75°	28.2	27.6	27.3	26.5	26.5	26.5	26.5
77.5°	20.8	20.5	20.3	20.1	20.0	19.6	19.6
80°	16.2	16.1	15.7	15.7	15.5	15.7	15.5
82.5°	12.3	12.2	11.9	11.9	11.6	11.6	11.6
85°	6.3	6.1	6.5	6.1	6.3	5.9	6.3
87.5°	6.0	6.1	6.1	6.2	6.1	6.4	6.3
90°	21.1	21.8	22.3	22.7	23.1	23.4	23.7
92.5°	23.6	24.7	25.4	25.6	25.8	26.1	26.2
95°	28.2	29.5	30.0	30.0	30.0	30.0	30.0
97.5°	29.7	31.1	31.8	32.1	32.2	32.4	32.6
100°	30.3	31.7	32.5	32.7	32.9	33.0	33.2
102.5°	39.0	34.6	32.6	32.9	33.2	33.5	33.8
105°	79.9	48.8	33.4	33.7	34.1	34.5	34.8
107.5°	249.0	226.2	203.0	179.6	156.1	132.7	109.2
110°	339.2	333.4	318.0	292.8	267.7	242.6	217.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	396.8	396.9	394.3	389.0	383.7	378.3	373.0
115°	459.1	460.9	462.2	462.8	463.5	464.2	464.9
117.5°	513.7	515.2	515.9	516.1	516.2	516.3	516.5
120°	549.8	551.2	551.9	551.9	551.9	551.9	551.9
122.5°	584.6	585.6	586.1	586.3	586.5	586.5	586.7
125°	633.6	634.0	634.3	634.7	635.0	635.4	635.7
127.5°	683.6	684.1	684.3	683.9	683.6	683.2	682.9
130°	713.8	714.5	714.6	714.3	713.9	713.6	713.2
132.5°	742.2	742.9	743.0	742.5	742.0	741.6	741.1
135°	785.2	785.7	785.7	785.2	784.7	784.1	783.6
137.5°	823.9	824.7	825.0	824.7	824.3	823.9	823.6
140°	848.2	848.9	849.1	848.7	848.3	848.0	847.6
142.5°	871.2	871.7	871.7	871.2	870.8	870.3	869.8
145°	903.2	903.6	903.8	903.8	903.8	903.8	903.8
147.5°	932.2	932.6	932.3	931.5	930.7	929.9	929.1
150°	949.9	950.3	950.1	949.7	949.1	948.6	948.1
152.5°	965.9	966.5	966.5	965.7	964.9	964.1	963.2
155°	987.9	988.7	988.6	987.6	986.6	985.5	984.4
157.5°	1006.9	1008.0	1007.8	1006.4	1005.0	1003.7	1002.3
160°	1017.6	1018.7	1018.6	1017.4	1016.1	1014.9	1013.7
162.5°	1027.5	1028.7	1028.8	1027.7	1026.6	1025.6	1024.5
165°	1040.8	1042.3	1042.4	1041.1	1039.9	1038.6	1037.4
167.5°	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7
170°	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4
172.5°	1060.4	1061.8	1061.8	1060.3	1058.7	1057.2	1055.6
175°	1064.9	1066.0	1066.0	1064.5	1063.2	1061.8	1060.3
177.5°	1066.4	1067.5	1067.4	1066.0	1064.6	1063.2	1061.8
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3

(END OF REPORT)