

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: P331794-930

Luminaire Tested: **S122RDIW-S485D970U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331794-930  
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: S122RDIW-S485D970U930-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4254.5 lumens  
Efficiency: N/A  
Efficacy: 94.1 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: Semi-Indirect

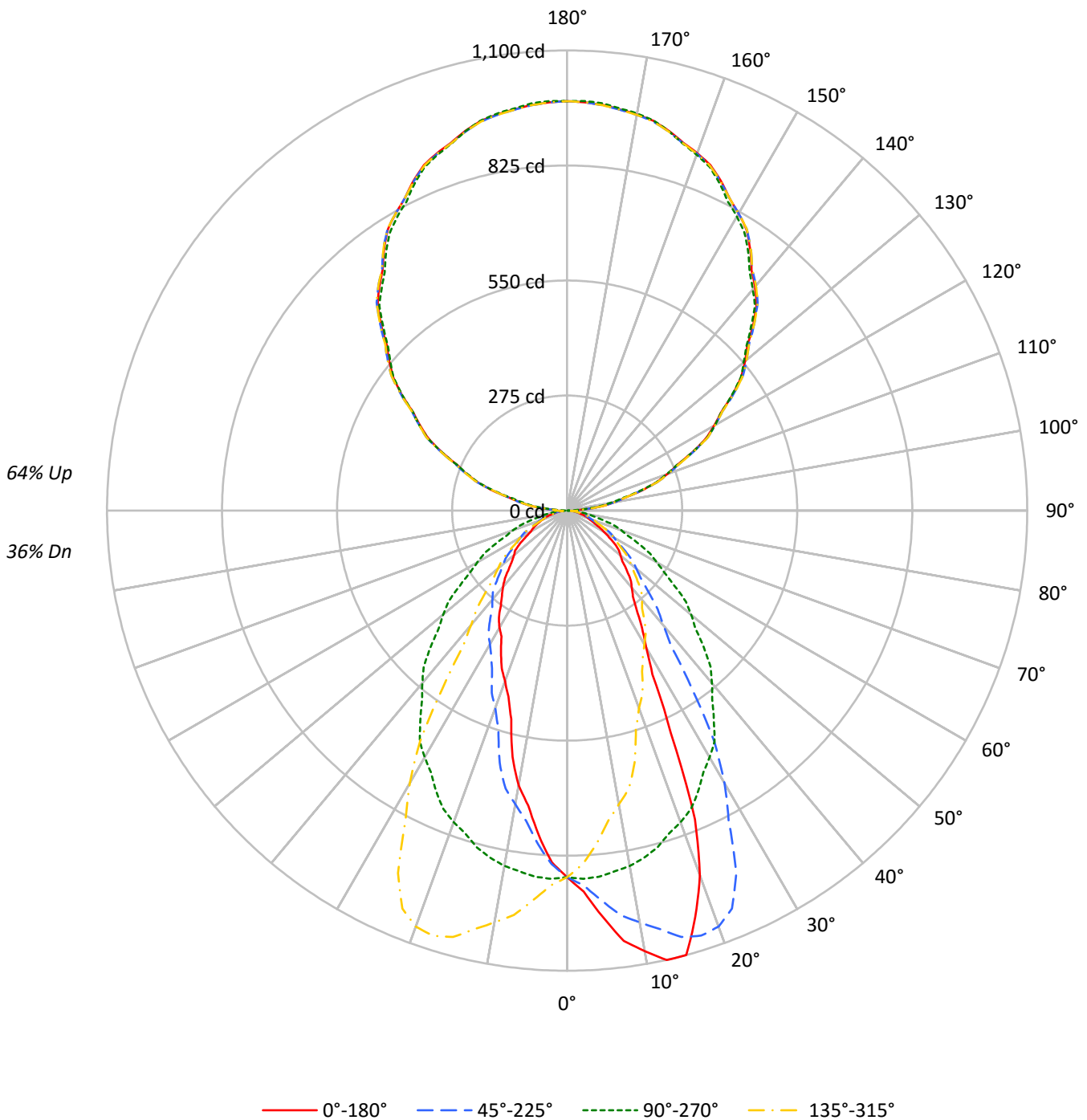
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	36
1	95	91	87	84	86	83	80	77	67	65	63	52	51	50	39	38	37	31
2	87	80	74	70	79	73	68	64	59	56	53	47	44	42	35	33	32	27
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	31	30	28	24
4	73	63	56	50	66	58	51	46	47	43	39	37	34	32	28	26	25	21
5	67	57	49	43	61	52	45	40	42	38	34	34	31	28	26	24	22	19
6	62	51	43	38	56	47	40	35	38	34	30	31	27	25	24	22	20	17
7	58	46	39	33	52	42	36	31	35	30	27	28	25	22	22	20	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	38	31	27	45	35	29	25	30	25	21	24	21	18	19	17	15	13
10	47	35	28	24	42	33	26	22	27	23	19	22	19	16	18	15	14	12

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

	0°	90°	180°	270°
0°	14149	14149	14149	14149
5°	15801	14237	12624	14237
10°	17531	14137	10942	14137
15°	18392	13929	8622	13929
20°	15945	13622	7459	13622
25°	10457	13201	6661	13201
30°	7040	12693	6027	12693
35°	5702	12051	5436	12051
40°	5069	11352	5031	11352
45°	4590	10533	4491	10533
50°	4175	9718	4160	9718
55°	3924	8819	3873	8819
60°	3284	7992	3242	7992
65°	2770	7259	3140	7259
70°	2559	6482	2960	6482
75°	2395	5639	2739	5639
80°	2204	4640	2436	4640
85°	2019	3668	2149	3668



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	2.0
10°-20°	231.5	5.4
20°-30°	298.2	7.0
30°-40°	283.4	6.7
40°-50°	242.8	5.7
50°-60°	184.9	4.3
60°-70°	116.9	2.7
70°-80°	58.4	1.4
80°-90°	19.1	0.4
90°-100°	62.0	1.5
100°-110°	192.6	4.5
110°-120°	329.2	7.7
120°-130°	432.9	10.2
130°-140°	485.9	11.4
140°-150°	476.4	11.2
150°-160°	399.6	9.4
160°-170°	265.0	6.2
170°-180°	92.6	2.2
0°-30°	612.8	14.4
0°-40°	896.2	21.1
0°-60°	1323.9	31.1
0°-90°	1518.3	35.7
90°-120°	583.8	13.7
90°-150°	1979.0	46.5
90°-180°	2736.0	64.3
0°-180°	4254.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	876	876	876	876	876	
5°	975	878	779	878	975	96
15°	1100	833	516	833	1100	297
25°	587	741	374	741	587	279
35°	289	611	276	611	289	185
45°	201	461	197	461	201	156
55°	139	313	138	313	139	122
65°	72	190	82	190	72	74
75°	38	90	44	90	38	41
85°	11	20	12	20	11	12
90°	28	1	28	1	28	13
95°	51	43	51	43	51	57
105°	183	178	183	178	183	193
115°	330	330	330	330	330	326
125°	482	481	482	481	482	430
135°	629	622	629	622	629	484
145°	763	755	763	755	763	476
155°	870	863	870	863	870	400
165°	940	939	940	939	940	265
175°	974	977	974	977	974	92
180°	978	978	978	978	978	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	911.8	912.6	913.3	911.6	911.6	910.1	906.9	904.5	897.6	896.7	896.7
5°	974.9	974.3	975.5	971.5	966.0	964.8	959.0	951.5	943.5	934.7	932.9
7.5°	1037.6	1036.7	1034.3	1033.6	1029.4	1020.2	1010.9	1000.9	987.8	974.9	968.5
10°	1069.3	1079.3	1073.3	1062.6	1064.7	1050.4	1042.8	1029.7	1018.7	999.6	995.3
12.5°	1100.4	1104.4	1102.4	1096.4	1093.7	1083.8	1073.5	1062.1	1041.9	1024.7	1009.7
15°	1100.3	1106.1	1107.7	1105.8	1107.3	1106.7	1101.2	1091.8	1074.2	1055.2	1038.9
17.5°	1019.1	1023.1	1033.1	1039.8	1048.4	1066.4	1075.3	1078.8	1076.1	1065.4	1053.8
20°	928.0	921.3	949.3	963.6	975.8	1006.2	1032.4	1042.4	1058.6	1058.3	1055.2
22.5°	798.9	800.5	827.0	844.0	879.6	910.0	939.9	977.7	1008.9	1029.6	1041.6
25°	587.0	598.6	625.1	648.2	687.8	744.4	795.9	855.6	911.8	956.3	998.7
27.5°	440.8	441.7	462.7	484.1	507.6	554.0	618.8	690.1	770.4	836.6	912.8
30°	377.6	375.7	384.6	397.6	417.8	453.6	502.4	572.4	652.5	752.4	841.2
32.5°	332.7	332.8	339.5	349.2	365.8	390.0	423.5	480.3	556.0	654.2	758.4
35°	289.3	288.9	293.8	300.8	307.8	323.3	346.2	376.0	428.1	519.8	626.3
37.5°	258.0	259.4	261.8	266.2	273.9	282.5	296.3	316.3	353.4	407.6	497.1
40°	240.5	241.2	244.5	248.2	252.7	259.4	270.7	286.8	313.9	357.1	422.6
42.5°	224.5	225.0	227.5	230.8	234.4	241.2	250.5	264.4	286.4	320.1	374.1
45°	201.0	201.0	203.1	204.6	208.6	214.7	222.3	233.8	249.1	274.0	310.0
47.5°	178.9	179.0	180.3	183.0	185.5	190.2	197.7	207.2	218.3	237.6	268.2
50°	166.2	166.6	167.5	169.6	171.1	175.4	181.2	189.4	201.0	215.9	241.4
52.5°	156.0	155.8	156.9	157.9	158.9	162.0	166.3	173.6	183.9	196.9	218.1
55°	139.4	138.2	140.1	141.5	142.5	143.7	146.1	150.7	159.6	170.5	186.3
57.5°	118.7	118.2	119.5	120.9	123.8	127.1	129.1	132.1	136.6	144.5	160.2
60°	101.7	101.7	104.4	105.3	108.7	112.9	117.2	119.7	124.3	129.4	141.0
62.5°	86.6	86.8	88.1	89.0	90.9	96.1	102.2	107.5	111.8	116.8	124.4
65°	72.5	73.1	73.1	73.7	74.9	76.1	78.5	82.8	90.4	97.4	103.2
67.5°	61.5	61.7	61.9	62.5	62.8	64.1	65.1	67.0	68.7	75.4	82.6
70°	54.2	55.1	54.8	55.4	55.7	56.3	57.6	58.5	61.2	62.7	67.0
72.5°	47.4	48.0	48.0	48.3	49.2	49.2	50.2	51.1	52.9	54.2	56.5
75°	38.4	38.1	38.4	39.0	39.3	39.5	39.5	40.8	41.7	43.0	44.4
77.5°	29.6	29.9	29.8	29.9	29.9	30.5	30.4	31.0	31.9	32.5	33.3
80°	23.7	24.1	23.7	24.1	24.4	24.6	24.4	24.6	25.6	26.2	26.2
82.5°	18.4	18.4	18.7	18.7	18.8	18.8	19.2	19.3	20.0	19.8	20.1
85°	10.9	10.7	10.7	10.7	10.9	11.3	10.9	10.9	11.3	11.3	11.3
87.5°	9.5	9.7	9.7	9.6	9.6	9.6	9.7	10.0	9.9	10.2	9.1
90°	28.0	27.9	27.7	27.6	27.3	27.4	27.8	28.1	28.5	28.9	24.9
92.5°	26.7	26.7	26.7	26.7	26.6	26.6	26.5	26.4	26.3	26.3	25.3
95°	51.2	51.5	51.9	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.5
97.5°	88.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.1
100°	113.2	113.3	113.5	113.7	113.9	114.0	114.0	114.0	114.0	114.0	113.4
102.5°	140.9	141.0	141.2	141.5	141.6	141.6	141.5	141.4	141.2	141.0	140.3
105°	183.4	183.4	183.4	183.4	183.4	183.1	182.8	182.4	182.1	181.6	181.3
107.5°	223.3	224.1	224.9	225.8	226.7	227.0	226.9	226.7	226.6	226.4	226.4
110°	254.4	254.9	255.4	256.0	256.6	256.8	256.8	256.8	256.8	256.8	256.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	284.1	284.5	284.9	285.3	285.7	286.1	286.6	287.0	287.4	287.9	288.0
115°	330.3	330.8	331.4	332.0	332.5	332.9	333.0	333.2	333.5	333.6	333.9
117.5°	374.4	375.0	375.5	376.1	376.6	377.1	377.6	378.0	378.5	378.9	379.9
120°	405.4	406.0	406.6	407.1	407.6	408.0	408.0	408.0	408.0	408.0	409.4
122.5°	435.9	436.3	436.7	437.1	437.5	437.9	438.3	438.8	439.2	439.6	440.7
125°	482.2	482.4	482.7	482.8	483.0	483.4	483.9	484.5	485.0	485.6	486.1
127.5°	524.6	525.1	525.7	526.3	526.8	527.5	528.2	528.8	529.5	530.2	530.8
130°	554.9	555.6	556.4	557.1	557.8	558.4	558.8	559.1	559.5	559.9	560.3
132.5°	584.0	584.6	585.1	585.8	586.4	587.0	587.8	588.6	589.5	590.3	590.2
135°	629.2	629.8	630.3	630.9	631.4	631.8	632.0	632.2	632.3	632.5	632.2
137.5°	670.2	670.9	671.6	672.4	673.1	673.6	673.8	673.8	674.0	674.2	673.7
140°	698.6	699.4	700.1	700.8	701.6	701.9	701.9	701.9	701.9	701.9	701.0
142.5°	724.4	725.1	725.9	726.6	727.3	727.6	727.5	727.3	727.2	727.0	726.4
145°	763.0	763.8	764.5	765.2	766.0	766.2	766.1	765.9	765.6	765.5	764.4
147.5°	797.5	798.3	798.9	799.6	800.3	800.5	800.1	799.6	799.2	798.8	798.1
150°	820.0	820.5	821.1	821.7	822.2	822.2	821.7	821.1	820.5	820.0	819.3
152.5°	841.1	841.8	842.5	843.3	843.9	843.9	843.3	842.5	841.8	841.1	840.2
155°	869.5	870.1	870.7	871.2	871.7	871.6	870.7	869.8	868.8	867.9	867.3
157.5°	894.0	894.9	895.8	896.7	897.5	897.3	896.1	894.9	893.6	892.3	892.0
160°	909.2	910.0	910.7	911.4	912.2	911.9	910.9	909.7	908.7	907.5	907.3
162.5°	922.4	923.2	924.1	925.0	925.9	925.8	924.5	923.2	922.0	920.7	920.6
165°	939.7	940.7	941.6	942.5	943.4	943.2	941.9	940.7	939.4	938.1	938.1
167.5°	954.0	954.9	955.9	956.8	957.7	957.6	956.3	955.0	953.7	952.4	952.5
170°	961.2	962.3	963.4	964.5	965.6	965.6	964.3	963.0	961.6	960.4	960.6
172.5°	967.2	968.2	969.4	970.5	971.6	971.4	970.2	968.9	967.6	966.3	966.5
175°	973.6	974.7	975.8	976.9	978.0	977.9	976.6	975.3	974.0	972.7	973.1
177.5°	976.6	977.5	978.4	979.2	980.1	980.1	979.2	978.4	977.5	976.6	976.9
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	897.2	895.3	893.6	889.2	887.0	882.1	881.3	881.1	874.8	868.7	867.0
5°	928.0	923.2	915.8	907.3	898.5	889.3	883.2	878.4	866.2	854.6	847.9
7.5°	959.0	948.6	936.0	919.8	906.4	891.3	880.1	870.0	852.7	836.2	825.0
10°	982.2	965.2	948.4	926.2	908.8	891.8	876.0	862.3	842.8	820.8	805.3
12.5°	996.5	977.8	954.7	933.0	910.5	888.8	867.6	850.0	827.2	804.5	786.0
15°	1016.0	995.9	967.9	936.9	907.9	879.6	855.2	833.3	803.5	776.4	753.8
17.5°	1031.9	1004.2	974.1	938.2	904.7	868.8	837.4	809.3	776.2	743.5	717.0
20°	1037.0	1009.6	974.9	939.0	899.4	857.0	823.3	792.8	757.2	721.5	691.1
22.5°	1033.8	1012.5	973.9	930.9	890.4	846.1	808.0	772.6	733.1	696.8	661.5
25°	1012.4	1005.0	968.5	921.6	875.3	823.9	779.8	741.0	696.0	657.0	618.6
27.5°	962.2	978.0	955.4	905.4	853.9	798.7	749.2	705.2	658.4	614.5	576.3
30°	914.0	950.2	940.4	894.2	836.7	782.4	726.8	680.8	630.9	585.8	548.0
32.5°	848.0	907.8	917.4	878.6	819.1	759.5	701.2	655.4	603.3	555.8	519.0
35°	742.9	832.4	873.5	848.8	789.1	725.0	664.6	611.4	559.0	512.1	475.6
37.5°	617.5	739.4	808.0	809.7	754.9	688.1	622.5	569.6	515.9	469.9	430.4
40°	536.1	668.3	757.5	777.3	731.0	658.8	592.5	538.6	486.2	441.2	395.8
42.5°	463.1	594.8	704.4	738.8	702.1	630.4	563.8	507.4	456.5	413.8	367.5
45°	374.5	489.6	610.4	672.0	651.6	585.1	514.9	461.3	413.4	376.6	332.2
47.5°	315.9	397.1	514.0	597.2	596.8	536.2	467.1	415.7	371.4	336.9	300.8
50°	282.5	353.2	452.2	546.5	554.4	503.6	437.8	386.9	345.6	309.3	280.4
52.5°	252.6	310.8	399.7	490.2	512.7	468.7	405.0	358.0	317.8	284.5	259.7
55°	213.4	258.4	326.1	410.7	444.8	413.8	357.1	313.3	280.7	252.7	231.4
57.5°	180.5	214.3	268.6	336.7	376.4	356.9	310.2	274.6	246.7	221.4	204.6
60°	159.9	187.5	233.5	290.5	334.3	320.6	280.7	247.5	223.8	201.9	186.1
62.5°	140.4	164.2	203.6	249.8	290.0	284.3	251.8	223.9	203.1	183.1	169.7
65°	112.9	130.3	161.0	197.3	229.6	232.3	208.9	190.0	171.4	155.6	143.7
67.5°	89.9	101.3	122.9	153.4	177.7	186.3	171.9	157.5	142.8	130.5	120.3
70°	75.8	85.0	100.8	125.5	147.7	156.8	148.5	137.3	124.5	114.5	105.7
72.5°	61.5	70.4	82.0	100.1	119.2	129.1	126.2	118.1	107.7	99.4	91.1
75°	46.3	49.0	56.9	69.1	84.1	92.5	94.7	90.4	82.2	75.8	70.9
77.5°	34.2	35.9	39.6	46.1	55.8	63.3	66.5	66.0	60.3	56.7	52.1
80°	27.4	28.3	30.2	32.9	40.2	47.8	49.9	49.9	46.0	44.4	39.9
82.5°	20.8	21.5	22.6	24.1	27.6	34.2	36.5	37.0	34.5	32.5	28.9
85°	11.9	11.6	12.1	13.1	13.7	15.5	19.2	19.8	19.2	16.7	15.8
87.5°	8.3	7.7	6.9	6.0	5.9	5.7	6.4	7.3	6.7	6.4	6.4
90°	20.8	16.8	12.7	9.6	7.4	5.2	3.0	0.8	3.0	5.2	7.4
92.5°	24.4	23.4	22.4	21.2	19.6	17.9	16.3	14.7	16.3	17.9	19.6
95°	52.1	51.8	51.4	50.3	48.4	46.6	44.8	43.0	44.8	46.6	48.4
97.5°	87.5	86.7	86.1	84.9	83.3	81.7	80.1	78.4	80.1	81.7	83.3
100°	112.8	112.3	111.8	110.7	109.3	107.8	106.3	104.8	106.3	107.8	109.3
102.5°	139.7	138.9	138.3	137.3	136.2	134.9	133.8	132.6	133.8	134.9	136.2
105°	180.9	180.6	180.2	179.8	179.2	178.6	178.1	177.6	178.1	178.6	179.2
107.5°	226.4	226.4	226.4	226.0	225.2	224.4	223.6	222.8	223.6	224.4	225.2
110°	256.8	256.8	256.8	256.2	255.2	254.0	253.0	251.8	253.0	254.0	255.2





TEST NUMBER: P331794-930

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	288.1	288.3	288.5	288.0	286.9	285.8	284.7	283.6	284.7	285.8	286.9
115°	334.4	334.7	335.1	334.7	333.6	332.5	331.4	330.3	331.4	332.5	333.6
117.5°	380.9	382.0	382.9	382.8	381.3	379.8	378.4	376.9	378.4	379.8	381.3
120°	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0	409.4	410.9	412.4
122.5°	441.7	442.7	443.8	443.4	441.6	439.9	438.1	436.3	438.1	439.9	441.6
125°	486.7	487.2	487.8	487.2	485.6	483.9	482.2	480.6	482.2	483.9	485.6
127.5°	531.5	532.1	532.8	532.1	530.0	527.9	525.8	523.7	525.8	527.9	530.0
130°	560.6	561.0	561.3	560.4	558.0	555.5	553.2	550.8	553.2	555.5	558.0
132.5°	590.1	590.0	590.0	589.0	587.0	585.1	583.1	581.1	583.1	585.1	587.0
135°	631.8	631.4	631.0	629.9	627.9	625.8	623.9	621.8	623.9	625.8	627.9
137.5°	673.2	672.7	672.3	671.2	669.5	667.9	666.3	664.6	666.3	667.9	669.5
140°	700.1	699.2	698.2	696.9	695.3	693.7	692.0	690.3	692.0	693.7	695.3
142.5°	725.8	725.1	724.6	723.4	721.7	720.1	718.4	716.8	718.4	720.1	721.7
145°	763.3	762.2	761.1	759.9	758.6	757.3	756.0	754.7	756.0	757.3	758.6
147.5°	797.4	796.6	795.9	794.8	793.2	791.7	790.2	788.6	790.2	791.7	793.2
150°	818.6	817.8	817.1	816.1	815.1	813.9	812.9	811.7	812.9	813.9	815.1
152.5°	839.4	838.5	837.6	836.7	835.5	834.5	833.3	832.3	833.3	834.5	835.5
155°	866.8	866.3	865.7	865.1	864.6	864.1	863.5	862.9	863.5	864.1	864.6
157.5°	891.7	891.4	891.0	890.6	890.3	889.9	889.6	889.2	889.6	889.9	890.3
160°	907.2	907.0	906.8	906.5	906.1	905.8	905.4	905.1	905.4	905.8	906.1
162.5°	920.4	920.2	920.0	919.9	919.8	919.7	919.7	919.6	919.7	919.7	919.8
165°	938.1	938.1	938.1	938.2	938.3	938.6	938.7	938.9	938.7	938.6	938.3
167.5°	952.5	952.6	952.6	952.9	953.4	954.0	954.6	955.1	954.6	954.0	953.4
170°	960.7	960.9	961.2	961.5	962.1	962.6	963.1	963.7	963.1	962.6	962.1
172.5°	966.7	966.9	967.0	967.4	968.0	968.5	969.1	969.6	969.1	968.5	968.0
175°	973.5	973.9	974.2	974.7	975.3	975.8	976.3	976.9	976.3	975.8	975.3
177.5°	977.1	977.5	977.7	978.1	978.5	979.0	979.4	979.9	979.4	979.0	978.5
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331794-930

CATALOG NUMBER: S122RDIW-S485D970U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	863.8	862.1	858.9	854.1	851.2	846.0	842.6	844.6	845.1	844.6	844.1
5°	840.7	834.2	825.4	816.8	808.9	800.5	795.6	793.4	789.1	786.8	785.5
7.5°	812.5	801.5	789.0	774.2	761.6	748.4	741.6	738.3	729.5	724.8	720.6
10°	791.6	774.2	761.7	742.2	730.4	713.1	701.2	701.5	689.6	682.9	678.0
12.5°	768.5	749.4	728.6	711.1	694.6	680.7	666.3	660.6	647.9	641.5	628.4
15°	730.1	707.8	686.0	662.2	645.5	623.9	603.2	577.9	557.5	539.8	534.9
17.5°	688.2	660.7	638.7	610.8	582.1	545.8	521.8	507.1	494.8	485.5	478.6
20°	659.5	631.4	608.1	566.0	527.3	502.6	485.0	473.8	461.0	450.9	445.4
22.5°	629.2	600.1	568.1	521.1	491.1	471.2	455.5	442.5	433.9	426.1	421.1
25°	586.4	554.4	501.7	469.4	445.2	424.4	413.4	405.5	396.4	385.7	380.9
27.5°	541.1	490.2	452.4	428.4	405.2	391.8	381.9	370.1	361.9	357.1	352.0
30°	507.2	456.4	426.9	400.6	384.3	369.3	357.8	351.1	343.2	334.9	331.6
32.5°	469.4	428.8	400.6	378.8	362.1	349.4	340.2	329.4	323.7	318.6	311.6
35°	422.6	391.8	366.0	348.3	332.5	322.1	311.4	305.1	294.7	290.5	287.7
37.5°	382.9	356.2	336.9	318.3	305.7	294.3	287.8	277.6	273.1	267.2	261.4
40°	360.4	334.3	315.8	300.5	286.5	277.9	269.8	261.5	254.9	252.1	245.1
42.5°	337.6	316.3	297.7	281.0	271.7	262.6	252.3	246.2	239.2	234.8	230.5
45°	306.0	287.1	271.3	257.6	247.2	237.8	231.1	221.0	217.1	208.2	204.6
47.5°	278.2	260.7	245.6	232.5	222.4	216.3	206.5	198.6	192.3	186.9	182.2
50°	258.4	243.9	229.3	217.7	208.6	199.7	189.7	185.7	175.9	173.3	170.5
52.5°	240.4	226.6	213.2	201.9	192.7	184.2	175.3	170.2	163.5	160.8	158.8
55°	215.2	201.9	189.1	179.0	169.9	161.0	155.6	149.2	146.1	144.0	141.5
57.5°	189.9	177.9	168.0	157.9	148.7	141.7	135.3	131.5	128.3	125.6	122.6
60°	173.8	162.2	153.4	144.0	134.6	128.8	123.9	119.4	115.7	111.5	110.2
62.5°	156.8	146.7	138.6	129.4	121.2	115.9	111.3	107.0	102.6	96.4	94.7
65°	133.4	125.5	116.9	109.3	102.0	96.9	90.1	85.3	83.4	82.8	82.5
67.5°	112.2	104.7	97.3	89.6	82.9	78.1	74.7	73.9	72.7	72.3	71.5
70°	98.0	91.1	83.7	76.4	70.0	69.1	67.9	66.7	65.1	64.6	63.9
72.5°	85.4	78.1	70.8	65.0	62.2	61.1	59.8	58.6	57.6	57.0	56.7
75°	65.5	58.8	53.9	51.8	50.2	49.3	47.5	46.6	46.0	45.1	44.8
77.5°	47.1	43.4	41.1	39.8	38.2	37.2	36.2	35.2	34.6	34.4	33.9
80°	36.0	34.1	32.6	30.7	30.2	28.9	28.6	27.7	28.0	27.1	27.1
82.5°	27.9	25.6	24.3	23.5	22.8	21.9	21.5	21.1	21.2	20.5	20.5
85°	14.3	13.7	13.1	12.5	12.5	11.6	11.9	11.6	11.6	10.9	10.7
87.5°	6.5	6.9	7.3	8.1	8.9	9.5	9.4	9.0	9.0	8.9	8.6
90°	9.6	12.7	16.8	20.8	24.9	28.9	28.5	28.1	27.8	27.4	27.3
92.5°	21.2	22.4	23.4	24.4	25.3	26.3	26.3	26.4	26.5	26.6	26.6
95°	50.3	51.4	51.8	52.1	52.5	52.8	52.8	52.8	52.8	52.8	52.7
97.5°	84.9	86.1	86.7	87.5	88.1	88.9	88.9	88.9	88.9	88.9	88.9
100°	110.7	111.8	112.3	112.8	113.4	114.0	114.0	114.0	114.0	114.0	113.9
102.5°	137.3	138.3	138.9	139.7	140.3	141.0	141.2	141.4	141.5	141.6	141.6
105°	179.8	180.2	180.6	180.9	181.3	181.6	182.1	182.4	182.8	183.1	183.4
107.5°	226.0	226.4	226.4	226.4	226.4	226.4	226.6	226.7	226.9	227.0	226.7
110°	256.2	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	288.0	288.5	288.3	288.1	288.0	287.9	287.4	287.0	286.6	286.1	285.7
115°	334.7	335.1	334.7	334.4	333.9	333.6	333.5	333.2	333.0	332.9	332.5
117.5°	382.8	382.9	382.0	380.9	379.9	378.9	378.5	378.0	377.6	377.1	376.6
120°	413.8	413.8	412.4	410.9	409.4	408.0	408.0	408.0	408.0	408.0	407.6
122.5°	443.4	443.8	442.7	441.7	440.7	439.6	439.2	438.8	438.3	437.9	437.5
125°	487.2	487.8	487.2	486.7	486.1	485.6	485.0	484.5	483.9	483.4	483.0
127.5°	532.1	532.8	532.1	531.5	530.8	530.2	529.5	528.8	528.2	527.5	526.8
130°	560.4	561.3	561.0	560.6	560.3	559.9	559.5	559.1	558.8	558.4	557.8
132.5°	589.0	590.0	590.0	590.1	590.2	590.3	589.5	588.6	587.8	587.0	586.4
135°	629.9	631.0	631.4	631.8	632.2	632.5	632.3	632.2	632.0	631.8	631.4
137.5°	671.2	672.3	672.7	673.2	673.7	674.2	674.0	673.8	673.8	673.6	673.1
140°	696.9	698.2	699.2	700.1	701.0	701.9	701.9	701.9	701.9	701.9	701.6
142.5°	723.4	724.6	725.1	725.8	726.4	727.0	727.2	727.3	727.5	727.6	727.3
145°	759.9	761.1	762.2	763.3	764.4	765.5	765.6	765.9	766.1	766.2	766.0
147.5°	794.8	795.9	796.6	797.4	798.1	798.8	799.2	799.6	800.1	800.5	800.3
150°	816.1	817.1	817.8	818.6	819.3	820.0	820.5	821.1	821.7	822.2	822.2
152.5°	836.7	837.6	838.5	839.4	840.2	841.1	841.8	842.5	843.3	843.9	843.9
155°	865.1	865.7	866.3	866.8	867.3	867.9	868.8	869.8	870.7	871.6	871.7
157.5°	890.6	891.0	891.4	891.7	892.0	892.3	893.6	894.9	896.1	897.3	897.5
160°	906.5	906.8	907.0	907.2	907.3	907.5	908.7	909.7	910.9	911.9	912.2
162.5°	919.9	920.0	920.2	920.4	920.6	920.7	922.0	923.2	924.5	925.8	925.9
165°	938.2	938.1	938.1	938.1	938.1	938.1	939.4	940.7	941.9	943.2	943.4
167.5°	952.9	952.6	952.6	952.5	952.5	952.4	953.7	955.0	956.3	957.6	957.7
170°	961.5	961.2	960.9	960.7	960.6	960.4	961.6	963.0	964.3	965.6	965.6
172.5°	967.4	967.0	966.9	966.7	966.5	966.3	967.6	968.9	970.2	971.4	971.6
175°	974.7	974.2	973.9	973.5	973.1	972.7	974.0	975.3	976.6	977.9	978.0
177.5°	978.1	977.7	977.5	977.1	976.9	976.6	977.5	978.4	979.2	980.1	980.1
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331794-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	841.4	841.9	841.1	841.6	841.1	841.9	841.4	844.1	844.6	845.1	844.6
5°	784.0	780.3	779.8	778.9	779.8	780.3	784.0	785.5	786.8	789.1	793.4
7.5°	715.4	714.9	713.4	711.2	713.4	714.9	715.4	720.6	724.8	729.5	738.3
10°	671.3	669.8	669.5	667.4	669.5	669.8	671.3	678.0	682.9	689.6	701.5
12.5°	619.7	609.9	608.9	603.6	608.9	609.9	619.7	628.4	641.5	647.9	660.6
15°	527.7	525.8	519.8	515.8	519.8	525.8	527.7	534.9	539.8	557.5	577.9
17.5°	475.0	469.0	467.2	466.4	467.2	469.0	475.0	478.6	485.5	494.8	507.1
20°	441.2	435.7	434.8	434.1	434.8	435.7	441.2	445.4	450.9	461.0	473.8
22.5°	417.8	412.1	409.7	407.9	409.7	412.1	417.8	421.1	426.1	433.9	442.5
25°	377.8	375.7	374.5	373.9	374.5	375.7	377.8	380.9	385.7	396.4	405.5
27.5°	346.6	341.9	341.0	339.4	341.0	341.9	346.6	352.0	357.1	361.9	370.1
30°	328.8	327.3	325.1	323.3	325.1	327.3	328.8	331.6	334.9	343.2	351.1
32.5°	307.9	306.6	304.7	303.9	304.7	306.6	307.9	311.6	318.6	323.7	329.4
35°	284.7	280.4	278.6	275.8	278.6	280.4	284.7	287.7	290.5	294.7	305.1
37.5°	260.2	257.9	255.4	256.2	255.4	257.9	260.2	261.4	267.2	273.1	277.6
40°	241.2	239.6	239.0	238.7	239.0	239.6	241.2	245.1	252.1	254.9	261.5
42.5°	226.0	221.8	220.2	220.2	220.2	221.8	226.0	230.5	234.8	239.2	246.2
45°	203.1	199.1	196.4	196.7	196.4	199.1	203.1	204.6	208.2	217.1	221.0
47.5°	179.6	179.4	177.7	178.3	177.7	179.4	179.6	182.2	186.9	192.3	198.6
50°	168.4	166.6	165.3	165.6	165.3	166.6	168.4	170.5	173.3	175.9	185.7
52.5°	157.7	156.0	155.1	156.4	155.1	156.0	157.7	158.8	160.8	163.5	170.2
55°	140.1	138.2	137.9	137.6	137.9	138.2	140.1	141.5	144.0	146.1	149.2
57.5°	120.4	119.2	117.3	116.6	117.3	119.2	120.4	122.6	125.6	128.3	131.5
60°	106.2	103.8	100.8	100.4	100.8	103.8	106.2	110.2	111.5	115.7	119.4
62.5°	93.4	92.9	92.3	92.2	92.3	92.9	93.4	94.7	96.4	102.6	107.0
65°	81.9	81.6	81.9	82.2	81.9	81.6	81.9	82.5	82.8	83.4	85.3
67.5°	71.3	70.8	70.3	70.5	70.3	70.8	71.3	71.5	72.3	72.7	73.9
70°	63.3	63.0	62.7	62.7	62.7	63.0	63.3	63.9	64.6	65.1	66.7
72.5°	55.5	55.4	55.2	55.0	55.2	55.4	55.5	56.7	57.0	57.6	58.6
75°	44.4	43.9	43.9	43.9	43.9	43.9	44.4	44.8	45.1	46.0	46.6
77.5°	33.8	33.6	33.3	33.0	33.3	33.6	33.8	33.9	34.4	34.6	35.2
80°	26.8	26.5	26.2	26.2	26.2	26.5	26.8	27.1	27.1	28.0	27.7
82.5°	20.5	20.1	20.1	19.8	20.1	20.1	20.5	20.5	20.5	21.2	21.1
85°	10.9	11.3	10.9	11.6	10.9	11.3	10.9	10.7	10.9	11.6	11.6
87.5°	8.6	8.5	8.7	8.6	8.7	8.5	8.6	8.6	8.9	9.0	9.0
90°	27.6	27.7	27.9	28.0	27.9	27.7	27.6	27.3	27.4	27.8	28.1
92.5°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.6	26.6	26.5	26.4
95°	52.3	51.9	51.5	51.2	51.5	51.9	52.3	52.7	52.8	52.8	52.8
97.5°	88.8	88.8	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9
100°	113.7	113.5	113.3	113.2	113.3	113.5	113.7	113.9	114.0	114.0	114.0
102.5°	141.5	141.2	141.0	140.9	141.0	141.2	141.5	141.6	141.6	141.5	141.4
105°	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.1	182.8	182.4
107.5°	225.8	224.9	224.1	223.3	224.1	224.9	225.8	226.7	227.0	226.9	226.7
110°	256.0	255.4	254.9	254.4	254.9	255.4	256.0	256.6	256.8	256.8	256.8



TEST NUMBER: P331794-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	285.3	284.9	284.5	284.1	284.5	284.9	285.3	285.7	286.1	286.6	287.0
115°	332.0	331.4	330.8	330.3	330.8	331.4	332.0	332.5	332.9	333.0	333.2
117.5°	376.1	375.5	375.0	374.4	375.0	375.5	376.1	376.6	377.1	377.6	378.0
120°	407.1	406.6	406.0	405.4	406.0	406.6	407.1	407.6	408.0	408.0	408.0
122.5°	437.1	436.7	436.3	435.9	436.3	436.7	437.1	437.5	437.9	438.3	438.8
125°	482.8	482.7	482.4	482.2	482.4	482.7	482.8	483.0	483.4	483.9	484.5
127.5°	526.3	525.7	525.1	524.6	525.1	525.7	526.3	526.8	527.5	528.2	528.8
130°	557.1	556.4	555.6	554.9	555.6	556.4	557.1	557.8	558.4	558.8	559.1
132.5°	585.8	585.1	584.6	584.0	584.6	585.1	585.8	586.4	587.0	587.8	588.6
135°	630.9	630.3	629.8	629.2	629.8	630.3	630.9	631.4	631.8	632.0	632.2
137.5°	672.4	671.6	670.9	670.2	670.9	671.6	672.4	673.1	673.6	673.8	673.8
140°	700.8	700.1	699.4	698.6	699.4	700.1	700.8	701.6	701.9	701.9	701.9
142.5°	726.6	725.9	725.1	724.4	725.1	725.9	726.6	727.3	727.6	727.5	727.3
145°	765.2	764.5	763.8	763.0	763.8	764.5	765.2	766.0	766.2	766.1	765.9
147.5°	799.6	798.9	798.3	797.5	798.3	798.9	799.6	800.3	800.5	800.1	799.6
150°	821.7	821.1	820.5	820.0	820.5	821.1	821.7	822.2	822.2	821.7	821.1
152.5°	843.3	842.5	841.8	841.1	841.8	842.5	843.3	843.9	843.9	843.3	842.5
155°	871.2	870.7	870.1	869.5	870.1	870.7	871.2	871.7	871.6	870.7	869.8
157.5°	896.7	895.8	894.9	894.0	894.9	895.8	896.7	897.5	897.3	896.1	894.9
160°	911.4	910.7	910.0	909.2	910.0	910.7	911.4	912.2	911.9	910.9	909.7
162.5°	925.0	924.1	923.2	922.4	923.2	924.1	925.0	925.9	925.8	924.5	923.2
165°	942.5	941.6	940.7	939.7	940.7	941.6	942.5	943.4	943.2	941.9	940.7
167.5°	956.8	955.9	954.9	954.0	954.9	955.9	956.8	957.7	957.6	956.3	955.0
170°	964.5	963.4	962.3	961.2	962.3	963.4	964.5	965.6	965.6	964.3	963.0
172.5°	970.5	969.4	968.2	967.2	968.2	969.4	970.5	971.6	971.4	970.2	968.9
175°	976.9	975.8	974.7	973.6	974.7	975.8	976.9	978.0	977.9	976.6	975.3
177.5°	979.2	978.4	977.5	976.6	977.5	978.4	979.2	980.1	980.1	979.2	978.4
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331794-930

CATALOG NUMBER: S122RDIW-S485D970U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	842.6	846.0	851.2	854.1	858.9	862.1	863.8	867.0	868.7	874.8	881.1
5°	795.6	800.5	808.9	816.8	825.4	834.2	840.7	847.9	854.6	866.2	878.4
7.5°	741.6	748.4	761.6	774.2	789.0	801.5	812.5	825.0	836.2	852.7	870.0
10°	701.2	713.1	730.4	742.2	761.7	774.2	791.6	805.3	820.8	842.8	862.3
12.5°	666.3	680.7	694.6	711.1	728.6	749.4	768.5	786.0	804.5	827.2	850.0
15°	603.2	623.9	645.5	662.2	686.0	707.8	730.1	753.8	776.4	803.5	833.3
17.5°	521.8	545.8	582.1	610.8	638.7	660.7	688.2	717.0	743.5	776.2	809.3
20°	485.0	502.6	527.3	566.0	608.1	631.4	659.5	691.1	721.5	757.2	792.8
22.5°	455.5	471.2	491.1	521.1	568.1	600.1	629.2	661.5	696.8	733.1	772.6
25°	413.4	424.4	445.2	469.4	501.7	554.4	586.4	618.6	657.0	696.0	741.0
27.5°	381.9	391.8	405.2	428.4	452.4	490.2	541.1	576.3	614.5	658.4	705.2
30°	357.8	369.3	384.3	400.6	426.9	456.4	507.2	548.0	585.8	630.9	680.8
32.5°	340.2	349.4	362.1	378.8	400.6	428.8	469.4	519.0	555.8	603.3	655.4
35°	311.4	322.1	332.5	348.3	366.0	391.8	422.6	475.6	512.1	559.0	611.4
37.5°	287.8	294.3	305.7	318.3	336.9	356.2	382.9	430.4	469.9	515.9	569.6
40°	269.8	277.9	286.5	300.5	315.8	334.3	360.4	395.8	441.2	486.2	538.6
42.5°	252.3	262.6	271.7	281.0	297.7	316.3	337.6	367.5	413.8	456.5	507.4
45°	231.1	237.8	247.2	257.6	271.3	287.1	306.0	332.2	376.6	413.4	461.3
47.5°	206.5	216.3	222.4	232.5	245.6	260.7	278.2	300.8	336.9	371.4	415.7
50°	189.7	199.7	208.6	217.7	229.3	243.9	258.4	280.4	309.3	345.6	386.9
52.5°	175.3	184.2	192.7	201.9	213.2	226.6	240.4	259.7	284.5	317.8	358.0
55°	155.6	161.0	169.9	179.0	189.1	201.9	215.2	231.4	252.7	280.7	313.3
57.5°	135.3	141.7	148.7	157.9	168.0	177.9	189.9	204.6	221.4	246.7	274.6
60°	123.9	128.8	134.6	144.0	153.4	162.2	173.8	186.1	201.9	223.8	247.5
62.5°	111.3	115.9	121.2	129.4	138.6	146.7	156.8	169.7	183.1	203.1	223.9
65°	90.1	96.9	102.0	109.3	116.9	125.5	133.4	143.7	155.6	171.4	190.0
67.5°	74.7	78.1	82.9	89.6	97.3	104.7	112.2	120.3	130.5	142.8	157.5
70°	67.9	69.1	70.0	76.4	83.7	91.1	98.0	105.7	114.5	124.5	137.3
72.5°	59.8	61.1	62.2	65.0	70.8	78.1	85.4	91.1	99.4	107.7	118.1
75°	47.5	49.3	50.2	51.8	53.9	58.8	65.5	70.9	75.8	82.2	90.4
77.5°	36.2	37.2	38.2	39.8	41.1	43.4	47.1	52.1	56.7	60.3	66.0
80°	28.6	28.9	30.2	30.7	32.6	34.1	36.0	39.9	44.4	46.0	49.9
82.5°	21.5	21.9	22.8	23.5	24.3	25.6	27.9	28.9	32.5	34.5	37.0
85°	11.9	11.6	12.5	12.5	13.1	13.7	14.3	15.8	16.7	19.2	19.8
87.5°	9.4	9.5	8.9	8.1	7.3	6.9	6.5	6.4	6.4	6.7	7.3
90°	28.5	28.9	24.9	20.8	16.8	12.7	9.6	7.4	5.2	3.0	0.8
92.5°	26.3	26.3	25.3	24.4	23.4	22.4	21.2	19.6	17.9	16.3	14.7
95°	52.8	52.8	52.5	52.1	51.8	51.4	50.3	48.4	46.6	44.8	43.0
97.5°	88.9	88.9	88.1	87.5	86.7	86.1	84.9	83.3	81.7	80.1	78.4
100°	114.0	114.0	113.4	112.8	112.3	111.8	110.7	109.3	107.8	106.3	104.8
102.5°	141.2	141.0	140.3	139.7	138.9	138.3	137.3	136.2	134.9	133.8	132.6
105°	182.1	181.6	181.3	180.9	180.6	180.2	179.8	179.2	178.6	178.1	177.6
107.5°	226.6	226.4	226.4	226.4	226.4	226.4	226.0	225.2	224.4	223.6	222.8
110°	256.8	256.8	256.8	256.8	256.8	256.8	256.2	255.2	254.0	253.0	251.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	287.4	287.9	288.0	288.1	288.3	288.5	288.0	286.9	285.8	284.7	283.6
115°	333.5	333.6	333.9	334.4	334.7	335.1	334.7	333.6	332.5	331.4	330.3
117.5°	378.5	378.9	379.9	380.9	382.0	382.9	382.8	381.3	379.8	378.4	376.9
120°	408.0	408.0	409.4	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0
122.5°	439.2	439.6	440.7	441.7	442.7	443.8	443.4	441.6	439.9	438.1	436.3
125°	485.0	485.6	486.1	486.7	487.2	487.8	487.2	485.6	483.9	482.2	480.6
127.5°	529.5	530.2	530.8	531.5	532.1	532.8	532.1	530.0	527.9	525.8	523.7
130°	559.5	559.9	560.3	560.6	561.0	561.3	560.4	558.0	555.5	553.2	550.8
132.5°	589.5	590.3	590.2	590.1	590.0	590.0	589.0	587.0	585.1	583.1	581.1
135°	632.3	632.5	632.2	631.8	631.4	631.0	629.9	627.9	625.8	623.9	621.8
137.5°	674.0	674.2	673.7	673.2	672.7	672.3	671.2	669.5	667.9	666.3	664.6
140°	701.9	701.9	701.0	700.1	699.2	698.2	696.9	695.3	693.7	692.0	690.3
142.5°	727.2	727.0	726.4	725.8	725.1	724.6	723.4	721.7	720.1	718.4	716.8
145°	765.6	765.5	764.4	763.3	762.2	761.1	759.9	758.6	757.3	756.0	754.7
147.5°	799.2	798.8	798.1	797.4	796.6	795.9	794.8	793.2	791.7	790.2	788.6
150°	820.5	820.0	819.3	818.6	817.8	817.1	816.1	815.1	813.9	812.9	811.7
152.5°	841.8	841.1	840.2	839.4	838.5	837.6	836.7	835.5	834.5	833.3	832.3
155°	868.8	867.9	867.3	866.8	866.3	865.7	865.1	864.6	864.1	863.5	862.9
157.5°	893.6	892.3	892.0	891.7	891.4	891.0	890.6	890.3	889.9	889.6	889.2
160°	908.7	907.5	907.3	907.2	907.0	906.8	906.5	906.1	905.8	905.4	905.1
162.5°	922.0	920.7	920.6	920.4	920.2	920.0	919.9	919.8	919.7	919.7	919.6
165°	939.4	938.1	938.1	938.1	938.1	938.1	938.2	938.3	938.6	938.7	938.9
167.5°	953.7	952.4	952.5	952.5	952.6	952.6	952.9	953.4	954.0	954.6	955.1
170°	961.6	960.4	960.6	960.7	960.9	961.2	961.5	962.1	962.6	963.1	963.7
172.5°	967.6	966.3	966.5	966.7	966.9	967.0	967.4	968.0	968.5	969.1	969.6
175°	974.0	972.7	973.1	973.5	973.9	974.2	974.7	975.3	975.8	976.3	976.9
177.5°	977.5	976.6	976.9	977.1	977.5	977.7	978.1	978.5	979.0	979.4	979.9
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	881.3	882.1	887.0	889.2	893.6	895.3	897.2	896.7	896.7	897.6	904.5
5°	883.2	889.3	898.5	907.3	915.8	923.2	928.0	932.9	934.7	943.5	951.5
7.5°	880.1	891.3	906.4	919.8	936.0	948.6	959.0	968.5	974.9	987.8	1000.9
10°	876.0	891.8	908.8	926.2	948.4	965.2	982.2	995.3	999.6	1018.7	1029.7
12.5°	867.6	888.8	910.5	933.0	954.7	977.8	996.5	1009.7	1024.7	1041.9	1062.1
15°	855.2	879.6	907.9	936.9	967.9	995.9	1016.0	1038.9	1055.2	1074.2	1091.8
17.5°	837.4	868.8	904.7	938.2	974.1	1004.2	1031.9	1053.8	1065.4	1076.1	1078.8
20°	823.3	857.0	899.4	939.0	974.9	1009.6	1037.0	1055.2	1058.3	1058.6	1042.4
22.5°	808.0	846.1	890.4	930.9	973.9	1012.5	1033.8	1041.6	1029.6	1008.9	977.7
25°	779.8	823.9	875.3	921.6	968.5	1005.0	1012.4	998.7	956.3	911.8	855.6
27.5°	749.2	798.7	853.9	905.4	955.4	978.0	962.2	912.8	836.6	770.4	690.1
30°	726.8	782.4	836.7	894.2	940.4	950.2	914.0	841.2	752.4	652.5	572.4
32.5°	701.2	759.5	819.1	878.6	917.4	907.8	848.0	758.4	654.2	556.0	480.3
35°	664.6	725.0	789.1	848.8	873.5	832.4	742.9	626.3	519.8	428.1	376.0
37.5°	622.5	688.1	754.9	809.7	808.0	739.4	617.5	497.1	407.6	353.4	316.3
40°	592.5	658.8	731.0	777.3	757.5	668.3	536.1	422.6	357.1	313.9	286.8
42.5°	563.8	630.4	702.1	738.8	704.4	594.8	463.1	374.1	320.1	286.4	264.4
45°	514.9	585.1	651.6	672.0	610.4	489.6	374.5	310.0	274.0	249.1	233.8
47.5°	467.1	536.2	596.8	597.2	514.0	397.1	315.9	268.2	237.6	218.3	207.2
50°	437.8	503.6	554.4	546.5	452.2	353.2	282.5	241.4	215.9	201.0	189.4
52.5°	405.0	468.7	512.7	490.2	399.7	310.8	252.6	218.1	196.9	183.9	173.6
55°	357.1	413.8	444.8	410.7	326.1	258.4	213.4	186.3	170.5	159.6	150.7
57.5°	310.2	356.9	376.4	336.7	268.6	214.3	180.5	160.2	144.5	136.6	132.1
60°	280.7	320.6	334.3	290.5	233.5	187.5	159.9	141.0	129.4	124.3	119.7
62.5°	251.8	284.3	290.0	249.8	203.6	164.2	140.4	124.4	116.8	111.8	107.5
65°	208.9	232.3	229.6	197.3	161.0	130.3	112.9	103.2	97.4	90.4	82.8
67.5°	171.9	186.3	177.7	153.4	122.9	101.3	89.9	82.6	75.4	68.7	67.0
70°	148.5	156.8	147.7	125.5	100.8	85.0	75.8	67.0	62.7	61.2	58.5
72.5°	126.2	129.1	119.2	100.1	82.0	70.4	61.5	56.5	54.2	52.9	51.1
75°	94.7	92.5	84.1	69.1	56.9	49.0	46.3	44.4	43.0	41.7	40.8
77.5°	66.5	63.3	55.8	46.1	39.6	35.9	34.2	33.3	32.5	31.9	31.0
80°	49.9	47.8	40.2	32.9	30.2	28.3	27.4	26.2	26.2	25.6	24.6
82.5°	36.5	34.2	27.6	24.1	22.6	21.5	20.8	20.1	19.8	20.0	19.3
85°	19.2	15.5	13.7	13.1	12.1	11.6	11.9	11.3	11.3	11.3	10.9
87.5°	6.4	5.7	5.9	6.0	6.9	7.7	8.3	9.1	10.2	9.9	10.0
90°	3.0	5.2	7.4	9.6	12.7	16.8	20.8	24.9	28.9	28.5	28.1
92.5°	16.3	17.9	19.6	21.2	22.4	23.4	24.4	25.3	26.3	26.3	26.4
95°	44.8	46.6	48.4	50.3	51.4	51.8	52.1	52.5	52.8	52.8	52.8
97.5°	80.1	81.7	83.3	84.9	86.1	86.7	87.5	88.1	88.9	88.9	88.9
100°	106.3	107.8	109.3	110.7	111.8	112.3	112.8	113.4	114.0	114.0	114.0
102.5°	133.8	134.9	136.2	137.3	138.3	138.9	139.7	140.3	141.0	141.2	141.4
105°	178.1	178.6	179.2	179.8	180.2	180.6	180.9	181.3	181.6	182.1	182.4
107.5°	223.6	224.4	225.2	226.0	226.4	226.4	226.4	226.4	226.4	226.6	226.7
110°	253.0	254.0	255.2	256.2	256.8	256.8	256.8	256.8	256.8	256.8	256.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	284.7	285.8	286.9	288.0	288.5	288.3	288.1	288.0	287.9	287.4	287.0
115°	331.4	332.5	333.6	334.7	335.1	334.7	334.4	333.9	333.6	333.5	333.2
117.5°	378.4	379.8	381.3	382.8	382.9	382.0	380.9	379.9	378.9	378.5	378.0
120°	409.4	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0	408.0	408.0
122.5°	438.1	439.9	441.6	443.4	443.8	442.7	441.7	440.7	439.6	439.2	438.8
125°	482.2	483.9	485.6	487.2	487.8	487.2	486.7	486.1	485.6	485.0	484.5
127.5°	525.8	527.9	530.0	532.1	532.8	532.1	531.5	530.8	530.2	529.5	528.8
130°	553.2	555.5	558.0	560.4	561.3	561.0	560.6	560.3	559.9	559.5	559.1
132.5°	583.1	585.1	587.0	589.0	590.0	590.0	590.1	590.2	590.3	589.5	588.6
135°	623.9	625.8	627.9	629.9	631.0	631.4	631.8	632.2	632.5	632.3	632.2
137.5°	666.3	667.9	669.5	671.2	672.3	672.7	673.2	673.7	674.2	674.0	673.8
140°	692.0	693.7	695.3	696.9	698.2	699.2	700.1	701.0	701.9	701.9	701.9
142.5°	718.4	720.1	721.7	723.4	724.6	725.1	725.8	726.4	727.0	727.2	727.3
145°	756.0	757.3	758.6	759.9	761.1	762.2	763.3	764.4	765.5	765.6	765.9
147.5°	790.2	791.7	793.2	794.8	795.9	796.6	797.4	798.1	798.8	799.2	799.6
150°	812.9	813.9	815.1	816.1	817.1	817.8	818.6	819.3	820.0	820.5	821.1
152.5°	833.3	834.5	835.5	836.7	837.6	838.5	839.4	840.2	841.1	841.8	842.5
155°	863.5	864.1	864.6	865.1	865.7	866.3	866.8	867.3	867.9	868.8	869.8
157.5°	889.6	889.9	890.3	890.6	891.0	891.4	891.7	892.0	892.3	893.6	894.9
160°	905.4	905.8	906.1	906.5	906.8	907.0	907.2	907.3	907.5	908.7	909.7
162.5°	919.7	919.7	919.8	919.9	920.0	920.2	920.4	920.6	920.7	922.0	923.2
165°	938.7	938.6	938.3	938.2	938.1	938.1	938.1	938.1	938.1	939.4	940.7
167.5°	954.6	954.0	953.4	952.9	952.6	952.6	952.5	952.5	952.4	953.7	955.0
170°	963.1	962.6	962.1	961.5	961.2	960.9	960.7	960.6	960.4	961.6	963.0
172.5°	969.1	968.5	968.0	967.4	967.0	966.9	966.7	966.5	966.3	967.6	968.9
175°	976.3	975.8	975.3	974.7	974.2	973.9	973.5	973.1	972.7	974.0	975.3
177.5°	979.4	979.0	978.5	978.1	977.7	977.5	977.1	976.9	976.6	977.5	978.4
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	906.9	910.1	911.6	911.6	913.3	912.6	911.8
5°	959.0	964.8	966.0	971.5	975.5	974.3	974.9
7.5°	1010.9	1020.2	1029.4	1033.6	1034.3	1036.7	1037.6
10°	1042.8	1050.4	1064.7	1062.6	1073.3	1079.3	1069.3
12.5°	1073.5	1083.8	1093.7	1096.4	1102.4	1104.4	1100.4
15°	1101.2	1106.7	1107.3	1105.8	1107.7	1106.1	1100.3
17.5°	1075.3	1066.4	1048.4	1039.8	1033.1	1023.1	1019.1
20°	1032.4	1006.2	975.8	963.6	949.3	921.3	928.0
22.5°	939.9	910.0	879.6	844.0	827.0	800.5	798.9
25°	795.9	744.4	687.8	648.2	625.1	598.6	587.0
27.5°	618.8	554.0	507.6	484.1	462.7	441.7	440.8
30°	502.4	453.6	417.8	397.6	384.6	375.7	377.6
32.5°	423.5	390.0	365.8	349.2	339.5	332.8	332.7
35°	346.2	323.3	307.8	300.8	293.8	288.9	289.3
37.5°	296.3	282.5	273.9	266.2	261.8	259.4	258.0
40°	270.7	259.4	252.7	248.2	244.5	241.2	240.5
42.5°	250.5	241.2	234.4	230.8	227.5	225.0	224.5
45°	222.3	214.7	208.6	204.6	203.1	201.0	201.0
47.5°	197.7	190.2	185.5	183.0	180.3	179.0	178.9
50°	181.2	175.4	171.1	169.6	167.5	166.6	166.2
52.5°	166.3	162.0	158.9	157.9	156.9	155.8	156.0
55°	146.1	143.7	142.5	141.5	140.1	138.2	139.4
57.5°	129.1	127.1	123.8	120.9	119.5	118.2	118.7
60°	117.2	112.9	108.7	105.3	104.4	101.7	101.7
62.5°	102.2	96.1	90.9	89.0	88.1	86.8	86.6
65°	78.5	76.1	74.9	73.7	73.1	73.1	72.5
67.5°	65.1	64.1	62.8	62.5	61.9	61.7	61.5
70°	57.6	56.3	55.7	55.4	54.8	55.1	54.2
72.5°	50.2	49.2	49.2	48.3	48.0	48.0	47.4
75°	39.5	39.5	39.3	39.0	38.4	38.1	38.4
77.5°	30.4	30.5	29.9	29.9	29.8	29.9	29.6
80°	24.4	24.6	24.4	24.1	23.7	24.1	23.7
82.5°	19.2	18.8	18.8	18.7	18.7	18.4	18.4
85°	10.9	11.3	10.9	10.7	10.7	10.7	10.9
87.5°	9.7	9.6	9.6	9.6	9.7	9.7	9.5
90°	27.8	27.4	27.3	27.6	27.7	27.9	28.0
92.5°	26.5	26.6	26.6	26.7	26.7	26.7	26.7
95°	52.8	52.8	52.7	52.3	51.9	51.5	51.2
97.5°	88.9	88.9	88.9	88.8	88.8	88.7	88.7
100°	114.0	114.0	113.9	113.7	113.5	113.3	113.2
102.5°	141.5	141.6	141.6	141.5	141.2	141.0	140.9
105°	182.8	183.1	183.4	183.4	183.4	183.4	183.4
107.5°	226.9	227.0	226.7	225.8	224.9	224.1	223.3
110°	256.8	256.8	256.6	256.0	255.4	254.9	254.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	286.6	286.1	285.7	285.3	284.9	284.5	284.1
115°	333.0	332.9	332.5	332.0	331.4	330.8	330.3
117.5°	377.6	377.1	376.6	376.1	375.5	375.0	374.4
120°	408.0	408.0	407.6	407.1	406.6	406.0	405.4
122.5°	438.3	437.9	437.5	437.1	436.7	436.3	435.9
125°	483.9	483.4	483.0	482.8	482.7	482.4	482.2
127.5°	528.2	527.5	526.8	526.3	525.7	525.1	524.6
130°	558.8	558.4	557.8	557.1	556.4	555.6	554.9
132.5°	587.8	587.0	586.4	585.8	585.1	584.6	584.0
135°	632.0	631.8	631.4	630.9	630.3	629.8	629.2
137.5°	673.8	673.6	673.1	672.4	671.6	670.9	670.2
140°	701.9	701.9	701.6	700.8	700.1	699.4	698.6
142.5°	727.5	727.6	727.3	726.6	725.9	725.1	724.4
145°	766.1	766.2	766.0	765.2	764.5	763.8	763.0
147.5°	800.1	800.5	800.3	799.6	798.9	798.3	797.5
150°	821.7	822.2	822.2	821.7	821.1	820.5	820.0
152.5°	843.3	843.9	843.9	843.3	842.5	841.8	841.1
155°	870.7	871.6	871.7	871.2	870.7	870.1	869.5
157.5°	896.1	897.3	897.5	896.7	895.8	894.9	894.0
160°	910.9	911.9	912.2	911.4	910.7	910.0	909.2
162.5°	924.5	925.8	925.9	925.0	924.1	923.2	922.4
165°	941.9	943.2	943.4	942.5	941.6	940.7	939.7
167.5°	956.3	957.6	957.7	956.8	955.9	954.9	954.0
170°	964.3	965.6	965.6	964.5	963.4	962.3	961.2
172.5°	970.2	971.4	971.6	970.5	969.4	968.2	967.2
175°	976.6	977.9	978.0	976.9	975.8	974.7	973.6
177.5°	979.2	980.1	980.1	979.2	978.4	977.5	976.6
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5

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