

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: P331658-830

Luminaire Tested: **S122RDIP-S485D725U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331658-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S485D725U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 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: 4195.3 lumens  
Efficiency: N/A  
Efficacy: 109.3 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

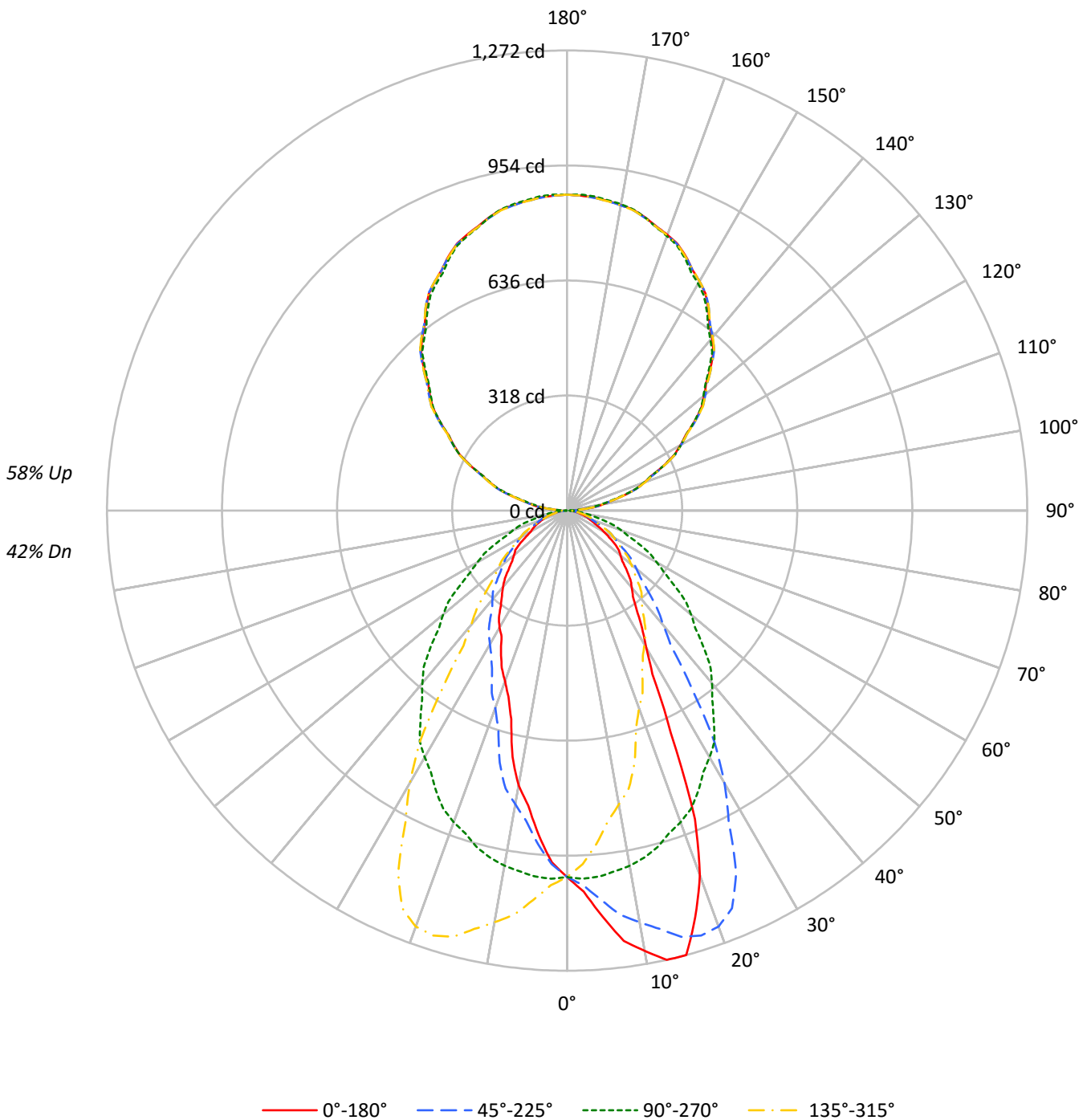
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	44	43	42	36
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	39	38	37	32
3	81	72	65	60	74	66	61	56	55	51	48	45	42	40	36	34	32	28
4	75	64	57	51	68	59	53	48	50	45	41	41	37	35	32	30	28	24
5	69	58	50	45	63	53	47	42	45	40	36	37	33	30	30	27	25	22
6	64	52	44	39	58	48	41	37	41	36	32	34	30	27	27	24	22	20
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	18
8	55	43	36	31	50	40	33	29	34	29	25	28	25	22	23	20	18	16
9	51	39	32	28	47	37	30	26	31	26	23	26	23	20	22	19	17	15
10	48	36	29	25	44	34	28	24	29	24	21	24	21	18	20	17	16	14

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

	0°	90°	180°	270°
0°	16356	16356	16356	16356
5°	18266	16459	14593	16459
10°	20266	16342	12650	16342
15°	21264	16104	9967	16104
20°	18433	15747	8624	15747
25°	12089	15262	7701	15262
30°	8138	14673	6969	14673
35°	6591	13931	6286	13931
40°	5861	13122	5817	13122
45°	5304	12177	5190	12177
50°	4828	11235	4808	11235
55°	4538	10196	4479	10196
60°	3794	9242	3749	9242
65°	3202	8390	3629	8390
70°	2960	7492	3423	7492
75°	2770	6519	3163	6519
80°	2548	5365	2817	5365
85°	2334	4242	2482	4242



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	2.3
10°-20°	267.6	6.4
20°-30°	344.8	8.2
30°-40°	327.7	7.8
40°-50°	280.7	6.7
50°-60°	213.8	5.1
60°-70°	135.1	3.2
70°-80°	67.5	1.6
80°-90°	21.0	0.5
90°-100°	55.3	1.3
100°-110°	171.8	4.1
110°-120°	293.7	7.0
120°-130°	386.2	9.2
130°-140°	433.5	10.3
140°-150°	425.0	10.1
150°-160°	356.5	8.5
160°-170°	236.5	5.6
170°-180°	82.6	2.0
0°-30°	708.4	16.9
0°-40°	1036.1	24.7
0°-60°	1530.5	36.5
0°-90°	1754.2	41.8
90°-120°	520.8	12.4
90°-150°	1765.5	42.1
90°-180°	2441.0	58.2
0°-180°	4195.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1013	1013	1013	1013	1013	
5°	1127	1016	900	1016	1127	111
15°	1272	963	596	963	1272	343
25°	679	857	432	857	679	322
35°	334	707	319	707	334	214
45°	232	533	227	533	232	180
55°	161	362	159	362	161	141
65°	84	220	95	220	84	85
75°	44	104	51	104	44	47
85°	13	23	13	23	13	14
90°	25	1	25	1	25	11
95°	46	38	46	38	46	51
105°	164	158	164	158	164	172
115°	295	295	295	295	295	291
125°	430	429	430	429	430	384
135°	561	555	561	555	561	432
145°	681	673	681	673	681	425
155°	776	770	776	770	776	357
165°	838	838	838	838	838	236
175°	869	872	869	872	869	83
180°	873	873	873	873	873	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1054.1	1055.0	1055.8	1053.9	1053.9	1052.2	1048.5	1045.7	1037.7	1036.6	1036.6
5°	1127.0	1126.3	1127.8	1123.1	1116.8	1115.4	1108.7	1099.9	1090.8	1080.5	1078.5
7.5°	1199.6	1198.5	1195.7	1194.9	1190.1	1179.4	1168.7	1157.2	1142.0	1127.1	1119.6
10°	1236.1	1247.7	1240.8	1228.4	1230.9	1214.4	1205.5	1190.4	1177.7	1155.6	1150.7
12.5°	1272.1	1276.8	1274.5	1267.5	1264.4	1252.9	1241.0	1227.9	1204.5	1184.6	1167.2
15°	1272.1	1278.7	1280.5	1278.4	1280.2	1279.4	1273.1	1262.2	1241.8	1219.9	1201.0
17.5°	1178.2	1182.8	1194.3	1202.1	1212.0	1232.8	1243.1	1247.2	1244.1	1231.6	1218.2
20°	1072.8	1065.1	1097.5	1114.0	1128.1	1163.3	1193.5	1205.1	1223.8	1223.5	1219.9
22.5°	923.6	925.4	956.1	975.7	1016.9	1052.1	1086.6	1130.3	1166.4	1190.2	1204.2
25°	678.6	692.0	722.6	749.3	795.1	860.6	920.1	989.1	1054.1	1105.6	1154.5
27.5°	509.6	510.7	534.9	559.7	586.8	640.5	715.4	797.8	890.6	967.1	1055.3
30°	436.5	434.3	444.6	459.7	483.0	524.4	580.8	661.8	754.3	869.8	972.5
32.5°	384.7	384.7	392.5	403.7	422.9	450.9	489.6	555.3	642.8	756.3	876.8
35°	334.4	334.0	339.7	347.8	355.8	373.8	400.2	434.7	494.9	600.9	724.1
37.5°	298.3	299.9	302.7	307.7	316.6	326.6	342.5	365.6	408.5	471.2	574.7
40°	278.1	278.8	282.7	286.9	292.2	299.9	312.9	331.6	362.9	412.8	488.5
42.5°	259.5	260.1	263.0	266.8	271.0	278.8	289.5	305.7	331.1	370.0	432.5
45°	232.3	232.3	234.8	236.5	241.1	248.2	256.9	270.3	287.9	316.8	358.4
47.5°	206.8	206.9	208.5	211.5	214.4	219.9	228.6	239.5	252.3	274.7	310.1
50°	192.2	192.6	193.6	196.0	197.8	202.7	209.4	219.0	232.3	249.6	279.1
52.5°	180.3	180.1	181.4	182.6	183.7	187.3	192.3	200.7	212.6	227.6	252.1
55°	161.2	159.8	161.9	163.6	164.8	166.2	168.9	174.3	184.5	197.1	215.4
57.5°	137.2	136.7	138.2	139.8	143.1	146.9	149.3	152.7	158.0	167.0	185.2
60°	117.5	117.5	120.7	121.8	125.6	130.5	135.5	138.4	143.6	149.6	163.0
62.5°	100.1	100.4	101.9	102.9	105.1	111.1	118.1	124.2	129.2	135.0	143.8
65°	83.8	84.5	84.5	85.2	86.6	88.0	90.8	95.8	104.5	112.6	119.3
67.5°	71.1	71.4	71.5	72.2	72.6	74.1	75.2	77.5	79.5	87.2	95.5
70°	62.7	63.7	63.3	64.1	64.4	65.1	66.5	67.6	70.8	72.5	77.5
72.5°	54.8	55.5	55.5	55.9	56.8	56.9	58.1	59.1	61.2	62.7	65.3
75°	44.4	44.0	44.4	45.1	45.4	45.7	45.7	47.1	48.3	49.7	51.4
77.5°	34.2	34.6	34.5	34.6	34.6	35.3	35.2	35.8	36.9	37.6	38.5
80°	27.4	27.8	27.4	27.8	28.2	28.5	28.2	28.5	29.6	30.3	30.3
82.5°	21.3	21.3	21.6	21.6	21.7	21.8	22.2	22.3	23.1	22.9	23.2
85°	12.6	12.3	12.3	12.3	12.6	13.0	12.6	12.6	13.0	13.0	13.0
87.5°	9.5	9.8	9.7	9.7	9.7	9.7	9.7	10.1	9.9	10.2	9.2
90°	25.1	24.9	24.7	24.6	24.4	24.5	24.8	25.2	25.4	25.8	22.1
92.5°	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.6	23.5	23.5	22.6
95°	45.7	46.0	46.4	46.7	47.0	47.1	47.1	47.1	47.1	47.1	46.8
97.5°	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	78.6
100°	100.9	101.1	101.2	101.4	101.6	101.7	101.7	101.7	101.7	101.7	101.1
102.5°	125.6	125.8	126.0	126.2	126.3	126.4	126.2	126.1	125.9	125.8	125.2
105°	163.5	163.5	163.5	163.5	163.5	163.4	163.1	162.8	162.4	162.1	161.7
107.5°	199.3	200.0	200.8	201.5	202.3	202.6	202.4	202.3	202.2	202.0	202.0
110°	226.9	227.4	227.9	228.4	228.8	229.1	229.1	229.1	229.1	229.1	229.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	253.4	253.8	254.1	254.5	254.9	255.2	255.6	256.0	256.5	256.8	256.9
115°	294.7	295.2	295.7	296.1	296.6	297.0	297.2	297.3	297.5	297.7	297.9
117.5°	334.0	334.5	335.0	335.5	336.0	336.4	336.9	337.2	337.6	338.0	338.9
120°	361.7	362.2	362.7	363.2	363.7	363.9	363.9	363.9	363.9	363.9	365.2
122.5°	388.9	389.2	389.6	389.9	390.3	390.7	391.1	391.4	391.8	392.2	393.1
125°	430.3	430.5	430.6	430.7	430.9	431.2	431.7	432.3	432.7	433.2	433.7
127.5°	468.0	468.5	469.0	469.6	470.0	470.6	471.2	471.8	472.4	473.0	473.5
130°	495.1	495.8	496.4	497.0	497.7	498.2	498.5	498.9	499.2	499.5	499.8
132.5°	521.0	521.5	522.1	522.5	523.1	523.8	524.4	525.2	525.9	526.6	526.5
135°	561.4	561.8	562.4	562.9	563.4	563.6	563.8	564.0	564.2	564.3	564.0
137.5°	597.9	598.6	599.3	599.9	600.6	601.0	601.1	601.2	601.3	601.4	601.1
140°	623.3	624.0	624.6	625.3	625.8	626.2	626.2	626.2	626.2	626.2	625.4
142.5°	646.3	647.0	647.5	648.2	648.8	649.1	649.0	648.8	648.8	648.7	648.1
145°	680.7	681.4	682.0	682.7	683.3	683.6	683.4	683.2	683.2	683.0	681.9
147.5°	711.5	712.2	712.8	713.4	714.1	714.2	713.8	713.4	713.0	712.8	712.1
150°	731.6	732.1	732.5	733.0	733.6	733.6	733.0	732.5	732.1	731.6	730.9
152.5°	750.5	751.0	751.7	752.3	752.9	752.9	752.3	751.7	751.0	750.5	749.6
155°	775.8	776.3	776.7	777.2	777.8	777.6	776.7	775.9	775.1	774.3	773.8
157.5°	797.6	798.3	799.2	799.9	800.7	800.6	799.5	798.3	797.2	796.1	795.8
160°	811.2	811.8	812.5	813.1	813.8	813.6	812.7	811.6	810.7	809.6	809.5
162.5°	822.9	823.7	824.5	825.3	826.0	826.0	824.8	823.7	822.6	821.4	821.3
165°	838.4	839.2	840.0	840.8	841.7	841.5	840.4	839.2	838.1	836.9	836.9
167.5°	851.1	852.0	852.8	853.7	854.5	854.3	853.2	852.1	850.9	849.7	849.8
170°	857.5	858.6	859.5	860.5	861.5	861.4	860.3	859.1	858.0	856.8	857.0
172.5°	862.9	863.8	864.8	865.8	866.8	866.7	865.5	864.4	863.3	862.1	862.3
175°	868.6	869.6	870.5	871.6	872.5	872.4	871.3	870.2	869.0	867.9	868.2
177.5°	871.3	872.0	872.8	873.6	874.4	874.4	873.6	872.8	872.0	871.3	871.5
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1037.2	1035.0	1033.0	1027.9	1025.4	1019.7	1018.9	1018.6	1011.3	1004.3	1002.3
5°	1072.8	1067.2	1058.8	1048.9	1038.7	1028.1	1021.1	1015.5	1001.4	988.0	980.2
7.5°	1108.7	1096.6	1082.0	1063.4	1047.8	1030.4	1017.5	1005.8	985.8	966.7	953.8
10°	1135.5	1115.8	1096.5	1070.7	1050.7	1031.0	1012.7	996.8	974.3	949.0	930.9
12.5°	1152.1	1130.4	1103.7	1078.6	1052.6	1027.6	1003.1	982.7	956.3	930.1	908.7
15°	1174.6	1151.3	1119.0	1083.1	1049.6	1016.9	988.7	963.4	928.9	897.6	871.5
17.5°	1193.0	1160.9	1126.1	1084.7	1045.9	1004.4	968.1	935.7	897.3	859.5	828.9
20°	1198.8	1167.2	1127.0	1085.5	1039.7	990.8	951.8	916.5	875.3	834.2	799.0
22.5°	1195.1	1170.5	1125.9	1076.2	1029.4	978.2	934.1	893.2	847.5	805.5	764.7
25°	1170.4	1161.9	1119.6	1065.5	1011.9	952.4	901.4	856.7	804.6	759.6	715.2
27.5°	1112.4	1130.7	1104.5	1046.7	987.2	923.4	866.1	815.2	761.1	710.4	666.2
30°	1056.7	1098.5	1087.2	1033.8	967.2	904.6	840.2	787.0	729.3	677.2	633.6
32.5°	980.3	1049.5	1060.5	1015.8	947.0	878.1	810.6	757.7	697.5	642.5	600.0
35°	858.8	962.3	1009.8	981.3	912.3	838.1	768.4	706.8	646.2	592.0	549.8
37.5°	713.9	854.8	934.1	936.0	872.7	795.5	719.6	658.5	596.4	543.3	497.6
40°	619.8	772.6	875.7	898.6	845.1	761.7	684.9	622.6	562.1	510.0	457.6
42.5°	535.4	687.6	814.4	854.1	811.6	728.8	651.8	586.6	527.7	478.4	424.9
45°	432.9	566.0	705.7	776.8	753.3	676.5	595.2	533.3	478.0	435.4	384.0
47.5°	365.2	459.0	594.2	690.4	689.9	619.9	540.0	480.6	429.3	389.5	347.8
50°	326.6	408.3	522.7	631.8	640.9	582.2	506.1	447.3	399.5	357.6	324.1
52.5°	292.0	359.3	462.1	566.8	592.8	541.9	468.2	413.9	367.4	328.9	300.2
55°	246.8	298.8	377.0	474.9	514.3	478.3	412.8	362.2	324.5	292.2	267.5
57.5°	208.7	247.8	310.5	389.3	435.2	412.6	358.6	317.4	285.2	255.9	236.5
60°	184.8	216.8	269.9	335.8	386.4	370.6	324.5	286.2	258.7	233.4	215.1
62.5°	162.3	189.8	235.4	288.8	335.3	328.7	291.1	258.8	234.8	211.7	196.2
65°	130.5	150.6	186.2	228.1	265.4	268.5	241.5	219.6	198.1	179.8	166.2
67.5°	104.0	117.1	142.1	177.4	205.4	215.4	198.8	182.1	165.0	150.9	139.0
70°	87.7	98.2	116.5	145.1	170.7	181.3	171.7	158.7	143.9	132.3	122.2
72.5°	71.1	81.3	94.8	115.7	137.8	149.2	145.9	136.5	124.5	114.9	105.3
75°	53.5	56.6	65.8	79.9	97.2	107.0	109.4	104.5	95.0	87.7	82.0
77.5°	39.6	41.5	45.8	53.3	64.5	73.2	76.9	76.3	69.7	65.5	60.2
80°	31.7	32.7	34.9	38.0	46.5	55.2	57.7	57.7	53.2	51.4	46.1
82.5°	24.0	24.9	26.1	27.9	31.9	39.5	42.2	42.8	39.9	37.6	33.5
85°	13.8	13.4	14.0	15.2	15.8	17.9	22.1	22.9	22.1	19.3	18.3
87.5°	8.5	8.1	7.4	6.5	6.4	6.3	7.3	8.3	7.5	7.2	7.0
90°	18.6	15.0	11.4	8.6	6.6	4.7	2.7	0.8	2.7	4.7	6.6
92.5°	21.7	20.8	20.0	18.9	17.4	16.0	14.5	13.1	14.5	16.0	17.4
95°	46.5	46.2	45.8	44.9	43.3	41.6	40.0	38.3	40.0	41.6	43.3
97.5°	78.0	77.4	76.8	75.8	74.3	72.9	71.4	70.0	71.4	72.9	74.3
100°	100.7	100.2	99.7	98.8	97.5	96.1	94.9	93.6	94.9	96.1	97.5
102.5°	124.6	123.9	123.4	122.5	121.5	120.5	119.3	118.3	119.3	120.5	121.5
105°	161.5	161.1	160.8	160.3	159.9	159.4	158.9	158.4	158.9	159.4	159.9
107.5°	202.0	202.0	202.0	201.6	201.0	200.2	199.5	198.8	199.5	200.2	201.0
110°	229.1	229.1	229.1	228.7	227.6	226.7	225.6	224.7	225.6	226.7	227.6





TEST NUMBER: P331658-830

CATALOG NUMBER: S122RDIP-S485D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	257.1	257.2	257.3	256.9	255.9	255.0	254.0	253.0	254.0	255.0	255.9
115°	298.3	298.6	299.0	298.6	297.7	296.6	295.7	294.7	295.7	296.6	297.7
117.5°	339.9	340.7	341.7	341.5	340.2	338.8	337.5	336.2	337.5	338.8	340.2
120°	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9	365.2	366.6	367.9
122.5°	394.1	395.0	395.9	395.6	394.0	392.5	390.9	389.3	390.9	392.5	394.0
125°	434.1	434.7	435.2	434.7	433.2	431.7	430.3	428.8	430.3	431.7	433.2
127.5°	474.2	474.8	475.3	474.7	472.9	471.0	469.1	467.2	469.1	471.0	472.9
130°	500.1	500.5	500.8	499.9	497.8	495.7	493.5	491.4	493.5	495.7	497.8
132.5°	526.5	526.4	526.3	525.5	523.7	522.0	520.3	518.5	520.3	522.0	523.7
135°	563.6	563.4	563.0	561.9	560.2	558.4	556.6	554.8	556.6	558.4	560.2
137.5°	600.6	600.2	599.7	598.8	597.4	595.9	594.4	593.0	594.4	595.9	597.4
140°	624.6	623.8	622.9	621.8	620.3	618.9	617.4	616.0	617.4	618.9	620.3
142.5°	647.5	647.0	646.4	645.4	643.9	642.4	640.9	639.5	640.9	642.4	643.9
145°	681.0	680.0	679.0	678.0	676.8	675.7	674.5	673.4	674.5	675.7	676.8
147.5°	711.4	710.8	710.1	709.1	707.7	706.3	704.9	703.6	704.9	706.3	707.7
150°	730.3	729.6	729.0	728.1	727.2	726.1	725.2	724.2	725.2	726.1	727.2
152.5°	748.9	748.1	747.2	746.4	745.5	744.4	743.5	742.4	743.5	744.4	745.5
155°	773.4	772.8	772.3	771.8	771.4	770.9	770.3	769.9	770.3	770.9	771.4
157.5°	795.5	795.2	794.9	794.7	794.3	794.0	793.6	793.3	793.6	794.0	794.3
160°	809.4	809.2	809.0	808.8	808.4	808.1	807.8	807.5	807.8	808.1	808.4
162.5°	821.1	821.0	820.8	820.7	820.6	820.6	820.5	820.4	820.5	820.6	820.6
165°	836.9	836.9	836.9	837.0	837.2	837.4	837.5	837.6	837.5	837.4	837.2
167.5°	849.8	849.9	849.9	850.2	850.6	851.1	851.6	852.1	851.6	851.1	850.6
170°	857.1	857.3	857.4	857.8	858.3	858.8	859.3	859.8	859.3	858.8	858.3
172.5°	862.4	862.6	862.8	863.1	863.6	864.1	864.6	865.1	864.6	864.1	863.6
175°	868.6	868.8	869.2	869.6	870.1	870.5	871.1	871.6	871.1	870.5	870.1
177.5°	871.8	872.0	872.3	872.6	873.0	873.5	873.8	874.2	873.8	873.5	873.0
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331658-830

CATALOG NUMBER: S122RDIP-S485D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	998.6	996.6	993.0	987.4	984.0	978.1	974.1	976.4	976.9	976.4	975.8
5°	971.9	964.4	954.2	944.3	935.2	925.4	919.7	917.3	912.3	909.6	908.1
7.5°	939.3	926.6	912.2	895.0	880.4	865.2	857.3	853.5	843.4	837.9	833.1
10°	915.1	895.0	880.6	858.1	844.4	824.3	810.6	811.0	797.2	789.5	783.8
12.5°	888.4	866.4	842.4	822.1	803.0	786.9	770.3	763.6	749.0	741.6	726.4
15°	844.0	818.3	793.1	765.5	746.2	721.2	697.3	668.1	644.5	624.1	618.4
17.5°	795.6	763.8	738.4	706.2	673.0	630.9	603.2	586.3	572.0	561.3	553.3
20°	762.4	730.0	702.9	654.3	609.6	581.1	560.7	547.7	532.9	521.3	514.9
22.5°	727.5	693.7	656.8	602.5	567.7	544.8	526.6	511.6	501.6	492.6	486.8
25°	677.9	640.9	580.0	542.7	514.6	490.7	478.0	468.8	458.3	445.9	440.4
27.5°	625.6	566.8	523.0	495.3	468.4	452.9	441.5	427.8	418.4	412.8	407.0
30°	586.4	527.6	493.5	463.2	444.2	427.0	413.6	405.9	396.7	387.2	383.3
32.5°	542.7	495.8	463.1	437.9	418.6	403.9	393.3	380.8	374.2	368.3	360.2
35°	488.5	453.0	423.1	402.7	384.4	372.4	360.1	352.7	340.7	335.8	332.6
37.5°	442.6	411.8	389.5	368.0	353.5	340.3	332.7	320.9	315.8	308.9	302.2
40°	416.7	386.4	365.0	347.4	331.2	321.3	311.9	302.4	294.6	291.4	283.3
42.5°	390.3	365.6	344.1	324.9	314.1	303.6	291.6	284.6	276.5	271.5	266.5
45°	353.7	332.0	313.6	297.7	285.8	274.9	267.1	255.5	251.0	240.7	236.5
47.5°	321.6	301.3	283.9	268.8	257.1	250.1	238.7	229.6	222.3	216.0	210.7
50°	298.8	281.9	265.0	251.7	241.1	230.9	219.3	214.7	203.4	200.3	197.1
52.5°	278.0	261.9	246.5	233.4	222.8	212.9	202.6	196.7	189.1	185.9	183.6
55°	248.8	233.4	218.6	207.0	196.4	186.2	179.8	172.5	168.9	166.5	163.6
57.5°	219.5	205.7	194.3	182.6	171.9	163.8	156.5	152.0	148.4	145.2	141.8
60°	201.0	187.6	177.4	166.5	155.6	148.9	143.3	138.0	133.7	128.8	127.4
62.5°	181.3	169.6	160.2	149.6	140.1	133.9	128.7	123.7	118.6	111.4	109.4
65°	154.2	145.1	135.2	126.4	117.9	112.0	104.2	98.6	96.4	95.8	95.4
67.5°	129.7	121.0	112.5	103.6	95.9	90.3	86.3	85.5	84.1	83.6	82.7
70°	113.3	105.3	96.8	88.3	81.0	79.9	78.5	77.1	75.3	74.6	73.9
72.5°	98.7	90.3	81.9	75.1	71.9	70.6	69.2	67.8	66.6	65.9	65.5
75°	75.7	68.0	62.3	59.9	58.1	57.0	55.0	53.8	53.2	52.1	51.7
77.5°	54.5	50.1	47.5	46.0	44.1	43.0	41.8	40.7	40.0	39.8	39.2
80°	41.6	39.4	37.7	35.5	34.9	33.5	33.1	32.0	32.4	31.3	31.3
82.5°	32.2	29.6	28.1	27.1	26.4	25.3	24.9	24.4	24.5	23.8	23.8
85°	16.6	15.8	15.2	14.4	14.4	13.4	13.8	13.4	13.4	12.6	12.3
87.5°	7.1	7.4	7.5	8.2	9.0	9.4	9.3	9.0	8.9	8.9	8.6
90°	8.6	11.4	15.0	18.6	22.1	25.8	25.4	25.2	24.8	24.5	24.4
92.5°	18.9	20.0	20.8	21.7	22.6	23.5	23.5	23.6	23.7	23.7	23.8
95°	44.9	45.8	46.2	46.5	46.8	47.1	47.1	47.1	47.1	47.1	47.0
97.5°	75.8	76.8	77.4	78.0	78.6	79.3	79.3	79.3	79.3	79.3	79.3
100°	98.8	99.7	100.2	100.7	101.1	101.7	101.7	101.7	101.7	101.7	101.6
102.5°	122.5	123.4	123.9	124.6	125.2	125.8	125.9	126.1	126.2	126.4	126.3
105°	160.3	160.8	161.1	161.5	161.7	162.1	162.4	162.8	163.1	163.4	163.5
107.5°	201.6	202.0	202.0	202.0	202.0	202.0	202.2	202.3	202.4	202.6	202.3
110°	228.7	229.1	229.1	229.1	229.1	229.1	229.1	229.1	229.1	229.1	228.8



TEST NUMBER: P331658-830

CATALOG NUMBER: S122RDIP-S485D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	256.9	257.3	257.2	257.1	256.9	256.8	256.5	256.0	255.6	255.2	254.9
115°	298.6	299.0	298.6	298.3	297.9	297.7	297.5	297.3	297.2	297.0	296.6
117.5°	341.5	341.7	340.7	339.9	338.9	338.0	337.6	337.2	336.9	336.4	336.0
120°	369.2	369.2	367.9	366.6	365.2	363.9	363.9	363.9	363.9	363.9	363.7
122.5°	395.6	395.9	395.0	394.1	393.1	392.2	391.8	391.4	391.1	390.7	390.3
125°	434.7	435.2	434.7	434.1	433.7	433.2	432.7	432.3	431.7	431.2	430.9
127.5°	474.7	475.3	474.8	474.2	473.5	473.0	472.4	471.8	471.2	470.6	470.0
130°	499.9	500.8	500.5	500.1	499.8	499.5	499.2	498.9	498.5	498.2	497.7
132.5°	525.5	526.3	526.4	526.5	526.5	526.6	525.9	525.2	524.4	523.8	523.1
135°	561.9	563.0	563.4	563.6	564.0	564.3	564.2	564.0	563.8	563.6	563.4
137.5°	598.8	599.7	600.2	600.6	601.1	601.4	601.3	601.2	601.1	601.0	600.6
140°	621.8	622.9	623.8	624.6	625.4	626.2	626.2	626.2	626.2	626.2	625.8
142.5°	645.4	646.4	647.0	647.5	648.1	648.7	648.8	648.8	649.0	649.1	648.8
145°	678.0	679.0	680.0	681.0	681.9	683.0	683.2	683.2	683.4	683.6	683.3
147.5°	709.1	710.1	710.8	711.4	712.1	712.8	713.0	713.4	713.8	714.2	714.1
150°	728.1	729.0	729.6	730.3	730.9	731.6	732.1	732.5	733.0	733.6	733.6
152.5°	746.4	747.2	748.1	748.9	749.6	750.5	751.0	751.7	752.3	752.9	752.9
155°	771.8	772.3	772.8	773.4	773.8	774.3	775.1	775.9	776.7	777.6	777.8
157.5°	794.7	794.9	795.2	795.5	795.8	796.1	797.2	798.3	799.5	800.6	800.7
160°	808.8	809.0	809.2	809.4	809.5	809.6	810.7	811.6	812.7	813.6	813.8
162.5°	820.7	820.8	821.0	821.1	821.3	821.4	822.6	823.7	824.8	826.0	826.0
165°	837.0	836.9	836.9	836.9	836.9	836.9	838.1	839.2	840.4	841.5	841.7
167.5°	850.2	849.9	849.9	849.8	849.8	849.7	850.9	852.1	853.2	854.3	854.5
170°	857.8	857.4	857.3	857.1	857.0	856.8	858.0	859.1	860.3	861.4	861.5
172.5°	863.1	862.8	862.6	862.4	862.3	862.1	863.3	864.4	865.5	866.7	866.8
175°	869.6	869.2	868.8	868.6	868.2	867.9	869.0	870.2	871.3	872.4	872.5
177.5°	872.6	872.3	872.0	871.8	871.5	871.3	872.0	872.8	873.6	874.4	874.4
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331658-830

CATALOG NUMBER: S122RDIP-S485D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	972.7	973.3	972.4	973.0	972.4	973.3	972.7	975.8	976.4	976.9	976.4
5°	906.3	902.1	901.4	900.4	901.4	902.1	906.3	908.1	909.6	912.3	917.3
7.5°	827.1	826.4	824.7	822.2	824.7	826.4	827.1	833.1	837.9	843.4	853.5
10°	776.1	774.4	774.0	771.6	774.0	774.4	776.1	783.8	789.5	797.2	811.0
12.5°	716.4	705.1	703.9	697.8	703.9	705.1	716.4	726.4	741.6	749.0	763.6
15°	610.0	607.8	600.9	596.3	600.9	607.8	610.0	618.4	624.1	644.5	668.1
17.5°	549.1	542.2	540.1	539.1	540.1	542.2	549.1	553.3	561.3	572.0	586.3
20°	510.0	503.7	502.7	501.9	502.7	503.7	510.0	514.9	521.3	532.9	547.7
22.5°	483.0	476.4	473.6	471.6	473.6	476.4	483.0	486.8	492.6	501.6	511.6
25°	436.8	434.3	432.9	432.3	432.9	434.3	436.8	440.4	445.9	458.3	468.8
27.5°	400.7	395.3	394.2	392.4	394.2	395.3	400.7	407.0	412.8	418.4	427.8
30°	380.1	378.3	375.9	373.8	375.9	378.3	380.1	383.3	387.2	396.7	405.9
32.5°	355.9	354.5	352.2	351.3	352.2	354.5	355.9	360.2	368.3	374.2	380.8
35°	329.1	324.1	322.1	318.9	322.1	324.1	329.1	332.6	335.8	340.7	352.7
37.5°	300.8	298.1	295.2	296.2	295.2	298.1	300.8	302.2	308.9	315.8	320.9
40°	278.8	277.0	276.3	276.0	276.3	277.0	278.8	283.3	291.4	294.6	302.4
42.5°	261.3	256.5	254.6	254.6	254.6	256.5	261.3	266.5	271.5	276.5	284.6
45°	234.8	230.2	227.1	227.3	227.1	230.2	234.8	236.5	240.7	251.0	255.5
47.5°	207.6	207.5	205.5	206.1	205.5	207.5	207.6	210.7	216.0	222.3	229.6
50°	194.6	192.6	191.1	191.4	191.1	192.6	194.6	197.1	200.3	203.4	214.7
52.5°	182.3	180.4	179.3	180.8	179.3	180.4	182.3	183.6	185.9	189.1	196.7
55°	161.9	159.8	159.5	159.1	159.5	159.8	161.9	163.6	166.5	168.9	172.5
57.5°	139.2	137.8	135.6	134.8	135.6	137.8	139.2	141.8	145.2	148.4	152.0
60°	122.8	120.0	116.5	116.1	116.5	120.0	122.8	127.4	128.8	133.7	138.0
62.5°	107.9	107.4	106.7	106.6	106.7	107.4	107.9	109.4	111.4	118.6	123.7
65°	94.7	94.3	94.7	95.0	94.7	94.3	94.7	95.4	95.8	96.4	98.6
67.5°	82.5	81.9	81.2	81.5	81.2	81.9	82.5	82.7	83.6	84.1	85.5
70°	73.2	72.9	72.5	72.5	72.5	72.9	73.2	73.9	74.6	75.3	77.1
72.5°	64.2	64.1	63.8	63.5	63.8	64.1	64.2	65.5	65.9	66.6	67.8
75°	51.4	50.7	50.7	50.7	50.7	50.7	51.4	51.7	52.1	53.2	53.8
77.5°	39.1	38.8	38.5	38.2	38.5	38.8	39.1	39.2	39.8	40.0	40.7
80°	31.0	30.6	30.3	30.3	30.3	30.6	31.0	31.3	31.3	32.4	32.0
82.5°	23.7	23.3	23.2	22.9	23.2	23.3	23.7	23.8	23.8	24.5	24.4
85°	12.6	13.0	12.6	13.4	12.6	13.0	12.6	12.3	12.6	13.4	13.4
87.5°	8.6	8.3	8.7	8.4	8.7	8.3	8.6	8.6	8.9	8.9	9.0
90°	24.6	24.7	24.9	25.1	24.9	24.7	24.6	24.4	24.5	24.8	25.2
92.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.6
95°	46.7	46.4	46.0	45.7	46.0	46.4	46.7	47.0	47.1	47.1	47.1
97.5°	79.3	79.2	79.2	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3
100°	101.4	101.2	101.1	100.9	101.1	101.2	101.4	101.6	101.7	101.7	101.7
102.5°	126.2	126.0	125.8	125.6	125.8	126.0	126.2	126.3	126.4	126.2	126.1
105°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.4	163.1	162.8
107.5°	201.5	200.8	200.0	199.3	200.0	200.8	201.5	202.3	202.6	202.4	202.3
110°	228.4	227.9	227.4	226.9	227.4	227.9	228.4	228.8	229.1	229.1	229.1



TEST NUMBER: P331658-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	254.5	254.1	253.8	253.4	253.8	254.1	254.5	254.9	255.2	255.6	256.0
115°	296.1	295.7	295.2	294.7	295.2	295.7	296.1	296.6	297.0	297.2	297.3
117.5°	335.5	335.0	334.5	334.0	334.5	335.0	335.5	336.0	336.4	336.9	337.2
120°	363.2	362.7	362.2	361.7	362.2	362.7	363.2	363.7	363.9	363.9	363.9
122.5°	389.9	389.6	389.2	388.9	389.2	389.6	389.9	390.3	390.7	391.1	391.4
125°	430.7	430.6	430.5	430.3	430.5	430.6	430.7	430.9	431.2	431.7	432.3
127.5°	469.6	469.0	468.5	468.0	468.5	469.0	469.6	470.0	470.6	471.2	471.8
130°	497.0	496.4	495.8	495.1	495.8	496.4	497.0	497.7	498.2	498.5	498.9
132.5°	522.5	522.1	521.5	521.0	521.5	522.1	522.5	523.1	523.8	524.4	525.2
135°	562.9	562.4	561.8	561.4	561.8	562.4	562.9	563.4	563.6	563.8	564.0
137.5°	599.9	599.3	598.6	597.9	598.6	599.3	599.9	600.6	601.0	601.1	601.2
140°	625.3	624.6	624.0	623.3	624.0	624.6	625.3	625.8	626.2	626.2	626.2
142.5°	648.2	647.5	647.0	646.3	647.0	647.5	648.2	648.8	649.1	649.0	648.8
145°	682.7	682.0	681.4	680.7	681.4	682.0	682.7	683.3	683.6	683.4	683.2
147.5°	713.4	712.8	712.2	711.5	712.2	712.8	713.4	714.1	714.2	713.8	713.4
150°	733.0	732.5	732.1	731.6	732.1	732.5	733.0	733.6	733.6	733.0	732.5
152.5°	752.3	751.7	751.0	750.5	751.0	751.7	752.3	752.9	752.9	752.3	751.7
155°	777.2	776.7	776.3	775.8	776.3	776.7	777.2	777.8	777.6	776.7	775.9
157.5°	799.9	799.2	798.3	797.6	798.3	799.2	799.9	800.7	800.6	799.5	798.3
160°	813.1	812.5	811.8	811.2	811.8	812.5	813.1	813.8	813.6	812.7	811.6
162.5°	825.3	824.5	823.7	822.9	823.7	824.5	825.3	826.0	826.0	824.8	823.7
165°	840.8	840.0	839.2	838.4	839.2	840.0	840.8	841.7	841.5	840.4	839.2
167.5°	853.7	852.8	852.0	851.1	852.0	852.8	853.7	854.5	854.3	853.2	852.1
170°	860.5	859.5	858.6	857.5	858.6	859.5	860.5	861.5	861.4	860.3	859.1
172.5°	865.8	864.8	863.8	862.9	863.8	864.8	865.8	866.8	866.7	865.5	864.4
175°	871.6	870.5	869.6	868.6	869.6	870.5	871.6	872.5	872.4	871.3	870.2
177.5°	873.6	872.8	872.0	871.3	872.0	872.8	873.6	874.4	874.4	873.6	872.8
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



TEST NUMBER: P331658-830

CATALOG NUMBER: S122RDIP-S485D725U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	974.1	978.1	984.0	987.4	993.0	996.6	998.6	1002.3	1004.3	1011.3	1018.6
5°	919.7	925.4	935.2	944.3	954.2	964.4	971.9	980.2	988.0	1001.4	1015.5
7.5°	857.3	865.2	880.4	895.0	912.2	926.6	939.3	953.8	966.7	985.8	1005.8
10°	810.6	824.3	844.4	858.1	880.6	895.0	915.1	930.9	949.0	974.3	996.8
12.5°	770.3	786.9	803.0	822.1	842.4	866.4	888.4	908.7	930.1	956.3	982.7
15°	697.3	721.2	746.2	765.5	793.1	818.3	844.0	871.5	897.6	928.9	963.4
17.5°	603.2	630.9	673.0	706.2	738.4	763.8	795.6	828.9	859.5	897.3	935.7
20°	560.7	581.1	609.6	654.3	702.9	730.0	762.4	799.0	834.2	875.3	916.5
22.5°	526.6	544.8	567.7	602.5	656.8	693.7	727.5	764.7	805.5	847.5	893.2
25°	478.0	490.7	514.6	542.7	580.0	640.9	677.9	715.2	759.6	804.6	856.7
27.5°	441.5	452.9	468.4	495.3	523.0	566.8	625.6	666.2	710.4	761.1	815.2
30°	413.6	427.0	444.2	463.2	493.5	527.6	586.4	633.6	677.2	729.3	787.0
32.5°	393.3	403.9	418.6	437.9	463.1	495.8	542.7	600.0	642.5	697.5	757.7
35°	360.1	372.4	384.4	402.7	423.1	453.0	488.5	549.8	592.0	646.2	706.8
37.5°	332.7	340.3	353.5	368.0	389.5	411.8	442.6	497.6	543.3	596.4	658.5
40°	311.9	321.3	331.2	347.4	365.0	386.4	416.7	457.6	510.0	562.1	622.6
42.5°	291.6	303.6	314.1	324.9	344.1	365.6	390.3	424.9	478.4	527.7	586.6
45°	267.1	274.9	285.8	297.7	313.6	332.0	353.7	384.0	435.4	478.0	533.3
47.5°	238.7	250.1	257.1	268.8	283.9	301.3	321.6	347.8	389.5	429.3	480.6
50°	219.3	230.9	241.1	251.7	265.0	281.9	298.8	324.1	357.6	399.5	447.3
52.5°	202.6	212.9	222.8	233.4	246.5	261.9	278.0	300.2	328.9	367.4	413.9
55°	179.8	186.2	196.4	207.0	218.6	233.4	248.8	267.5	292.2	324.5	362.2
57.5°	156.5	163.8	171.9	182.6	194.3	205.7	219.5	236.5	255.9	285.2	317.4
60°	143.3	148.9	155.6	166.5	177.4	187.6	201.0	215.1	233.4	258.7	286.2
62.5°	128.7	133.9	140.1	149.6	160.2	169.6	181.3	196.2	211.7	234.8	258.8
65°	104.2	112.0	117.9	126.4	135.2	145.1	154.2	166.2	179.8	198.1	219.6
67.5°	86.3	90.3	95.9	103.6	112.5	121.0	129.7	139.0	150.9	165.0	182.1
70°	78.5	79.9	81.0	88.3	96.8	105.3	113.3	122.2	132.3	143.9	158.7
72.5°	69.2	70.6	71.9	75.1	81.9	90.3	98.7	105.3	114.9	124.5	136.5
75°	55.0	57.0	58.1	59.9	62.3	68.0	75.7	82.0	87.7	95.0	104.5
77.5°	41.8	43.0	44.1	46.0	47.5	50.1	54.5	60.2	65.5	69.7	76.3
80°	33.1	33.5	34.9	35.5	37.7	39.4	41.6	46.1	51.4	53.2	57.7
82.5°	24.9	25.3	26.4	27.1	28.1	29.6	32.2	33.5	37.6	39.9	42.8
85°	13.8	13.4	14.4	14.4	15.2	15.8	16.6	18.3	19.3	22.1	22.9
87.5°	9.3	9.4	9.0	8.2	7.5	7.4	7.1	7.0	7.2	7.5	8.3
90°	25.4	25.8	22.1	18.6	15.0	11.4	8.6	6.6	4.7	2.7	0.8
92.5°	23.5	23.5	22.6	21.7	20.8	20.0	18.9	17.4	16.0	14.5	13.1
95°	47.1	47.1	46.8	46.5	46.2	45.8	44.9	43.3	41.6	40.0	38.3
97.5°	79.3	79.3	78.6	78.0	77.4	76.8	75.8	74.3	72.9	71.4	70.0
100°	101.7	101.7	101.1	100.7	100.2	99.7	98.8	97.5	96.1	94.9	93.6
102.5°	125.9	125.8	125.2	124.6	123.9	123.4	122.5	121.5	120.5	119.3	118.3
105°	162.4	162.1	161.7	161.5	161.1	160.8	160.3	159.9	159.4	158.9	158.4
107.5°	202.2	202.0	202.0	202.0	202.0	202.0	201.6	201.0	200.2	199.5	198.8
110°	229.1	229.1	229.1	229.1	229.1	229.1	228.7	227.6	226.7	225.6	224.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	256.5	256.8	256.9	257.1	257.2	257.3	256.9	255.9	255.0	254.0	253.0
115°	297.5	297.7	297.9	298.3	298.6	299.0	298.6	297.7	296.6	295.7	294.7
117.5°	337.6	338.0	338.9	339.9	340.7	341.7	341.5	340.2	338.8	337.5	336.2
120°	363.9	363.9	365.2	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9
122.5°	391.8	392.2	393.1	394.1	395.0	395.9	395.6	394.0	392.5	390.9	389.3
125°	432.7	433.2	433.7	434.1	434.7	435.2	434.7	433.2	431.7	430.3	428.8
127.5°	472.4	473.0	473.5	474.2	474.8	475.3	474.7	472.9	471.0	469.1	467.2
130°	499.2	499.5	499.8	500.1	500.5	500.8	499.9	497.8	495.7	493.5	491.4
132.5°	525.9	526.6	526.5	526.5	526.4	526.3	525.5	523.7	522.0	520.3	518.5
135°	564.2	564.3	564.0	563.6	563.4	563.0	561.9	560.2	558.4	556.6	554.8
137.5°	601.3	601.4	601.1	600.6	600.2	599.7	598.8	597.4	595.9	594.4	593.0
140°	626.2	626.2	625.4	624.6	623.8	622.9	621.8	620.3	618.9	617.4	616.0
142.5°	648.8	648.7	648.1	647.5	647.0	646.4	645.4	643.9	642.4	640.9	639.5
145°	683.2	683.0	681.9	681.0	680.0	679.0	678.0	676.8	675.7	674.5	673.4
147.5°	713.0	712.8	712.1	711.4	710.8	710.1	709.1	707.7	706.3	704.9	703.6
150°	732.1	731.6	730.9	730.3	729.6	729.0	728.1	727.2	726.1	725.2	724.2
152.5°	751.0	750.5	749.6	748.9	748.1	747.2	746.4	745.5	744.4	743.5	742.4
155°	775.1	774.3	773.8	773.4	772.8	772.3	771.8	771.4	770.9	770.3	769.9
157.5°	797.2	796.1	795.8	795.5	795.2	794.9	794.7	794.3	794.0	793.6	793.3
160°	810.7	809.6	809.5	809.4	809.2	809.0	808.8	808.4	808.1	807.8	807.5
162.5°	822.6	821.4	821.3	821.1	821.0	820.8	820.7	820.6	820.6	820.5	820.4
165°	838.1	836.9	836.9	836.9	836.9	836.9	837.0	837.2	837.4	837.5	837.6
167.5°	850.9	849.7	849.8	849.8	849.9	849.9	850.2	850.6	851.1	851.6	852.1
170°	858.0	856.8	857.0	857.1	857.3	857.4	857.8	858.3	858.8	859.3	859.8
172.5°	863.3	862.1	862.3	862.4	862.6	862.8	863.1	863.6	864.1	864.6	865.1
175°	869.0	867.9	868.2	868.6	868.8	869.2	869.6	870.1	870.5	871.1	871.6
177.5°	872.0	871.3	871.5	871.8	872.0	872.3	872.6	873.0	873.5	873.8	874.2
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1018.9	1019.7	1025.4	1027.9	1033.0	1035.0	1037.2	1036.6	1036.6	1037.7	1045.7
5°	1021.1	1028.1	1038.7	1048.9	1058.8	1067.2	1072.8	1078.5	1080.5	1090.8	1099.9
7.5°	1017.5	1030.4	1047.8	1063.4	1082.0	1096.6	1108.7	1119.6	1127.1	1142.0	1157.2
10°	1012.7	1031.0	1050.7	1070.7	1096.5	1115.8	1135.5	1150.7	1155.6	1177.7	1190.4
12.5°	1003.1	1027.6	1052.6	1078.6	1103.7	1130.4	1152.1	1167.2	1184.6	1204.5	1227.9
15°	988.7	1016.9	1049.6	1083.1	1119.0	1151.3	1174.6	1201.0	1219.9	1241.8	1262.2
17.5°	968.1	1004.4	1045.9	1084.7	1126.1	1160.9	1193.0	1218.2	1231.6	1244.1	1247.2
20°	951.8	990.8	1039.7	1085.5	1127.0	1167.2	1198.8	1219.9	1223.5	1223.8	1205.1
22.5°	934.1	978.2	1029.4	1076.2	1125.9	1170.5	1195.1	1204.2	1190.2	1166.4	1130.3
25°	901.4	952.4	1011.9	1065.5	1119.6	1161.9	1170.4	1154.5	1105.6	1054.1	989.1
27.5°	866.1	923.4	987.2	1046.7	1104.5	1130.7	1112.4	1055.3	967.1	890.6	797.8
30°	840.2	904.6	967.2	1033.8	1087.2	1098.5	1056.7	972.5	869.8	754.3	661.8
32.5°	810.6	878.1	947.0	1015.8	1060.5	1049.5	980.3	876.8	756.3	642.8	555.3
35°	768.4	838.1	912.3	981.3	1009.8	962.3	858.8	724.1	600.9	494.9	434.7
37.5°	719.6	795.5	872.7	936.0	934.1	854.8	713.9	574.7	471.2	408.5	365.6
40°	684.9	761.7	845.1	898.6	875.7	772.6	619.8	488.5	412.8	362.9	331.6
42.5°	651.8	728.8	811.6	854.1	814.4	687.6	535.4	432.5	370.0	331.1	305.7
45°	595.2	676.5	753.3	776.8	705.7	566.0	432.9	358.4	316.8	287.9	270.3
47.5°	540.0	619.9	689.9	690.4	594.2	459.0	365.2	310.1	274.7	252.3	239.5
50°	506.1	582.2	640.9	631.8	522.7	408.3	326.6	279.1	249.6	232.3	219.0
52.5°	468.2	541.9	592.8	566.8	462.1	359.3	292.0	252.1	227.6	212.6	200.7
55°	412.8	478.3	514.3	474.9	377.0	298.8	246.8	215.4	197.1	184.5	174.3
57.5°	358.6	412.6	435.2	389.3	310.5	247.8	208.7	185.2	167.0	158.0	152.7
60°	324.5	370.6	386.4	335.8	269.9	216.8	184.8	163.0	149.6	143.6	138.4
62.5°	291.1	328.7	335.3	288.8	235.4	189.8	162.3	143.8	135.0	129.2	124.2
65°	241.5	268.5	265.4	228.1	186.2	150.6	130.5	119.3	112.6	104.5	95.8
67.5°	198.8	215.4	205.4	177.4	142.1	117.1	104.0	95.5	87.2	79.5	77.5
70°	171.7	181.3	170.7	145.1	116.5	98.2	87.7	77.5	72.5	70.8	67.6
72.5°	145.9	149.2	137.8	115.7	94.8	81.3	71.1	65.3	62.7	61.2	59.1
75°	109.4	107.0	97.2	79.9	65.8	56.6	53.5	51.4	49.7	48.3	47.1
77.5°	76.9	73.2	64.5	53.3	45.8	41.5	39.6	38.5	37.6	36.9	35.8
80°	57.7	55.2	46.5	38.0	34.9	32.7	31.7	30.3	30.3	29.6	28.5
82.5°	42.2	39.5	31.9	27.9	26.1	24.9	24.0	23.2	22.9	23.1	22.3
85°	22.1	17.9	15.8	15.2	14.0	13.4	13.8	13.0	13.0	13.0	12.6
87.5°	7.3	6.3	6.4	6.5	7.4	8.1	8.5	9.2	10.2	9.9	10.1
90°	2.7	4.7	6.6	8.6	11.4	15.0	18.6	22.1	25.8	25.4	25.2
92.5°	14.5	16.0	17.4	18.9	20.0	20.8	21.7	22.6	23.5	23.5	23.6
95°	40.0	41.6	43.3	44.9	45.8	46.2	46.5	46.8	47.1	47.1	47.1
97.5°	71.4	72.9	74.3	75.8	76.8	77.4	78.0	78.6	79.3	79.3	79.3
100°	94.9	96.1	97.5	98.8	99.7	100.2	100.7	101.1	101.7	101.7	101.7
102.5°	119.3	120.5	121.5	122.5	123.4	123.9	124.6	125.2	125.8	125.9	126.1
105°	158.9	159.4	159.9	160.3	160.8	161.1	161.5	161.7	162.1	162.4	162.8
107.5°	199.5	200.2	201.0	201.6	202.0	202.0	202.0	202.0	202.0	202.2	202.3
110°	225.6	226.7	227.6	228.7	229.1	229.1	229.1	229.1	229.1	229.1	229.1





TEST NUMBER: P331658-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	254.0	255.0	255.9	256.9	257.3	257.2	257.1	256.9	256.8	256.5	256.0
115°	295.7	296.6	297.7	298.6	299.0	298.6	298.3	297.9	297.7	297.5	297.3
117.5°	337.5	338.8	340.2	341.5	341.7	340.7	339.9	338.9	338.0	337.6	337.2
120°	365.2	366.6	367.9	369.2	369.2	367.9	366.6	365.2	363.9	363.9	363.9
122.5°	390.9	392.5	394.0	395.6	395.9	395.0	394.1	393.1	392.2	391.8	391.4
125°	430.3	431.7	433.2	434.7	435.2	434.7	434.1	433.7	433.2	432.7	432.3
127.5°	469.1	471.0	472.9	474.7	475.3	474.8	474.2	473.5	473.0	472.4	471.8
130°	493.5	495.7	497.8	499.9	500.8	500.5	500.1	499.8	499.5	499.2	498.9
132.5°	520.3	522.0	523.7	525.5	526.3	526.4	526.5	526.5	526.6	525.9	525.2
135°	556.6	558.4	560.2	561.9	563.0	563.4	563.6	564.0	564.3	564.2	564.0
137.5°	594.4	595.9	597.4	598.8	599.7	600.2	600.6	601.1	601.4	601.3	601.2
140°	617.4	618.9	620.3	621.8	622.9	623.8	624.6	625.4	626.2	626.2	626.2
142.5°	640.9	642.4	643.9	645.4	646.4	647.0	647.5	648.1	648.7	648.8	648.8
145°	674.5	675.7	676.8	678.0	679.0	680.0	681.0	681.9	683.0	683.2	683.2
147.5°	704.9	706.3	707.7	709.1	710.1	710.8	711.4	712.1	712.8	713.0	713.4
150°	725.2	726.1	727.2	728.1	729.0	729.6	730.3	730.9	731.6	732.1	732.5
152.5°	743.5	744.4	745.5	746.4	747.2	748.1	748.9	749.6	750.5	751.0	751.7
155°	770.3	770.9	771.4	771.8	772.3	772.8	773.4	773.8	774.3	775.1	775.9
157.5°	793.6	794.0	794.3	794.7	794.9	795.2	795.5	795.8	796.1	797.2	798.3
160°	807.8	808.1	808.4	808.8	809.0	809.2	809.4	809.5	809.6	810.7	811.6
162.5°	820.5	820.6	820.6	820.7	820.8	821.0	821.1	821.3	821.4	822.6	823.7
165°	837.5	837.4	837.2	837.0	836.9	836.9	836.9	836.9	836.9	838.1	839.2
167.5°	851.6	851.1	850.6	850.2	849.9	849.9	849.8	849.8	849.7	850.9	852.1
170°	859.3	858.8	858.3	857.8	857.4	857.3	857.1	857.0	856.8	858.0	859.1
172.5°	864.6	864.1	863.6	863.1	862.8	862.6	862.4	862.3	862.1	863.3	864.4
175°	871.1	870.5	870.1	869.6	869.2	868.8	868.6	868.2	867.9	869.0	870.2
177.5°	873.8	873.5	873.0	872.6	872.3	872.0	871.8	871.5	871.3	872.0	872.8
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0	873.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1048.5	1052.2	1053.9	1053.9	1055.8	1055.0	1054.1
5°	1108.7	1115.4	1116.8	1123.1	1127.8	1126.3	1127.0
7.5°	1168.7	1179.4	1190.1	1194.9	1195.7	1198.5	1199.6
10°	1205.5	1214.4	1230.9	1228.4	1240.8	1247.7	1236.1
12.5°	1241.0	1252.9	1264.4	1267.5	1274.5	1276.8	1272.1
15°	1273.1	1279.4	1280.2	1278.4	1280.5	1278.7	1272.1
17.5°	1243.1	1232.8	1212.0	1202.1	1194.3	1182.8	1178.2
20°	1193.5	1163.3	1128.1	1114.0	1097.5	1065.1	1072.8
22.5°	1086.6	1052.1	1016.9	975.7	956.1	925.4	923.6
25°	920.1	860.6	795.1	749.3	722.6	692.0	678.6
27.5°	715.4	640.5	586.8	559.7	534.9	510.7	509.6
30°	580.8	524.4	483.0	459.7	444.6	434.3	436.5
32.5°	489.6	450.9	422.9	403.7	392.5	384.7	384.7
35°	400.2	373.8	355.8	347.8	339.7	334.0	334.4
37.5°	342.5	326.6	316.6	307.7	302.7	299.9	298.3
40°	312.9	299.9	292.2	286.9	282.7	278.8	278.1
42.5°	289.5	278.8	271.0	266.8	263.0	260.1	259.5
45°	256.9	248.2	241.1	236.5	234.8	232.3	232.3
47.5°	228.6	219.9	214.4	211.5	208.5	206.9	206.8
50°	209.4	202.7	197.8	196.0	193.6	192.6	192.2
52.5°	192.3	187.3	183.7	182.6	181.4	180.1	180.3
55°	168.9	166.2	164.8	163.6	161.9	159.8	161.2
57.5°	149.3	146.9	143.1	139.8	138.2	136.7	137.2
60°	135.5	130.5	125.6	121.8	120.7	117.5	117.5
62.5°	118.1	111.1	105.1	102.9	101.9	100.4	100.1
65°	90.8	88.0	86.6	85.2	84.5	84.5	83.8
67.5°	75.2	74.1	72.6	72.2	71.5	71.4	71.1
70°	66.5	65.1	64.4	64.1	63.3	63.7	62.7
72.5°	58.1	56.9	56.8	55.9	55.5	55.5	54.8
75°	45.7	45.7	45.4	45.1	44.4	44.0	44.4
77.5°	35.2	35.3	34.6	34.6	34.5	34.6	34.2
80°	28.2	28.5	28.2	27.8	27.4	27.8	27.4
82.5°	22.2	21.8	21.7	21.6	21.6	21.3	21.3
85°	12.6	13.0	12.6	12.3	12.3	12.3	12.6
87.5°	9.7	9.7	9.7	9.7	9.7	9.8	9.5
90°	24.8	24.5	24.4	24.6	24.7	24.9	25.1
92.5°	23.7	23.7	23.8	23.8	23.8	23.8	23.8
95°	47.1	47.1	47.0	46.7	46.4	46.0	45.7
97.5°	79.3	79.3	79.3	79.3	79.2	79.2	79.1
100°	101.7	101.7	101.6	101.4	101.2	101.1	100.9
102.5°	126.2	126.4	126.3	126.2	126.0	125.8	125.6
105°	163.1	163.4	163.5	163.5	163.5	163.5	163.5
107.5°	202.4	202.6	202.3	201.5	200.8	200.0	199.3
110°	229.1	229.1	228.8	228.4	227.9	227.4	226.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	255.6	255.2	254.9	254.5	254.1	253.8	253.4
115°	297.2	297.0	296.6	296.1	295.7	295.2	294.7
117.5°	336.9	336.4	336.0	335.5	335.0	334.5	334.0
120°	363.9	363.9	363.7	363.2	362.7	362.2	361.7
122.5°	391.1	390.7	390.3	389.9	389.6	389.2	388.9
125°	431.7	431.2	430.9	430.7	430.6	430.5	430.3
127.5°	471.2	470.6	470.0	469.6	469.0	468.5	468.0
130°	498.5	498.2	497.7	497.0	496.4	495.8	495.1
132.5°	524.4	523.8	523.1	522.5	522.1	521.5	521.0
135°	563.8	563.6	563.4	562.9	562.4	561.8	561.4
137.5°	601.1	601.0	600.6	599.9	599.3	598.6	597.9
140°	626.2	626.2	625.8	625.3	624.6	624.0	623.3
142.5°	649.0	649.1	648.8	648.2	647.5	647.0	646.3
145°	683.4	683.6	683.3	682.7	682.0	681.4	680.7
147.5°	713.8	714.2	714.1	713.4	712.8	712.2	711.5
150°	733.0	733.6	733.6	733.0	732.5	732.1	731.6
152.5°	752.3	752.9	752.9	752.3	751.7	751.0	750.5
155°	776.7	777.6	777.8	777.2	776.7	776.3	775.8
157.5°	799.5	800.6	800.7	799.9	799.2	798.3	797.6
160°	812.7	813.6	813.8	813.1	812.5	811.8	811.2
162.5°	824.8	826.0	826.0	825.3	824.5	823.7	822.9
165°	840.4	841.5	841.7	840.8	840.0	839.2	838.4
167.5°	853.2	854.3	854.5	853.7	852.8	852.0	851.1
170°	860.3	861.4	861.5	860.5	859.5	858.6	857.5
172.5°	865.5	866.7	866.8	865.8	864.8	863.8	862.9
175°	871.3	872.4	872.5	871.6	870.5	869.6	868.6
177.5°	873.6	874.4	874.4	873.6	872.8	872.0	871.3
180°	873.0	873.0	873.0	873.0	873.0	873.0	873.0

(END OF REPORT)