

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: P331829-927

Luminaire Tested: **S122RDIW-S865D710U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331829-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D710U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4862.2 lumens
Efficiency: N/A
Efficacy: 90.7 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

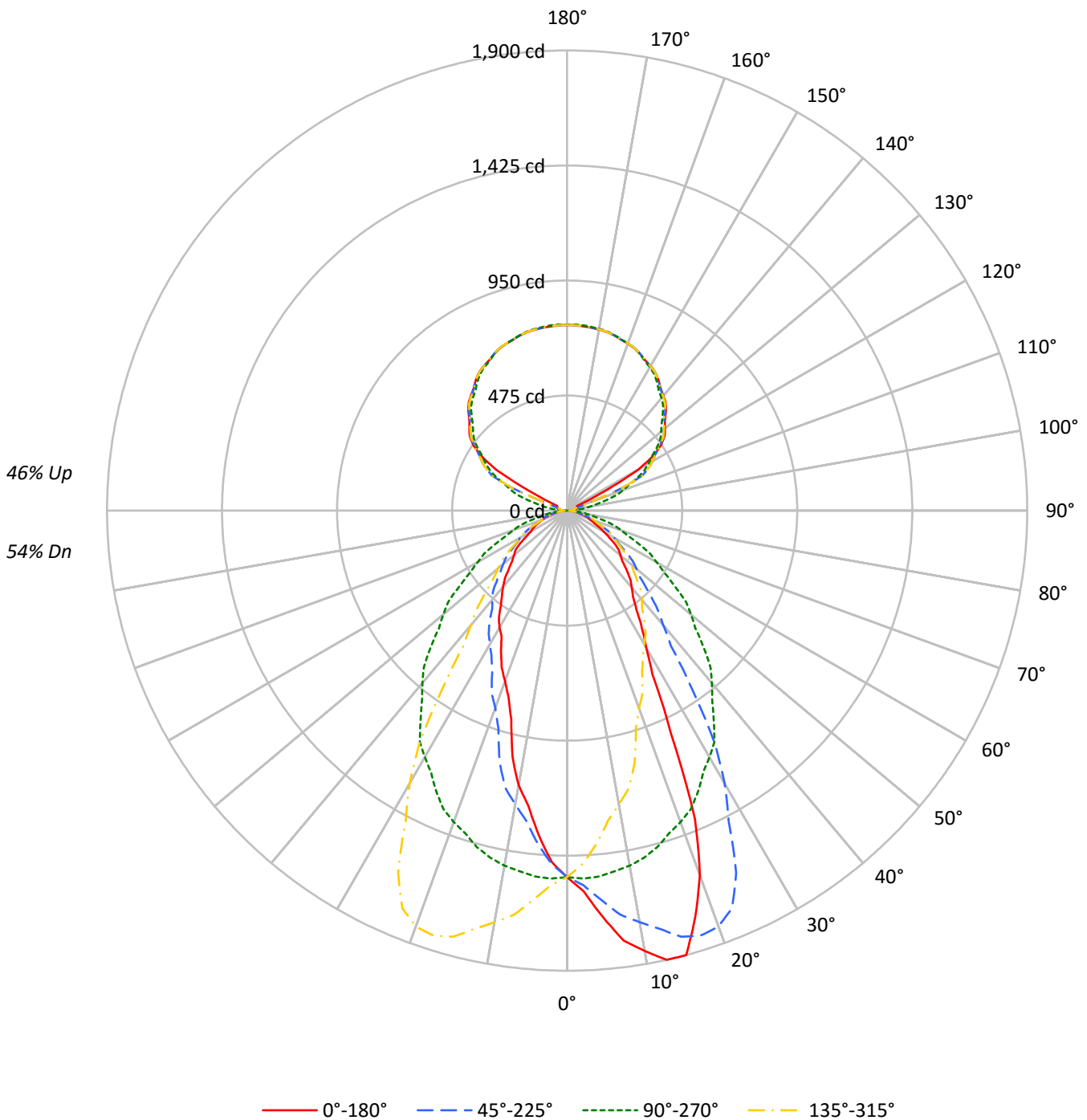
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54						54													
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52						47														
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45						41														
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	39						36														
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35						31														
5	71	60	53	47	66	56	50	45	49	44	40	43	39	35	36	33	31						28														
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28						25														
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25						23														
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23						21														
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21						19														
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19						17														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24425	24425	24425	24425
5°	27279	24577	21793	24577
10°	30263	24405	18889	24405
15°	31753	24047	14883	24047
20°	27527	23517	12880	23517
25°	18054	22792	11500	22792
30°	12152	21912	10407	21912
35°	9841	20802	9386	20802
40°	8753	19597	8686	19597
45°	7921	18182	7752	18182
50°	7209	16779	7181	16779
55°	6776	15226	6688	15226
60°	5667	13798	5603	13798
65°	4779	12531	5421	12531
70°	4419	11188	5113	11188
75°	4130	9738	4722	9738
80°	3812	8015	4203	8015
85°	3501	6317	3705	6317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	2.9
10°-20°	399.6	8.2
20°-30°	514.9	10.6
30°-40°	489.3	10.1
40°-50°	419.2	8.6
50°-60°	319.2	6.6
60°-70°	201.8	4.2
70°-80°	100.8	2.1
80°-90°	28.1	0.6
90°-100°	25.6	0.5
100°-110°	93.8	1.9
110°-120°	250.6	5.2
120°-130°	413.7	8.5
130°-140°	440.0	9.0
140°-150°	408.9	8.4
150°-160°	328.8	6.8
160°-170°	211.9	4.4
170°-180°	72.9	1.5
0°-30°	1057.9	21.8
0°-40°	1547.2	31.8
0°-60°	2285.6	47.0
0°-90°	2616.2	53.8
90°-120°	369.9	7.6
90°-150°	1632.5	33.6
90°-180°	2246.0	46.2
0°-180°	4862.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1513	1513	1513	1513	1513	
5°	1683	1516	1345	1516	1683	166
15°	1900	1439	890	1439	1900	512
25°	1013	1279	646	1279	1013	481
35°	499	1055	476	1055	499	319
45°	347	796	340	796	347	269
55°	241	541	238	541	241	211
65°	125	328	142	328	125	127
75°	66	156	76	156	66	70
85°	19	34	20	34	19	21
90°	15	1	15	1	15	7
95°	24	36	24	36	24	22
105°	42	169	42	169	42	44
115°	46	319	46	319	46	114
125°	474	451	474	451	474	410
135°	576	558	576	558	576	444
145°	657	647	657	647	657	411
155°	713	713	713	713	713	329
165°	749	751	749	751	749	212
175°	764	768	764	768	764	73
180°	766	766	766	766	766	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1574.1	1575.4	1576.7	1573.7	1573.7	1571.2	1565.7	1561.5	1549.7	1548.1	1548.1
5°	1683.1	1682.0	1684.1	1677.3	1667.8	1665.7	1655.7	1642.6	1628.9	1613.7	1610.5
7.5°	1791.3	1789.7	1785.5	1784.4	1777.1	1761.3	1745.2	1728.1	1705.3	1683.1	1672.0
10°	1845.9	1863.3	1852.8	1834.4	1838.1	1813.4	1800.2	1777.7	1758.7	1725.6	1718.2
12.5°	1899.8	1906.6	1903.3	1892.8	1888.2	1871.0	1853.2	1833.6	1798.6	1768.9	1743.0
15°	1899.6	1909.6	1912.2	1909.1	1911.7	1910.7	1901.2	1884.8	1854.4	1821.8	1793.4
17.5°	1759.4	1766.3	1783.5	1795.2	1809.9	1841.0	1856.4	1862.3	1857.8	1839.2	1819.2
20°	1602.1	1590.5	1638.9	1663.6	1684.6	1737.2	1782.4	1799.8	1827.6	1827.1	1821.8
22.5°	1379.2	1382.0	1427.8	1457.1	1518.5	1571.1	1622.6	1687.9	1741.8	1777.4	1798.3
25°	1013.4	1033.4	1079.1	1119.0	1187.4	1285.2	1374.0	1477.0	1574.2	1651.0	1724.0
27.5°	761.1	762.6	798.8	835.8	876.3	956.4	1068.3	1191.3	1329.9	1444.3	1575.9
30°	651.8	648.6	663.8	686.4	721.1	783.2	867.3	988.2	1126.4	1298.8	1452.3
32.5°	574.4	574.6	586.1	602.8	631.6	673.4	731.0	829.3	959.9	1129.3	1309.3
35°	499.3	498.8	507.2	519.3	531.4	558.2	597.6	649.1	739.0	897.2	1081.2
37.5°	445.5	447.8	451.9	459.5	472.9	487.7	511.4	546.1	610.1	703.6	858.3
40°	415.3	416.3	422.1	428.4	436.3	447.8	467.3	495.1	541.9	616.6	729.5
42.5°	387.5	388.6	392.6	398.5	404.7	416.3	432.4	456.5	494.4	552.6	645.9
45°	346.9	346.9	350.6	353.2	360.0	370.6	383.7	403.7	429.9	473.1	535.1
47.5°	308.9	309.0	311.4	315.9	320.2	328.4	341.4	357.7	376.8	410.1	463.1
50°	287.0	287.5	289.1	292.8	295.4	302.8	312.8	326.9	346.9	372.6	416.8
52.5°	269.3	269.0	271.0	272.6	274.4	279.6	287.1	299.6	317.5	339.8	376.4
55°	240.7	238.6	241.8	244.4	246.0	248.1	252.3	260.2	275.4	294.4	321.7
57.5°	205.0	204.1	206.4	208.7	213.7	219.4	223.0	228.0	235.9	249.5	276.6
60°	175.5	175.5	180.3	181.9	187.7	195.0	202.4	206.6	214.4	223.4	243.4
62.5°	149.5	149.9	152.1	153.7	156.9	166.0	176.3	185.5	193.0	201.5	214.8
65°	125.1	126.1	126.1	127.2	129.3	131.4	135.6	143.0	156.1	168.2	178.2
67.5°	106.2	106.5	106.8	107.9	108.4	110.7	112.4	115.7	118.7	130.2	142.5
70°	93.6	95.1	94.6	95.7	96.2	97.2	99.3	100.9	105.7	108.3	115.7
72.5°	81.8	82.9	82.9	83.5	84.8	85.1	86.7	88.3	91.3	93.6	97.5
75°	66.2	65.7	66.2	67.3	67.8	68.4	68.4	70.4	72.0	74.1	76.8
77.5°	51.1	51.7	51.5	51.7	51.7	52.7	52.6	53.5	55.1	56.2	57.4
80°	41.0	41.5	41.0	41.5	42.1	42.5	42.1	42.5	44.1	45.2	45.2
82.5°	31.8	31.8	32.2	32.2	32.4	32.5	33.2	33.4	34.5	34.3	34.7
85°	18.9	18.4	18.4	18.4	18.9	19.4	18.9	18.9	19.4	19.4	19.4
87.5°	9.7	10.1	10.1	10.0	10.0	9.8	9.7	10.1	9.5	9.8	9.2
90°	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4	11.7	11.1	10.1
92.5°	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5	13.2	12.8	12.4
95°	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9	22.3	21.6	20.8
97.5°	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9	29.5	28.9	26.9
100°	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6	32.6	31.6	29.5
102.5°	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1	33.7	32.5	50.0
105°	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5	35.2	33.8	67.5
107.5°	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6	45.9	47.4	87.7
110°	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4	84.8	97.0	132.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9	199.9	244.8	253.6
115°	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1	285.1	342.1	339.1
117.5°	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4	365.2	379.0	376.8
120°	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5	408.0	406.5	404.3
122.5°	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4	433.6	432.7	430.2
125°	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3	469.4	468.6	466.3
127.5°	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5	502.2	501.0	499.2
130°	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6	523.2	521.9	520.5
132.5°	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0	543.8	542.7	541.4
135°	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3	573.0	571.8	570.7
137.5°	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3	600.2	599.0	597.7
140°	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9	617.8	616.7	615.3
142.5°	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1	634.1	633.1	631.5
145°	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7	657.0	656.1	653.9
147.5°	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6	676.9	676.2	674.1
150°	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7	689.0	688.2	686.3
152.5°	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8	700.1	699.3	697.4
155°	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7	715.0	714.3	712.8
157.5°	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4	727.5	726.7	725.6
160°	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7	735.0	734.3	733.5
162.5°	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6	741.7	740.9	740.3
165°	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0	750.1	749.2	748.8
167.5°	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0	757.1	756.2	755.9
170°	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5	760.7	759.8	759.5
172.5°	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1	763.3	762.4	762.2
175°	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1	766.2	765.3	765.1
177.5°	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4	766.7	766.0	765.9
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1548.9	1545.5	1542.6	1535.0	1531.2	1522.8	1521.5	1521.1	1510.2	1499.7	1496.7
5°	1602.1	1593.7	1581.0	1566.4	1551.1	1535.3	1524.8	1516.4	1495.4	1475.4	1463.9
7.5°	1655.7	1637.6	1615.9	1588.0	1564.8	1538.7	1519.3	1502.0	1472.2	1443.6	1424.3
10°	1695.7	1666.2	1637.3	1598.9	1569.0	1539.5	1512.2	1488.6	1454.9	1417.1	1390.3
12.5°	1720.5	1688.1	1648.2	1610.7	1571.9	1534.5	1497.9	1467.5	1428.0	1388.9	1357.0
15°	1754.0	1719.3	1671.0	1617.3	1567.4	1518.5	1476.5	1438.6	1387.1	1340.3	1301.4
17.5°	1781.5	1733.7	1681.8	1619.8	1561.9	1499.8	1445.7	1397.3	1340.0	1283.6	1237.7
20°	1790.3	1743.0	1683.1	1621.0	1552.7	1479.6	1421.3	1368.7	1307.2	1245.7	1193.2
22.5°	1784.8	1748.0	1681.3	1607.1	1537.2	1460.7	1394.8	1333.8	1265.6	1202.8	1141.9
25°	1747.7	1735.0	1672.0	1591.0	1511.2	1422.4	1346.1	1279.4	1201.6	1134.3	1068.0
27.5°	1661.2	1688.4	1649.3	1563.1	1474.3	1379.0	1293.3	1217.3	1136.6	1060.9	994.9
30°	1577.9	1640.5	1623.7	1543.7	1444.4	1350.8	1254.7	1175.3	1089.1	1011.3	946.1
32.5°	1464.0	1567.3	1583.7	1516.9	1414.1	1311.3	1210.5	1131.6	1041.6	959.6	896.0
35°	1282.5	1437.0	1508.0	1465.5	1362.4	1251.5	1147.4	1055.4	965.0	884.1	821.0
37.5°	1066.0	1276.5	1394.8	1397.8	1303.2	1187.9	1074.6	983.3	890.7	811.3	743.0
40°	925.6	1153.7	1307.7	1341.9	1262.0	1137.4	1022.9	929.8	839.4	761.6	683.3
42.5°	799.5	1026.7	1216.1	1275.5	1212.0	1088.2	973.3	876.0	788.1	714.5	634.5
45°	646.5	845.2	1053.8	1160.1	1124.8	1010.3	888.8	796.3	713.8	650.2	573.5
47.5°	545.4	685.4	887.3	1030.9	1030.3	925.7	806.3	717.7	641.1	581.5	519.4
50°	487.7	609.7	780.5	943.5	957.1	869.3	755.8	668.0	596.6	534.0	484.1
52.5°	436.0	536.5	690.1	846.4	885.3	809.2	699.1	618.1	548.7	491.2	448.4
55°	368.4	446.2	562.9	709.1	767.9	714.3	616.6	540.9	484.7	436.3	399.5
57.5°	311.7	370.0	463.7	581.3	649.9	616.2	535.5	474.0	425.9	382.1	353.1
60°	275.9	323.8	403.1	501.5	577.1	553.5	484.7	427.3	386.3	348.5	321.2
62.5°	242.3	283.4	351.4	431.2	500.6	490.8	434.6	386.5	350.6	316.1	292.9
65°	195.0	225.0	278.1	340.6	396.3	401.1	360.6	328.0	296.0	268.6	248.1
67.5°	155.3	174.8	212.2	264.9	306.7	321.5	296.8	272.0	246.5	225.4	207.6
70°	130.9	146.6	174.0	216.6	254.9	270.7	256.5	237.0	215.0	197.6	182.4
72.5°	106.1	121.4	141.6	172.9	205.7	222.8	217.9	203.8	185.9	171.6	157.2
75°	79.9	84.6	98.3	119.3	145.0	159.8	163.5	156.1	141.9	130.9	122.5
77.5°	59.1	61.9	68.4	79.5	96.3	109.4	114.8	113.9	104.2	97.8	89.9
80°	47.3	48.9	52.0	56.8	69.4	82.5	86.2	86.2	79.4	76.8	68.8
82.5°	36.0	37.1	39.0	41.6	47.5	58.9	63.1	63.9	59.6	56.2	49.9
85°	20.5	20.0	21.0	22.6	23.7	26.8	33.1	34.1	33.1	28.9	27.3
87.5°	9.0	9.2	9.0	8.3	8.5	8.6	10.5	12.3	10.9	9.9	9.3
90°	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6
92.5°	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2	11.1	10.9	10.9
95°	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0	32.0	27.9	23.8
97.5°	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5	60.0	48.6	37.2
100°	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2	81.3	64.4	47.5
102.5°	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5	123.9	120.3	116.7
105°	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6	172.3	176.0	179.7
107.5°	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5	218.5	221.5	224.4
110°	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7	248.3	250.9	253.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1	276.4	278.7	280.9
115°	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9	321.0	323.1	325.2
117.5°	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9	361.2	363.6	365.9
120°	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2	390.1	391.9	393.7
122.5°	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0	415.0	416.9	418.9
125°	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8	452.5	454.1	455.7
127.5°	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1	486.9	488.7	490.4
130°	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8	508.8	510.8	512.8
132.5°	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1	530.8	532.4	534.1
135°	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9	559.8	561.8	563.8
137.5°	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1	588.4	589.9	591.2
140°	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2	607.1	608.1	609.1
142.5°	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1	623.0	623.9	624.8
145°	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2	647.1	647.0	646.8
147.5°	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0	668.6	668.1	667.7
150°	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3	682.4	681.5	680.6
152.5°	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2	694.3	693.3	692.3
155°	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6	711.5	710.4	709.3
157.5°	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3	725.3	724.4	723.4
160°	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	733.5	732.8	732.1
162.5°	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3	740.6	739.9	739.1
165°	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9	750.1	749.4	748.7
167.5°	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0	757.2	756.5	755.7
170°	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0	761.2	760.5	759.8
172.5°	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6	763.9	763.2	762.4
175°	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1	767.2	766.4	765.5
177.5°	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7	767.9	767.2	766.6
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331829-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1491.3	1488.4	1482.9	1474.5	1469.4	1460.6	1454.7	1458.1	1458.9	1458.1	1457.2
5°	1451.2	1440.2	1425.0	1410.2	1396.5	1381.9	1373.4	1369.8	1362.4	1358.2	1356.1
7.5°	1402.8	1383.8	1362.2	1336.6	1314.8	1292.0	1280.3	1274.5	1259.5	1251.3	1244.1
10°	1366.6	1336.6	1315.1	1281.4	1261.0	1231.0	1210.5	1211.0	1190.5	1178.9	1170.5
12.5°	1326.7	1293.8	1257.9	1227.6	1199.1	1175.0	1150.4	1140.3	1118.6	1107.5	1084.7
15°	1260.4	1222.1	1184.2	1143.2	1114.3	1077.0	1041.2	997.6	962.4	931.9	923.5
17.5°	1188.1	1140.6	1102.6	1054.5	1005.0	942.2	900.8	875.4	854.2	838.1	826.2
20°	1138.5	1090.1	1049.6	977.2	910.4	867.8	837.3	817.8	795.8	778.5	769.0
22.5°	1086.3	1035.9	980.7	899.8	847.7	813.6	786.4	764.1	749.1	735.5	726.9
25°	1012.3	957.1	866.3	810.5	768.4	732.7	713.8	700.1	684.4	666.0	657.5
27.5°	934.1	846.4	781.1	739.7	699.5	676.3	659.3	638.8	624.7	616.5	607.7
30°	875.7	787.9	736.9	691.7	663.3	637.5	617.6	606.0	592.4	578.2	572.4
32.5°	810.5	740.4	691.5	653.9	625.0	603.1	587.3	568.6	558.7	550.0	537.9
35°	729.5	676.4	631.8	601.3	574.0	556.1	537.7	526.6	508.8	501.5	496.7
37.5°	661.0	615.0	581.6	549.5	527.8	508.0	496.8	479.3	471.5	461.3	451.3
40°	622.3	577.1	545.1	518.8	494.6	479.9	465.7	451.5	440.0	435.2	423.1
42.5°	582.8	546.1	514.0	485.1	469.0	453.4	435.5	425.0	413.0	405.4	397.9
45°	528.2	495.7	468.3	444.7	426.8	410.5	398.9	381.6	374.8	359.5	353.2
47.5°	480.3	450.0	424.0	401.5	384.0	373.4	356.5	342.9	332.0	322.7	314.5
50°	446.2	421.0	395.8	375.8	360.0	344.8	327.5	320.6	303.8	299.0	294.4
52.5°	415.1	391.2	368.0	348.5	332.7	317.9	302.6	293.7	282.3	277.7	274.2
55°	371.6	348.5	326.4	309.0	293.3	278.1	268.6	257.5	252.3	248.6	244.4
57.5°	327.9	307.0	290.2	272.6	256.7	244.6	233.7	227.0	221.6	216.7	211.8
60°	300.2	280.1	264.9	248.6	232.3	222.4	213.9	206.0	199.7	192.3	190.3
62.5°	270.7	253.3	239.2	223.4	209.2	200.0	192.0	184.6	177.1	166.3	163.3
65°	230.2	216.6	201.8	188.7	176.1	167.2	155.6	147.2	144.0	143.0	142.4
67.5°	193.6	180.7	168.1	154.6	143.1	134.9	129.0	127.7	125.5	124.8	123.4
70°	169.2	157.2	144.6	131.9	120.9	119.3	117.2	115.1	112.5	111.5	110.4
72.5°	147.3	134.9	122.2	112.2	107.4	105.4	103.3	101.2	99.4	98.4	97.8
75°	113.0	101.5	93.0	89.4	86.7	85.2	82.0	80.4	79.4	77.8	77.2
77.5°	81.4	74.9	71.0	68.7	65.9	64.2	62.4	60.8	59.7	59.4	58.5
80°	62.0	58.9	56.2	53.1	52.0	49.9	49.4	47.8	48.3	46.8	46.8
82.5°	48.2	44.1	41.9	40.5	39.5	37.7	37.2	36.4	36.6	35.4	35.4
85°	24.7	23.7	22.6	21.5	21.5	20.0	20.5	20.0	20.0	18.9	18.4
87.5°	9.2	9.0	8.3	8.6	8.7	8.6	8.6	8.3	8.5	8.6	8.2
90°	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4	12.9	13.5	14.0
92.5°	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.4
95°	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9	23.4	24.1	24.3
97.5°	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9	30.4	30.9	31.2
100°	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6	34.5	35.6	36.2
102.5°	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1	36.4	37.6	38.4
105°	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5	37.9	39.2	40.2
107.5°	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6	43.3	41.8	41.4
110°	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4	60.0	47.8	41.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9	110.0	65.0	42.7
115°	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1	171.0	113.9	81.0
117.5°	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4	337.5	323.8	302.3
120°	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5	410.9	412.4	404.8
122.5°	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4	435.3	436.3	435.1
125°	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3	471.2	472.1	472.7
127.5°	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5	504.8	506.0	506.7
130°	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6	525.9	527.3	527.9
132.5°	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0	546.2	547.3	547.9
135°	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3	575.4	576.7	577.2
137.5°	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3	602.5	603.8	604.2
140°	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9	620.0	621.2	621.4
142.5°	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1	636.1	637.2	637.3
145°	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7	658.6	659.5	659.7
147.5°	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6	678.2	678.8	678.9
150°	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7	690.5	691.2	691.3
152.5°	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8	701.6	702.3	702.3
155°	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7	716.5	717.2	717.1
157.5°	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4	729.2	730.1	730.0
160°	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7	736.5	737.2	737.1
162.5°	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6	743.4	744.3	744.2
165°	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0	751.8	752.7	752.7
167.5°	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0	758.8	759.6	759.5
170°	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5	762.3	763.2	763.1
172.5°	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1	765.0	765.9	765.7
175°	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1	767.9	768.7	768.6
177.5°	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4	768.0	768.7	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331829-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1452.6	1453.4	1452.1	1453.0	1452.1	1453.4	1452.6	1457.2	1458.1	1458.9	1458.1
5°	1353.4	1347.2	1346.1	1344.6	1346.1	1347.2	1353.4	1356.1	1358.2	1362.4	1369.8
7.5°	1235.1	1234.1	1231.5	1227.9	1231.5	1234.1	1235.1	1244.1	1251.3	1259.5	1274.5
10°	1159.0	1156.3	1155.9	1152.1	1155.9	1156.3	1159.0	1170.5	1178.9	1190.5	1211.0
12.5°	1069.8	1052.9	1051.1	1042.0	1051.1	1052.9	1069.8	1084.7	1107.5	1118.6	1140.3
15°	910.9	907.8	897.2	890.4	897.2	907.8	910.9	923.5	931.9	962.4	997.6
17.5°	820.1	809.8	806.5	805.0	806.5	809.8	820.1	826.2	838.1	854.2	875.4
20°	761.6	752.2	750.6	749.6	750.6	752.2	761.6	769.0	778.5	795.8	817.8
22.5°	721.3	711.4	707.3	704.1	707.3	711.4	721.3	726.9	735.5	749.1	764.1
25°	652.3	648.6	646.5	645.5	646.5	648.6	652.3	657.5	666.0	684.4	700.1
27.5°	598.3	590.3	588.7	586.0	588.7	590.3	598.3	607.7	616.5	624.7	638.8
30°	567.7	565.1	561.3	558.2	561.3	565.1	567.7	572.4	578.2	592.4	606.0
32.5°	531.5	529.3	526.0	524.6	526.0	529.3	531.5	537.9	550.0	558.7	568.6
35°	491.5	484.1	480.9	476.2	480.9	484.1	491.5	496.7	501.5	508.8	526.6
37.5°	449.1	445.2	440.8	442.4	440.8	445.2	449.1	451.3	461.3	471.5	479.3
40°	416.3	413.7	412.6	412.1	412.6	413.7	416.3	423.1	435.2	440.0	451.5
42.5°	390.2	382.9	380.2	380.1	380.2	382.9	390.2	397.9	405.4	413.0	425.0
45°	350.6	343.7	339.1	339.5	339.1	343.7	350.6	353.2	359.5	374.8	381.6
47.5°	310.0	309.8	306.9	307.8	306.9	309.8	310.0	314.5	322.7	332.0	342.9
50°	290.7	287.5	285.4	285.9	285.4	287.5	290.7	294.4	299.0	303.8	320.6
52.5°	272.2	269.4	267.8	270.0	267.8	269.4	272.2	274.2	277.7	282.3	293.7
55°	241.8	238.6	238.1	237.6	238.1	238.6	241.8	244.4	248.6	252.3	257.5
57.5°	207.9	205.7	202.6	201.2	202.6	205.7	207.9	211.8	216.7	221.6	227.0
60°	183.5	179.3	174.0	173.5	174.0	179.3	183.5	190.3	192.3	199.7	206.0
62.5°	161.1	160.3	159.2	159.1	159.2	160.3	161.1	163.3	166.3	177.1	184.6
65°	141.4	140.9	141.4	141.9	141.4	140.9	141.4	142.4	143.0	144.0	147.2
67.5°	123.2	122.2	121.3	121.8	121.3	122.2	123.2	123.4	124.8	125.5	127.7
70°	109.3	108.8	108.3	108.3	108.3	108.8	109.3	110.4	111.5	112.5	115.1
72.5°	95.9	95.8	95.2	94.8	95.2	95.8	95.9	97.8	98.4	99.4	101.2
75°	76.8	75.7	75.7	75.7	75.7	75.7	76.8	77.2	77.8	79.4	80.4
77.5°	58.5	57.9	57.4	57.0	57.4	57.9	58.5	58.5	59.4	59.7	60.8
80°	46.3	45.7	45.2	45.2	45.2	45.7	46.3	46.8	46.8	48.3	47.8
82.5°	35.3	34.8	34.7	34.3	34.7	34.8	35.3	35.4	35.4	36.6	36.4
85°	18.9	19.4	18.9	20.0	18.9	19.4	18.9	18.4	18.9	20.0	20.0
87.5°	8.3	7.9	8.4	8.0	8.4	7.9	8.3	8.2	8.6	8.5	8.3
90°	14.3	14.5	14.7	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4
92.5°	14.5	14.7	14.8	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5
95°	24.2	24.1	24.0	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9
97.5°	31.4	31.5	31.7	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9
100°	36.4	36.7	36.9	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6
102.5°	38.8	39.1	39.5	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1
105°	40.6	41.2	41.7	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5
107.5°	41.9	42.4	42.9	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6
110°	42.3	42.9	43.3	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	43.1	43.5	43.9	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9
115°	72.1	63.2	54.3	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1
117.5°	273.1	244.0	214.8	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4
120°	388.2	371.5	354.9	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5
122.5°	431.8	428.6	425.4	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4
125°	473.0	473.4	473.8	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3
127.5°	506.8	506.8	506.9	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5
130°	527.8	527.7	527.5	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6
132.5°	547.7	547.6	547.5	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0
135°	576.9	576.7	576.5	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3
137.5°	603.7	603.3	602.9	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3
140°	620.8	620.1	619.5	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9
142.5°	636.8	636.1	635.5	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1
145°	659.0	658.4	657.7	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7
147.5°	678.3	677.9	677.3	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6
150°	690.6	690.0	689.4	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7
152.5°	701.4	700.6	699.8	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8
155°	716.1	715.2	714.2	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7
157.5°	729.0	728.1	727.1	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4
160°	736.3	735.4	734.6	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7
162.5°	743.1	742.0	740.9	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6
165°	751.8	751.0	750.1	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0
167.5°	758.4	757.3	756.2	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0
170°	762.0	760.9	759.8	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5
172.5°	764.6	763.5	762.4	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1
175°	767.3	766.1	764.9	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1
177.5°	767.8	766.8	766.0	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1454.7	1460.6	1469.4	1474.5	1482.9	1488.4	1491.3	1496.7	1499.7	1510.2	1521.1
5°	1373.4	1381.9	1396.5	1410.2	1425.0	1440.2	1451.2	1463.9	1475.4	1495.4	1516.4
7.5°	1280.3	1292.0	1314.8	1336.6	1362.2	1383.8	1402.8	1424.3	1443.6	1472.2	1502.0
10°	1210.5	1231.0	1261.0	1281.4	1315.1	1336.6	1366.6	1390.3	1417.1	1454.9	1488.6
12.5°	1150.4	1175.0	1199.1	1227.6	1257.9	1293.8	1326.7	1357.0	1388.9	1428.0	1467.5
15°	1041.2	1077.0	1114.3	1143.2	1184.2	1222.1	1260.4	1301.4	1340.3	1387.1	1438.6
17.5°	900.8	942.2	1005.0	1054.5	1102.6	1140.6	1188.1	1237.7	1283.6	1340.0	1397.3
20°	837.3	867.8	910.4	977.2	1049.6	1090.1	1138.5	1193.2	1245.7	1307.2	1368.7
22.5°	786.4	813.6	847.7	899.8	980.7	1035.9	1086.3	1141.9	1202.8	1265.6	1333.8
25°	713.8	732.7	768.4	810.5	866.3	957.1	1012.3	1068.0	1134.3	1201.6	1279.4
27.5°	659.3	676.3	699.5	739.7	781.1	846.4	934.1	994.9	1060.9	1136.6	1217.3
30°	617.6	637.5	663.3	691.7	736.9	787.9	875.7	946.1	1011.3	1089.1	1175.3
32.5°	587.3	603.1	625.0	653.9	691.5	740.4	810.5	896.0	959.6	1041.6	1131.6
35°	537.7	556.1	574.0	601.3	631.8	676.4	729.5	821.0	884.1	965.0	1055.4
37.5°	496.8	508.0	527.8	549.5	581.6	615.0	661.0	743.0	811.3	890.7	983.3
40°	465.7	479.9	494.6	518.8	545.1	577.1	622.3	683.3	761.6	839.4	929.8
42.5°	435.5	453.4	469.0	485.1	514.0	546.1	582.8	634.5	714.5	788.1	876.0
45°	398.9	410.5	426.8	444.7	468.3	495.7	528.2	573.5	650.2	713.8	796.3
47.5°	356.5	373.4	384.0	401.5	424.0	450.0	480.3	519.4	581.5	641.1	717.7
50°	327.5	344.8	360.0	375.8	395.8	421.0	446.2	484.1	534.0	596.6	668.0
52.5°	302.6	317.9	332.7	348.5	368.0	391.2	415.1	448.4	491.2	548.7	618.1
55°	268.6	278.1	293.3	309.0	326.4	348.5	371.6	399.5	436.3	484.7	540.9
57.5°	233.7	244.6	256.7	272.6	290.2	307.0	327.9	353.1	382.1	425.9	474.0
60°	213.9	222.4	232.3	248.6	264.9	280.1	300.2	321.2	348.5	386.3	427.3
62.5°	192.0	200.0	209.2	223.4	239.2	253.3	270.7	292.9	316.1	350.6	386.5
65°	155.6	167.2	176.1	188.7	201.8	216.6	230.2	248.1	268.6	296.0	328.0
67.5°	129.0	134.9	143.1	154.6	168.1	180.7	193.6	207.6	225.4	246.5	272.0
70°	117.2	119.3	120.9	131.9	144.6	157.2	169.2	182.4	197.6	215.0	237.0
72.5°	103.3	105.4	107.4	112.2	122.2	134.9	147.3	157.2	171.6	185.9	203.8
75°	82.0	85.2	86.7	89.4	93.0	101.5	113.0	122.5	130.9	141.9	156.1
77.5°	62.4	64.2	65.9	68.7	71.0	74.9	81.4	89.9	97.8	104.2	113.9
80°	49.4	49.9	52.0	53.1	56.2	58.9	62.0	68.8	76.8	79.4	86.2
82.5°	37.2	37.7	39.5	40.5	41.9	44.1	48.2	49.9	56.2	59.6	63.9
85°	20.5	20.0	21.5	21.5	22.6	23.7	24.7	27.3	28.9	33.1	34.1
87.5°	8.6	8.6	8.7	8.6	8.3	9.0	9.2	9.3	9.9	10.9	12.3
90°	11.7	11.1	10.1	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6
92.5°	13.2	12.8	12.4	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2
95°	22.3	21.6	20.8	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0
97.5°	29.5	28.9	26.9	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5
100°	32.6	31.6	29.5	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2
102.5°	33.7	32.5	50.0	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5
105°	35.2	33.8	67.5	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6
107.5°	45.9	47.4	87.7	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5
110°	84.8	97.0	132.7	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7



TEST NUMBER: P331829-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	199.9	244.8	253.6	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1
115°	285.1	342.1	339.1	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9
117.5°	365.2	379.0	376.8	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9
120°	408.0	406.5	404.3	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2
122.5°	433.6	432.7	430.2	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0
125°	469.4	468.6	466.3	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8
127.5°	502.2	501.0	499.2	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1
130°	523.2	521.9	520.5	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8
132.5°	543.8	542.7	541.4	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1
135°	573.0	571.8	570.7	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9
137.5°	600.2	599.0	597.7	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1
140°	617.8	616.7	615.3	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2
142.5°	634.1	633.1	631.5	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1
145°	657.0	656.1	653.9	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2
147.5°	676.9	676.2	674.1	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0
150°	689.0	688.2	686.3	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3
152.5°	700.1	699.3	697.4	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2
155°	715.0	714.3	712.8	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6
157.5°	727.5	726.7	725.6	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3
160°	735.0	734.3	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3
162.5°	741.7	740.9	740.3	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3
165°	750.1	749.2	748.8	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9
167.5°	757.1	756.2	755.9	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0
170°	760.7	759.8	759.5	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0
172.5°	763.3	762.4	762.2	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6
175°	766.2	765.3	765.1	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1
177.5°	766.7	766.0	765.9	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331829-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1521.5	1522.8	1531.2	1535.0	1542.6	1545.5	1548.9	1548.1	1548.1	1549.7	1561.5
5°	1524.8	1535.3	1551.1	1566.4	1581.0	1593.7	1602.1	1610.5	1613.7	1628.9	1642.6
7.5°	1519.3	1538.7	1564.8	1588.0	1615.9	1637.6	1655.7	1672.0	1683.1	1705.3	1728.1
10°	1512.2	1539.5	1569.0	1598.9	1637.3	1666.2	1695.7	1718.2	1725.6	1758.7	1777.7
12.5°	1497.9	1534.5	1571.9	1610.7	1648.2	1688.1	1720.5	1743.0	1768.9	1798.6	1833.6
15°	1476.5	1518.5	1567.4	1617.3	1671.0	1719.3	1754.0	1793.4	1821.8	1854.4	1884.8
17.5°	1445.7	1499.8	1561.9	1619.8	1681.8	1733.7	1781.5	1819.2	1839.2	1857.8	1862.3
20°	1421.3	1479.6	1552.7	1621.0	1683.1	1743.0	1790.3	1821.8	1827.1	1827.6	1799.8
22.5°	1394.8	1460.7	1537.2	1607.1	1681.3	1748.0	1784.8	1798.3	1777.4	1741.8	1687.9
25°	1346.1	1422.4	1511.2	1591.0	1672.0	1735.0	1747.7	1724.0	1651.0	1574.2	1477.0
27.5°	1293.3	1379.0	1474.3	1563.1	1649.3	1688.4	1661.2	1575.9	1444.3	1329.9	1191.3
30°	1254.7	1350.8	1444.4	1543.7	1623.7	1640.5	1577.9	1452.3	1298.8	1126.4	988.2
32.5°	1210.5	1311.3	1414.1	1516.9	1583.7	1567.3	1464.0	1309.3	1129.3	959.9	829.3
35°	1147.4	1251.5	1362.4	1465.5	1508.0	1437.0	1282.5	1081.2	897.2	739.0	649.1
37.5°	1074.6	1187.9	1303.2	1397.8	1394.8	1276.5	1066.0	858.3	703.6	610.1	546.1
40°	1022.9	1137.4	1262.0	1341.9	1307.7	1153.7	925.6	729.5	616.6	541.9	495.1
42.5°	973.3	1088.2	1212.0	1275.5	1216.1	1026.7	799.5	645.9	552.6	494.4	456.5
45°	888.8	1010.3	1124.8	1160.1	1053.8	845.2	646.5	535.1	473.1	429.9	403.7
47.5°	806.3	925.7	1030.3	1030.9	887.3	685.4	545.4	463.1	410.1	376.8	357.7
50°	755.8	869.3	957.1	943.5	780.5	609.7	487.7	416.8	372.6	346.9	326.9
52.5°	699.1	809.2	885.3	846.4	690.1	536.5	436.0	376.4	339.8	317.5	299.6
55°	616.6	714.3	767.9	709.1	562.9	446.2	368.4	321.7	294.4	275.4	260.2
57.5°	535.5	616.2	649.9	581.3	463.7	370.0	311.7	276.6	249.5	235.9	228.0
60°	484.7	553.5	577.1	501.5	403.1	323.8	275.9	243.4	223.4	214.4	206.6
62.5°	434.6	490.8	500.6	431.2	351.4	283.4	242.3	214.8	201.5	193.0	185.5
65°	360.6	401.1	396.3	340.6	278.1	225.0	195.0	178.2	168.2	156.1	143.0
67.5°	296.8	321.5	306.7	264.9	212.2	174.8	155.3	142.5	130.2	118.7	115.7
70°	256.5	270.7	254.9	216.6	174.0	146.6	130.9	115.7	108.3	105.7	100.9
72.5°	217.9	222.8	205.7	172.9	141.6	121.4	106.1	97.5	93.6	91.3	88.3
75°	163.5	159.8	145.0	119.3	98.3	84.6	79.9	76.8	74.1	72.0	70.4
77.5°	114.8	109.4	96.3	79.5	68.4	61.9	59.1	57.4	56.2	55.1	53.5
80°	86.2	82.5	69.4	56.8	52.0	48.9	47.3	45.2	45.2	44.1	42.5
82.5°	63.1	58.9	47.5	41.6	39.0	37.1	36.0	34.7	34.3	34.5	33.4
85°	33.1	26.8	23.7	22.6	21.0	20.0	20.5	19.4	19.4	19.4	18.9
87.5°	10.5	8.6	8.5	8.3	9.0	9.2	9.0	9.2	9.8	9.5	10.1
90°	1.9	3.2	4.6	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4
92.5°	11.1	10.9	10.9	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5
95°	32.0	27.9	23.8	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9
97.5°	60.0	48.6	37.2	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9
100°	81.3	64.4	47.5	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6
102.5°	123.9	120.3	116.7	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1
105°	172.3	176.0	179.7	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5
107.5°	218.5	221.5	224.4	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6
110°	248.3	250.9	253.4	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.4	278.7	280.9	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9
115°	321.0	323.1	325.2	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1
117.5°	361.2	363.6	365.9	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4
120°	390.1	391.9	393.7	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5
122.5°	415.0	416.9	418.9	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4
125°	452.5	454.1	455.7	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3
127.5°	486.9	488.7	490.4	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5
130°	508.8	510.8	512.8	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6
132.5°	530.8	532.4	534.1	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0
135°	559.8	561.8	563.8	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3
137.5°	588.4	589.9	591.2	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3
140°	607.1	608.1	609.1	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9
142.5°	623.0	623.9	624.8	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1
145°	647.1	647.0	646.8	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7
147.5°	668.6	668.1	667.7	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6
150°	682.4	681.5	680.6	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7
152.5°	694.3	693.3	692.3	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8
155°	711.5	710.4	709.3	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7
157.5°	725.3	724.4	723.4	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4
160°	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7
162.5°	740.6	739.9	739.1	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6
165°	750.1	749.4	748.7	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0
167.5°	757.2	756.5	755.7	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0
170°	761.2	760.5	759.8	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5
172.5°	763.9	763.2	762.4	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1
175°	767.2	766.4	765.5	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1
177.5°	767.9	767.2	766.6	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1565.7	1571.2	1573.7	1573.7	1576.7	1575.4	1574.1
5°	1655.7	1665.7	1667.8	1677.3	1684.1	1682.0	1683.1
7.5°	1745.2	1761.3	1777.1	1784.4	1785.5	1789.7	1791.3
10°	1800.2	1813.4	1838.1	1834.4	1852.8	1863.3	1845.9
12.5°	1853.2	1871.0	1888.2	1892.8	1903.3	1906.6	1899.8
15°	1901.2	1910.7	1911.7	1909.1	1912.2	1909.6	1899.6
17.5°	1856.4	1841.0	1809.9	1795.2	1783.5	1766.3	1759.4
20°	1782.4	1737.2	1684.6	1663.6	1638.9	1590.5	1602.1
22.5°	1622.6	1571.1	1518.5	1457.1	1427.8	1382.0	1379.2
25°	1374.0	1285.2	1187.4	1119.0	1079.1	1033.4	1013.4
27.5°	1068.3	956.4	876.3	835.8	798.8	762.6	761.1
30°	867.3	783.2	721.1	686.4	663.8	648.6	651.8
32.5°	731.0	673.4	631.6	602.8	586.1	574.6	574.4
35°	597.6	558.2	531.4	519.3	507.2	498.8	499.3
37.5°	511.4	487.7	472.9	459.5	451.9	447.8	445.5
40°	467.3	447.8	436.3	428.4	422.1	416.3	415.3
42.5°	432.4	416.3	404.7	398.5	392.6	388.6	387.5
45°	383.7	370.6	360.0	353.2	350.6	346.9	346.9
47.5°	341.4	328.4	320.2	315.9	311.4	309.0	308.9
50°	312.8	302.8	295.4	292.8	289.1	287.5	287.0
52.5°	287.1	279.6	274.4	272.6	271.0	269.0	269.3
55°	252.3	248.1	246.0	244.4	241.8	238.6	240.7
57.5°	223.0	219.4	213.7	208.7	206.4	204.1	205.0
60°	202.4	195.0	187.7	181.9	180.3	175.5	175.5
62.5°	176.3	166.0	156.9	153.7	152.1	149.9	149.5
65°	135.6	131.4	129.3	127.2	126.1	126.1	125.1
67.5°	112.4	110.7	108.4	107.9	106.8	106.5	106.2
70°	99.3	97.2	96.2	95.7	94.6	95.1	93.6
72.5°	86.7	85.1	84.8	83.5	82.9	82.9	81.8
75°	68.4	68.4	67.8	67.3	66.2	65.7	66.2
77.5°	52.6	52.7	51.7	51.7	51.5	51.7	51.1
80°	42.1	42.5	42.1	41.5	41.0	41.5	41.0
82.5°	33.2	32.5	32.4	32.2	32.2	31.8	31.8
85°	18.9	19.4	18.9	18.4	18.4	18.4	18.9
87.5°	9.7	9.8	10.0	10.0	10.1	10.1	9.7
90°	12.9	13.5	14.0	14.3	14.5	14.7	15.0
92.5°	13.9	14.2	14.4	14.5	14.7	14.8	15.0
95°	23.4	24.1	24.3	24.2	24.1	24.0	23.8
97.5°	30.4	30.9	31.2	31.4	31.5	31.7	31.8
100°	34.5	35.6	36.2	36.4	36.7	36.9	37.2
102.5°	36.4	37.6	38.4	38.8	39.1	39.5	39.8
105°	37.9	39.2	40.2	40.6	41.2	41.7	42.1
107.5°	43.3	41.8	41.4	41.9	42.4	42.9	43.3
110°	60.0	47.8	41.8	42.3	42.9	43.3	43.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	110.0	65.0	42.7	43.1	43.5	43.9	44.3
115°	171.0	113.9	81.0	72.1	63.2	54.3	45.5
117.5°	337.5	323.8	302.3	273.1	244.0	214.8	185.7
120°	410.9	412.4	404.8	388.2	371.5	354.9	338.3
122.5°	435.3	436.3	435.1	431.8	428.6	425.4	422.2
125°	471.2	472.1	472.7	473.0	473.4	473.8	474.1
127.5°	504.8	506.0	506.7	506.8	506.8	506.9	507.0
130°	525.9	527.3	527.9	527.8	527.7	527.5	527.4
132.5°	546.2	547.3	547.9	547.7	547.6	547.5	547.4
135°	575.4	576.7	577.2	576.9	576.7	576.5	576.2
137.5°	602.5	603.8	604.2	603.7	603.3	602.9	602.5
140°	620.0	621.2	621.4	620.8	620.1	619.5	618.9
142.5°	636.1	637.2	637.3	636.8	636.1	635.5	634.9
145°	658.6	659.5	659.7	659.0	658.4	657.7	657.2
147.5°	678.2	678.8	678.9	678.3	677.9	677.3	676.8
150°	690.5	691.2	691.3	690.6	690.0	689.4	688.8
152.5°	701.6	702.3	702.3	701.4	700.6	699.8	698.9
155°	716.5	717.2	717.1	716.1	715.2	714.2	713.2
157.5°	729.2	730.1	730.0	729.0	728.1	727.1	726.1
160°	736.5	737.2	737.1	736.3	735.4	734.6	733.7
162.5°	743.4	744.3	744.2	743.1	742.0	740.9	739.9
165°	751.8	752.7	752.7	751.8	751.0	750.1	749.2
167.5°	758.8	759.6	759.5	758.4	757.3	756.2	755.1
170°	762.3	763.2	763.1	762.0	760.9	759.8	758.7
172.5°	765.0	765.9	765.7	764.6	763.5	762.4	761.3
175°	767.9	768.7	768.6	767.3	766.1	764.9	763.7
177.5°	768.0	768.7	768.7	767.8	766.8	766.0	765.1
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4

(END OF REPORT)