

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: P332937-940

Luminaire Tested: **SA4XXRDIP-C795D810U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332937-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXRDIP-C795D810U940-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

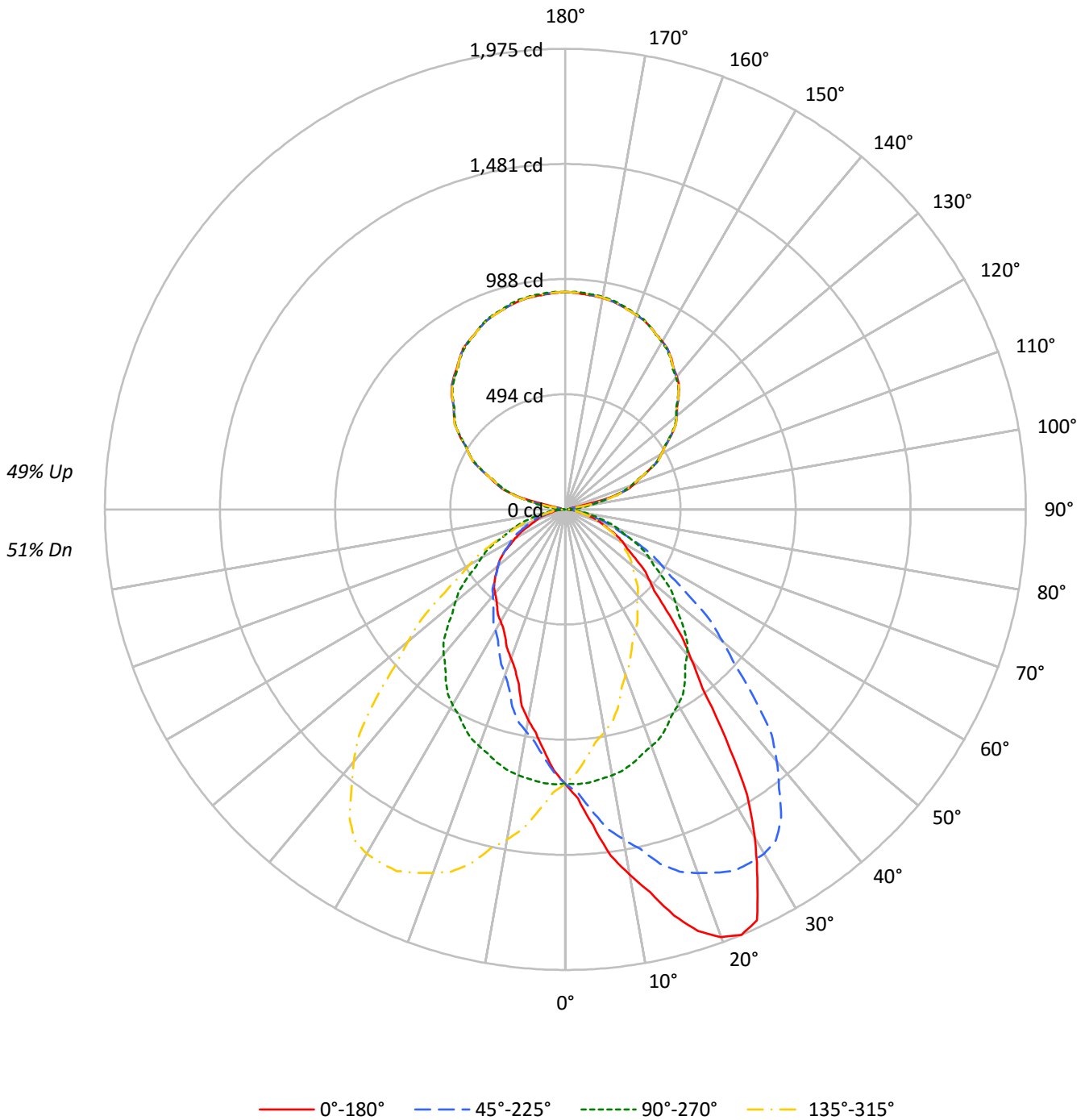
Lumens per Lamp: N/A  
Luminaire Lumens: 5861.6 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44				
2	90	83	77	72	83	77	72	67	66	62	58	55	52	50	45	44	42	37				
3	82	73	66	60	76	68	62	57	58	54	50	49	46	43	41	38	36	32				
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28				
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	33	30	28	25				
6	64	52	44	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22				
7	59	47	40	34	55	44	37	32	38	33	29	33	29	25	28	24	22	19				
8	55	43	35	30	51	40	33	29	35	30	26	30	26	23	25	22	20	17				
9	51	39	32	27	48	37	30	26	32	27	23	28	23	20	24	20	18	16				
10	48	36	29	24	44	34	27	23	30	24	21	26	21	19	22	19	16	14				

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

	0°	90°	180°	270°
0°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	1.9
10°-20°	344.0	5.9
20°-30°	538.1	9.2
30°-40°	598.2	10.2
40°-50°	530.7	9.1
50°-60°	413.6	7.1
60°-70°	270.8	4.6
70°-80°	133.1	2.3
80°-90°	35.6	0.6
90°-100°	31.9	0.5
100°-110°	203.3	3.5
110°-120°	388.9	6.6
120°-130°	493.7	8.4
130°-140°	528.2	9.0
140°-150°	493.9	8.4
150°-160°	398.3	6.8
160°-170°	256.9	4.4
170°-180°	88.5	1.5
0°-30°	996.2	17.0
0°-40°	1594.3	27.2
0°-60°	2538.6	43.3
0°-90°	2978.1	50.8
90°-120°	624.1	10.6
90°-150°	2139.8	36.5
90°-180°	2884.0	49.2
0°-180°	5861.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	27
90°	21	2	21	2	21	10
95°	20	38	20	38	20	16
105°	199	210	199	210	199	173
115°	395	392	395	392	395	391
125°	555	551	555	551	555	494
135°	688	683	688	683	688	530
145°	792	788	792	788	792	495
155°	863	864	863	864	863	398
165°	907	911	907	911	907	256
175°	927	932	927	932	927	88
180°	932	932	932	932	932	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	12.6	12.1	12.4	12.3	12.7	12.1	12.4	12.9	11.9	12.2	11.9
90°	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2	16.2	15.3	14.1
92.5°	19.3	19.2	19.1	19.1	19.0	18.5	17.6	16.7	15.7	14.8	13.6
95°	20.2	20.1	19.9	19.8	19.6	19.1	18.1	17.2	16.2	15.3	15.2
97.5°	19.5	19.4	19.2	19.1	18.9	18.8	18.7	18.6	18.5	18.4	35.7
100°	19.5	19.4	19.2	19.1	18.9	20.2	22.7	25.4	28.0	30.7	52.1
102.5°	20.1	20.1	20.0	20.0	20.0	34.2	62.6	91.0	119.4	147.8	150.6
105°	198.7	204.3	209.8	215.4	221.1	223.1	221.7	220.3	218.9	217.5	216.8
107.5°	277.0	276.3	275.7	275.2	274.6	273.9	273.2	272.6	271.9	271.3	270.2
110°	310.9	310.5	310.0	309.6	309.1	308.7	308.4	308.1	307.8	307.5	306.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	345.0	344.4	343.8	343.2	342.6	342.3	342.4	342.5	342.6	342.6	342.1
115°	394.7	394.7	394.7	394.7	394.7	394.5	394.1	393.9	393.5	393.2	393.4
117.5°	445.1	445.1	445.2	445.3	445.3	445.4	445.5	445.5	445.6	445.7	445.3
120°	476.9	477.2	477.5	477.9	478.1	478.1	477.9	477.5	477.2	476.9	477.1
122.5°	508.1	508.5	508.7	509.1	509.3	509.4	509.3	509.1	508.9	508.7	508.5
125°	555.0	554.8	554.6	554.6	554.4	554.0	553.6	553.1	552.7	552.2	552.5
127.5°	596.1	596.3	596.4	596.5	596.6	596.7	596.8	596.9	597.0	597.1	596.4
130°	624.0	624.0	624.0	624.0	624.0	623.9	623.8	623.7	623.5	623.3	622.9
132.5°	649.7	649.8	649.9	650.1	650.1	650.1	650.0	649.9	649.7	649.5	648.9
135°	688.1	687.9	687.5	687.2	686.9	686.6	686.3	686.0	685.6	685.4	684.7
137.5°	721.0	721.1	721.2	721.3	721.4	721.3	720.9	720.6	720.3	720.0	719.3
140°	744.0	743.8	743.6	743.5	743.3	743.0	742.5	742.1	741.6	741.1	740.8
142.5°	762.9	762.9	762.9	762.8	762.8	762.6	762.2	761.9	761.6	761.3	761.1
145°	792.0	791.8	791.4	791.1	790.8	790.6	790.4	790.2	790.1	790.0	790.0
147.5°	816.2	816.0	815.8	815.7	815.6	815.4	815.3	815.2	815.0	814.9	815.0
150°	831.8	831.6	831.4	831.3	831.2	831.1	831.1	831.1	831.1	831.1	831.3
152.5°	845.2	845.3	845.3	845.4	845.5	845.4	845.3	845.0	844.7	844.5	844.7
155°	863.2	863.6	864.1	864.5	865.0	865.0	864.3	863.7	863.1	862.5	862.9
157.5°	878.2	879.0	879.9	880.7	881.5	881.5	880.7	879.9	879.0	878.2	878.8
160°	888.2	889.2	890.1	891.1	892.0	892.0	891.1	890.1	889.2	888.2	888.4
162.5°	896.1	897.2	898.1	899.2	900.3	900.4	899.4	898.5	897.6	896.6	896.8
165°	907.0	908.5	909.9	911.2	912.7	912.8	911.5	910.3	909.0	907.8	907.8
167.5°	915.3	916.9	918.4	920.0	921.5	921.6	920.2	918.9	917.5	916.1	916.2
170°	920.3	921.9	923.5	925.0	926.5	926.7	925.4	924.2	922.9	921.8	921.6
172.5°	923.1	924.8	926.5	928.2	929.8	930.1	928.8	927.6	926.3	925.1	924.9
175°	926.6	928.4	930.3	932.2	934.1	934.2	932.9	931.5	930.1	928.7	928.5
177.5°	928.8	930.3	931.8	933.3	934.8	935.0	934.1	933.1	932.0	931.0	930.9
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	11.7	11.1	11.6	11.2	11.3	12.5	13.3	13.3	12.5	11.7	11.0
90°	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1	3.8	5.5	7.2
92.5°	12.3	11.1	9.8	9.2	9.1	9.0	8.9	8.8	8.9	9.0	9.1
95°	15.1	14.9	14.7	17.3	22.6	27.8	33.1	38.3	33.1	27.8	22.6
97.5°	53.0	70.3	87.6	94.6	91.3	88.0	84.7	81.4	84.7	88.0	91.3
100°	73.5	94.8	116.2	125.5	122.7	119.9	117.2	114.3	117.2	119.9	122.7
102.5°	153.4	156.1	159.0	159.3	157.3	155.2	153.2	151.1	153.2	155.2	157.3
105°	216.0	215.2	214.5	213.6	212.7	211.7	210.8	209.8	210.8	211.7	212.7
107.5°	269.1	268.0	267.0	266.3	265.8	265.3	264.8	264.4	264.8	265.3	265.8
110°	305.6	304.7	303.7	303.1	302.6	302.1	301.7	301.2	301.7	302.1	302.6





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	341.7	341.3	340.9	340.3	339.4	338.6	337.7	336.9	337.7	338.6	339.4
115°	393.5	393.7	393.9	393.7	393.2	392.8	392.3	391.8	392.3	392.8	393.2
117.5°	445.0	444.6	444.3	443.8	443.2	442.6	441.9	441.3	441.9	442.6	443.2
120°	477.2	477.3	477.5	477.2	476.7	476.1	475.5	474.8	475.5	476.1	476.7
122.5°	508.3	508.0	507.8	507.6	507.1	506.8	506.4	506.0	506.4	506.8	507.1
125°	552.9	553.1	553.4	553.3	552.7	552.1	551.4	550.8	551.4	552.1	552.7
127.5°	595.7	594.9	594.2	593.8	593.7	593.5	593.3	593.2	593.3	593.5	593.7
130°	622.4	621.9	621.4	621.2	621.0	620.8	620.7	620.5	620.7	620.8	621.0
132.5°	648.4	647.7	647.2	646.8	646.5	646.2	645.9	645.6	645.9	646.2	646.5
135°	684.1	683.5	682.9	682.7	682.8	683.0	683.1	683.3	683.1	683.0	682.8
137.5°	718.6	717.9	717.2	716.8	716.8	716.8	716.7	716.6	716.7	716.8	716.8
140°	740.6	740.2	739.9	739.6	739.3	739.0	738.7	738.3	738.7	739.0	739.3
142.5°	760.9	760.6	760.5	760.1	759.6	759.0	758.4	757.9	758.4	759.0	759.6
145°	790.0	790.0	790.0	789.7	789.3	788.8	788.4	787.8	788.4	788.8	789.3
147.5°	815.2	815.4	815.6	815.2	814.3	813.4	812.6	811.7	812.6	813.4	814.3
150°	831.4	831.5	831.7	831.4	830.9	830.3	829.6	829.0	829.6	830.3	830.9
152.5°	845.1	845.3	845.6	845.5	845.0	844.5	844.0	843.5	844.0	844.5	845.0
155°	863.4	863.9	864.3	864.5	864.3	864.2	864.0	863.9	864.0	864.2	864.3
157.5°	879.3	879.8	880.3	880.7	880.7	880.8	880.9	881.0	880.9	880.8	880.7
160°	888.6	888.8	888.9	889.2	889.7	890.1	890.6	891.1	890.6	890.1	889.7
162.5°	897.0	897.1	897.2	897.6	898.2	898.8	899.4	900.0	899.4	898.8	898.2
165°	907.8	907.8	907.8	908.2	908.9	909.7	910.5	911.2	910.5	909.7	908.9
167.5°	916.3	916.4	916.5	916.9	917.7	918.6	919.4	920.2	919.4	918.6	917.7
170°	921.4	921.2	921.1	921.5	922.4	923.4	924.3	925.2	924.3	923.4	922.4
172.5°	924.8	924.6	924.4	924.9	925.8	926.7	927.6	928.5	927.6	926.7	925.8
175°	928.4	928.3	928.1	928.4	929.4	930.3	931.2	932.2	931.2	930.3	929.4
177.5°	930.6	930.3	930.1	930.4	931.2	932.1	933.0	933.9	933.0	932.1	931.2
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	11.2	11.1	11.4	10.9	11.5	11.8	11.6	11.8	12.4	11.8	11.9
90°	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2	18.1	19.1	19.7
92.5°	9.2	9.8	11.1	12.3	13.6	14.8	15.7	16.7	17.6	18.5	19.0
95°	17.3	14.7	14.9	15.1	15.2	15.3	16.2	17.2	18.1	19.1	19.6
97.5°	94.6	87.6	70.3	53.0	35.7	18.4	18.5	18.6	18.7	18.8	18.9
100°	125.5	116.2	94.8	73.5	52.1	30.7	28.0	25.4	22.7	20.2	18.9
102.5°	159.3	159.0	156.1	153.4	150.6	147.8	119.4	91.0	62.6	34.2	20.0
105°	213.6	214.5	215.2	216.0	216.8	217.5	218.9	220.3	221.7	223.1	221.1
107.5°	266.3	267.0	268.0	269.1	270.2	271.3	271.9	272.6	273.2	273.9	274.6
110°	303.1	303.7	304.7	305.6	306.6	307.5	307.8	308.1	308.4	308.7	309.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	340.3	340.9	341.3	341.7	342.1	342.6	342.6	342.5	342.4	342.3	342.6
115°	393.7	393.9	393.7	393.5	393.4	393.2	393.5	393.9	394.1	394.5	394.7
117.5°	443.8	444.3	444.6	445.0	445.3	445.7	445.6	445.5	445.5	445.4	445.3
120°	477.2	477.5	477.3	477.2	477.1	476.9	477.2	477.5	477.9	478.1	478.1
122.5°	507.6	507.8	508.0	508.3	508.5	508.7	508.9	509.1	509.3	509.4	509.3
125°	553.3	553.4	553.1	552.9	552.5	552.2	552.7	553.1	553.6	554.0	554.4
127.5°	593.8	594.2	594.9	595.7	596.4	597.1	597.0	596.9	596.8	596.7	596.6
130°	621.2	621.4	621.9	622.4	622.9	623.3	623.5	623.7	623.8	623.9	624.0
132.5°	646.8	647.2	647.7	648.4	648.9	649.5	649.7	649.9	650.0	650.1	650.1
135°	682.7	682.9	683.5	684.1	684.7	685.4	685.6	686.0	686.3	686.6	686.9
137.5°	716.8	717.2	717.9	718.6	719.3	720.0	720.3	720.6	720.9	721.3	721.4
140°	739.6	739.9	740.2	740.6	740.8	741.1	741.6	742.1	742.5	743.0	743.3
142.5°	760.1	760.5	760.6	760.9	761.1	761.3	761.6	761.9	762.2	762.6	762.8
145°	789.7	790.0	790.0	790.0	790.0	790.0	790.1	790.2	790.4	790.6	790.8
147.5°	815.2	815.6	815.4	815.2	815.0	814.9	815.0	815.2	815.3	815.4	815.6
150°	831.4	831.7	831.5	831.4	831.3	831.1	831.1	831.1	831.1	831.1	831.2
152.5°	845.5	845.6	845.3	845.1	844.7	844.5	844.7	845.0	845.3	845.4	845.5
155°	864.5	864.3	863.9	863.4	862.9	862.5	863.1	863.7	864.3	865.0	865.0
157.5°	880.7	880.3	879.8	879.3	878.8	878.2	879.0	879.9	880.7	881.5	881.5
160°	889.2	888.9	888.8	888.6	888.4	888.2	889.2	890.1	891.1	892.0	892.0
162.5°	897.6	897.2	897.1	897.0	896.8	896.6	897.6	898.5	899.4	900.4	900.3
165°	908.2	907.8	907.8	907.8	907.8	907.8	909.0	910.3	911.5	912.8	912.7
167.5°	916.9	916.5	916.4	916.3	916.2	916.1	917.5	918.9	920.2	921.6	921.5
170°	921.5	921.1	921.2	921.4	921.6	921.8	922.9	924.2	925.4	926.7	926.5
172.5°	924.9	924.4	924.6	924.8	924.9	925.1	926.3	927.6	928.8	930.1	929.8
175°	928.4	928.1	928.3	928.4	928.5	928.7	930.1	931.5	932.9	934.2	934.1
177.5°	930.4	930.1	930.3	930.6	930.9	931.0	932.0	933.1	934.1	935.0	934.8
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332937-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	12.8	12.4	12.1	12.6	12.1	12.4	12.8	11.9	11.8	12.4	11.8
90°	20.0	20.3	20.6	21.0	20.6	20.3	20.0	19.7	19.1	18.1	17.2
92.5°	19.1	19.1	19.2	19.3	19.2	19.1	19.1	19.0	18.5	17.6	16.7
95°	19.8	19.9	20.1	20.2	20.1	19.9	19.8	19.6	19.1	18.1	17.2
97.5°	19.1	19.2	19.4	19.5	19.4	19.2	19.1	18.9	18.8	18.7	18.6
100°	19.1	19.2	19.4	19.5	19.4	19.2	19.1	18.9	20.2	22.7	25.4
102.5°	20.0	20.0	20.1	20.1	20.1	20.0	20.0	20.0	34.2	62.6	91.0
105°	215.4	209.8	204.3	198.7	204.3	209.8	215.4	221.1	223.1	221.7	220.3
107.5°	275.2	275.7	276.3	277.0	276.3	275.7	275.2	274.6	273.9	273.2	272.6
110°	309.6	310.0	310.5	310.9	310.5	310.0	309.6	309.1	308.7	308.4	308.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	343.2	343.8	344.4	345.0	344.4	343.8	343.2	342.6	342.3	342.4	342.5
115°	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.7	394.5	394.1	393.9
117.5°	445.3	445.2	445.1	445.1	445.1	445.2	445.3	445.3	445.4	445.5	445.5
120°	477.9	477.5	477.2	476.9	477.2	477.5	477.9	478.1	478.1	477.9	477.5
122.5°	509.1	508.7	508.5	508.1	508.5	508.7	509.1	509.3	509.4	509.3	509.1
125°	554.6	554.6	554.8	555.0	554.8	554.6	554.6	554.4	554.0	553.6	553.1
127.5°	596.5	596.4	596.3	596.1	596.3	596.4	596.5	596.6	596.7	596.8	596.9
130°	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	623.9	623.8	623.7
132.5°	650.1	649.9	649.8	649.7	649.8	649.9	650.1	650.1	650.1	650.0	649.9
135°	687.2	687.5	687.9	688.1	687.9	687.5	687.2	686.9	686.6	686.3	686.0
137.5°	721.3	721.2	721.1	721.0	721.1	721.2	721.3	721.4	721.3	720.9	720.6
140°	743.5	743.6	743.8	744.0	743.8	743.6	743.5	743.3	743.0	742.5	742.1
142.5°	762.8	762.9	762.9	762.9	762.9	762.9	762.8	762.8	762.6	762.2	761.9
145°	791.1	791.4	791.8	792.0	791.8	791.4	791.1	790.8	790.6	790.4	790.2
147.5°	815.7	815.8	816.0	816.2	816.0	815.8	815.7	815.6	815.4	815.3	815.2
150°	831.3	831.4	831.6	831.8	831.6	831.4	831.3	831.2	831.1	831.1	831.1
152.5°	845.4	845.3	845.3	845.2	845.3	845.3	845.4	845.5	845.4	845.3	845.0
155°	864.5	864.1	863.6	863.2	863.6	864.1	864.5	865.0	865.0	864.3	863.7
157.5°	880.7	879.9	879.0	878.2	879.0	879.9	880.7	881.5	881.5	880.7	879.9
160°	891.1	890.1	889.2	888.2	889.2	890.1	891.1	892.0	892.0	891.1	890.1
162.5°	899.2	898.1	897.2	896.1	897.2	898.1	899.2	900.3	900.4	899.4	898.5
165°	911.2	909.9	908.5	907.0	908.5	909.9	911.2	912.7	912.8	911.5	910.3
167.5°	920.0	918.4	916.9	915.3	916.9	918.4	920.0	921.5	921.6	920.2	918.9
170°	925.0	923.5	921.9	920.3	921.9	923.5	925.0	926.5	926.7	925.4	924.2
172.5°	928.2	926.5	924.8	923.1	924.8	926.5	928.2	929.8	930.1	928.8	927.6
175°	932.2	930.3	928.4	926.6	928.4	930.3	932.2	934.1	934.2	932.9	931.5
177.5°	933.3	931.8	930.3	928.8	930.3	931.8	933.3	934.8	935.0	934.1	933.1
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332937-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	11.6	11.8	11.5	10.9	11.4	11.1	11.2	11.0	11.7	12.5	13.3
90°	16.2	15.3	14.1	12.8	11.6	10.3	8.9	7.2	5.5	3.8	2.1
92.5°	15.7	14.8	13.6	12.3	11.1	9.8	9.2	9.1	9.0	8.9	8.8
95°	16.2	15.3	15.2	15.1	14.9	14.7	17.3	22.6	27.8	33.1	38.3
97.5°	18.5	18.4	35.7	53.0	70.3	87.6	94.6	91.3	88.0	84.7	81.4
100°	28.0	30.7	52.1	73.5	94.8	116.2	125.5	122.7	119.9	117.2	114.3
102.5°	119.4	147.8	150.6	153.4	156.1	159.0	159.3	157.3	155.2	153.2	151.1
105°	218.9	217.5	216.8	216.0	215.2	214.5	213.6	212.7	211.7	210.8	209.8
107.5°	271.9	271.3	270.2	269.1	268.0	267.0	266.3	265.8	265.3	264.8	264.4
110°	307.8	307.5	306.6	305.6	304.7	303.7	303.1	302.6	302.1	301.7	301.2



TEST NUMBER: P332937-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	342.6	342.6	342.1	341.7	341.3	340.9	340.3	339.4	338.6	337.7	336.9
115°	393.5	393.2	393.4	393.5	393.7	393.9	393.7	393.2	392.8	392.3	391.8
117.5°	445.6	445.7	445.3	445.0	444.6	444.3	443.8	443.2	442.6	441.9	441.3
120°	477.2	476.9	477.1	477.2	477.3	477.5	477.2	476.7	476.1	475.5	474.8
122.5°	508.9	508.7	508.5	508.3	508.0	507.8	507.6	507.1	506.8	506.4	506.0
125°	552.7	552.2	552.5	552.9	553.1	553.4	553.3	552.7	552.1	551.4	550.8
127.5°	597.0	597.1	596.4	595.7	594.9	594.2	593.8	593.7	593.5	593.3	593.2
130°	623.5	623.3	622.9	622.4	621.9	621.4	621.2	621.0	620.8	620.7	620.5
132.5°	649.7	649.5	648.9	648.4	647.7	647.2	646.8	646.5	646.2	645.9	645.6
135°	685.6	685.4	684.7	684.1	683.5	682.9	682.7	682.8	683.0	683.1	683.3
137.5°	720.3	720.0	719.3	718.6	717.9	717.2	716.8	716.8	716.8	716.7	716.6
140°	741.6	741.1	740.8	740.6	740.2	739.9	739.6	739.3	739.0	738.7	738.3
142.5°	761.6	761.3	761.1	760.9	760.6	760.5	760.1	759.6	759.0	758.4	757.9
145°	790.1	790.0	790.0	790.0	790.0	790.0	789.7	789.3	788.8	788.4	787.8
147.5°	815.0	814.9	815.0	815.2	815.4	815.6	815.2	814.3	813.4	812.6	811.7
150°	831.1	831.1	831.3	831.4	831.5	831.7	831.4	830.9	830.3	829.6	829.0
152.5°	844.7	844.5	844.7	845.1	845.3	845.6	845.5	845.0	844.5	844.0	843.5
155°	863.1	862.5	862.9	863.4	863.9	864.3	864.5	864.3	864.2	864.0	863.9
157.5°	879.0	878.2	878.8	879.3	879.8	880.3	880.7	880.7	880.8	880.9	881.0
160°	889.2	888.2	888.4	888.6	888.8	888.9	889.2	889.7	890.1	890.6	891.1
162.5°	897.6	896.6	896.8	897.0	897.1	897.2	897.6	898.2	898.8	899.4	900.0
165°	909.0	907.8	907.8	907.8	907.8	907.8	908.2	908.9	909.7	910.5	911.2
167.5°	917.5	916.1	916.2	916.3	916.4	916.5	916.9	917.7	918.6	919.4	920.2
170°	922.9	921.8	921.6	921.4	921.2	921.1	921.5	922.4	923.4	924.3	925.2
172.5°	926.3	925.1	924.9	924.8	924.6	924.4	924.9	925.8	926.7	927.6	928.5
175°	930.1	928.7	928.5	928.4	928.3	928.1	928.4	929.4	930.3	931.2	932.2
177.5°	932.0	931.0	930.9	930.6	930.3	930.1	930.4	931.2	932.1	933.0	933.9
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



TEST NUMBER: P332937-940  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	13.3	12.5	11.3	11.2	11.6	11.1	11.7	11.9	12.2	11.9	12.9
90°	3.8	5.5	7.2	8.9	10.3	11.6	12.8	14.1	15.3	16.2	17.2
92.5°	8.9	9.0	9.1	9.2	9.8	11.1	12.3	13.6	14.8	15.7	16.7
95°	33.1	27.8	22.6	17.3	14.7	14.9	15.1	15.2	15.3	16.2	17.2
97.5°	84.7	88.0	91.3	94.6	87.6	70.3	53.0	35.7	18.4	18.5	18.6
100°	117.2	119.9	122.7	125.5	116.2	94.8	73.5	52.1	30.7	28.0	25.4
102.5°	153.2	155.2	157.3	159.3	159.0	156.1	153.4	150.6	147.8	119.4	91.0
105°	210.8	211.7	212.7	213.6	214.5	215.2	216.0	216.8	217.5	218.9	220.3
107.5°	264.8	265.3	265.8	266.3	267.0	268.0	269.1	270.2	271.3	271.9	272.6
110°	301.7	302.1	302.6	303.1	303.7	304.7	305.6	306.6	307.5	307.8	308.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	337.7	338.6	339.4	340.3	340.9	341.3	341.7	342.1	342.6	342.6	342.5
115°	392.3	392.8	393.2	393.7	393.9	393.7	393.5	393.4	393.2	393.5	393.9
117.5°	441.9	442.6	443.2	443.8	444.3	444.6	445.0	445.3	445.7	445.6	445.5
120°	475.5	476.1	476.7	477.2	477.5	477.3	477.2	477.1	476.9	477.2	477.5
122.5°	506.4	506.8	507.1	507.6	507.8	508.0	508.3	508.5	508.7	508.9	509.1
125°	551.4	552.1	552.7	553.3	553.4	553.1	552.9	552.5	552.2	552.7	553.1
127.5°	593.3	593.5	593.7	593.8	594.2	594.9	595.7	596.4	597.1	597.0	596.9
130°	620.7	620.8	621.0	621.2	621.4	621.9	622.4	622.9	623.3	623.5	623.7
132.5°	645.9	646.2	646.5	646.8	647.2	647.7	648.4	648.9	649.5	649.7	649.9
135°	683.1	683.0	682.8	682.7	682.9	683.5	684.1	684.7	685.4	685.6	686.0
137.5°	716.7	716.8	716.8	716.8	717.2	717.9	718.6	719.3	720.0	720.3	720.6
140°	738.7	739.0	739.3	739.6	739.9	740.2	740.6	740.8	741.1	741.6	742.1
142.5°	758.4	759.0	759.6	760.1	760.5	760.6	760.9	761.1	761.3	761.6	761.9
145°	788.4	788.8	789.3	789.7	790.0	790.0	790.0	790.0	790.0	790.1	790.2
147.5°	812.6	813.4	814.3	815.2	815.6	815.4	815.2	815.0	814.9	815.0	815.2
150°	829.6	830.3	830.9	831.4	831.7	831.5	831.4	831.3	831.1	831.1	831.1
152.5°	844.0	844.5	845.0	845.5	845.6	845.3	845.1	844.7	844.5	844.7	845.0
155°	864.0	864.2	864.3	864.5	864.3	863.9	863.4	862.9	862.5	863.1	863.7
157.5°	880.9	880.8	880.7	880.7	880.3	879.8	879.3	878.8	878.2	879.0	879.9
160°	890.6	890.1	889.7	889.2	888.9	888.8	888.6	888.4	888.2	889.2	890.1
162.5°	899.4	898.8	898.2	897.6	897.2	897.1	897.0	896.8	896.6	897.6	898.5
165°	910.5	909.7	908.9	908.2	907.8	907.8	907.8	907.8	907.8	909.0	910.3
167.5°	919.4	918.6	917.7	916.9	916.5	916.4	916.3	916.2	916.1	917.5	918.9
170°	924.3	923.4	922.4	921.5	921.1	921.2	921.4	921.6	921.8	922.9	924.2
172.5°	927.6	926.7	925.8	924.9	924.4	924.6	924.8	924.9	925.1	926.3	927.6
175°	931.2	930.3	929.4	928.4	928.1	928.3	928.4	928.5	928.7	930.1	931.5
177.5°	933.0	932.1	931.2	930.4	930.1	930.3	930.6	930.9	931.0	932.0	933.1
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2	932.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	12.4	12.1	12.7	12.3	12.4	12.1	12.6
90°	18.1	19.1	19.7	20.0	20.3	20.6	21.0
92.5°	17.6	18.5	19.0	19.1	19.1	19.2	19.3
95°	18.1	19.1	19.6	19.8	19.9	20.1	20.2
97.5°	18.7	18.8	18.9	19.1	19.2	19.4	19.5
100°	22.7	20.2	18.9	19.1	19.2	19.4	19.5
102.5°	62.6	34.2	20.0	20.0	20.0	20.1	20.1
105°	221.7	223.1	221.1	215.4	209.8	204.3	198.7
107.5°	273.2	273.9	274.6	275.2	275.7	276.3	277.0
110°	308.4	308.7	309.1	309.6	310.0	310.5	310.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	342.4	342.3	342.6	343.2	343.8	344.4	345.0
115°	394.1	394.5	394.7	394.7	394.7	394.7	394.7
117.5°	445.5	445.4	445.3	445.3	445.2	445.1	445.1
120°	477.9	478.1	478.1	477.9	477.5	477.2	476.9
122.5°	509.3	509.4	509.3	509.1	508.7	508.5	508.1
125°	553.6	554.0	554.4	554.6	554.6	554.8	555.0
127.5°	596.8	596.7	596.6	596.5	596.4	596.3	596.1
130°	623.8	623.9	624.0	624.0	624.0	624.0	624.0
132.5°	650.0	650.1	650.1	650.1	649.9	649.8	649.7
135°	686.3	686.6	686.9	687.2	687.5	687.9	688.1
137.5°	720.9	721.3	721.4	721.3	721.2	721.1	721.0
140°	742.5	743.0	743.3	743.5	743.6	743.8	744.0
142.5°	762.2	762.6	762.8	762.8	762.9	762.9	762.9
145°	790.4	790.6	790.8	791.1	791.4	791.8	792.0
147.5°	815.3	815.4	815.6	815.7	815.8	816.0	816.2
150°	831.1	831.1	831.2	831.3	831.4	831.6	831.8
152.5°	845.3	845.4	845.5	845.4	845.3	845.3	845.2
155°	864.3	865.0	865.0	864.5	864.1	863.6	863.2
157.5°	880.7	881.5	881.5	880.7	879.9	879.0	878.2
160°	891.1	892.0	892.0	891.1	890.1	889.2	888.2
162.5°	899.4	900.4	900.3	899.2	898.1	897.2	896.1
165°	911.5	912.8	912.7	911.2	909.9	908.5	907.0
167.5°	920.2	921.6	921.5	920.0	918.4	916.9	915.3
170°	925.4	926.7	926.5	925.0	923.5	921.9	920.3
172.5°	928.8	930.1	929.8	928.2	926.5	924.8	923.1
175°	932.9	934.2	934.1	932.2	930.3	928.4	926.6
177.5°	934.1	935.0	934.8	933.3	931.8	930.3	928.8
180°	932.2	932.2	932.2	932.2	932.2	932.2	932.2

(END OF REPORT)