

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: P332301-840

Luminaire Tested: **S123RDIP-S775D365U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332301-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S775D365U840-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4335.2 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Direct

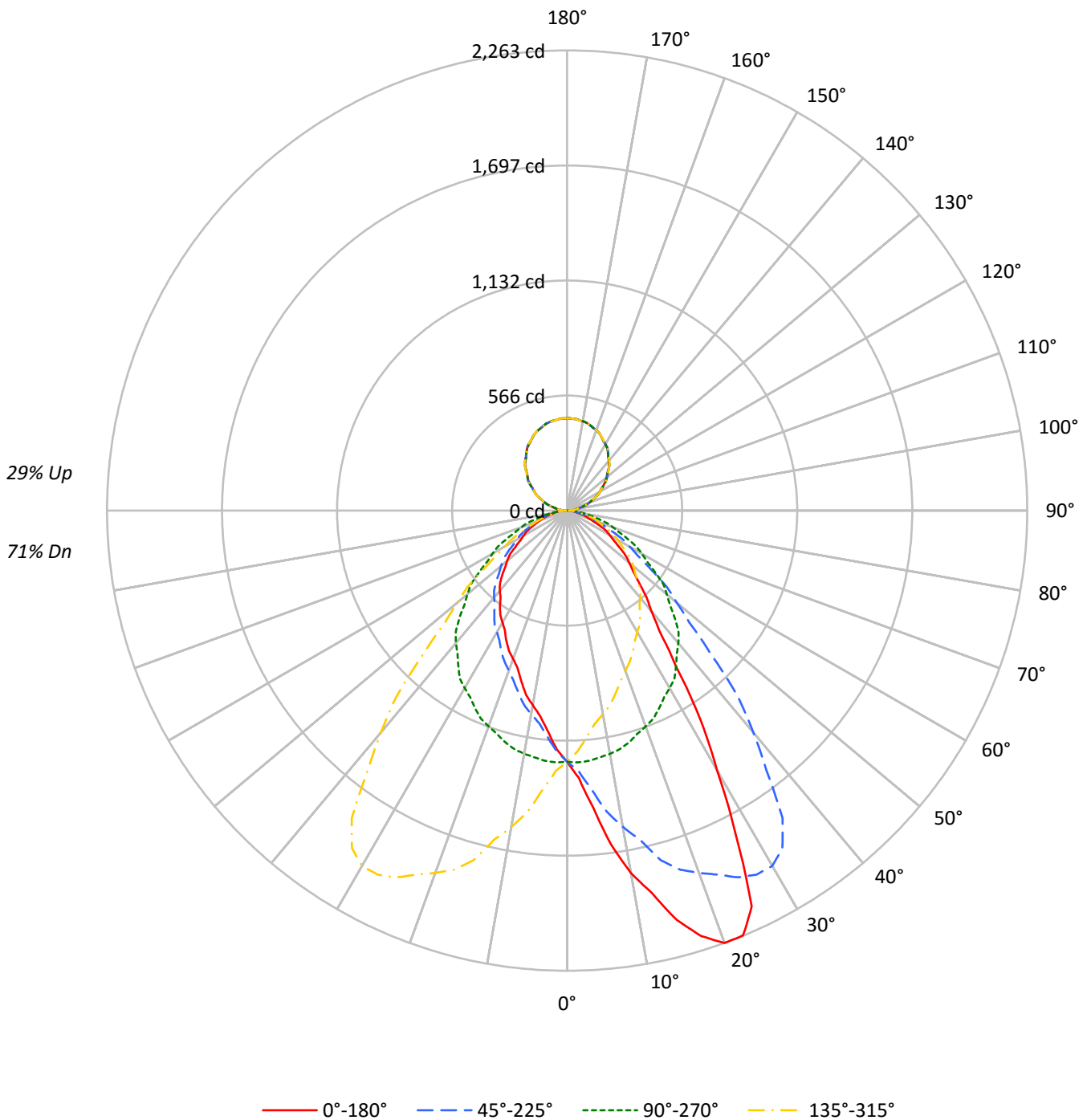
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95		85	85	85		75	75	75	71
1	103	99	95	92	98	94	91	88	85	82	80		76	74	72		68	67	65	61
2	95	88	82	77	90	83	78	74	75	71	68		68	65	62		61	58	56	53
3	87	78	71	65	82	74	68	63	67	62	58		61	57	53		55	52	49	46
4	80	69	62	56	76	66	59	54	60	55	50		55	50	46		49	46	43	40
5	74	62	54	48	70	60	52	47	54	48	44		49	45	41		45	41	38	35
6	68	56	48	43	65	54	47	41	49	43	39		45	40	36		41	37	34	31
7	64	51	43	38	60	49	42	37	45	39	35		41	36	32		38	33	30	28
8	59	47	39	34	56	45	38	33	41	35	31		38	33	29		35	30	27	25
9	55	43	36	30	52	41	34	30	38	32	28		35	30	26		32	28	25	23
10	52	40	32	28	49	38	31	27	35	29	25		33	28	24		30	26	23	21

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

	0°	90°	180°	270°
0°	13295	13295	13295	13295
5°	15847	13351	11757	13351
10°	19787	13274	10622	13274
15°	23226	13138	9686	13138
20°	25921	12936	8891	12936
25°	25508	12722	8402	12722
30°	18334	12525	7899	12525
35°	12242	12269	7573	12269
40°	9020	11960	7235	11960
45°	7566	11420	6905	11420
50°	6677	10712	6445	10712
55°	5853	9903	5814	9903
60°	5214	9128	5326	9128
65°	4579	8295	4956	8295
70°	3594	7553	4526	7553
75°	3165	6596	4134	6596
80°	2752	5604	4060	5604
85°	2223	4508	4310	4508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	2.8
10°-20°	379.5	8.8
20°-30°	596.1	13.8
30°-40°	621.9	14.3
40°-50°	532.3	12.3
50°-60°	405.7	9.4
60°-70°	260.0	6.0
70°-80°	125.1	2.9
80°-90°	34.4	0.8
90°-100°	29.6	0.7
100°-110°	88.6	2.0
110°-120°	150.7	3.5
120°-130°	198.2	4.6
130°-140°	222.7	5.1
140°-150°	219.0	5.1
150°-160°	184.3	4.3
160°-170°	122.7	2.8
170°-180°	43.0	1.0
0°-30°	1097.0	25.3
0°-40°	1719.0	39.7
0°-60°	2656.9	61.3
0°-90°	3076.5	71.0
90°-120°	268.8	6.2
90°-150°	908.7	21.0
90°-180°	1259.0	29.0
0°-180°	4335.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1235	1235	1235	1235	1235	
5°	1467	1236	1088	1236	1467	151
15°	2084	1179	869	1179	2084	591
25°	2148	1071	707	1071	2148	923
35°	932	934	576	934	932	611
45°	497	750	454	750	497	391
55°	312	528	310	528	312	282
65°	180	326	195	326	180	177
75°	76	159	99	159	76	82
85°	18	36	35	36	18	21
90°	11	0	11	0	11	6
95°	28	21	28	21	28	29
105°	85	80	85	80	85	90
115°	152	152	152	152	152	151
125°	219	222	219	222	219	196
135°	288	288	288	288	288	221
145°	349	349	349	349	349	218
155°	399	400	399	400	399	184
165°	434	436	434	436	434	122
175°	451	453	451	453	451	43
180°	454	454	454	454	454	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1315.5	1317.2	1311.6	1310.8	1304.4	1302.7	1302.7	1293.8	1288.4	1281.2	1277.0
5°	1466.6	1475.1	1470.9	1461.4	1445.5	1441.8	1431.8	1415.9	1398.0	1375.7	1365.1
7.5°	1655.5	1667.1	1662.6	1647.9	1631.3	1617.9	1589.5	1563.2	1526.3	1493.9	1466.2
10°	1810.3	1798.2	1788.7	1774.3	1759.1	1734.1	1704.6	1663.9	1616.8	1579.8	1538.5
12.5°	1926.2	1924.2	1912.2	1897.4	1875.8	1852.2	1815.8	1766.3	1711.5	1658.1	1610.9
15°	2084.2	2087.4	2079.4	2064.1	2033.5	1991.7	1936.7	1916.0	1837.9	1779.7	1721.5
17.5°	2193.5	2192.9	2191.8	2170.6	2139.3	2109.6	2058.6	2004.4	1933.5	1851.6	1773.2
20°	2262.9	2257.7	2258.7	2234.8	2211.6	2177.3	2127.6	2048.8	1990.6	1896.0	1815.0
22.5°	2261.2	2260.2	2264.2	2256.0	2239.1	2212.8	2173.6	2107.2	2033.0	1937.4	1846.3
25°	2147.7	2143.4	2168.3	2175.1	2202.1	2206.9	2195.2	2158.8	2088.4	1990.0	1877.4
27.5°	1797.5	1795.1	1841.2	1899.0	1972.1	2029.0	2084.0	2110.5	2088.4	2018.0	1905.2
30°	1475.1	1524.8	1548.1	1631.6	1724.6	1835.7	1933.0	2025.5	2048.2	2017.6	1925.0
32.5°	1224.8	1268.1	1287.5	1359.2	1445.9	1576.0	1721.9	1852.9	1945.5	1968.9	1913.2
35°	931.6	932.1	976.5	1008.2	1088.6	1222.3	1364.1	1539.6	1714.0	1846.2	1860.0
37.5°	743.4	746.0	772.8	804.5	864.7	935.5	1060.3	1206.2	1407.8	1610.6	1729.6
40°	641.9	646.6	666.7	697.9	741.2	794.7	891.9	1029.5	1197.5	1423.3	1607.8
42.5°	576.7	584.4	594.8	618.8	645.7	695.7	774.4	880.5	1033.4	1246.9	1459.8
45°	497.0	501.2	509.2	520.3	544.6	579.5	632.4	703.7	830.6	1002.5	1215.5
47.5°	438.4	436.2	444.5	453.5	469.7	493.5	529.0	587.2	677.7	815.6	996.3
50°	398.7	398.1	403.9	410.8	426.2	443.6	472.7	516.5	588.4	702.7	868.2
52.5°	361.4	363.5	367.6	376.2	387.2	401.3	427.4	459.0	520.8	619.4	757.3
55°	311.9	313.6	319.3	324.1	332.0	346.3	362.7	389.1	431.4	500.2	613.8
57.5°	270.0	269.3	274.9	276.1	285.1	296.7	309.4	329.9	360.6	411.6	488.2
60°	242.2	240.5	245.3	249.0	253.8	263.3	273.9	294.0	318.3	355.8	421.4
62.5°	216.8	216.0	219.5	223.2	227.1	235.8	244.7	260.1	279.3	311.0	363.0
65°	179.8	181.4	182.9	184.5	186.6	191.9	200.4	211.0	224.2	246.4	283.9
67.5°	141.3	142.9	143.4	146.6	151.2	154.5	159.7	169.1	178.2	197.0	218.3
70°	114.2	113.7	114.2	115.8	121.6	127.4	134.3	141.2	146.9	160.2	178.1
72.5°	98.2	97.1	98.6	98.9	101.7	103.3	107.7	114.1	121.6	130.6	143.5
75°	76.1	76.1	76.1	76.1	78.3	79.3	80.9	82.5	85.1	89.4	98.9
77.5°	56.2	56.4	57.1	57.7	58.1	58.7	59.7	61.2	62.2	64.4	68.6
80°	44.4	44.9	44.4	44.9	44.9	45.9	46.6	48.1	48.7	51.3	52.9
82.5°	33.4	33.1	33.4	33.9	33.9	35.0	35.1	36.3	36.4	37.8	39.4
85°	18.0	17.0	18.0	17.5	18.5	17.5	18.0	19.0	19.0	19.6	21.7
87.5°	6.4	7.2	6.3	6.7	6.7	7.1	7.0	6.9	7.7	7.2	7.5
90°	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2	8.9	8.6	7.6
92.5°	14.4	14.5	14.6	14.7	14.8	14.7	14.4	14.2	13.9	13.7	13.1
95°	27.9	27.9	27.9	27.9	27.9	27.7	27.4	27.1	26.8	26.5	25.8
97.5°	42.8	42.8	42.9	42.9	42.9	42.8	42.4	42.0	41.7	41.3	40.9
100°	54.2	54.1	53.9	53.7	53.6	53.4	53.2	52.9	52.7	52.4	52.1
102.5°	65.9	65.9	66.0	66.0	66.0	65.9	65.7	65.5	65.2	65.0	64.5
105°	84.9	84.8	84.6	84.4	84.3	84.2	84.2	84.2	84.2	84.2	83.5
107.5°	104.7	104.8	104.9	105.0	105.1	105.0	104.7	104.5	104.2	104.0	103.7
110°	118.2	118.3	118.5	118.6	118.8	118.7	118.4	118.1	117.8	117.4	117.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.4	132.4	132.5	132.5	132.5	132.4	132.0	131.6	131.2	130.9	130.8
115°	152.0	152.1	152.2	152.3	152.4	152.4	152.3	152.2	152.1	152.0	152.2
117.5°	172.0	172.2	172.4	172.6	172.8	173.0	173.0	173.0	173.0	173.0	173.2
120°	185.9	186.1	186.2	186.4	186.5	186.7	186.7	186.8	186.9	187.0	187.4
122.5°	199.3	199.5	199.8	200.1	200.3	200.5	200.7	200.9	201.1	201.3	201.5
125°	219.4	219.7	220.2	220.5	220.8	221.1	221.4	221.7	222.0	222.4	222.5
127.5°	239.5	239.9	240.2	240.7	241.0	241.4	241.9	242.3	242.8	243.2	243.4
130°	252.7	253.3	253.8	254.4	254.9	255.3	255.6	256.0	256.3	256.6	256.8
132.5°	266.4	266.8	267.2	267.6	268.1	268.5	268.8	269.2	269.6	270.0	270.1
135°	287.6	287.8	287.9	288.1	288.3	288.5	288.8	289.1	289.4	289.8	289.8
137.5°	306.4	306.7	307.0	307.3	307.6	307.9	308.3	308.6	308.9	309.2	309.0
140°	318.7	319.2	319.8	320.3	320.9	321.2	321.3	321.3	321.4	321.5	321.4
142.5°	331.2	331.6	332.1	332.5	333.0	333.3	333.3	333.4	333.5	333.6	333.4
145°	349.4	349.7	350.0	350.3	350.6	350.8	350.9	351.0	351.1	351.1	350.9
147.5°	365.5	366.0	366.5	367.0	367.4	367.7	367.7	367.7	367.7	367.7	367.4
150°	375.8	376.3	376.8	377.2	377.7	377.9	377.9	377.9	377.9	377.9	377.8
152.5°	385.8	386.2	386.6	387.0	387.4	387.6	387.5	387.3	387.2	387.1	387.0
155°	399.3	399.9	400.4	401.0	401.5	401.7	401.3	401.0	400.7	400.4	400.3
157.5°	411.7	412.1	412.6	413.0	413.4	413.5	413.2	412.8	412.5	412.2	412.1
160°	419.7	420.0	420.3	420.6	420.9	420.9	420.5	420.1	419.7	419.3	419.3
162.5°	425.7	426.2	426.7	427.2	427.7	427.8	427.4	427.0	426.6	426.2	426.2
165°	434.3	434.8	435.5	436.0	436.6	436.6	436.1	435.7	435.2	434.6	434.6
167.5°	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.6	442.1	441.7	441.6
170°	445.4	446.0	446.5	447.1	447.6	447.6	447.1	446.5	446.0	445.4	445.4
172.5°	448.3	448.8	449.4	449.9	450.5	450.5	450.0	449.5	449.0	448.5	448.5
175°	451.4	452.0	452.5	453.1	453.6	453.7	453.2	452.7	452.3	451.8	451.8
177.5°	453.1	453.6	454.0	454.5	454.9	454.9	454.5	454.2	453.8	453.4	453.4
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1275.3	1273.9	1268.1	1261.3	1252.4	1246.5	1241.8	1239.3	1231.7	1222.3	1216.1
5°	1354.0	1338.2	1321.3	1300.6	1281.6	1262.0	1249.9	1235.6	1218.2	1198.6	1184.9
7.5°	1438.5	1407.3	1373.8	1339.3	1305.0	1274.4	1247.4	1224.2	1196.4	1168.3	1148.7
10°	1503.2	1457.6	1410.6	1362.5	1318.6	1277.4	1245.7	1214.5	1181.1	1148.9	1124.6
12.5°	1562.0	1502.1	1447.8	1388.8	1332.6	1283.3	1237.6	1200.9	1160.8	1126.5	1098.7
15°	1636.4	1575.1	1509.4	1419.6	1345.0	1282.6	1227.2	1179.0	1130.4	1088.1	1061.2
17.5°	1706.0	1613.7	1525.6	1450.6	1353.7	1275.8	1208.0	1150.4	1097.1	1052.3	1019.1
20°	1734.7	1645.4	1549.6	1454.0	1358.8	1271.5	1192.8	1129.3	1073.8	1023.1	992.4
22.5°	1752.0	1650.8	1550.0	1447.2	1346.2	1255.5	1177.6	1107.7	1047.6	999.4	961.5
25°	1772.2	1651.7	1540.7	1439.2	1336.1	1237.7	1145.2	1071.2	1006.1	954.8	914.6
27.5°	1785.5	1643.8	1512.6	1399.7	1295.2	1197.2	1112.4	1034.0	968.0	913.7	870.6
30°	1788.1	1637.4	1491.0	1368.9	1262.5	1172.7	1082.8	1007.7	938.0	880.3	840.1
32.5°	1791.5	1621.7	1461.8	1332.0	1223.2	1134.2	1052.8	981.1	909.6	852.8	811.8
35°	1777.6	1613.2	1417.4	1268.4	1159.4	1073.3	999.8	933.7	863.4	808.4	766.6
37.5°	1717.5	1578.7	1371.6	1196.7	1082.8	1003.0	943.1	885.4	821.0	761.6	722.4
40°	1657.0	1544.9	1336.1	1153.2	1034.2	952.2	898.3	851.2	788.8	733.4	691.1
42.5°	1566.9	1498.8	1302.2	1107.4	979.2	900.2	854.7	810.6	755.9	699.5	659.7
45°	1401.6	1410.6	1232.9	1034.7	903.0	823.7	780.9	750.2	701.7	655.1	614.4
47.5°	1194.4	1278.4	1151.7	957.2	822.7	748.3	710.9	684.2	651.4	605.7	568.6
50°	1059.0	1179.0	1086.5	905.1	772.4	698.4	661.5	639.7	611.2	575.2	539.8
52.5°	934.2	1063.2	1007.8	847.2	717.9	650.3	614.1	596.2	573.5	539.7	507.7
55°	761.8	892.5	879.8	759.7	636.0	575.2	547.8	527.7	512.3	487.0	461.6
57.5°	616.3	740.1	746.7	662.5	563.9	503.8	480.2	465.0	455.0	435.9	412.4
60°	524.5	638.1	660.4	596.9	512.3	459.5	436.2	424.0	416.1	400.8	382.8
62.5°	448.4	545.1	570.3	524.6	462.8	413.3	395.2	383.4	378.0	364.8	348.9
65°	343.2	423.5	447.8	422.4	390.2	350.5	335.8	325.7	320.9	313.6	301.8
67.5°	258.0	316.6	343.3	325.4	313.8	288.7	279.2	273.9	269.6	264.6	254.9
70°	207.2	250.6	278.1	273.4	263.9	250.6	243.8	240.0	235.8	231.6	223.1
72.5°	166.6	196.5	222.3	224.7	216.9	214.2	208.2	206.6	204.1	199.0	194.4
75°	110.5	131.1	149.1	155.9	159.2	161.8	159.2	158.6	158.0	153.9	151.2
77.5°	72.4	83.5	94.8	106.5	111.6	115.1	116.0	118.0	116.5	114.3	113.0
80°	55.5	58.2	66.0	76.1	84.0	87.3	89.4	90.4	89.9	89.4	87.3
82.5°	40.3	42.5	46.3	53.3	60.0	65.2	66.6	66.3	67.5	67.8	66.0
85°	21.7	22.2	23.2	24.3	28.0	33.8	35.4	36.5	37.6	37.6	34.3
87.5°	8.1	7.5	8.1	7.9	9.0	9.3	11.6	13.6	14.1	12.6	12.8
90°	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.4	1.1	1.9	2.7
92.5°	12.5	11.9	11.3	10.8	10.3	9.7	9.2	8.7	9.2	9.7	10.3
95°	25.1	24.5	23.8	23.2	22.7	22.1	21.6	21.1	21.6	22.1	22.7
97.5°	40.4	40.0	39.5	39.1	38.7	38.3	37.8	37.4	37.8	38.3	38.7
100°	51.7	51.3	50.9	50.4	50.0	49.5	49.0	48.6	49.0	49.5	50.0
102.5°	64.0	63.4	62.9	62.5	62.2	61.9	61.7	61.4	61.7	61.9	62.2
105°	82.8	82.1	81.4	80.9	80.8	80.6	80.5	80.3	80.5	80.6	80.8
107.5°	103.4	103.1	102.8	102.7	102.6	102.5	102.4	102.3	102.4	102.5	102.6
110°	117.1	116.9	116.7	116.6	116.4	116.3	116.1	116.0	116.1	116.3	116.4





TEST NUMBER: P332301-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	130.8	130.8	130.7	130.7	130.6	130.5	130.4	130.3	130.4	130.5	130.6
115°	152.4	152.5	152.7	152.6	152.4	152.2	151.9	151.7	151.9	152.2	152.4
117.5°	173.4	173.6	173.8	173.9	173.7	173.6	173.4	173.2	173.4	173.6	173.7
120°	187.8	188.2	188.5	188.5	188.0	187.6	187.1	186.6	187.1	187.6	188.0
122.5°	201.7	201.9	202.1	202.1	201.7	201.4	201.0	200.7	201.0	201.4	201.7
125°	222.7	222.8	223.0	223.0	222.7	222.5	222.2	222.0	222.2	222.5	222.7
127.5°	243.5	243.7	243.9	243.7	243.2	242.7	242.2	241.7	242.2	242.7	243.2
130°	257.1	257.3	257.5	257.3	256.7	256.1	255.4	254.8	255.4	256.1	256.7
132.5°	270.3	270.5	270.7	270.4	269.8	269.2	268.6	267.9	268.6	269.2	269.8
135°	289.9	290.0	290.1	289.9	289.4	288.9	288.5	288.0	288.5	288.9	289.4
137.5°	308.8	308.6	308.4	308.1	307.7	307.3	307.0	306.6	307.0	307.3	307.7
140°	321.3	321.3	321.2	321.0	320.6	320.2	319.8	319.4	319.8	320.2	320.6
142.5°	333.3	333.2	333.0	332.6	332.3	331.9	331.5	331.1	331.5	331.9	332.3
145°	350.7	350.4	350.2	350.0	349.8	349.7	349.5	349.4	349.5	349.7	349.8
147.5°	367.2	367.0	366.8	366.5	366.3	366.0	365.7	365.4	365.7	366.0	366.3
150°	377.6	377.5	377.3	377.2	377.0	376.8	376.7	376.5	376.7	376.8	377.0
152.5°	386.9	386.8	386.7	386.6	386.3	386.1	385.9	385.7	385.9	386.1	386.3
155°	400.2	400.2	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
157.5°	412.0	412.0	411.9	411.9	412.0	412.1	412.2	412.3	412.2	412.1	412.0
160°	419.3	419.3	419.3	419.4	419.6	419.7	419.9	420.0	419.9	419.7	419.6
162.5°	426.1	426.0	426.0	426.0	426.3	426.5	426.7	426.9	426.7	426.5	426.3
165°	434.6	434.6	434.6	434.7	435.0	435.3	435.6	435.8	435.6	435.3	435.0
167.5°	441.5	441.5	441.4	441.5	441.8	442.2	442.5	442.8	442.5	442.2	441.8
170°	445.4	445.4	445.4	445.6	445.9	446.2	446.5	446.8	446.5	446.2	445.9
172.5°	448.5	448.5	448.5	448.7	449.0	449.3	449.6	450.0	449.6	449.3	449.0
175°	451.8	451.8	451.8	452.0	452.3	452.6	452.9	453.2	452.9	452.6	452.3
177.5°	453.4	453.4	453.4	453.5	453.8	454.0	454.3	454.5	454.3	454.0	453.8
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P332301-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1214.0	1208.4	1204.7	1196.2	1190.6	1184.8	1178.8	1182.7	1182.2	1181.7	1181.7
5°	1173.3	1161.0	1149.9	1135.7	1126.7	1115.6	1107.1	1106.1	1108.2	1100.8	1096.5
7.5°	1132.9	1116.2	1100.4	1084.7	1068.0	1054.7	1046.3	1042.4	1037.0	1032.5	1027.7
10°	1104.5	1084.9	1069.5	1050.1	1032.1	1016.2	1006.1	999.3	995.5	991.9	985.0
12.5°	1075.3	1056.1	1036.6	1014.5	997.3	979.0	971.5	963.7	956.6	952.5	943.1
15°	1032.6	1007.7	987.1	963.8	944.8	926.9	916.3	900.9	898.8	893.5	884.0
17.5°	989.8	962.8	934.3	917.2	895.6	877.0	860.8	855.7	840.5	834.9	826.6
20°	955.9	931.1	909.4	886.7	855.5	838.0	825.4	818.5	806.3	798.9	793.6
22.5°	926.8	901.5	876.4	849.9	824.2	804.6	795.3	784.6	778.0	767.6	761.8
25°	885.0	857.6	827.5	798.9	780.4	765.6	750.7	741.2	731.7	727.0	716.4
27.5°	836.7	807.9	779.7	758.1	735.4	720.7	707.3	698.8	687.4	679.4	673.6
30°	810.0	776.2	751.8	732.3	703.2	689.4	679.4	668.8	660.4	651.9	646.1
32.5°	779.1	748.2	725.2	700.9	678.6	663.7	650.7	641.4	634.1	626.1	620.3
35°	730.6	704.8	681.0	656.6	640.3	624.9	609.7	601.7	594.8	587.4	582.1
37.5°	686.9	662.7	640.1	617.0	596.7	584.2	571.9	565.8	556.5	551.6	546.1
40°	659.8	636.0	611.7	589.6	568.4	558.9	547.8	538.8	530.3	526.6	520.8
42.5°	630.3	606.4	585.9	562.0	544.7	531.8	521.5	511.7	505.3	500.0	496.7
45°	586.3	565.2	545.1	521.3	504.9	493.8	482.2	473.2	467.4	463.7	457.9
47.5°	543.7	522.6	502.2	481.4	465.5	452.9	441.3	435.0	427.3	422.7	418.9
50°	512.8	493.8	472.1	453.1	437.3	424.5	415.1	407.1	400.2	394.5	391.8
52.5°	484.5	464.2	445.5	427.8	411.0	396.7	388.0	379.6	374.5	367.8	364.7
55°	437.8	418.2	402.3	384.9	368.5	356.4	345.8	338.4	333.1	325.7	321.4
57.5°	393.8	376.4	357.4	342.2	325.4	315.1	306.3	296.3	289.8	284.1	279.9
60°	364.3	344.2	327.8	313.6	298.7	285.5	277.6	269.6	262.8	256.9	253.3
62.5°	333.5	315.9	300.3	284.8	271.2	259.7	250.5	243.9	237.8	234.1	230.5
65°	286.0	272.3	256.4	243.8	231.1	222.6	215.2	209.3	205.1	202.5	199.3
67.5°	242.5	229.1	215.3	202.8	194.4	187.9	183.1	178.0	175.9	172.6	170.5
70°	214.1	200.4	188.2	178.7	170.3	165.5	162.3	158.6	156.5	152.3	150.2
72.5°	183.3	173.3	164.5	156.7	150.0	145.6	141.6	137.0	133.7	129.0	126.9
75°	144.3	135.3	128.5	123.2	119.0	113.1	107.3	102.6	101.0	99.4	98.9
77.5°	106.9	101.2	96.2	91.8	86.5	82.3	81.0	80.0	79.6	78.8	78.8
80°	84.0	78.8	75.0	69.8	66.7	66.7	66.7	65.5	66.0	66.0	66.0
82.5°	62.5	57.7	55.6	53.7	53.1	53.5	53.5	53.7	53.4	54.2	53.8
85°	32.2	32.8	33.8	33.3	33.8	33.8	34.9	34.3	34.9	33.8	34.9
87.5°	12.5	14.0	14.6	15.2	15.9	15.7	16.2	16.3	16.7	16.8	16.9
90°	3.5	4.4	5.5	6.5	7.6	8.6	8.9	9.2	9.5	9.8	10.1
92.5°	10.8	11.3	11.9	12.5	13.1	13.7	13.9	14.2	14.4	14.7	14.8
95°	23.2	23.8	24.5	25.1	25.8	26.5	26.8	27.1	27.4	27.7	27.9
97.5°	39.1	39.5	40.0	40.4	40.9	41.3	41.7	42.0	42.4	42.8	42.9
100°	50.4	50.9	51.3	51.7	52.1	52.4	52.7	52.9	53.2	53.4	53.6
102.5°	62.5	62.9	63.4	64.0	64.5	65.0	65.2	65.5	65.7	65.9	66.0
105°	80.9	81.4	82.1	82.8	83.5	84.2	84.2	84.2	84.2	84.2	84.3
107.5°	102.7	102.8	103.1	103.4	103.7	104.0	104.2	104.5	104.7	105.0	105.1
110°	116.6	116.7	116.9	117.1	117.2	117.4	117.8	118.1	118.4	118.7	118.8



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.7	130.7	130.8	130.8	130.8	130.9	131.2	131.6	132.0	132.4	132.5
115°	152.6	152.7	152.5	152.4	152.2	152.0	152.1	152.2	152.3	152.4	152.4
117.5°	173.9	173.8	173.6	173.4	173.2	173.0	173.0	173.0	173.0	173.0	172.8
120°	188.5	188.5	188.2	187.8	187.4	187.0	186.9	186.8	186.7	186.7	186.5
122.5°	202.1	202.1	201.9	201.7	201.5	201.3	201.1	200.9	200.7	200.5	200.3
125°	223.0	223.0	222.8	222.7	222.5	222.4	222.0	221.7	221.4	221.1	220.8
127.5°	243.7	243.9	243.7	243.5	243.4	243.2	242.8	242.3	241.9	241.4	241.0
130°	257.3	257.5	257.3	257.1	256.8	256.6	256.3	256.0	255.6	255.3	254.9
132.5°	270.4	270.7	270.5	270.3	270.1	270.0	269.6	269.2	268.8	268.5	268.1
135°	289.9	290.1	290.0	289.9	289.8	289.8	289.4	289.1	288.8	288.5	288.3
137.5°	308.1	308.4	308.6	308.8	309.0	309.2	308.9	308.6	308.3	307.9	307.6
140°	321.0	321.2	321.3	321.3	321.4	321.5	321.4	321.3	321.3	321.2	320.9
142.5°	332.6	333.0	333.2	333.3	333.4	333.6	333.5	333.4	333.3	333.3	333.0
145°	350.0	350.2	350.4	350.7	350.9	351.1	351.1	351.0	350.9	350.8	350.6
147.5°	366.5	366.8	367.0	367.2	367.4	367.7	367.7	367.7	367.7	367.7	367.4
150°	377.2	377.3	377.5	377.6	377.8	377.9	377.9	377.9	377.9	377.9	377.7
152.5°	386.6	386.7	386.8	386.9	387.0	387.1	387.2	387.3	387.5	387.6	387.4
155°	400.1	400.1	400.2	400.2	400.3	400.4	400.7	401.0	401.3	401.7	401.5
157.5°	411.9	411.9	412.0	412.0	412.1	412.2	412.5	412.8	413.2	413.5	413.4
160°	419.4	419.3	419.3	419.3	419.3	419.3	419.7	420.1	420.5	420.9	420.9
162.5°	426.0	426.0	426.0	426.1	426.2	426.2	426.6	427.0	427.4	427.8	427.7
165°	434.7	434.6	434.6	434.6	434.6	434.6	435.2	435.7	436.1	436.6	436.6
167.5°	441.5	441.4	441.5	441.5	441.6	441.7	442.1	442.6	443.1	443.6	443.6
170°	445.6	445.4	445.4	445.4	445.4	445.4	446.0	446.5	447.1	447.6	447.6
172.5°	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5	450.0	450.5	450.5
175°	452.0	451.8	451.8	451.8	451.8	451.8	452.3	452.7	453.2	453.7	453.6
177.5°	453.5	453.4	453.4	453.4	453.4	453.4	453.8	454.2	454.5	454.9	454.9
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P332301-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1176.7	1176.3	1176.7	1175.0	1176.7	1176.3	1176.7	1181.7	1181.7	1182.2	1182.7
5°	1095.0	1094.4	1092.9	1088.1	1092.9	1094.4	1095.0	1096.5	1100.8	1108.2	1106.1
7.5°	1023.6	1022.9	1018.2	1018.3	1018.2	1022.9	1023.6	1027.7	1032.5	1037.0	1042.4
10°	981.3	981.8	975.5	971.8	975.5	981.8	981.3	985.0	991.9	995.5	999.3
12.5°	940.3	937.9	932.7	928.7	932.7	937.9	940.3	943.1	952.5	956.6	963.7
15°	886.2	880.8	868.2	869.2	868.2	880.8	886.2	884.0	893.5	898.8	900.9
17.5°	822.3	818.5	818.2	810.8	818.2	818.5	822.3	826.6	834.9	840.5	855.7
20°	785.2	782.5	783.6	776.2	783.6	782.5	785.2	793.6	798.9	806.3	818.5
22.5°	756.0	753.4	748.9	746.6	748.9	753.4	756.0	761.8	767.6	778.0	784.6
25°	713.3	709.0	704.8	707.4	704.8	709.0	713.3	716.4	727.0	731.7	741.2
27.5°	670.6	667.3	663.1	662.6	663.1	667.3	670.6	673.6	679.4	687.4	698.8
30°	643.5	640.3	638.1	635.5	638.1	640.3	643.5	646.1	651.9	660.4	668.8
32.5°	615.9	615.3	611.5	611.0	611.5	615.3	615.9	620.3	626.1	634.1	641.4
35°	580.0	576.8	575.7	576.3	575.7	576.8	580.0	582.1	587.4	594.8	601.7
37.5°	545.8	541.6	539.7	537.9	539.7	541.6	545.8	546.1	551.6	556.5	565.8
40°	521.3	517.1	516.0	514.9	516.0	517.1	521.3	520.8	526.6	530.3	538.8
42.5°	493.8	492.1	491.5	489.6	491.5	492.1	493.8	496.7	500.0	505.3	511.7
45°	456.3	455.8	452.6	453.6	452.6	455.8	456.3	457.9	463.7	467.4	473.2
47.5°	416.8	414.4	412.2	413.6	412.2	414.4	416.8	418.9	422.7	427.3	435.0
50°	389.7	388.6	383.8	384.9	383.8	388.6	389.7	391.8	394.5	400.2	407.1
52.5°	362.6	358.6	356.8	356.2	356.8	358.6	362.6	364.7	367.8	374.5	379.6
55°	317.8	313.0	310.8	309.8	310.8	313.0	317.8	321.4	325.7	333.1	338.4
57.5°	273.8	272.5	270.8	272.0	270.8	272.5	273.8	279.9	284.1	289.8	296.3
60°	247.9	247.9	247.9	247.4	247.9	247.9	247.9	253.3	256.9	262.8	269.6
62.5°	228.1	226.8	226.4	227.1	226.4	226.8	228.1	230.5	234.1	237.8	243.9
65°	197.7	197.2	195.1	194.6	195.1	197.2	197.7	199.3	202.5	205.1	209.3
67.5°	169.1	167.1	166.5	165.8	166.5	167.1	169.1	170.5	172.6	175.9	178.0
70°	147.5	146.4	143.3	143.8	143.3	146.4	147.5	150.2	152.3	156.5	158.6
72.5°	124.2	123.2	122.6	121.8	122.6	123.2	124.2	126.9	129.0	133.7	137.0
75°	98.4	97.9	97.3	99.4	97.3	97.9	98.4	98.9	99.4	101.0	102.6
77.5°	78.8	78.8	79.1	78.3	79.1	78.8	78.8	78.8	78.8	79.6	80.0
80°	66.0	66.0	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	65.5
82.5°	53.0	53.4	53.7	52.9	53.7	53.4	53.0	53.8	54.2	53.4	53.7
85°	34.9	34.3	35.4	34.9	35.4	34.3	34.9	34.9	33.8	34.9	34.3
87.5°	17.7	16.9	16.9	17.4	16.9	16.9	17.7	16.9	16.8	16.7	16.3
90°	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	9.8	9.5	9.2
92.5°	14.7	14.6	14.5	14.4	14.5	14.6	14.7	14.8	14.7	14.4	14.2
95°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.7	27.4	27.1
97.5°	42.9	42.9	42.8	42.8	42.8	42.9	42.9	42.9	42.8	42.4	42.0
100°	53.7	53.9	54.1	54.2	54.1	53.9	53.7	53.6	53.4	53.2	52.9
102.5°	66.0	66.0	65.9	65.9	65.9	66.0	66.0	66.0	65.9	65.7	65.5
105°	84.4	84.6	84.8	84.9	84.8	84.6	84.4	84.3	84.2	84.2	84.2
107.5°	105.0	104.9	104.8	104.7	104.8	104.9	105.0	105.1	105.0	104.7	104.5
110°	118.6	118.5	118.3	118.2	118.3	118.5	118.6	118.8	118.7	118.4	118.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	132.5	132.5	132.4	132.4	132.4	132.5	132.5	132.5	132.4	132.0	131.6
115°	152.3	152.2	152.1	152.0	152.1	152.2	152.3	152.4	152.4	152.3	152.2
117.5°	172.6	172.4	172.2	172.0	172.2	172.4	172.6	172.8	173.0	173.0	173.0
120°	186.4	186.2	186.1	185.9	186.1	186.2	186.4	186.5	186.7	186.7	186.8
122.5°	200.1	199.8	199.5	199.3	199.5	199.8	200.1	200.3	200.5	200.7	200.9
125°	220.5	220.2	219.7	219.4	219.7	220.2	220.5	220.8	221.1	221.4	221.7
127.5°	240.7	240.2	239.9	239.5	239.9	240.2	240.7	241.0	241.4	241.9	242.3
130°	254.4	253.8	253.3	252.7	253.3	253.8	254.4	254.9	255.3	255.6	256.0
132.5°	267.6	267.2	266.8	266.4	266.8	267.2	267.6	268.1	268.5	268.8	269.2
135°	288.1	287.9	287.8	287.6	287.8	287.9	288.1	288.3	288.5	288.8	289.1
137.5°	307.3	307.0	306.7	306.4	306.7	307.0	307.3	307.6	307.9	308.3	308.6
140°	320.3	319.8	319.2	318.7	319.2	319.8	320.3	320.9	321.2	321.3	321.3
142.5°	332.5	332.1	331.6	331.2	331.6	332.1	332.5	333.0	333.3	333.3	333.4
145°	350.3	350.0	349.7	349.4	349.7	350.0	350.3	350.6	350.8	350.9	351.0
147.5°	367.0	366.5	366.0	365.5	366.0	366.5	367.0	367.4	367.7	367.7	367.7
150°	377.2	376.8	376.3	375.8	376.3	376.8	377.2	377.7	377.9	377.9	377.9
152.5°	387.0	386.6	386.2	385.8	386.2	386.6	387.0	387.4	387.6	387.5	387.3
155°	401.0	400.4	399.9	399.3	399.9	400.4	401.0	401.5	401.7	401.3	401.0
157.5°	413.0	412.6	412.1	411.7	412.1	412.6	413.0	413.4	413.5	413.2	412.8
160°	420.6	420.3	420.0	419.7	420.0	420.3	420.6	420.9	420.9	420.5	420.1
162.5°	427.2	426.7	426.2	425.7	426.2	426.7	427.2	427.7	427.8	427.4	427.0
165°	436.0	435.5	434.8	434.3	434.8	435.5	436.0	436.6	436.6	436.1	435.7
167.5°	443.1	442.6	442.1	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.6
170°	447.1	446.5	446.0	445.4	446.0	446.5	447.1	447.6	447.6	447.1	446.5
172.5°	449.9	449.4	448.8	448.3	448.8	449.4	449.9	450.5	450.5	450.0	449.5
175°	453.1	452.5	452.0	451.4	452.0	452.5	453.1	453.6	453.7	453.2	452.7
177.5°	454.5	454.0	453.6	453.1	453.6	454.0	454.5	454.9	454.9	454.5	454.2
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P332301-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1178.8	1184.8	1190.6	1196.2	1204.7	1208.4	1214.0	1216.1	1222.3	1231.7	1239.3
5°	1107.1	1115.6	1126.7	1135.7	1149.9	1161.0	1173.3	1184.9	1198.6	1218.2	1235.6
7.5°	1046.3	1054.7	1068.0	1084.7	1100.4	1116.2	1132.9	1148.7	1168.3	1196.4	1224.2
10°	1006.1	1016.2	1032.1	1050.1	1069.5	1084.9	1104.5	1124.6	1148.9	1181.1	1214.5
12.5°	971.5	979.0	997.3	1014.5	1036.6	1056.1	1075.3	1098.7	1126.5	1160.8	1200.9
15°	916.3	926.9	944.8	963.8	987.1	1007.7	1032.6	1061.2	1088.1	1130.4	1179.0
17.5°	860.8	877.0	895.6	917.2	934.3	962.8	989.8	1019.1	1052.3	1097.1	1150.4
20°	825.4	838.0	855.5	886.7	909.4	931.1	955.9	992.4	1023.1	1073.8	1129.3
22.5°	795.3	804.6	824.2	849.9	876.4	901.5	926.8	961.5	999.4	1047.6	1107.7
25°	750.7	765.6	780.4	798.9	827.5	857.6	885.0	914.6	954.8	1006.1	1071.2
27.5°	707.3	720.7	735.4	758.1	779.7	807.9	836.7	870.6	913.7	968.0	1034.0
30°	679.4	689.4	703.2	732.3	751.8	776.2	810.0	840.1	880.3	938.0	1007.7
32.5°	650.7	663.7	678.6	700.9	725.2	748.2	779.1	811.8	852.8	909.6	981.1
35°	609.7	624.9	640.3	656.6	681.0	704.8	730.6	766.6	808.4	863.4	933.7
37.5°	571.9	584.2	596.7	617.0	640.1	662.7	686.9	722.4	761.6	821.0	885.4
40°	547.8	558.9	568.4	589.6	611.7	636.0	659.8	691.1	733.4	788.8	851.2
42.5°	521.5	531.8	544.7	562.0	585.9	606.4	630.3	659.7	699.5	755.9	810.6
45°	482.2	493.8	504.9	521.3	545.1	565.2	586.3	614.4	655.1	701.7	750.2
47.5°	441.3	452.9	465.5	481.4	502.2	522.6	543.7	568.6	605.7	651.4	684.2
50°	415.1	424.5	437.3	453.1	472.1	493.8	512.8	539.8	575.2	611.2	639.7
52.5°	388.0	396.7	411.0	427.8	445.5	464.2	484.5	507.7	539.7	573.5	596.2
55°	345.8	356.4	368.5	384.9	402.3	418.2	437.8	461.6	487.0	512.3	527.7
57.5°	306.3	315.1	325.4	342.2	357.4	376.4	393.8	412.4	435.9	455.0	465.0
60°	277.6	285.5	298.7	313.6	327.8	344.2	364.3	382.8	400.8	416.1	424.0
62.5°	250.5	259.7	271.2	284.8	300.3	315.9	333.5	348.9	364.8	378.0	383.4
65°	215.2	222.6	231.1	243.8	256.4	272.3	286.0	301.8	313.6	320.9	325.7
67.5°	183.1	187.9	194.4	202.8	215.3	229.1	242.5	254.9	264.6	269.6	273.9
70°	162.3	165.5	170.3	178.7	188.2	200.4	214.1	223.1	231.6	235.8	240.0
72.5°	141.6	145.6	150.0	156.7	164.5	173.3	183.3	194.4	199.0	204.1	206.6
75°	107.3	113.1	119.0	123.2	128.5	135.3	144.3	151.2	153.9	158.0	158.6
77.5°	81.0	82.3	86.5	91.8	96.2	101.2	106.9	113.0	114.3	116.5	118.0
80°	66.7	66.7	66.7	69.8	75.0	78.8	84.0	87.3	89.4	89.9	90.4
82.5°	53.5	53.5	53.1	53.7	55.6	57.7	62.5	66.0	67.8	67.5	66.3
85°	34.9	33.8	33.8	33.3	33.8	32.8	32.2	34.3	37.6	37.6	36.5
87.5°	16.2	15.7	15.9	15.2	14.6	14.0	12.5	12.8	12.6	14.1	13.6
90°	8.9	8.6	7.6	6.5	5.5	4.4	3.5	2.7	1.9	1.1	0.4
92.5°	13.9	13.7	13.1	12.5	11.9	11.3	10.8	10.3	9.7	9.2	8.7
95°	26.8	26.5	25.8	25.1	24.5	23.8	23.2	22.7	22.1	21.6	21.1
97.5°	41.7	41.3	40.9	40.4	40.0	39.5	39.1	38.7	38.3	37.8	37.4
100°	52.7	52.4	52.1	51.7	51.3	50.9	50.4	50.0	49.5	49.0	48.6
102.5°	65.2	65.0	64.5	64.0	63.4	62.9	62.5	62.2	61.9	61.7	61.4
105°	84.2	84.2	83.5	82.8	82.1	81.4	80.9	80.8	80.6	80.5	80.3
107.5°	104.2	104.0	103.7	103.4	103.1	102.8	102.7	102.6	102.5	102.4	102.3
110°	117.8	117.4	117.2	117.1	116.9	116.7	116.6	116.4	116.3	116.1	116.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	131.2	130.9	130.8	130.8	130.8	130.7	130.7	130.6	130.5	130.4	130.3
115°	152.1	152.0	152.2	152.4	152.5	152.7	152.6	152.4	152.2	151.9	151.7
117.5°	173.0	173.0	173.2	173.4	173.6	173.8	173.9	173.7	173.6	173.4	173.2
120°	186.9	187.0	187.4	187.8	188.2	188.5	188.5	188.0	187.6	187.1	186.6
122.5°	201.1	201.3	201.5	201.7	201.9	202.1	202.1	201.7	201.4	201.0	200.7
125°	222.0	222.4	222.5	222.7	222.8	223.0	223.0	222.7	222.5	222.2	222.0
127.5°	242.8	243.2	243.4	243.5	243.7	243.9	243.7	243.2	242.7	242.2	241.7
130°	256.3	256.6	256.8	257.1	257.3	257.5	257.3	256.7	256.1	255.4	254.8
132.5°	269.6	270.0	270.1	270.3	270.5	270.7	270.4	269.8	269.2	268.6	267.9
135°	289.4	289.8	289.8	289.9	290.0	290.1	289.9	289.4	288.9	288.5	288.0
137.5°	308.9	309.2	309.0	308.8	308.6	308.4	308.1	307.7	307.3	307.0	306.6
140°	321.4	321.5	321.4	321.3	321.3	321.2	321.0	320.6	320.2	319.8	319.4
142.5°	333.5	333.6	333.4	333.3	333.2	333.0	332.6	332.3	331.9	331.5	331.1
145°	351.1	351.1	350.9	350.7	350.4	350.2	350.0	349.8	349.7	349.5	349.4
147.5°	367.7	367.7	367.4	367.2	367.0	366.8	366.5	366.3	366.0	365.7	365.4
150°	377.9	377.9	377.8	377.6	377.5	377.3	377.2	377.0	376.8	376.7	376.5
152.5°	387.2	387.1	387.0	386.9	386.8	386.7	386.6	386.3	386.1	385.9	385.7
155°	400.7	400.4	400.3	400.2	400.2	400.1	400.1	400.1	400.1	400.1	400.1
157.5°	412.5	412.2	412.1	412.0	412.0	411.9	411.9	412.0	412.1	412.2	412.3
160°	419.7	419.3	419.3	419.3	419.3	419.3	419.4	419.6	419.7	419.9	420.0
162.5°	426.6	426.2	426.2	426.1	426.0	426.0	426.0	426.3	426.5	426.7	426.9
165°	435.2	434.6	434.6	434.6	434.6	434.6	434.7	435.0	435.3	435.6	435.8
167.5°	442.1	441.7	441.6	441.5	441.5	441.4	441.5	441.8	442.2	442.5	442.8
170°	446.0	445.4	445.4	445.4	445.4	445.4	445.6	445.9	446.2	446.5	446.8
172.5°	449.0	448.5	448.5	448.5	448.5	448.5	448.7	449.0	449.3	449.6	450.0
175°	452.3	451.8	451.8	451.8	451.8	451.8	452.0	452.3	452.6	452.9	453.2
177.5°	453.8	453.4	453.4	453.4	453.4	453.4	453.5	453.8	454.0	454.3	454.5
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1241.8	1246.5	1252.4	1261.3	1268.1	1273.9	1275.3	1277.0	1281.2	1288.4	1293.8
5°	1249.9	1262.0	1281.6	1300.6	1321.3	1338.2	1354.0	1365.1	1375.7	1398.0	1415.9
7.5°	1247.4	1274.4	1305.0	1339.3	1373.8	1407.3	1438.5	1466.2	1493.9	1526.3	1563.2
10°	1245.7	1277.4	1318.6	1362.5	1410.6	1457.6	1503.2	1538.5	1579.8	1616.8	1663.9
12.5°	1237.6	1283.3	1332.6	1388.8	1447.8	1502.1	1562.0	1610.9	1658.1	1711.5	1766.3
15°	1227.2	1282.6	1345.0	1419.6	1509.4	1575.1	1636.4	1721.5	1779.7	1837.9	1916.0
17.5°	1208.0	1275.8	1353.7	1450.6	1525.6	1613.7	1706.0	1773.2	1851.6	1933.5	2004.4
20°	1192.8	1271.5	1358.8	1454.0	1549.6	1645.4	1734.7	1815.0	1896.0	1990.6	2048.8
22.5°	1177.6	1255.5	1346.2	1447.2	1550.0	1650.8	1752.0	1846.3	1937.4	2033.0	2107.2
25°	1145.2	1237.7	1336.1	1439.2	1540.7	1651.7	1772.2	1877.4	1990.0	2088.4	2158.8
27.5°	1112.4	1197.2	1295.2	1399.7	1512.6	1643.8	1785.5	1905.2	2018.0	2088.4	2110.5
30°	1082.8	1172.7	1262.5	1368.9	1491.0	1637.4	1788.1	1925.0	2017.6	2048.2	2025.5
32.5°	1052.8	1134.2	1223.2	1332.0	1461.8	1621.7	1791.5	1913.2	1968.9	1945.5	1852.9
35°	999.8	1073.3	1159.4	1268.4	1417.4	1613.2	1777.6	1860.0	1846.2	1714.0	1539.6
37.5°	943.1	1003.0	1082.8	1196.7	1371.6	1578.7	1717.5	1729.6	1610.6	1407.8	1206.2
40°	898.3	952.2	1034.2	1153.2	1336.1	1544.9	1657.0	1607.8	1423.3	1197.5	1029.5
42.5°	854.7	900.2	979.2	1107.4	1302.2	1498.8	1566.9	1459.8	1246.9	1033.4	880.5
45°	780.9	823.7	903.0	1034.7	1232.9	1410.6	1401.6	1215.5	1002.5	830.6	703.7
47.5°	710.9	748.3	822.7	957.2	1151.7	1278.4	1194.4	996.3	815.6	677.7	587.2
50°	661.5	698.4	772.4	905.1	1086.5	1179.0	1059.0	868.2	702.7	588.4	516.5
52.5°	614.1	650.3	717.9	847.2	1007.8	1063.2	934.2	757.3	619.4	520.8	459.0
55°	547.8	575.2	636.0	759.7	879.8	892.5	761.8	613.8	500.2	431.4	389.1
57.5°	480.2	503.8	563.9	662.5	746.7	740.1	616.3	488.2	411.6	360.6	329.9
60°	436.2	459.5	512.3	596.9	660.4	638.1	524.5	421.4	355.8	318.3	294.0
62.5°	395.2	413.3	462.8	524.6	570.3	545.1	448.4	363.0	311.0	279.3	260.1
65°	335.8	350.5	390.2	422.4	447.8	423.5	343.2	283.9	246.4	224.2	211.0
67.5°	279.2	288.7	313.8	325.4	343.3	316.6	258.0	218.3	197.0	178.2	169.1
70°	243.8	250.6	263.9	273.4	278.1	250.6	207.2	178.1	160.2	146.9	141.2
72.5°	208.2	214.2	216.9	224.7	222.3	196.5	166.6	143.5	130.6	121.6	114.1
75°	159.2	161.8	159.2	155.9	149.1	131.1	110.5	98.9	89.4	85.1	82.5
77.5°	116.0	115.1	111.6	106.5	94.8	83.5	72.4	68.6	64.4	62.2	61.2
80°	89.4	87.3	84.0	76.1	66.0	58.2	55.5	52.9	51.3	48.7	48.1
82.5°	66.6	65.2	60.0	53.3	46.3	42.5	40.3	39.4	37.8	36.4	36.3
85°	35.4	33.8	28.0	24.3	23.2	22.2	21.7	21.7	19.6	19.0	19.0
87.5°	11.6	9.3	9.0	7.9	8.1	7.5	8.1	7.5	7.2	7.7	6.9
90°	1.1	1.9	2.7	3.5	4.4	5.5	6.5	7.6	8.6	8.9	9.2
92.5°	9.2	9.7	10.3	10.8	11.3	11.9	12.5	13.1	13.7	13.9	14.2
95°	21.6	22.1	22.7	23.2	23.8	24.5	25.1	25.8	26.5	26.8	27.1
97.5°	37.8	38.3	38.7	39.1	39.5	40.0	40.4	40.9	41.3	41.7	42.0
100°	49.0	49.5	50.0	50.4	50.9	51.3	51.7	52.1	52.4	52.7	52.9
102.5°	61.7	61.9	62.2	62.5	62.9	63.4	64.0	64.5	65.0	65.2	65.5
105°	80.5	80.6	80.8	80.9	81.4	82.1	82.8	83.5	84.2	84.2	84.2
107.5°	102.4	102.5	102.6	102.7	102.8	103.1	103.4	103.7	104.0	104.2	104.5
110°	116.1	116.3	116.4	116.6	116.7	116.9	117.1	117.2	117.4	117.8	118.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.4	130.5	130.6	130.7	130.7	130.8	130.8	130.8	130.9	131.2	131.6
115°	151.9	152.2	152.4	152.6	152.7	152.5	152.4	152.2	152.0	152.1	152.2
117.5°	173.4	173.6	173.7	173.9	173.8	173.6	173.4	173.2	173.0	173.0	173.0
120°	187.1	187.6	188.0	188.5	188.5	188.2	187.8	187.4	187.0	186.9	186.8
122.5°	201.0	201.4	201.7	202.1	202.1	201.9	201.7	201.5	201.3	201.1	200.9
125°	222.2	222.5	222.7	223.0	223.0	222.8	222.7	222.5	222.4	222.0	221.7
127.5°	242.2	242.7	243.2	243.7	243.9	243.7	243.5	243.4	243.2	242.8	242.3
130°	255.4	256.1	256.7	257.3	257.5	257.3	257.1	256.8	256.6	256.3	256.0
132.5°	268.6	269.2	269.8	270.4	270.7	270.5	270.3	270.1	270.0	269.6	269.2
135°	288.5	288.9	289.4	289.9	290.1	290.0	289.9	289.8	289.8	289.4	289.1
137.5°	307.0	307.3	307.7	308.1	308.4	308.6	308.8	309.0	309.2	308.9	308.6
140°	319.8	320.2	320.6	321.0	321.2	321.3	321.3	321.4	321.5	321.4	321.3
142.5°	331.5	331.9	332.3	332.6	333.0	333.2	333.3	333.4	333.6	333.5	333.4
145°	349.5	349.7	349.8	350.0	350.2	350.4	350.7	350.9	351.1	351.1	351.0
147.5°	365.7	366.0	366.3	366.5	366.8	367.0	367.2	367.4	367.7	367.7	367.7
150°	376.7	376.8	377.0	377.2	377.3	377.5	377.6	377.8	377.9	377.9	377.9
152.5°	385.9	386.1	386.3	386.6	386.7	386.8	386.9	387.0	387.1	387.2	387.3
155°	400.1	400.1	400.1	400.1	400.1	400.2	400.2	400.3	400.4	400.7	401.0
157.5°	412.2	412.1	412.0	411.9	411.9	412.0	412.0	412.1	412.2	412.5	412.8
160°	419.9	419.7	419.6	419.4	419.3	419.3	419.3	419.3	419.3	419.7	420.1
162.5°	426.7	426.5	426.3	426.0	426.0	426.0	426.1	426.2	426.2	426.6	427.0
165°	435.6	435.3	435.0	434.7	434.6	434.6	434.6	434.6	434.6	435.2	435.7
167.5°	442.5	442.2	441.8	441.5	441.4	441.5	441.5	441.6	441.7	442.1	442.6
170°	446.5	446.2	445.9	445.6	445.4	445.4	445.4	445.4	445.4	446.0	446.5
172.5°	449.6	449.3	449.0	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5
175°	452.9	452.6	452.3	452.0	451.8	451.8	451.8	451.8	451.8	452.3	452.7
177.5°	454.3	454.0	453.8	453.5	453.4	453.4	453.4	453.4	453.4	453.8	454.2
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1	1235.1
2.5°	1302.7	1302.7	1304.4	1310.8	1311.6	1317.2	1315.5
5°	1431.8	1441.8	1445.5	1461.4	1470.9	1475.1	1466.6
7.5°	1589.5	1617.9	1631.3	1647.9	1662.6	1667.1	1655.5
10°	1704.6	1734.1	1759.1	1774.3	1788.7	1798.2	1810.3
12.5°	1815.8	1852.2	1875.8	1897.4	1912.2	1924.2	1926.2
15°	1936.7	1991.7	2033.5	2064.1	2079.4	2087.4	2084.2
17.5°	2058.6	2109.6	2139.3	2170.6	2191.8	2192.9	2193.5
20°	2127.6	2177.3	2211.6	2234.8	2258.7	2257.7	2262.9
22.5°	2173.6	2212.8	2239.1	2256.0	2264.2	2260.2	2261.2
25°	2195.2	2206.9	2202.1	2175.1	2168.3	2143.4	2147.7
27.5°	2084.0	2029.0	1972.1	1899.0	1841.2	1795.1	1797.5
30°	1933.0	1835.7	1724.6	1631.6	1548.1	1524.8	1475.1
32.5°	1721.9	1576.0	1445.9	1359.2	1287.5	1268.1	1224.8
35°	1364.1	1222.3	1088.6	1008.2	976.5	932.1	931.6
37.5°	1060.3	935.5	864.7	804.5	772.8	746.0	743.4
40°	891.9	794.7	741.2	697.9	666.7	646.6	641.9
42.5°	774.4	695.7	645.7	618.8	594.8	584.4	576.7
45°	632.4	579.5	544.6	520.3	509.2	501.2	497.0
47.5°	529.0	493.5	469.7	453.5	444.5	436.2	438.4
50°	472.7	443.6	426.2	410.8	403.9	398.1	398.7
52.5°	427.4	401.3	387.2	376.2	367.6	363.5	361.4
55°	362.7	346.3	332.0	324.1	319.3	313.6	311.9
57.5°	309.4	296.7	285.1	276.1	274.9	269.3	270.0
60°	273.9	263.3	253.8	249.0	245.3	240.5	242.2
62.5°	244.7	235.8	227.1	223.2	219.5	216.0	216.8
65°	200.4	191.9	186.6	184.5	182.9	181.4	179.8
67.5°	159.7	154.5	151.2	146.6	143.4	142.9	141.3
70°	134.3	127.4	121.6	115.8	114.2	113.7	114.2
72.5°	107.7	103.3	101.7	98.9	98.6	97.1	98.2
75°	80.9	79.3	78.3	76.1	76.1	76.1	76.1
77.5°	59.7	58.7	58.1	57.7	57.1	56.4	56.2
80°	46.6	45.9	44.9	44.9	44.4	44.9	44.4
82.5°	35.1	35.0	33.9	33.9	33.4	33.1	33.4
85°	18.0	17.5	18.5	17.5	18.0	17.0	18.0
87.5°	7.0	7.1	6.7	6.7	6.3	7.2	6.4
90°	9.5	9.8	10.1	10.2	10.4	10.5	10.7
92.5°	14.4	14.7	14.8	14.7	14.6	14.5	14.4
95°	27.4	27.7	27.9	27.9	27.9	27.9	27.9
97.5°	42.4	42.8	42.9	42.9	42.9	42.8	42.8
100°	53.2	53.4	53.6	53.7	53.9	54.1	54.2
102.5°	65.7	65.9	66.0	66.0	66.0	65.9	65.9
105°	84.2	84.2	84.3	84.4	84.6	84.8	84.9
107.5°	104.7	105.0	105.1	105.0	104.9	104.8	104.7
110°	118.4	118.7	118.8	118.6	118.5	118.3	118.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	132.0	132.4	132.5	132.5	132.5	132.4	132.4
115°	152.3	152.4	152.4	152.3	152.2	152.1	152.0
117.5°	173.0	173.0	172.8	172.6	172.4	172.2	172.0
120°	186.7	186.7	186.5	186.4	186.2	186.1	185.9
122.5°	200.7	200.5	200.3	200.1	199.8	199.5	199.3
125°	221.4	221.1	220.8	220.5	220.2	219.7	219.4
127.5°	241.9	241.4	241.0	240.7	240.2	239.9	239.5
130°	255.6	255.3	254.9	254.4	253.8	253.3	252.7
132.5°	268.8	268.5	268.1	267.6	267.2	266.8	266.4
135°	288.8	288.5	288.3	288.1	287.9	287.8	287.6
137.5°	308.3	307.9	307.6	307.3	307.0	306.7	306.4
140°	321.3	321.2	320.9	320.3	319.8	319.2	318.7
142.5°	333.3	333.3	333.0	332.5	332.1	331.6	331.2
145°	350.9	350.8	350.6	350.3	350.0	349.7	349.4
147.5°	367.7	367.7	367.4	367.0	366.5	366.0	365.5
150°	377.9	377.9	377.7	377.2	376.8	376.3	375.8
152.5°	387.5	387.6	387.4	387.0	386.6	386.2	385.8
155°	401.3	401.7	401.5	401.0	400.4	399.9	399.3
157.5°	413.2	413.5	413.4	413.0	412.6	412.1	411.7
160°	420.5	420.9	420.9	420.6	420.3	420.0	419.7
162.5°	427.4	427.8	427.7	427.2	426.7	426.2	425.7
165°	436.1	436.6	436.6	436.0	435.5	434.8	434.3
167.5°	443.1	443.6	443.6	443.1	442.6	442.1	441.7
170°	447.1	447.6	447.6	447.1	446.5	446.0	445.4
172.5°	450.0	450.5	450.5	449.9	449.4	448.8	448.3
175°	453.2	453.7	453.6	453.1	452.5	452.0	451.4
177.5°	454.5	454.9	454.9	454.5	454.0	453.6	453.1
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3

(END OF REPORT)