

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: P332454-927

Luminaire Tested: **S123RDIW-S1000D755U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332454-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S1000D755U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5530.5 lumens
Efficiency: N/A
Efficacy: 103.2 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: General Diffuse

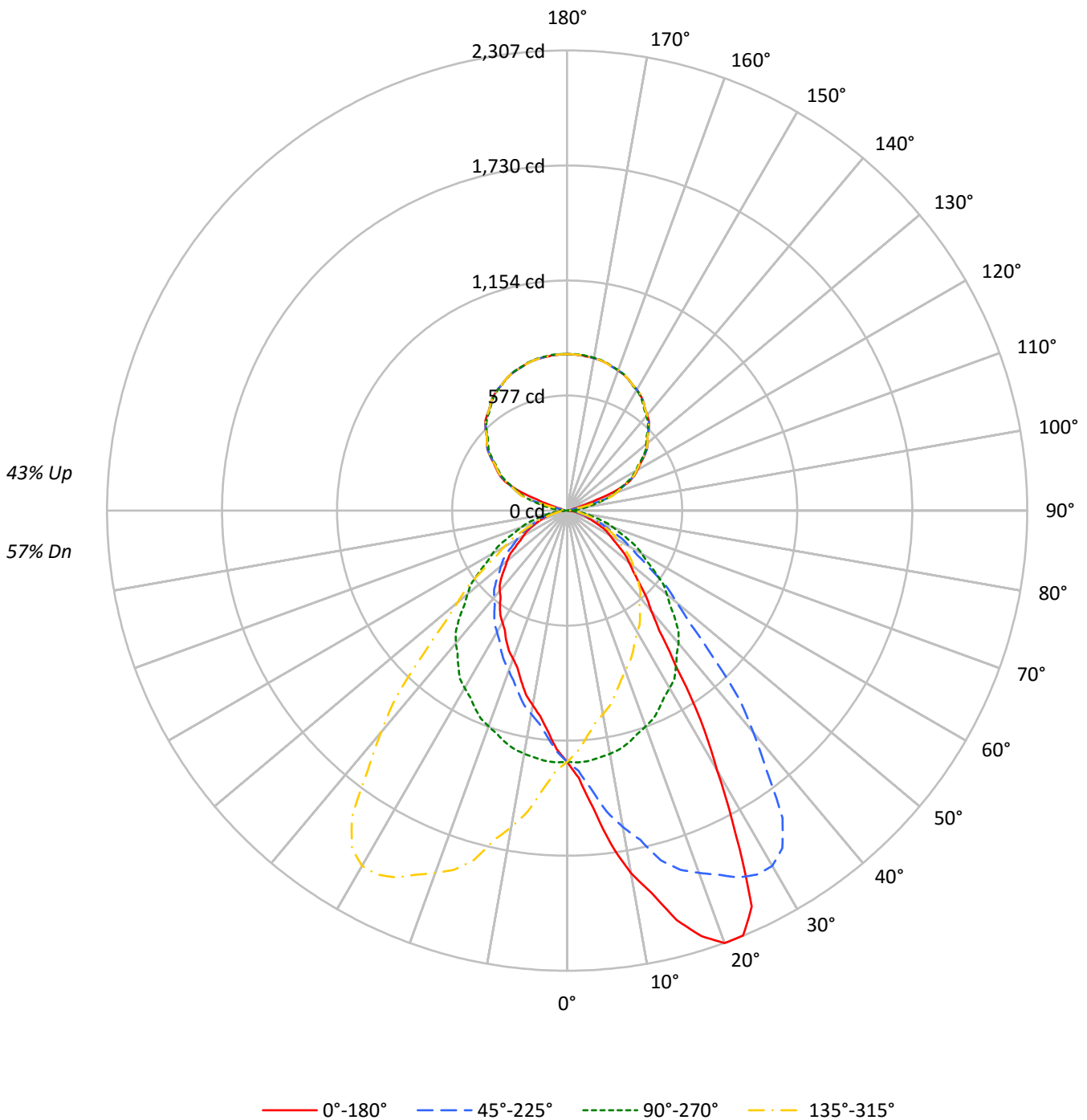
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57																												
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54	49																												
2	92	84	79	74	85	79	74	70	69	65	61	59	56	54	50	48	46	42																												
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	37																												
4	77	67	59	53	72	63	56	51	55	49	45	47	43	40	41	38	35	32																												
5	71	60	52	46	66	56	49	44	49	44	40	43	39	35	37	34	31	28																												
6	66	54	46	40	61	51	44	38	45	39	35	39	35	31	34	30	28	25																												
7	61	49	41	36	57	46	39	34	41	35	31	36	31	28	31	27	25	22																												
8	57	45	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20																												
9	53	41	33	28	49	39	32	27	34	29	25	30	26	23	26	23	20	18																												
10	49	38	30	26	46	36	29	25	32	26	23	28	24	21	25	21	19	17																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13555	13555	13555	13555
5°	16159	13613	11988	13613
10°	20176	13535	10831	13535
15°	23682	13397	9877	13397
20°	26431	13190	9065	13190
25°	26008	12973	8568	12973
30°	18695	12771	8054	12771
35°	12482	12510	7721	12510
40°	9197	12197	7378	12197
45°	7715	11645	7042	11645
50°	6807	10923	6571	10923
55°	5970	10098	5928	10098
60°	5315	9309	5431	9309
65°	4669	8458	5053	8458
70°	3666	7704	4614	7704
75°	3227	6729	4213	6729
80°	2808	5715	4147	5715
85°	2260	4594	4397	4594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	2.2
10°-20°	386.9	7.0
20°-30°	607.8	11.0
30°-40°	634.2	11.5
40°-50°	542.7	9.8
50°-60°	413.6	7.5
60°-70°	265.1	4.8
70°-80°	127.5	2.3
80°-90°	35.9	0.6
90°-100°	28.5	0.5
100°-110°	136.0	2.5
110°-120°	326.6	5.9
120°-130°	415.9	7.5
130°-140°	444.3	8.0
140°-150°	415.5	7.5
150°-160°	335.2	6.1
160°-170°	216.3	3.9
170°-180°	74.5	1.3
0°-30°	1118.6	20.2
0°-40°	1752.8	31.7
0°-60°	2709.1	49.0
0°-90°	3137.8	56.7
90°-120°	491.1	8.9
90°-150°	1766.8	31.9
90°-180°	2393.0	43.3
0°-180°	5530.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1259	1259	1259	1259	1259	
5°	1496	1260	1110	1260	1496	154
15°	2125	1202	886	1202	2125	603
25°	2190	1092	721	1092	2190	941
35°	950	952	588	952	950	623
45°	507	765	463	765	507	398
55°	318	538	316	538	318	288
65°	183	332	198	332	183	180
75°	78	162	101	162	78	83
85°	18	37	36	37	18	21
90°	18	1	18	1	18	9
95°	22	36	22	36	22	19
105°	26	174	26	174	26	59
115°	343	326	343	326	343	317
125°	469	459	469	459	469	419
135°	578	572	578	572	578	445
145°	666	660	666	660	666	416
155°	726	727	726	727	726	335
165°	765	767	765	767	765	216
175°	782	785	782	785	782	74
180°	785	785	785	785	785	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1341.3	1343.0	1337.4	1336.6	1330.1	1328.3	1328.3	1319.3	1313.7	1306.4	1302.0
5°	1495.5	1504.1	1499.8	1490.1	1473.9	1470.1	1459.9	1443.8	1425.4	1402.7	1391.9
7.5°	1688.1	1699.8	1695.3	1680.3	1663.3	1649.6	1620.8	1593.9	1556.3	1523.3	1495.1
10°	1845.9	1833.5	1823.8	1809.3	1793.6	1768.2	1738.0	1696.5	1648.6	1610.8	1568.8
12.5°	1964.1	1962.0	1949.7	1934.7	1912.6	1888.6	1851.5	1800.9	1745.2	1690.7	1642.5
15°	2125.2	2128.4	2120.3	2104.7	2073.4	2030.8	1974.8	1953.8	1873.9	1814.7	1755.3
17.5°	2236.6	2236.0	2234.9	2213.3	2181.4	2151.0	2099.0	2043.8	1971.5	1887.9	1808.1
20°	2307.4	2302.0	2303.0	2278.8	2255.1	2220.0	2169.4	2089.1	2029.7	1933.2	1850.8
22.5°	2305.6	2304.5	2308.7	2300.3	2283.1	2256.3	2216.4	2148.6	2072.8	1975.5	1882.7
25°	2189.8	2185.6	2210.9	2217.9	2245.4	2250.2	2238.4	2201.2	2129.5	2029.2	1914.4
27.5°	1832.7	1830.3	1877.4	1936.3	2010.9	2068.9	2124.9	2152.0	2129.5	2057.7	1942.6
30°	1504.1	1554.8	1578.5	1663.7	1758.6	1871.8	1970.9	2065.3	2088.5	2057.2	1962.9
32.5°	1248.8	1293.0	1312.8	1385.9	1474.3	1606.9	1755.8	1889.4	1983.7	2007.6	1950.8
35°	949.9	950.5	995.7	1028.1	1110.0	1246.4	1390.9	1569.9	1747.8	1882.5	1896.6
37.5°	758.0	760.7	788.1	820.3	881.8	953.9	1081.1	1229.9	1435.4	1642.4	1763.6
40°	654.5	659.3	679.9	711.6	755.8	810.2	909.5	1049.6	1221.1	1451.3	1639.4
42.5°	588.0	596.0	606.5	631.0	658.4	709.3	789.6	897.9	1053.8	1271.5	1488.5
45°	506.8	511.0	519.2	530.4	555.2	590.9	644.8	717.6	846.9	1022.2	1239.4
47.5°	447.0	444.7	453.3	462.5	479.0	503.2	539.3	598.7	691.0	831.6	1015.9
50°	406.5	405.9	411.9	418.9	434.5	452.3	482.0	526.7	600.0	716.4	885.2
52.5°	368.5	370.6	374.8	383.5	394.8	409.2	435.8	468.0	531.0	631.5	772.2
55°	318.1	319.7	325.6	330.5	338.6	353.1	369.8	396.8	439.9	510.0	625.9
57.5°	275.4	274.6	280.4	281.5	290.7	302.5	315.4	336.4	367.7	419.8	497.8
60°	246.9	245.3	250.2	253.9	258.8	268.5	279.2	299.8	324.6	362.8	429.7
62.5°	221.0	220.3	223.9	227.6	231.6	240.4	249.5	265.2	284.9	317.1	370.2
65°	183.3	184.9	186.6	188.1	190.3	195.7	204.3	215.1	228.5	251.2	289.5
67.5°	144.0	145.7	146.2	149.6	154.2	157.6	162.8	172.4	181.8	200.9	222.7
70°	116.5	115.9	116.5	118.0	124.0	129.9	137.0	143.9	149.9	163.3	181.6
72.5°	100.1	99.1	100.5	100.8	103.7	105.4	109.8	116.4	124.0	133.2	146.3
75°	77.6	77.6	77.6	77.6	79.8	80.9	82.5	84.1	86.8	91.1	100.8
77.5°	57.4	57.4	58.2	58.8	59.2	59.8	60.8	62.4	63.4	65.7	69.9
80°	45.3	45.8	45.3	45.8	45.8	46.9	47.5	49.0	49.6	52.3	53.9
82.5°	34.1	33.7	34.1	34.6	34.6	35.7	35.8	37.0	37.1	38.5	40.1
85°	18.3	17.3	18.3	17.8	18.9	17.8	18.3	19.4	19.4	20.0	22.1
87.5°	7.8	8.6	7.7	8.1	8.0	8.4	8.3	8.2	9.0	8.4	8.5
90°	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1	14.5	14.0	12.3
92.5°	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6	15.8	14.9	13.6
95°	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9	19.0	18.1	16.6
97.5°	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8	19.8	18.8	28.1
100°	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3	20.3	19.3	39.5
102.5°	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9	35.2	38.3	60.4
105°	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8	104.7	127.7	139.3
107.5°	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3	217.1	234.0	232.2
110°	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4	258.6	262.9	261.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5	292.4	292.3	290.9
115°	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2	335.9	334.6	333.4
117.5°	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7	376.7	375.7	375.0
120°	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3	403.3	402.2	401.9
122.5°	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2	429.5	428.8	428.3
125°	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8	466.6	466.4	465.8
127.5°	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6	503.1	502.7	502.1
130°	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7	525.1	524.7	524.1
132.5°	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7	546.1	545.7	545.2
135°	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5	578.1	577.7	577.2
137.5°	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8	606.2	605.5	605.3
140°	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8	624.2	623.8	623.4
142.5°	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8	641.4	641.0	640.6
145°	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7	665.4	665.1	664.9
147.5°	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0	686.7	686.4	686.2
150°	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1	699.8	699.5	699.3
152.5°	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6	711.1	710.7	710.6
155°	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6	727.0	726.4	726.2
157.5°	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6	740.8	740.0	740.1
160°	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5	748.7	747.9	748.1
162.5°	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7	755.8	754.9	755.0
165°	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3	765.2	764.2	764.4
167.5°	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7	772.7	771.7	771.7
170°	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9	776.9	775.9	775.9
172.5°	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8	779.7	778.7	778.6
175°	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1	783.2	782.3	782.2
177.5°	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4	784.5	783.7	783.6
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1300.3	1299.0	1293.0	1286.1	1277.0	1271.0	1266.2	1263.7	1255.9	1246.4	1239.9
5°	1380.6	1364.5	1347.3	1326.2	1306.8	1286.8	1274.5	1259.9	1242.1	1222.2	1208.2
7.5°	1466.7	1435.0	1400.8	1365.6	1330.7	1299.5	1271.8	1248.2	1219.9	1191.3	1171.2
10°	1532.7	1486.3	1438.4	1389.3	1344.5	1302.5	1270.1	1238.3	1204.4	1171.5	1146.7
12.5°	1592.6	1531.6	1476.3	1416.0	1358.8	1308.5	1261.9	1224.6	1183.7	1148.6	1120.4
15°	1668.5	1606.0	1539.1	1447.5	1371.5	1307.9	1251.3	1202.2	1152.6	1109.5	1082.0
17.5°	1739.5	1645.4	1555.5	1479.1	1380.3	1300.8	1231.8	1173.1	1118.6	1072.9	1039.1
20°	1768.8	1677.7	1580.1	1482.6	1385.5	1296.6	1216.2	1151.5	1095.0	1043.1	1011.9
22.5°	1786.5	1683.3	1580.6	1475.7	1372.5	1280.2	1200.7	1129.6	1068.2	1019.0	980.4
25°	1807.0	1684.2	1571.0	1467.4	1362.3	1262.0	1167.7	1092.3	1026.0	973.6	932.6
27.5°	1820.7	1676.1	1542.3	1427.2	1320.6	1220.8	1134.2	1054.2	987.0	931.7	887.7
30°	1823.3	1669.6	1520.3	1395.7	1287.4	1195.7	1104.1	1027.5	956.4	897.6	856.7
32.5°	1826.7	1653.7	1490.5	1358.2	1247.3	1156.5	1073.5	1000.4	927.5	869.6	827.8
35°	1812.5	1644.8	1445.3	1293.3	1182.3	1094.4	1019.5	952.0	880.4	824.3	781.7
37.5°	1751.2	1609.8	1398.5	1220.2	1104.1	1022.7	961.6	902.9	837.1	776.7	736.5
40°	1689.6	1575.3	1362.3	1175.8	1054.5	970.9	915.9	868.0	804.4	747.7	704.6
42.5°	1597.7	1528.3	1327.9	1129.2	998.4	917.9	871.5	826.6	770.7	713.2	672.7
45°	1429.2	1438.4	1257.2	1055.0	920.8	840.0	796.2	765.0	715.4	668.0	626.5
47.5°	1217.8	1303.5	1174.3	976.0	838.9	763.0	724.8	697.6	664.2	617.6	579.7
50°	1079.8	1202.2	1107.9	923.0	787.7	712.2	674.4	652.3	623.2	586.5	550.4
52.5°	952.6	1084.0	1027.6	863.9	732.0	663.0	626.1	607.9	584.8	550.3	517.6
55°	776.8	910.0	897.1	774.7	648.6	586.5	558.5	538.1	522.4	496.5	470.6
57.5°	628.4	754.6	761.3	675.5	575.0	513.7	489.6	474.2	464.0	444.4	420.5
60°	534.8	650.7	673.4	608.6	522.4	468.5	444.7	432.4	424.3	408.6	390.3
62.5°	457.2	555.8	581.5	534.9	471.9	421.4	402.9	390.9	385.5	372.0	355.8
65°	349.9	431.8	456.6	430.7	397.8	357.4	342.3	332.1	327.3	319.7	307.8
67.5°	263.1	322.8	350.0	331.8	319.9	294.4	284.8	279.2	275.0	269.7	259.8
70°	211.4	255.6	283.6	278.7	269.0	255.6	248.5	244.8	240.4	236.1	227.5
72.5°	169.9	200.3	226.6	229.1	221.2	218.5	212.3	210.7	208.1	203.0	198.2
75°	112.6	133.7	152.0	159.1	162.2	164.9	162.2	161.8	161.2	156.9	154.2
77.5°	73.8	85.2	96.7	108.7	113.8	117.4	118.3	120.3	118.8	116.5	115.3
80°	56.6	59.3	67.4	77.6	85.7	89.0	91.1	92.2	91.7	91.1	89.0
82.5°	41.1	43.3	47.1	54.3	61.2	66.5	67.8	67.6	68.8	69.1	67.4
85°	22.1	22.7	23.7	24.8	28.6	34.5	36.1	37.2	38.3	38.3	35.0
87.5°	9.0	8.2	8.8	8.5	9.5	9.7	12.0	13.9	14.6	13.2	13.4
90°	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6	1.9	3.2	4.4
92.5°	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9	10.5	10.1	9.7
95°	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6	30.3	25.0	19.6
97.5°	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5	69.1	66.7	64.3
100°	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5	101.1	103.7	106.3
102.5°	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3	131.2	133.0	134.9
105°	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7	175.2	176.6	178.0
107.5°	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5	221.7	222.8	224.0
110°	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8	252.9	253.9	254.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7	282.6	283.5	284.5
115°	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8	326.6	327.4	328.2
117.5°	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7	369.6	370.6	371.5
120°	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2	396.4	397.6	398.7
122.5°	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3	423.3	424.2	425.2
125°	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4	460.4	461.4	462.5
127.5°	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3	496.3	497.3	498.4
130°	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6	518.7	519.8	520.8
132.5°	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1	540.1	541.1	542.2
135°	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9	572.7	573.4	574.2
137.5°	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8	600.8	601.8	602.8
140°	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5	619.2	620.0	620.8
142.5°	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7	636.5	637.3	638.1
145°	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9	660.8	661.7	662.6
147.5°	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6	683.2	683.8	684.4
150°	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6	697.0	697.4	697.8
152.5°	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2	709.4	709.6	709.7
155°	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9	726.7	726.4	726.1
157.5°	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7	740.7	740.6	740.6
160°	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1	748.9	748.8	748.7
162.5°	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0	756.7	756.3	756.0
165°	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6	766.2	765.8	765.4
167.5°	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0	773.5	773.0	772.5
170°	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2	777.7	777.2	776.7
172.5°	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0	780.4	779.7	779.2
175°	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7	783.9	783.3	782.7
177.5°	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5	785.1	784.5	784.0
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332454-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1237.8	1232.2	1228.3	1219.6	1214.1	1208.0	1202.0	1205.9	1205.5	1205.0	1205.0
5°	1196.3	1183.8	1172.6	1158.0	1148.8	1137.5	1128.9	1127.8	1130.0	1122.4	1118.1
7.5°	1155.1	1138.1	1122.1	1106.0	1089.0	1075.4	1066.9	1062.9	1057.4	1052.7	1047.9
10°	1126.2	1106.3	1090.6	1070.6	1052.3	1036.2	1026.0	1018.9	1015.1	1011.4	1004.3
12.5°	1096.5	1076.9	1057.0	1034.4	1017.0	998.2	990.5	982.7	975.5	971.2	961.6
15°	1052.9	1027.5	1006.5	982.8	963.4	945.1	934.3	918.6	916.5	911.1	901.4
17.5°	1009.2	981.7	952.7	935.2	913.2	894.1	877.7	872.5	857.1	851.3	842.8
20°	974.7	949.4	927.2	904.1	872.3	854.4	841.5	834.6	822.1	814.6	809.2
22.5°	944.9	919.2	893.7	866.6	840.3	820.4	811.0	800.0	793.2	782.7	776.8
25°	902.5	874.4	843.7	814.6	795.7	780.6	765.6	755.8	746.2	741.2	730.5
27.5°	853.1	823.8	795.0	772.9	749.8	734.9	721.2	712.6	700.9	692.8	686.8
30°	825.9	791.4	766.6	746.6	717.0	703.0	692.8	682.0	673.4	664.7	658.8
32.5°	794.4	763.0	739.4	714.8	692.0	676.7	663.5	653.9	646.6	638.4	632.5
35°	745.0	718.7	694.3	669.6	652.8	637.2	621.6	613.5	606.5	599.0	593.6
37.5°	700.4	675.7	652.7	629.2	608.4	595.7	583.1	576.9	567.4	562.4	556.9
40°	672.8	648.6	623.8	601.1	579.6	569.8	558.5	549.4	540.7	536.9	531.0
42.5°	642.6	618.4	597.5	573.1	555.4	542.2	531.8	521.7	515.3	509.8	506.4
45°	597.9	576.3	555.8	531.6	514.8	503.5	491.6	482.5	476.6	472.8	466.8
47.5°	554.4	532.8	512.1	490.9	474.8	461.8	450.0	443.5	435.7	431.1	427.1
50°	522.9	503.5	481.4	462.0	445.8	432.9	423.2	415.1	408.1	402.2	399.5
52.5°	494.0	473.3	454.2	436.2	419.1	404.4	395.6	387.1	381.8	375.0	371.9
55°	446.4	426.4	410.3	392.4	375.7	363.4	352.6	345.0	339.6	332.1	327.8
57.5°	401.6	383.7	364.4	349.0	331.8	321.3	312.4	302.1	295.6	289.6	285.4
60°	371.5	350.9	334.2	319.7	304.6	291.1	283.0	275.0	267.9	262.0	258.3
62.5°	339.9	322.1	306.2	290.3	276.6	264.8	255.4	248.7	242.5	238.7	235.0
65°	291.7	277.7	261.5	248.5	235.6	227.0	219.4	213.5	209.1	206.4	203.3
67.5°	247.2	233.6	219.5	206.8	198.2	191.6	186.6	181.6	179.4	175.9	173.8
70°	218.3	204.3	191.9	182.2	173.6	168.7	165.5	161.8	159.5	155.3	153.1
72.5°	186.9	176.7	167.8	159.8	152.9	148.5	144.3	139.7	136.3	131.5	129.4
75°	147.2	138.0	131.0	125.6	121.3	115.3	109.4	104.6	103.0	101.3	100.8
77.5°	109.0	103.2	98.2	93.6	88.2	83.9	82.6	81.5	81.2	80.3	80.3
80°	85.7	80.3	76.5	71.1	67.9	67.9	67.9	66.9	67.4	67.4	67.4
82.5°	63.7	58.8	56.7	54.7	54.1	54.6	54.6	54.7	54.4	55.3	54.9
85°	32.9	33.4	34.5	34.0	34.5	34.5	35.6	35.0	35.6	34.5	35.6
87.5°	13.2	14.8	15.6	16.3	17.1	17.0	17.6	17.7	18.2	18.3	18.4
90°	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1	15.5	16.1	16.5
92.5°	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6	17.4	18.2	18.7
95°	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9	20.8	21.7	22.2
97.5°	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8	21.9	22.9	23.5
100°	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3	22.3	23.4	24.0
102.5°	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9	28.8	25.5	24.0
105°	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8	58.9	36.0	24.6
107.5°	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3	183.5	166.8	149.7
110°	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4	250.1	245.8	234.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5	292.6	292.6	290.7
115°	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2	338.5	339.8	340.7
117.5°	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7	378.7	379.8	380.3
120°	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3	405.4	406.4	406.9
122.5°	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2	430.9	431.7	432.1
125°	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8	467.1	467.4	467.6
127.5°	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6	504.0	504.4	504.5
130°	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7	526.2	526.7	526.9
132.5°	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7	547.2	547.7	547.8
135°	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5	578.8	579.2	579.2
137.5°	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8	607.4	608.1	608.2
140°	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8	625.3	625.8	626.0
142.5°	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8	642.2	642.6	642.7
145°	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7	665.9	666.1	666.3
147.5°	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0	687.2	687.5	687.3
150°	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1	700.3	700.5	700.5
152.5°	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6	712.1	712.6	712.5
155°	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6	728.3	729.0	728.9
157.5°	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6	742.3	743.1	743.0
160°	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5	750.3	751.0	751.0
162.5°	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7	757.6	758.4	758.4
165°	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3	767.3	768.3	768.4
167.5°	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7	774.8	775.9	775.9
170°	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9	779.0	780.1	780.1
172.5°	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8	781.8	782.8	782.8
175°	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1	785.1	785.9	785.8
177.5°	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4	786.2	787.0	786.9
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332454-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1199.8	1199.4	1199.8	1198.1	1199.8	1199.4	1199.8	1205.0	1205.0	1205.5	1205.9
5°	1116.5	1115.9	1114.4	1109.5	1114.4	1115.9	1116.5	1118.1	1122.4	1130.0	1127.8
7.5°	1043.7	1043.0	1038.2	1038.3	1038.2	1043.0	1043.7	1047.9	1052.7	1057.4	1062.9
10°	1000.6	1001.1	994.7	990.9	994.7	1001.1	1000.6	1004.3	1011.4	1015.1	1018.9
12.5°	958.8	956.2	951.1	946.9	951.1	956.2	958.8	961.6	971.2	975.5	982.7
15°	903.6	898.2	885.2	886.3	885.2	898.2	903.6	901.4	911.1	916.5	918.6
17.5°	838.5	834.6	834.3	826.8	834.3	834.6	838.5	842.8	851.3	857.1	872.5
20°	800.6	797.9	798.9	791.4	798.9	797.9	800.6	809.2	814.6	822.1	834.6
22.5°	770.8	768.1	763.6	761.2	763.6	768.1	770.8	776.8	782.7	793.2	800.0
25°	727.2	722.9	718.7	721.4	718.7	722.9	727.2	730.5	741.2	746.2	755.8
27.5°	683.7	680.5	676.1	675.6	676.1	680.5	683.7	686.8	692.8	700.9	712.6
30°	656.1	652.8	650.7	648.0	650.7	652.8	656.1	658.8	664.7	673.4	682.0
32.5°	628.0	627.4	623.5	623.0	623.5	627.4	628.0	632.5	638.4	646.6	653.9
35°	591.4	588.2	587.1	587.6	587.1	588.2	591.4	593.6	599.0	606.5	613.5
37.5°	556.6	552.2	550.3	548.3	550.3	552.2	556.6	556.9	562.4	567.4	576.9
40°	531.6	527.3	526.2	525.1	526.2	527.3	531.6	531.0	536.9	540.7	549.4
42.5°	503.5	501.8	501.1	499.2	501.1	501.8	503.5	506.4	509.8	515.3	521.7
45°	465.2	464.7	461.4	462.6	461.4	464.7	465.2	466.8	472.8	476.6	482.5
47.5°	424.9	422.6	420.3	421.8	420.3	422.6	424.9	427.1	431.1	435.7	443.5
50°	397.4	396.2	391.4	392.4	391.4	396.2	397.4	399.5	402.2	408.1	415.1
52.5°	369.7	365.6	363.8	363.1	363.8	365.6	369.7	371.9	375.0	381.8	387.1
55°	324.0	319.2	317.0	315.9	317.0	319.2	324.0	327.8	332.1	339.6	345.0
57.5°	279.2	277.8	276.2	277.3	276.2	277.8	279.2	285.4	289.6	295.6	302.1
60°	252.9	252.9	252.9	252.3	252.9	252.9	252.9	258.3	262.0	267.9	275.0
62.5°	232.6	231.2	230.8	231.6	230.8	231.2	232.6	235.0	238.7	242.5	248.7
65°	201.6	201.1	198.9	198.4	198.9	201.1	201.6	203.3	206.4	209.1	213.5
67.5°	172.4	170.5	169.8	169.1	169.8	170.5	172.4	173.8	175.9	179.4	181.6
70°	150.4	149.3	146.1	146.6	146.1	149.3	150.4	153.1	155.3	159.5	161.8
72.5°	126.7	125.6	124.9	124.2	124.9	125.6	126.7	129.4	131.5	136.3	139.7
75°	100.3	99.7	99.2	101.3	99.2	99.7	100.3	100.8	101.3	103.0	104.6
77.5°	80.3	80.3	80.6	79.8	80.6	80.3	80.3	80.3	80.3	81.2	81.5
80°	67.4	67.4	66.9	66.9	66.9	67.4	67.4	67.4	67.4	67.4	66.9
82.5°	54.0	54.4	54.7	53.9	54.7	54.4	54.0	54.9	55.3	54.4	54.7
85°	35.6	35.0	36.1	35.6	36.1	35.0	35.6	35.6	34.5	35.6	35.0
87.5°	19.3	18.5	18.5	19.0	18.5	18.5	19.3	18.4	18.3	18.2	17.7
90°	16.7	17.0	17.2	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1
92.5°	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9
97.5°	23.6	23.8	23.9	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8
100°	24.1	24.2	24.3	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3
102.5°	24.2	24.5	24.7	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9
105°	24.9	25.1	25.4	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8
107.5°	132.4	115.1	97.8	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3
110°	215.9	197.3	178.8	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	286.8	282.9	278.9	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5
115°	341.2	341.7	342.2	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2
117.5°	380.5	380.6	380.6	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7
120°	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3
122.5°	432.2	432.3	432.5	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2
125°	467.9	468.2	468.4	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8
127.5°	504.2	503.9	503.7	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6
130°	526.6	526.3	526.1	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7
132.5°	547.4	547.1	546.7	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7
135°	578.8	578.5	578.1	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5
137.5°	608.0	607.7	607.4	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8
140°	625.7	625.4	625.2	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8
142.5°	642.3	642.0	641.6	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8
145°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7
147.5°	686.7	686.1	685.6	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0
150°	700.1	699.7	699.3	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1
152.5°	711.9	711.3	710.7	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6
155°	728.1	727.3	726.5	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6
157.5°	742.0	740.9	740.0	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6
160°	750.0	749.2	748.2	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5
162.5°	757.6	756.9	756.1	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7
165°	767.5	766.6	765.7	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3
167.5°	774.8	773.7	772.7	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7
170°	779.0	777.9	776.9	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9
172.5°	781.6	780.5	779.3	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8
175°	784.8	783.8	782.8	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1
177.5°	785.8	784.8	783.8	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332454-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1202.0	1208.0	1214.1	1219.6	1228.3	1232.2	1237.8	1239.9	1246.4	1255.9	1263.7
5°	1128.9	1137.5	1148.8	1158.0	1172.6	1183.8	1196.3	1208.2	1222.2	1242.1	1259.9
7.5°	1066.9	1075.4	1089.0	1106.0	1122.1	1138.1	1155.1	1171.2	1191.3	1219.9	1248.2
10°	1026.0	1036.2	1052.3	1070.6	1090.6	1106.3	1126.2	1146.7	1171.5	1204.4	1238.3
12.5°	990.5	998.2	1017.0	1034.4	1057.0	1076.9	1096.5	1120.4	1148.6	1183.7	1224.6
15°	934.3	945.1	963.4	982.8	1006.5	1027.5	1052.9	1082.0	1109.5	1152.6	1202.2
17.5°	877.7	894.1	913.2	935.2	952.7	981.7	1009.2	1039.1	1072.9	1118.6	1173.1
20°	841.5	854.4	872.3	904.1	927.2	949.4	974.7	1011.9	1043.1	1095.0	1151.5
22.5°	811.0	820.4	840.3	866.6	893.7	919.2	944.9	980.4	1019.0	1068.2	1129.6
25°	765.6	780.6	795.7	814.6	843.7	874.4	902.5	932.6	973.6	1026.0	1092.3
27.5°	721.2	734.9	749.8	772.9	795.0	823.8	853.1	887.7	931.7	987.0	1054.2
30°	692.8	703.0	717.0	746.6	766.6	791.4	825.9	856.7	897.6	956.4	1027.5
32.5°	663.5	676.7	692.0	714.8	739.4	763.0	794.4	827.8	869.6	927.5	1000.4
35°	621.6	637.2	652.8	669.6	694.3	718.7	745.0	781.7	824.3	880.4	952.0
37.5°	583.1	595.7	608.4	629.2	652.7	675.7	700.4	736.5	776.7	837.1	902.9
40°	558.5	569.8	579.6	601.1	623.8	648.6	672.8	704.6	747.7	804.4	868.0
42.5°	531.8	542.2	555.4	573.1	597.5	618.4	642.6	672.7	713.2	770.7	826.6
45°	491.6	503.5	514.8	531.6	555.8	576.3	597.9	626.5	668.0	715.4	765.0
47.5°	450.0	461.8	474.8	490.9	512.1	532.8	554.4	579.7	617.6	664.2	697.6
50°	423.2	432.9	445.8	462.0	481.4	503.5	522.9	550.4	586.5	623.2	652.3
52.5°	395.6	404.4	419.1	436.2	454.2	473.3	494.0	517.6	550.3	584.8	607.9
55°	352.6	363.4	375.7	392.4	410.3	426.4	446.4	470.6	496.5	522.4	538.1
57.5°	312.4	321.3	331.8	349.0	364.4	383.7	401.6	420.5	444.4	464.0	474.2
60°	283.0	291.1	304.6	319.7	334.2	350.9	371.5	390.3	408.6	424.3	432.4
62.5°	255.4	264.8	276.6	290.3	306.2	322.1	339.9	355.8	372.0	385.5	390.9
65°	219.4	227.0	235.6	248.5	261.5	277.7	291.7	307.8	319.7	327.3	332.1
67.5°	186.6	191.6	198.2	206.8	219.5	233.6	247.2	259.8	269.7	275.0	279.2
70°	165.5	168.7	173.6	182.2	191.9	204.3	218.3	227.5	236.1	240.4	244.8
72.5°	144.3	148.5	152.9	159.8	167.8	176.7	186.9	198.2	203.0	208.1	210.7
75°	109.4	115.3	121.3	125.6	131.0	138.0	147.2	154.2	156.9	161.2	161.8
77.5°	82.6	83.9	88.2	93.6	98.2	103.2	109.0	115.3	116.5	118.8	120.3
80°	67.9	67.9	67.9	71.1	76.5	80.3	85.7	89.0	91.1	91.7	92.2
82.5°	54.6	54.6	54.1	54.7	56.7	58.8	63.7	67.4	69.1	68.8	67.6
85°	35.6	34.5	34.5	34.0	34.5	33.4	32.9	35.0	38.3	38.3	37.2
87.5°	17.6	17.0	17.1	16.3	15.6	14.8	13.2	13.4	13.2	14.6	13.9
90°	14.5	14.0	12.3	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6
92.5°	15.8	14.9	13.6	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9
95°	19.0	18.1	16.6	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6
97.5°	19.8	18.8	28.1	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5
100°	20.3	19.3	39.5	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5
102.5°	35.2	38.3	60.4	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3
105°	104.7	127.7	139.3	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7
107.5°	217.1	234.0	232.2	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5
110°	258.6	262.9	261.5	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	292.4	292.3	290.9	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7
115°	335.9	334.6	333.4	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8
117.5°	376.7	375.7	375.0	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7
120°	403.3	402.2	401.9	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2
122.5°	429.5	428.8	428.3	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3
125°	466.6	466.4	465.8	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4
127.5°	503.1	502.7	502.1	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3
130°	525.1	524.7	524.1	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6
132.5°	546.1	545.7	545.2	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1
135°	578.1	577.7	577.2	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9
137.5°	606.2	605.5	605.3	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8
140°	624.2	623.8	623.4	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5
142.5°	641.4	641.0	640.6	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7
145°	665.4	665.1	664.9	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9
147.5°	686.7	686.4	686.2	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6
150°	699.8	699.5	699.3	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6
152.5°	711.1	710.7	710.6	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2
155°	727.0	726.4	726.2	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9
157.5°	740.8	740.0	740.1	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7
160°	748.7	747.9	748.1	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1
162.5°	755.8	754.9	755.0	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0
165°	765.2	764.2	764.4	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6
167.5°	772.7	771.7	771.7	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0
170°	776.9	775.9	775.9	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2
172.5°	779.7	778.7	778.6	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0
175°	783.2	782.3	782.2	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7
177.5°	784.5	783.7	783.6	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332454-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1266.2	1271.0	1277.0	1286.1	1293.0	1299.0	1300.3	1302.0	1306.4	1313.7	1319.3
5°	1274.5	1286.8	1306.8	1326.2	1347.3	1364.5	1380.6	1391.9	1402.7	1425.4	1443.8
7.5°	1271.8	1299.5	1330.7	1365.6	1400.8	1435.0	1466.7	1495.1	1523.3	1556.3	1593.9
10°	1270.1	1302.5	1344.5	1389.3	1438.4	1486.3	1532.7	1568.8	1610.8	1648.6	1696.5
12.5°	1261.9	1308.5	1358.8	1416.0	1476.3	1531.6	1592.6	1642.5	1690.7	1745.2	1800.9
15°	1251.3	1307.9	1371.5	1447.5	1539.1	1606.0	1668.5	1755.3	1814.7	1873.9	1953.8
17.5°	1231.8	1300.8	1380.3	1479.1	1555.5	1645.4	1739.5	1808.1	1887.9	1971.5	2043.8
20°	1216.2	1296.6	1385.5	1482.6	1580.1	1677.7	1768.8	1850.8	1933.2	2029.7	2089.1
22.5°	1200.7	1280.2	1372.5	1475.7	1580.6	1683.3	1786.5	1882.7	1975.5	2072.8	2148.6
25°	1167.7	1262.0	1362.3	1467.4	1571.0	1684.2	1807.0	1914.4	2029.2	2129.5	2201.2
27.5°	1134.2	1220.8	1320.6	1427.2	1542.3	1676.1	1820.7	1942.6	2057.7	2129.5	2152.0
30°	1104.1	1195.7	1287.4	1395.7	1520.3	1669.6	1823.3	1962.9	2057.2	2088.5	2065.3
32.5°	1073.5	1156.5	1247.3	1358.2	1490.5	1653.7	1826.7	1950.8	2007.6	1983.7	1889.4
35°	1019.5	1094.4	1182.3	1293.3	1445.3	1644.8	1812.5	1896.6	1882.5	1747.8	1569.9
37.5°	961.6	1022.7	1104.1	1220.2	1398.5	1609.8	1751.2	1763.6	1642.4	1435.4	1229.9
40°	915.9	970.9	1054.5	1175.8	1362.3	1575.3	1689.6	1639.4	1451.3	1221.1	1049.6
42.5°	871.5	917.9	998.4	1129.2	1327.9	1528.3	1597.7	1488.5	1271.5	1053.8	897.9
45°	796.2	840.0	920.8	1055.0	1257.2	1438.4	1429.2	1239.4	1022.2	846.9	717.6
47.5°	724.8	763.0	838.9	976.0	1174.3	1303.5	1217.8	1015.9	831.6	691.0	598.7
50°	674.4	712.2	787.7	923.0	1107.9	1202.2	1079.8	885.2	716.4	600.0	526.7
52.5°	626.1	663.0	732.0	863.9	1027.6	1084.0	952.6	772.2	631.5	531.0	468.0
55°	558.5	586.5	648.6	774.7	897.1	910.0	776.8	625.9	510.0	439.9	396.8
57.5°	489.6	513.7	575.0	675.5	761.3	754.6	628.4	497.8	419.8	367.7	336.4
60°	444.7	468.5	522.4	608.6	673.4	650.7	534.8	429.7	362.8	324.6	299.8
62.5°	402.9	421.4	471.9	534.9	581.5	555.8	457.2	370.2	317.1	284.9	265.2
65°	342.3	357.4	397.8	430.7	456.6	431.8	349.9	289.5	251.2	228.5	215.1
67.5°	284.8	294.4	319.9	331.8	350.0	322.8	263.1	222.7	200.9	181.8	172.4
70°	248.5	255.6	269.0	278.7	283.6	255.6	211.4	181.6	163.3	149.9	143.9
72.5°	212.3	218.5	221.2	229.1	226.6	200.3	169.9	146.3	133.2	124.0	116.4
75°	162.2	164.9	162.2	159.1	152.0	133.7	112.6	100.8	91.1	86.8	84.1
77.5°	118.3	117.4	113.8	108.7	96.7	85.2	73.8	69.9	65.7	63.4	62.4
80°	91.1	89.0	85.7	77.6	67.4	59.3	56.6	53.9	52.3	49.6	49.0
82.5°	67.8	66.5	61.2	54.3	47.1	43.3	41.1	40.1	38.5	37.1	37.0
85°	36.1	34.5	28.6	24.8	23.7	22.7	22.1	22.1	20.0	19.4	19.4
87.5°	12.0	9.7	9.5	8.5	8.8	8.2	9.0	8.5	8.4	9.0	8.2
90°	1.9	3.2	4.4	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1
92.5°	10.5	10.1	9.7	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6
95°	30.3	25.0	19.6	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9
97.5°	69.1	66.7	64.3	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8
100°	101.1	103.7	106.3	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3
102.5°	131.2	133.0	134.9	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9
105°	175.2	176.6	178.0	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8
107.5°	221.7	222.8	224.0	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3
110°	252.9	253.9	254.9	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.6	283.5	284.5	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5
115°	326.6	327.4	328.2	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2
117.5°	369.6	370.6	371.5	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7
120°	396.4	397.6	398.7	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3
122.5°	423.3	424.2	425.2	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2
125°	460.4	461.4	462.5	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8
127.5°	496.3	497.3	498.4	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6
130°	518.7	519.8	520.8	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7
132.5°	540.1	541.1	542.2	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7
135°	572.7	573.4	574.2	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5
137.5°	600.8	601.8	602.8	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8
140°	619.2	620.0	620.8	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8
142.5°	636.5	637.3	638.1	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8
145°	660.8	661.7	662.6	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7
147.5°	683.2	683.8	684.4	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0
150°	697.0	697.4	697.8	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1
152.5°	709.4	709.6	709.7	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6
155°	726.7	726.4	726.1	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6
157.5°	740.7	740.6	740.6	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6
160°	748.9	748.8	748.7	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5
162.5°	756.7	756.3	756.0	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7
165°	766.2	765.8	765.4	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3
167.5°	773.5	773.0	772.5	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7
170°	777.7	777.2	776.7	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9
172.5°	780.4	779.7	779.2	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8
175°	783.9	783.3	782.7	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1
177.5°	785.1	784.5	784.0	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1328.3	1328.3	1330.1	1336.6	1337.4	1343.0	1341.3
5°	1459.9	1470.1	1473.9	1490.1	1499.8	1504.1	1495.5
7.5°	1620.8	1649.6	1663.3	1680.3	1695.3	1699.8	1688.1
10°	1738.0	1768.2	1793.6	1809.3	1823.8	1833.5	1845.9
12.5°	1851.5	1888.6	1912.6	1934.7	1949.7	1962.0	1964.1
15°	1974.8	2030.8	2073.4	2104.7	2120.3	2128.4	2125.2
17.5°	2099.0	2151.0	2181.4	2213.3	2234.9	2236.0	2236.6
20°	2169.4	2220.0	2255.1	2278.8	2303.0	2302.0	2307.4
22.5°	2216.4	2256.3	2283.1	2300.3	2308.7	2304.5	2305.6
25°	2238.4	2250.2	2245.4	2217.9	2210.9	2185.6	2189.8
27.5°	2124.9	2068.9	2010.9	1936.3	1877.4	1830.3	1832.7
30°	1970.9	1871.8	1758.6	1663.7	1578.5	1554.8	1504.1
32.5°	1755.8	1606.9	1474.3	1385.9	1312.8	1293.0	1248.8
35°	1390.9	1246.4	1110.0	1028.1	995.7	950.5	949.9
37.5°	1081.1	953.9	881.8	820.3	788.1	760.7	758.0
40°	909.5	810.2	755.8	711.6	679.9	659.3	654.5
42.5°	789.6	709.3	658.4	631.0	606.5	596.0	588.0
45°	644.8	590.9	555.2	530.4	519.2	511.0	506.8
47.5°	539.3	503.2	479.0	462.5	453.3	444.7	447.0
50°	482.0	452.3	434.5	418.9	411.9	405.9	406.5
52.5°	435.8	409.2	394.8	383.5	374.8	370.6	368.5
55°	369.8	353.1	338.6	330.5	325.6	319.7	318.1
57.5°	315.4	302.5	290.7	281.5	280.4	274.6	275.4
60°	279.2	268.5	258.8	253.9	250.2	245.3	246.9
62.5°	249.5	240.4	231.6	227.6	223.9	220.3	221.0
65°	204.3	195.7	190.3	188.1	186.6	184.9	183.3
67.5°	162.8	157.6	154.2	149.6	146.2	145.7	144.0
70°	137.0	129.9	124.0	118.0	116.5	115.9	116.5
72.5°	109.8	105.4	103.7	100.8	100.5	99.1	100.1
75°	82.5	80.9	79.8	77.6	77.6	77.6	77.6
77.5°	60.8	59.8	59.2	58.8	58.2	57.4	57.4
80°	47.5	46.9	45.8	45.8	45.3	45.8	45.3
82.5°	35.8	35.7	34.6	34.6	34.1	33.7	34.1
85°	18.3	17.8	18.9	17.8	18.3	17.3	18.3
87.5°	8.3	8.4	8.0	8.1	7.7	8.6	7.8
90°	15.5	16.1	16.5	16.7	17.0	17.2	17.5
92.5°	17.4	18.2	18.7	18.9	19.0	19.2	19.3
95°	20.8	21.7	22.2	22.2	22.2	22.2	22.2
97.5°	21.9	22.9	23.5	23.6	23.8	23.9	24.0
100°	22.3	23.4	24.0	24.1	24.2	24.3	24.5
102.5°	28.8	25.5	24.0	24.2	24.5	24.7	25.0
105°	58.9	36.0	24.6	24.9	25.1	25.4	25.7
107.5°	183.5	166.8	149.7	132.4	115.1	97.8	80.6
110°	250.1	245.8	234.4	215.9	197.3	178.8	160.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.6	292.6	290.7	286.8	282.9	278.9	275.0
115°	338.5	339.8	340.7	341.2	341.7	342.2	342.8
117.5°	378.7	379.8	380.3	380.5	380.6	380.6	380.8
120°	405.4	406.4	406.9	406.9	406.9	406.9	406.9
122.5°	430.9	431.7	432.1	432.2	432.3	432.5	432.5
125°	467.1	467.4	467.6	467.9	468.2	468.4	468.7
127.5°	504.0	504.4	504.5	504.2	503.9	503.7	503.4
130°	526.2	526.7	526.9	526.6	526.3	526.1	525.8
132.5°	547.2	547.7	547.8	547.4	547.1	546.7	546.3
135°	578.8	579.2	579.2	578.8	578.5	578.1	577.7
137.5°	607.4	608.1	608.2	608.0	607.7	607.4	607.2
140°	625.3	625.8	626.0	625.7	625.4	625.2	624.9
142.5°	642.2	642.6	642.7	642.3	642.0	641.6	641.2
145°	665.9	666.1	666.3	666.3	666.3	666.3	666.3
147.5°	687.2	687.5	687.3	686.7	686.1	685.6	684.9
150°	700.3	700.5	700.5	700.1	699.7	699.3	698.9
152.5°	712.1	712.6	712.5	711.9	711.3	710.7	710.1
155°	728.3	729.0	728.9	728.1	727.3	726.5	725.7
157.5°	742.3	743.1	743.0	742.0	740.9	740.0	738.9
160°	750.3	751.0	751.0	750.0	749.2	748.2	747.3
162.5°	757.6	758.4	758.4	757.6	756.9	756.1	755.3
165°	767.3	768.3	768.4	767.5	766.6	765.7	764.8
167.5°	774.8	775.9	775.9	774.8	773.7	772.7	771.7
170°	779.0	780.1	780.1	779.0	777.9	776.9	775.9
172.5°	781.8	782.8	782.8	781.6	780.5	779.3	778.2
175°	785.1	785.9	785.8	784.8	783.8	782.8	781.7
177.5°	786.2	787.0	786.9	785.8	784.8	783.8	782.8
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7

(END OF REPORT)