

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: P331439-927

Luminaire Tested: **S122DIP-S1005D725U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331439-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S1005D725U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5539.7 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

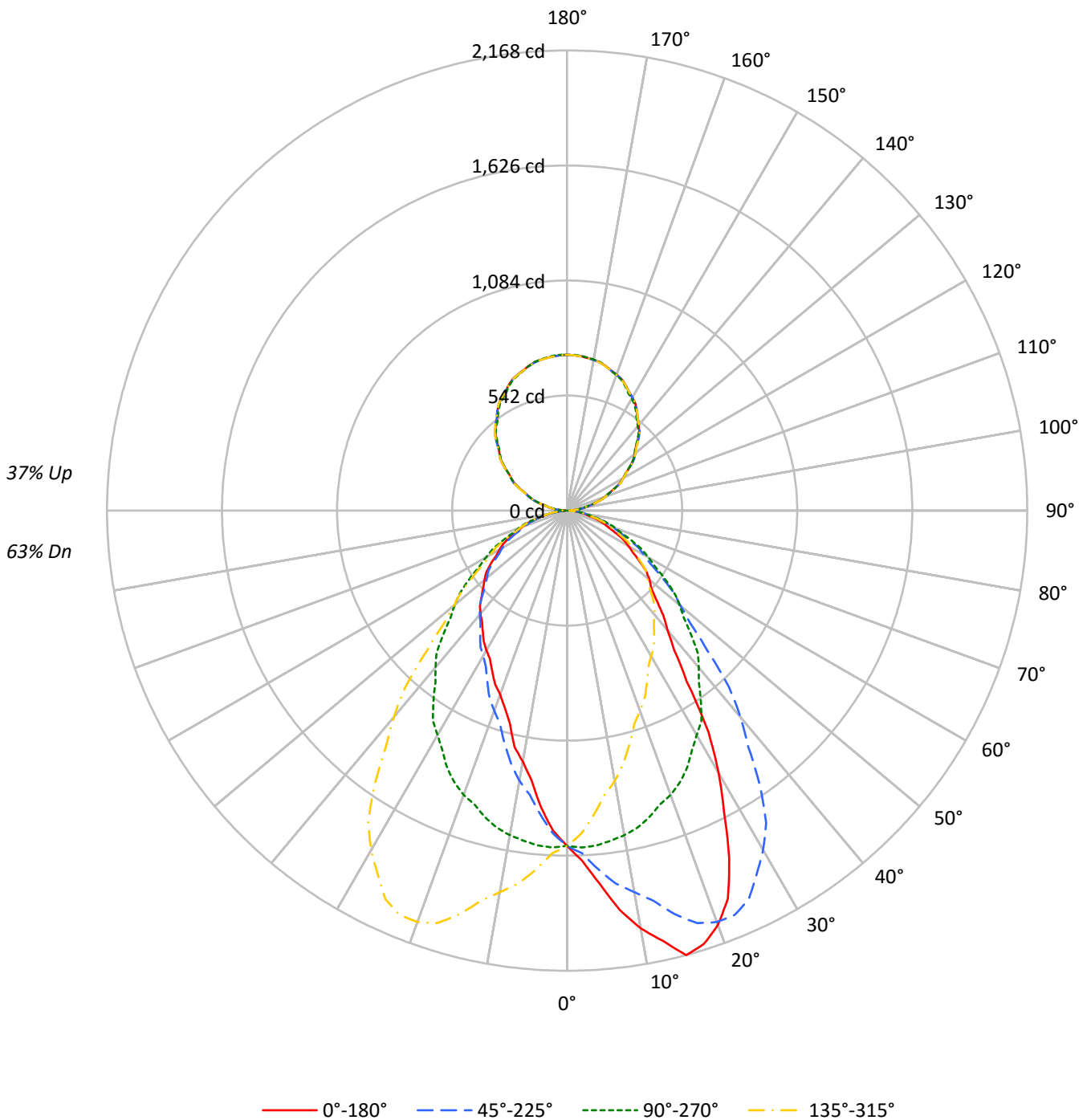
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	97	93	90	95	91	88	85	80	78	76	70	69	67	61	60	59	54
2	93	86	80	75	87	81	75	71	71	67	64	62	59	57	54	52	50	46
3	85	76	69	63	80	71	65	60	63	58	54	56	52	49	49	46	44	40
4	78	68	60	54	73	64	57	51	57	51	47	50	46	42	44	41	38	35
5	72	61	53	47	67	57	50	45	51	45	41	45	41	37	40	36	34	31
6	67	55	47	41	62	52	45	39	46	40	36	41	37	33	37	33	30	27
7	62	50	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	24
8	58	45	38	32	54	43	36	31	39	33	29	35	30	27	31	27	24	22
9	54	42	34	29	50	40	33	28	36	30	26	32	27	24	29	25	22	20
10	50	38	31	26	47	36	30	25	33	27	24	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.7
10°-20°	437.4	7.9
20°-30°	634.7	11.5
30°-40°	669.8	12.1
40°-50°	593.0	10.7
50°-60°	473.3	8.5
60°-70°	321.7	5.8
70°-80°	164.9	3.0
80°-90°	42.7	0.8
90°-100°	46.5	0.8
100°-110°	144.4	2.6
110°-120°	246.8	4.5
120°-130°	324.6	5.9
130°-140°	364.3	6.6
140°-150°	357.2	6.4
150°-160°	299.6	5.4
160°-170°	198.7	3.6
170°-180°	69.5	1.3
0°-30°	1222.5	22.1
0°-40°	1892.3	34.2
0°-60°	2958.6	53.4
0°-90°	3488.0	63.0
90°-120°	437.7	7.9
90°-150°	1483.9	26.8
90°-180°	2052.0	37.0
0°-180°	5539.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	36
90°	21	1	21	1	21	11
95°	38	32	38	32	38	43
105°	137	133	137	133	137	145
115°	248	248	248	248	248	245
125°	362	360	362	360	362	322
135°	472	466	472	466	472	363
145°	572	566	572	566	572	357
155°	652	647	652	647	652	300
165°	705	704	705	704	705	199
175°	730	732	730	732	730	69
180°	734	734	734	734	734	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	16.9	16.8	17.3	16.8	16.7	17.2	17.3	16.9	17.4	17.9	17.8
90°	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2	21.4	21.7	18.6
92.5°	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8	19.7	19.7	19.0
95°	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6	39.6	39.6	39.4
97.5°	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.1
100°	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.0
102.5°	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0	105.8	105.8	105.2
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8	136.5	136.3	135.9
107.5°	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0	169.9	169.8	169.8
110°	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2	215.6	215.9	215.9
115°	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9	250.0	250.2	250.4
117.5°	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4	283.8	284.1	284.9
120°	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9	305.9	305.9	307.0
122.5°	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0	329.3	329.6	330.4
125°	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3	363.7	364.1	364.5
127.5°	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6	397.0	397.5	398.0
130°	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3	419.5	419.9	420.1
132.5°	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4	442.0	442.6	442.5
135°	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0	474.2	474.3	474.0
137.5°	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3	505.4	505.5	505.2
140°	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3	526.3	526.3	525.6
142.5°	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3	545.3	545.2	544.7
145°	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3	574.2	574.0	573.1
147.5°	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6	599.3	599.0	598.5
150°	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7	615.3	614.9	614.3
152.5°	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8	631.2	630.7	630.0
155°	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1	651.5	650.8	650.4
157.5°	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0	670.0	669.1	668.8
160°	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1	681.4	680.5	680.4
162.5°	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3	691.3	690.4	690.3
165°	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4	704.4	703.4	703.4
167.5°	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1	715.2	714.2	714.2
170°	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1	721.1	720.1	720.3
172.5°	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5	725.6	724.6	724.8
175°	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3	730.4	729.4	729.7
177.5°	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6	732.9	732.3	732.5
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	17.7	17.1	16.5	17.0	15.2	14.9	12.6	10.8	10.6	10.5	9.8
90°	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6	2.3	4.0	5.5
92.5°	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0	12.2	13.5	14.7
95°	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2	33.6	34.9	36.4
97.5°	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9	60.0	61.2	62.4
100°	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7	79.8	80.8	81.9
102.5°	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4	100.3	101.2	102.1
105°	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2	133.6	134.0	134.4
107.5°	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1	167.7	168.3	168.9
110°	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9	189.6	190.5	191.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6	213.5	214.3	215.1
115°	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7	248.5	249.3	250.2
117.5°	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6	283.7	284.8	285.9
120°	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	307.0	308.1	309.2
122.5°	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2	328.5	329.9	331.1
125°	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4	361.6	362.8	364.1
127.5°	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7	394.3	395.9	397.4
130°	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0	414.8	416.6	418.4
132.5°	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8	437.3	438.7	440.1
135°	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3	467.8	469.3	470.8
137.5°	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4	499.6	500.8	502.1
140°	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7	518.9	520.1	521.3
142.5°	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5	538.7	540.0	541.2
145°	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9	566.9	567.9	568.9
147.5°	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4	592.5	593.7	594.8
150°	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7	609.5	610.3	611.2
152.5°	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0	624.9	625.7	626.5
155°	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1	647.5	647.9	648.3
157.5°	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8	667.0	667.3	667.6
160°	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7	678.9	679.2	679.5
162.5°	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5	689.6	689.7	689.7
165°	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0	703.9	703.8	703.6
167.5°	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1	715.7	715.3	714.9
170°	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6	722.2	721.8	721.4
172.5°	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1	726.7	726.3	725.8
175°	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5	732.1	731.7	731.3
177.5°	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7	734.4	734.1	733.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331439-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	9.7	9.7	9.8	10.4	10.5	10.6	10.1	10.1	10.0	9.0	9.0
90°	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2	20.8	20.6	20.5
92.5°	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8	19.9	19.9	20.0
95°	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.5
97.5°	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6
100°	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5	85.5	85.5	85.4
102.5°	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0	106.1	106.2	106.2
105°	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8	137.0	137.4	137.4
107.5°	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0	170.1	170.2	170.0
110°	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.3



TEST NUMBER: P331439-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2	214.8	214.5	214.2
115°	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9	249.8	249.6	249.3
117.5°	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4	283.1	282.7	282.4
120°	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9	305.9	305.9	305.7
122.5°	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0	328.7	328.4	328.0
125°	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3	362.8	362.4	362.2
127.5°	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6	396.0	395.5	395.1
130°	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3	419.0	418.7	418.3
132.5°	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4	440.8	440.2	439.7
135°	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0	473.9	473.7	473.5
137.5°	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3	505.2	505.1	504.8
140°	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3	526.3	526.3	526.0
142.5°	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3	545.5	545.6	545.3
145°	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3	574.4	574.6	574.3
147.5°	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6	599.9	600.2	600.2
150°	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7	616.1	616.6	616.6
152.5°	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8	632.3	632.8	632.8
155°	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1	652.8	653.6	653.7
157.5°	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0	671.9	672.9	673.0
160°	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1	683.0	683.8	684.0
162.5°	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3	693.2	694.2	694.3
165°	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4	706.3	707.3	707.4
167.5°	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1	717.1	718.0	718.2
170°	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1	723.0	724.0	724.1
172.5°	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5	727.5	728.4	728.5
175°	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3	732.3	733.2	733.3
177.5°	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6	734.3	734.9	734.9
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331439-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	9.0	8.6	8.6	8.1	8.6	8.6	9.0	9.0	9.0	10.0	10.1
90°	20.7	20.8	20.9	21.1	20.9	20.8	20.7	20.5	20.6	20.8	21.2
92.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.9	19.9	19.8
95°	39.2	39.0	38.7	38.4	38.7	39.0	39.2	39.5	39.6	39.6	39.6
97.5°	66.6	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6
100°	85.2	85.1	85.0	84.8	85.0	85.1	85.2	85.4	85.5	85.5	85.5
102.5°	106.1	105.9	105.8	105.6	105.8	105.9	106.1	106.2	106.2	106.1	106.0
105°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.0	136.8
107.5°	169.4	168.7	168.1	167.5	168.1	168.7	169.4	170.0	170.2	170.1	170.0
110°	191.9	191.5	191.2	190.7	191.2	191.5	191.9	192.3	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	213.9	213.6	213.3	213.0	213.3	213.6	213.9	214.2	214.5	214.8	215.2
115°	248.9	248.5	248.1	247.7	248.1	248.5	248.9	249.3	249.6	249.8	249.9
117.5°	282.0	281.5	281.1	280.7	281.1	281.5	282.0	282.4	282.7	283.1	283.4
120°	305.2	304.8	304.4	304.0	304.4	304.8	305.2	305.7	305.9	305.9	305.9
122.5°	327.7	327.4	327.1	326.9	327.1	327.4	327.7	328.0	328.4	328.7	329.0
125°	362.0	361.9	361.8	361.6	361.8	361.9	362.0	362.2	362.4	362.8	363.3
127.5°	394.7	394.2	393.8	393.3	393.8	394.2	394.7	395.1	395.5	396.0	396.6
130°	417.7	417.2	416.7	416.1	416.7	417.2	417.7	418.3	418.7	419.0	419.3
132.5°	439.2	438.8	438.3	437.9	438.3	438.8	439.2	439.7	440.2	440.8	441.4
135°	473.1	472.7	472.2	471.8	472.2	472.7	473.1	473.5	473.7	473.9	474.0
137.5°	504.2	503.7	503.1	502.6	503.1	503.7	504.2	504.8	505.1	505.2	505.3
140°	525.5	525.0	524.4	523.9	524.4	525.0	525.5	526.0	526.3	526.3	526.3
142.5°	544.8	544.2	543.8	543.2	543.8	544.2	544.8	545.3	545.6	545.5	545.3
145°	573.8	573.2	572.7	572.1	572.7	573.2	573.8	574.3	574.6	574.4	574.3
147.5°	599.6	599.0	598.6	598.0	598.6	599.0	599.6	600.2	600.2	599.9	599.6
150°	616.1	615.7	615.3	614.9	615.3	615.7	616.1	616.6	616.6	616.1	615.7
152.5°	632.3	631.8	631.2	630.7	631.2	631.8	632.3	632.8	632.8	632.3	631.8
155°	653.2	652.8	652.4	652.0	652.4	652.8	653.2	653.7	653.6	652.8	652.1
157.5°	672.3	671.7	671.0	670.3	671.0	671.7	672.3	673.0	672.9	671.9	671.0
160°	683.4	682.9	682.3	681.8	682.3	682.9	683.4	684.0	683.8	683.0	682.1
162.5°	693.6	693.0	692.3	691.7	692.3	693.0	693.6	694.3	694.2	693.2	692.3
165°	706.7	706.0	705.4	704.6	705.4	706.0	706.7	707.4	707.3	706.3	705.4
167.5°	717.5	716.8	716.1	715.3	716.1	716.8	717.5	718.2	718.0	717.1	716.1
170°	723.3	722.4	721.6	720.7	721.6	722.4	723.3	724.1	724.0	723.0	722.1
172.5°	727.7	726.8	726.0	725.2	726.0	726.8	727.7	728.5	728.4	727.5	726.5
175°	732.5	731.7	730.9	730.1	730.9	731.7	732.5	733.3	733.2	732.3	731.3
177.5°	734.3	733.6	732.9	732.3	732.9	733.6	734.3	734.9	734.9	734.3	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331439-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	10.1	10.6	10.5	10.4	9.8	9.7	9.7	9.8	10.5	10.6	10.8
90°	21.4	21.7	18.6	15.6	12.6	9.6	7.2	5.5	4.0	2.3	0.6
92.5°	19.7	19.7	19.0	18.2	17.5	16.8	15.8	14.7	13.5	12.2	11.0
95°	39.6	39.6	39.4	39.1	38.8	38.5	37.7	36.4	34.9	33.6	32.2
97.5°	66.6	66.6	66.1	65.6	65.0	64.6	63.7	62.4	61.2	60.0	58.9
100°	85.5	85.5	85.0	84.6	84.2	83.8	83.0	81.9	80.8	79.8	78.7
102.5°	105.8	105.8	105.2	104.7	104.2	103.7	103.0	102.1	101.2	100.3	99.4
105°	136.5	136.3	135.9	135.7	135.4	135.1	134.8	134.4	134.0	133.6	133.2
107.5°	169.9	169.8	169.8	169.8	169.8	169.8	169.4	168.9	168.3	167.7	167.1
110°	192.6	192.6	192.6	192.6	192.6	192.6	192.2	191.3	190.5	189.6	188.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	215.6	215.9	215.9	216.1	216.2	216.3	215.9	215.1	214.3	213.5	212.6
115°	250.0	250.2	250.4	250.7	251.0	251.3	251.0	250.2	249.3	248.5	247.7
117.5°	283.8	284.1	284.9	285.7	286.4	287.2	287.0	285.9	284.8	283.7	282.6
120°	305.9	305.9	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9
122.5°	329.3	329.6	330.4	331.2	332.0	332.7	332.5	331.1	329.9	328.5	327.2
125°	363.7	364.1	364.5	364.9	365.4	365.8	365.4	364.1	362.8	361.6	360.4
127.5°	397.0	397.5	398.0	398.5	399.0	399.5	398.9	397.4	395.9	394.3	392.7
130°	419.5	419.9	420.1	420.3	420.6	420.9	420.2	418.4	416.6	414.8	413.0
132.5°	442.0	442.6	442.5	442.5	442.4	442.4	441.6	440.1	438.7	437.3	435.8
135°	474.2	474.3	474.0	473.7	473.5	473.2	472.3	470.8	469.3	467.8	466.3
137.5°	505.4	505.5	505.2	504.8	504.5	504.1	503.3	502.1	500.8	499.6	498.4
140°	526.3	526.3	525.6	525.0	524.3	523.6	522.6	521.3	520.1	518.9	517.7
142.5°	545.3	545.2	544.7	544.2	543.8	543.3	542.4	541.2	540.0	538.7	537.5
145°	574.2	574.0	573.1	572.4	571.6	570.7	569.8	568.9	567.9	566.9	565.9
147.5°	599.3	599.0	598.5	597.9	597.4	596.8	596.0	594.8	593.7	592.5	591.4
150°	615.3	614.9	614.3	613.8	613.2	612.7	612.0	611.2	610.3	609.5	608.7
152.5°	631.2	630.7	630.0	629.4	628.8	628.0	627.3	626.5	625.7	624.9	624.0
155°	651.5	650.8	650.4	650.0	649.5	649.1	648.7	648.3	647.9	647.5	647.1
157.5°	670.0	669.1	668.8	668.6	668.4	668.1	667.9	667.6	667.3	667.0	666.8
160°	681.4	680.5	680.4	680.2	680.1	679.9	679.8	679.5	679.2	678.9	678.7
162.5°	691.3	690.4	690.3	690.1	690.0	689.8	689.8	689.7	689.7	689.6	689.5
165°	704.4	703.4	703.4	703.4	703.4	703.4	703.5	703.6	703.8	703.9	704.0
167.5°	715.2	714.2	714.2	714.2	714.3	714.3	714.5	714.9	715.3	715.7	716.1
170°	721.1	720.1	720.3	720.4	720.6	720.6	721.0	721.4	721.8	722.2	722.6
172.5°	725.6	724.6	724.8	724.8	725.0	725.2	725.4	725.8	726.3	726.7	727.1
175°	730.4	729.4	729.7	730.0	730.2	730.6	730.9	731.3	731.7	732.1	732.5
177.5°	732.9	732.3	732.5	732.7	732.9	733.2	733.4	733.7	734.1	734.4	734.7
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



TEST NUMBER: P331439-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	12.6	14.9	15.2	17.0	16.5	17.1	17.7	17.8	17.9	17.4	16.9
90°	2.3	4.0	5.5	7.2	9.6	12.6	15.6	18.6	21.7	21.4	21.2
92.5°	12.2	13.5	14.7	15.8	16.8	17.5	18.2	19.0	19.7	19.7	19.8
95°	33.6	34.9	36.4	37.7	38.5	38.8	39.1	39.4	39.6	39.6	39.6
97.5°	60.0	61.2	62.4	63.7	64.6	65.0	65.6	66.1	66.6	66.6	66.6
100°	79.8	80.8	81.9	83.0	83.8	84.2	84.6	85.0	85.5	85.5	85.5
102.5°	100.3	101.2	102.1	103.0	103.7	104.2	104.7	105.2	105.8	105.8	106.0
105°	133.6	134.0	134.4	134.8	135.1	135.4	135.7	135.9	136.3	136.5	136.8
107.5°	167.7	168.3	168.9	169.4	169.8	169.8	169.8	169.8	169.8	169.9	170.0
110°	189.6	190.5	191.3	192.2	192.6	192.6	192.6	192.6	192.6	192.6	192.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.5	214.3	215.1	215.9	216.3	216.2	216.1	215.9	215.9	215.6	215.2
115°	248.5	249.3	250.2	251.0	251.3	251.0	250.7	250.4	250.2	250.0	249.9
117.5°	283.7	284.8	285.9	287.0	287.2	286.4	285.7	284.9	284.1	283.8	283.4
120°	307.0	308.1	309.2	310.3	310.3	309.2	308.1	307.0	305.9	305.9	305.9
122.5°	328.5	329.9	331.1	332.5	332.7	332.0	331.2	330.4	329.6	329.3	329.0
125°	361.6	362.8	364.1	365.4	365.8	365.4	364.9	364.5	364.1	363.7	363.3
127.5°	394.3	395.9	397.4	398.9	399.5	399.0	398.5	398.0	397.5	397.0	396.6
130°	414.8	416.6	418.4	420.2	420.9	420.6	420.3	420.1	419.9	419.5	419.3
132.5°	437.3	438.7	440.1	441.6	442.4	442.4	442.5	442.5	442.6	442.0	441.4
135°	467.8	469.3	470.8	472.3	473.2	473.5	473.7	474.0	474.3	474.2	474.0
137.5°	499.6	500.8	502.1	503.3	504.1	504.5	504.8	505.2	505.5	505.4	505.3
140°	518.9	520.1	521.3	522.6	523.6	524.3	525.0	525.6	526.3	526.3	526.3
142.5°	538.7	540.0	541.2	542.4	543.3	543.8	544.2	544.7	545.2	545.3	545.3
145°	566.9	567.9	568.9	569.8	570.7	571.6	572.4	573.1	574.0	574.2	574.3
147.5°	592.5	593.7	594.8	596.0	596.8	597.4	597.9	598.5	599.0	599.3	599.6
150°	609.5	610.3	611.2	612.0	612.7	613.2	613.8	614.3	614.9	615.3	615.7
152.5°	624.9	625.7	626.5	627.3	628.0	628.8	629.4	630.0	630.7	631.2	631.8
155°	647.5	647.9	648.3	648.7	649.1	649.5	650.0	650.4	650.8	651.5	652.1
157.5°	667.0	667.3	667.6	667.9	668.1	668.4	668.6	668.8	669.1	670.0	671.0
160°	678.9	679.2	679.5	679.8	679.9	680.1	680.2	680.4	680.5	681.4	682.1
162.5°	689.6	689.7	689.7	689.8	689.8	690.0	690.1	690.3	690.4	691.3	692.3
165°	703.9	703.8	703.6	703.5	703.4	703.4	703.4	703.4	703.4	704.4	705.4
167.5°	715.7	715.3	714.9	714.5	714.3	714.3	714.2	714.2	714.2	715.2	716.1
170°	722.2	721.8	721.4	721.0	720.6	720.6	720.4	720.3	720.1	721.1	722.1
172.5°	726.7	726.3	725.8	725.4	725.2	725.0	724.8	724.8	724.6	725.6	726.5
175°	732.1	731.7	731.3	730.9	730.6	730.2	730.0	729.7	729.4	730.4	731.3
177.5°	734.4	734.1	733.7	733.4	733.2	732.9	732.7	732.5	732.3	732.9	733.6
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	17.3	17.2	16.7	16.8	17.3	16.8	16.9
90°	20.8	20.6	20.5	20.7	20.8	20.9	21.1
92.5°	19.9	19.9	20.0	20.0	20.0	20.0	20.0
95°	39.6	39.6	39.5	39.2	39.0	38.7	38.4
97.5°	66.6	66.6	66.6	66.6	66.5	66.5	66.5
100°	85.5	85.5	85.4	85.2	85.1	85.0	84.8
102.5°	106.1	106.2	106.2	106.1	105.9	105.8	105.6
105°	137.0	137.4	137.4	137.4	137.4	137.4	137.4
107.5°	170.1	170.2	170.0	169.4	168.7	168.1	167.5
110°	192.6	192.6	192.3	191.9	191.5	191.2	190.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	214.8	214.5	214.2	213.9	213.6	213.3	213.0
115°	249.8	249.6	249.3	248.9	248.5	248.1	247.7
117.5°	283.1	282.7	282.4	282.0	281.5	281.1	280.7
120°	305.9	305.9	305.7	305.2	304.8	304.4	304.0
122.5°	328.7	328.4	328.0	327.7	327.4	327.1	326.9
125°	362.8	362.4	362.2	362.0	361.9	361.8	361.6
127.5°	396.0	395.5	395.1	394.7	394.2	393.8	393.3
130°	419.0	418.7	418.3	417.7	417.2	416.7	416.1
132.5°	440.8	440.2	439.7	439.2	438.8	438.3	437.9
135°	473.9	473.7	473.5	473.1	472.7	472.2	471.8
137.5°	505.2	505.1	504.8	504.2	503.7	503.1	502.6
140°	526.3	526.3	526.0	525.5	525.0	524.4	523.9
142.5°	545.5	545.6	545.3	544.8	544.2	543.8	543.2
145°	574.4	574.6	574.3	573.8	573.2	572.7	572.1
147.5°	599.9	600.2	600.2	599.6	599.0	598.6	598.0
150°	616.1	616.6	616.6	616.1	615.7	615.3	614.9
152.5°	632.3	632.8	632.8	632.3	631.8	631.2	630.7
155°	652.8	653.6	653.7	653.2	652.8	652.4	652.0
157.5°	671.9	672.9	673.0	672.3	671.7	671.0	670.3
160°	683.0	683.8	684.0	683.4	682.9	682.3	681.8
162.5°	693.2	694.2	694.3	693.6	693.0	692.3	691.7
165°	706.3	707.3	707.4	706.7	706.0	705.4	704.6
167.5°	717.1	718.0	718.2	717.5	716.8	716.1	715.3
170°	723.0	724.0	724.1	723.3	722.4	721.6	720.7
172.5°	727.5	728.4	728.5	727.7	726.8	726.0	725.2
175°	732.3	733.2	733.3	732.5	731.7	730.9	730.1
177.5°	734.3	734.9	734.9	734.3	733.6	732.9	732.3
180°	733.7	733.7	733.7	733.7	733.7	733.7	733.7

(END OF REPORT)