

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: P332372-927

Luminaire Tested: **S123RDIP-S1165D805U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332372-927
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: S123RDIP-S1165D805U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6165.8 lumens
Efficiency: N/A
Efficacy: 101.6 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

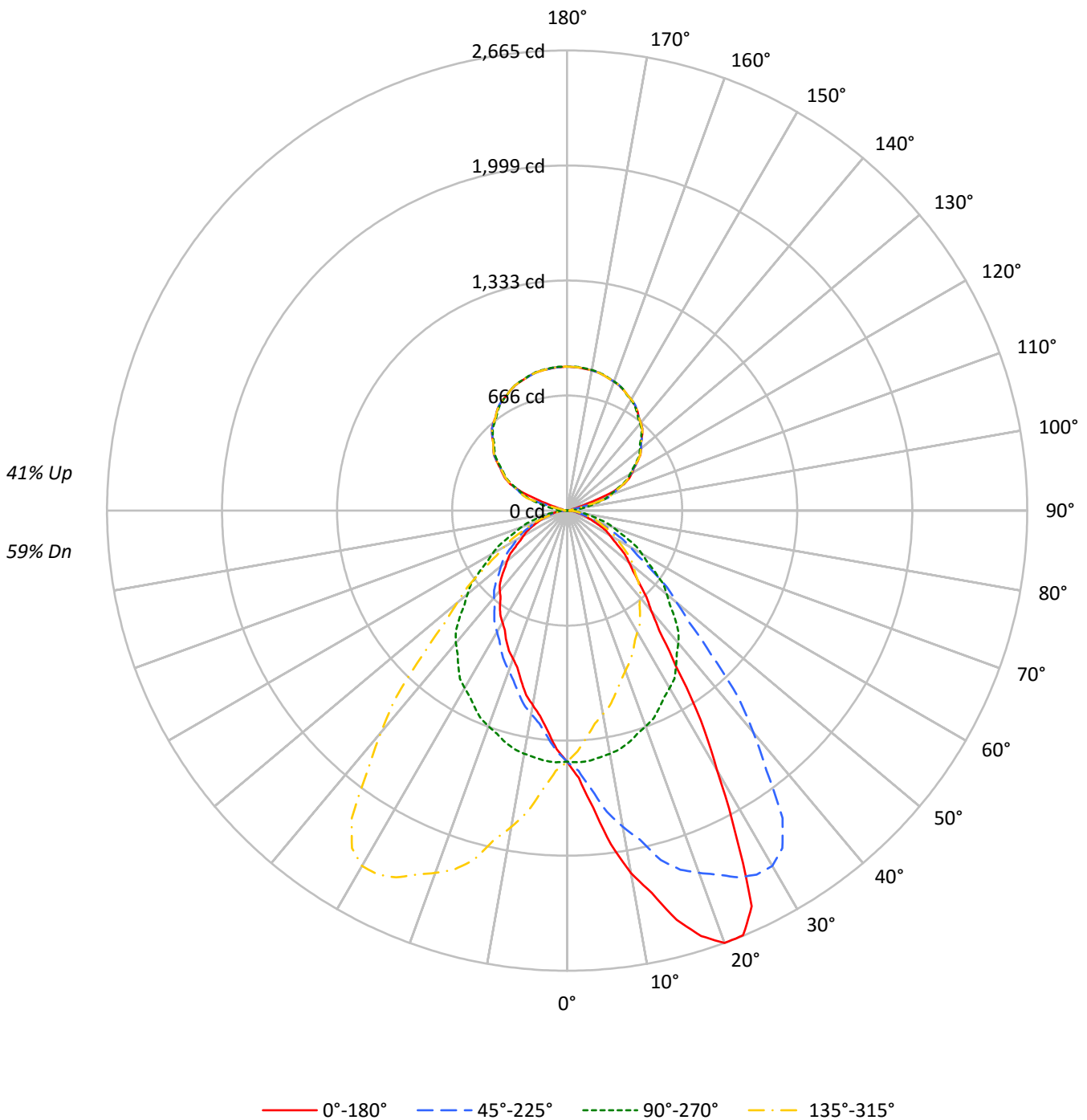
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	93	89	94	90	87	84	78	76	74	68	66	64	58	57	56	51
2	92	85	79	74	86	80	74	70	70	66	62	60	57	55	52	50	48	44
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	46	44	42	38
4	78	67	59	54	72	63	56	51	56	50	46	48	44	41	42	39	36	33
5	71	60	52	46	67	57	50	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26
7	61	49	41	36	57	46	39	34	41	36	31	36	32	28	32	28	26	23
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	29	26	23	21
9	53	41	34	29	50	39	32	28	35	29	25	31	26	23	27	24	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15655	15655	15655	15655
5°	18662	15722	13846	15722
10°	23302	15632	12508	15632
15°	27351	15473	11407	15473
20°	30525	15234	10470	15234
25°	30037	14982	9894	14982
30°	21592	14751	9302	14751
35°	14416	14448	8918	14448
40°	10621	14085	8521	14085
45°	8910	13449	8132	13449
50°	7860	12616	7591	12616
55°	6893	11661	6848	11661
60°	6140	10749	6273	10749
65°	5392	9770	5835	9770
70°	4233	8897	5331	8897
75°	3730	7769	4870	7769
80°	3242	6602	4785	6602
85°	2618	5298	5076	5298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.3
10°-20°	446.9	7.2
20°-30°	702.0	11.4
30°-40°	732.4	11.9
40°-50°	626.8	10.2
50°-60°	477.7	7.7
60°-70°	306.2	5.0
70°-80°	147.3	2.4
80°-90°	41.3	0.7
90°-100°	30.3	0.5
100°-110°	144.4	2.3
110°-120°	347.0	5.6
120°-130°	441.8	7.2
130°-140°	472.1	7.7
140°-150°	441.4	7.2
150°-160°	356.1	5.8
160°-170°	229.8	3.7
170°-180°	79.2	1.3
0°-30°	1291.9	21.0
0°-40°	2024.3	32.8
0°-60°	3128.9	50.7
0°-90°	3623.7	58.8
90°-120°	521.7	8.5
90°-150°	1877.0	30.4
90°-180°	2542.0	41.2
0°-180°	6165.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1454	1454	1454	1454	1454	
5°	1727	1455	1281	1455	1727	178
15°	2454	1388	1024	1388	2454	696
25°	2529	1262	833	1262	2529	1087
35°	1097	1100	679	1100	1097	719
45°	585	884	534	884	585	460
55°	367	621	365	621	367	332
65°	212	384	229	384	212	208
75°	90	187	117	187	90	96
85°	21	43	41	43	21	25
90°	19	1	19	1	19	9
95°	24	38	24	38	24	20
105°	27	185	27	185	27	62
115°	364	346	364	346	364	337
125°	498	488	498	488	498	445
135°	614	608	614	608	614	473
145°	708	701	708	701	708	442
155°	771	772	771	772	771	356
165°	812	814	812	814	812	229
175°	830	834	830	834	830	79
180°	834	834	834	834	834	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1549.1	1551.1	1544.6	1543.6	1536.1	1534.1	1534.1	1523.7	1517.2	1508.8	1503.8
5°	1727.2	1737.2	1732.2	1720.9	1702.2	1697.9	1686.1	1667.4	1646.2	1620.1	1607.7
7.5°	1949.6	1963.2	1958.0	1940.6	1921.0	1905.3	1871.8	1840.9	1797.4	1759.3	1726.6
10°	2131.9	2117.6	2106.3	2089.5	2071.5	2042.2	2007.4	1959.4	1904.0	1860.4	1811.9
12.5°	2268.3	2266.0	2251.8	2234.5	2209.0	2181.2	2138.3	2080.0	2015.5	1952.6	1897.0
15°	2454.4	2458.1	2448.8	2430.7	2394.6	2345.4	2280.7	2256.5	2164.2	2095.8	2027.3
17.5°	2583.1	2582.4	2581.2	2556.1	2519.3	2484.3	2424.2	2360.4	2277.0	2180.5	2088.2
20°	2664.8	2658.6	2659.9	2631.9	2604.5	2564.0	2505.4	2412.7	2344.2	2232.8	2137.5
22.5°	2662.8	2661.7	2666.3	2656.7	2636.9	2605.8	2559.8	2481.4	2394.1	2281.6	2174.4
25°	2529.1	2524.1	2553.4	2561.5	2593.3	2598.8	2585.1	2542.2	2459.4	2343.6	2211.0
27.5°	2116.7	2113.9	2168.3	2236.3	2322.4	2389.4	2454.2	2485.4	2459.4	2376.5	2243.6
30°	1737.2	1795.6	1823.0	1921.4	2031.0	2161.8	2276.3	2385.3	2412.0	2376.0	2267.0
32.5°	1442.2	1493.3	1516.2	1600.7	1702.8	1855.9	2027.7	2182.1	2291.1	2318.6	2253.0
35°	1097.1	1097.7	1150.0	1187.3	1282.0	1439.6	1606.4	1813.1	2018.6	2174.2	2190.4
37.5°	875.4	878.5	910.1	947.4	1018.4	1101.7	1248.6	1420.5	1657.8	1896.8	2036.9
40°	755.9	761.4	785.1	821.9	872.9	935.8	1050.4	1212.3	1410.2	1676.1	1893.4
42.5°	679.1	688.2	700.4	728.7	760.3	819.3	911.9	1037.0	1217.0	1468.4	1719.1
45°	585.3	590.3	599.6	612.7	641.3	682.4	744.7	828.7	978.2	1180.5	1431.4
47.5°	516.3	513.7	523.5	534.1	553.2	581.1	622.9	691.5	798.1	960.4	1173.3
50°	469.4	468.8	475.7	483.8	501.8	522.4	556.7	608.3	693.0	827.5	1022.4
52.5°	425.6	428.0	432.8	442.9	456.0	472.6	503.4	540.6	613.3	729.4	891.8
55°	367.3	369.2	376.0	381.7	391.0	407.8	427.1	458.3	508.1	589.0	722.9
57.5°	318.1	317.2	323.8	325.1	335.7	349.4	364.3	388.5	424.6	484.8	575.0
60°	285.2	283.3	288.9	293.3	298.9	310.1	322.5	346.2	374.9	419.1	496.2
62.5°	255.2	254.4	258.5	262.8	267.5	277.7	288.1	306.3	329.0	366.2	427.5
65°	211.7	213.6	215.4	217.3	219.8	226.0	236.0	248.4	264.0	290.2	334.4
67.5°	166.4	168.3	168.9	172.7	178.1	182.0	188.1	199.2	209.9	232.0	257.1
70°	134.5	133.9	134.5	136.3	143.2	150.0	158.1	166.3	173.1	188.6	209.8
72.5°	115.6	114.5	116.1	116.5	119.8	121.7	126.7	134.4	143.2	153.8	169.0
75°	89.7	89.7	89.7	89.7	92.1	93.4	95.3	97.1	100.2	105.2	116.5
77.5°	66.2	66.4	67.3	67.9	68.4	69.1	70.3	72.1	73.2	75.8	80.7
80°	52.3	52.9	52.3	52.9	52.9	54.2	54.8	56.6	57.3	60.4	62.3
82.5°	39.4	39.0	39.4	40.0	40.0	41.2	41.4	42.7	42.9	44.4	46.3
85°	21.2	20.0	21.2	20.5	21.8	20.5	21.2	22.4	22.4	23.1	25.5
87.5°	8.7	9.7	8.6	9.0	9.0	9.4	9.3	9.2	10.1	9.4	9.6
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0	15.4	14.9	13.1
92.5°	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6	16.7	15.8	14.5
95°	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2	20.2	19.2	17.7
97.5°	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2	21.1	20.0	29.9
100°	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7	21.5	20.4	41.9
102.5°	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9	37.3	40.7	64.2
105°	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9	111.3	135.6	148.0
107.5°	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9	230.8	248.6	246.6
110°	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2	274.8	279.3	277.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7	310.6	310.5	309.0
115°	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2	356.9	355.5	354.3
117.5°	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3	400.2	399.1	398.5
120°	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5	428.4	427.3	426.9
122.5°	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1	456.4	455.6	455.0
125°	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0	495.7	495.4	494.9
127.5°	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0	534.6	534.1	533.5
130°	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5	557.9	557.4	556.8
132.5°	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7	580.3	579.7	579.2
135°	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6	614.2	613.8	613.2
137.5°	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7	644.0	643.3	643.0
140°	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8	663.2	662.7	662.3
142.5°	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9	681.4	681.0	680.6
145°	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2	706.9	706.6	706.4
147.5°	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8	729.6	729.3	729.0
150°	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7	743.5	743.2	742.9
152.5°	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1	755.6	755.1	754.9
155°	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1	772.4	771.7	771.5
157.5°	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8	787.0	786.2	786.3
160°	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2	795.4	794.6	794.7
162.5°	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9	803.0	802.0	802.2
165°	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1	813.0	811.9	812.1
167.5°	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0	820.9	819.8	819.8
170°	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5	825.5	824.3	824.3
172.5°	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5	828.4	827.3	827.2
175°	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1	832.1	831.2	831.0
177.5°	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4	833.5	832.6	832.5
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1501.8	1500.3	1493.3	1485.3	1474.9	1467.9	1462.4	1459.4	1450.5	1439.6	1432.0
5°	1594.6	1575.9	1555.9	1531.7	1509.3	1486.2	1471.9	1455.1	1434.6	1411.5	1395.3
7.5°	1693.9	1657.3	1617.9	1577.2	1536.9	1500.8	1468.9	1441.6	1408.9	1375.9	1352.7
10°	1770.1	1716.6	1661.2	1604.5	1552.8	1504.3	1466.9	1430.2	1391.0	1353.0	1324.4
12.5°	1839.4	1768.9	1705.0	1635.4	1569.3	1511.2	1457.5	1414.2	1367.1	1326.6	1294.0
15°	1927.1	1854.8	1777.6	1671.7	1584.0	1510.5	1445.1	1388.5	1331.2	1281.4	1249.6
17.5°	2009.0	1900.3	1796.5	1708.3	1594.2	1502.4	1422.6	1354.9	1292.0	1239.1	1200.1
20°	2042.9	1937.6	1825.0	1712.2	1600.1	1497.5	1404.6	1329.9	1264.6	1204.8	1168.7
22.5°	2063.2	1944.1	1825.4	1704.3	1585.2	1478.5	1386.7	1304.6	1233.7	1176.9	1132.3
25°	2087.1	1945.1	1814.3	1694.8	1573.4	1457.6	1348.6	1261.5	1184.9	1124.5	1077.1
27.5°	2102.8	1935.8	1781.2	1648.4	1525.2	1409.8	1310.0	1217.6	1140.0	1076.0	1025.2
30°	2105.7	1928.3	1755.8	1612.0	1486.8	1381.0	1275.2	1186.8	1104.5	1036.6	989.4
32.5°	2109.7	1909.9	1721.4	1568.7	1440.5	1335.7	1239.8	1155.3	1071.2	1004.3	956.0
35°	2093.3	1899.7	1669.3	1493.7	1365.4	1263.9	1177.4	1099.5	1016.8	952.0	902.9
37.5°	2022.5	1859.2	1615.3	1409.3	1275.2	1181.1	1110.6	1042.7	966.9	897.0	850.6
40°	1951.3	1819.3	1573.4	1358.0	1217.9	1121.3	1057.9	1002.4	929.0	863.6	813.8
42.5°	1845.2	1765.1	1533.5	1304.2	1153.1	1060.1	1006.5	954.6	890.1	823.7	776.9
45°	1650.6	1661.2	1452.0	1218.5	1063.4	970.0	919.6	883.5	826.2	771.4	723.5
47.5°	1406.5	1505.5	1356.2	1127.2	968.9	881.3	837.2	805.6	767.1	713.3	669.6
50°	1247.1	1388.5	1279.5	1066.0	909.7	822.5	778.9	753.4	719.8	677.4	635.7
52.5°	1100.2	1252.0	1186.8	997.7	845.4	765.7	723.1	702.1	675.4	635.6	597.9
55°	897.2	1051.0	1036.1	894.7	749.0	677.4	645.1	621.4	603.3	573.5	543.6
57.5°	725.7	871.6	879.2	780.1	664.1	593.3	565.5	547.6	535.8	513.3	485.7
60°	617.7	751.5	777.7	703.0	603.3	541.1	513.7	499.3	490.0	472.0	450.8
62.5°	528.0	641.9	671.5	617.7	545.0	486.8	465.3	451.5	445.2	429.6	410.9
65°	404.1	498.8	527.4	497.5	459.5	412.8	395.4	383.6	378.0	369.2	355.5
67.5°	303.9	372.8	404.3	383.2	369.5	339.9	328.8	322.5	317.5	311.6	300.1
70°	244.1	295.1	327.5	321.9	310.7	295.1	287.0	282.7	277.7	272.7	262.8
72.5°	196.2	231.4	261.7	264.6	255.4	252.3	245.2	243.4	240.3	234.3	228.9
75°	130.2	154.4	175.5	183.7	187.4	190.5	187.4	186.8	186.2	181.2	178.1
77.5°	85.3	98.4	111.7	125.6	131.3	135.6	136.6	138.9	137.2	134.6	133.1
80°	65.4	68.5	77.8	89.7	99.0	102.7	105.2	106.5	105.8	105.2	102.7
82.5°	47.5	50.1	54.4	62.7	70.6	76.8	78.3	78.1	79.5	79.9	77.8
85°	25.5	26.1	27.4	28.7	33.0	39.8	41.7	42.9	44.2	44.2	40.5
87.5°	10.2	9.3	10.0	9.7	10.9	11.2	13.9	16.1	16.9	15.1	15.4
90°	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6	2.0	3.4	4.8
92.5°	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5	11.2	10.8	10.4
95°	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8	32.2	26.5	20.8
97.5°	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9	73.4	70.9	68.4
100°	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6	107.4	110.2	112.9
102.5°	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4	139.3	141.3	143.3
105°	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6	186.1	187.6	189.1
107.5°	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3	235.6	236.8	238.0
110°	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5	268.6	269.7	270.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3	300.2	301.3	302.2
115°	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2	347.1	347.8	348.7
117.5°	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7	392.7	393.7	394.7
120°	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9	421.1	422.4	423.6
122.5°	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6	449.6	450.7	451.7
125°	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1	489.1	490.2	491.3
127.5°	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2	527.3	528.4	529.5
130°	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9	551.0	552.2	553.3
132.5°	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7	573.9	575.0	576.1
135°	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5	608.4	609.2	610.1
137.5°	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3	638.3	639.4	640.4
140°	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1	657.9	658.8	659.6
142.5°	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4	676.3	677.1	677.9
145°	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1	702.0	703.0	703.9
147.5°	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2	725.9	726.5	727.1
150°	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1	740.5	740.9	741.3
152.5°	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4	753.7	753.8	754.1
155°	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3	772.1	771.7	771.5
157.5°	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9	786.9	786.9	786.8
160°	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8	795.7	795.6	795.4
162.5°	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2	803.9	803.5	803.2
165°	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4	814.0	813.6	813.2
167.5°	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4	821.8	821.3	820.7
170°	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8	826.2	825.7	825.1
172.5°	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7	829.1	828.5	827.8
175°	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6	832.9	832.3	831.6
177.5°	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6	834.1	833.5	833.0
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332372-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1429.6	1423.1	1418.6	1408.7	1402.2	1395.2	1388.2	1392.7	1392.2	1391.7	1391.7
5°	1381.6	1367.3	1354.2	1337.4	1326.8	1313.8	1303.8	1302.5	1305.0	1296.3	1291.3
7.5°	1334.0	1314.5	1295.9	1277.4	1257.7	1242.1	1232.2	1227.6	1221.2	1215.8	1210.3
10°	1300.7	1277.6	1259.6	1236.5	1215.4	1196.7	1184.9	1176.8	1172.4	1168.1	1160.0
12.5°	1266.3	1243.8	1220.8	1194.7	1174.6	1152.9	1144.0	1135.0	1126.6	1121.7	1110.6
15°	1216.0	1186.8	1162.4	1135.0	1112.6	1091.5	1079.0	1061.0	1058.4	1052.3	1041.0
17.5°	1165.5	1133.8	1100.3	1080.0	1054.7	1032.7	1013.8	1007.7	989.8	983.1	973.4
20°	1125.7	1096.5	1071.0	1044.2	1007.4	986.9	971.9	963.8	949.5	940.8	934.5
22.5°	1091.3	1061.6	1032.1	1000.8	970.6	947.5	936.6	924.0	916.2	904.0	897.2
25°	1042.3	1009.9	974.4	940.8	919.0	901.6	884.2	872.9	861.7	856.1	843.7
27.5°	985.2	951.4	918.2	892.7	865.9	848.7	833.0	823.0	809.5	800.1	793.2
30°	953.9	914.0	885.3	862.4	828.1	811.9	800.1	787.7	777.7	767.7	760.9
32.5°	917.5	881.1	854.0	825.5	799.2	781.5	766.2	755.3	746.8	737.3	730.5
35°	860.5	830.0	801.9	773.3	754.0	735.9	717.9	708.5	700.4	691.7	685.6
37.5°	808.9	780.4	753.8	726.6	702.7	688.0	673.4	666.3	655.4	649.5	643.2
40°	777.1	749.0	720.4	694.3	669.3	658.1	645.1	634.5	624.5	620.1	613.3
42.5°	742.2	714.2	690.0	661.9	641.4	626.2	614.2	602.6	595.1	588.7	584.9
45°	690.5	665.6	641.9	613.9	594.6	581.5	567.8	557.2	550.4	546.1	539.2
47.5°	640.3	615.4	591.4	567.0	548.3	533.4	519.7	512.3	503.2	497.9	493.2
50°	604.0	581.5	556.0	533.6	514.9	499.9	488.8	479.4	471.3	464.5	461.4
52.5°	570.6	546.7	524.7	503.7	484.0	467.1	456.9	447.0	440.9	433.1	429.5
55°	515.6	492.5	473.8	453.3	434.0	419.6	407.2	398.5	392.3	383.6	378.6
57.5°	463.8	443.2	420.9	403.1	383.2	371.1	360.8	349.0	341.4	334.5	329.6
60°	429.0	405.4	386.0	369.2	351.8	336.2	326.9	317.5	309.4	302.6	298.3
62.5°	392.6	371.9	353.6	335.3	319.4	305.9	295.0	287.2	280.0	275.7	271.3
65°	336.8	320.7	302.0	287.0	272.1	262.1	253.4	246.5	241.6	238.4	234.7
67.5°	285.5	269.8	253.5	238.8	228.9	221.3	215.6	209.7	207.2	203.2	200.7
70°	252.2	236.0	221.7	210.5	200.5	194.9	191.2	186.8	184.3	179.4	176.8
72.5°	215.8	204.1	193.8	184.6	176.6	171.5	166.8	161.4	157.4	151.9	149.4
75°	170.0	159.4	151.3	145.0	140.1	133.2	126.4	120.8	118.9	117.1	116.5
77.5°	125.9	119.1	113.3	108.1	101.9	96.9	95.4	94.1	93.8	92.8	92.8
80°	99.0	92.8	88.4	82.1	78.4	78.4	78.4	77.2	77.8	77.8	77.8
82.5°	73.6	67.9	65.5	63.3	62.5	63.0	63.0	63.3	62.9	63.8	63.4
85°	37.9	38.6	39.8	39.2	39.8	39.8	41.1	40.5	41.1	39.8	41.1
87.5°	15.2	17.0	17.8	18.7	19.6	19.4	20.0	20.1	20.8	20.8	20.9
90°	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0	16.5	17.0	17.5
92.5°	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6	18.5	19.4	19.9
95°	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2	22.1	23.1	23.5
97.5°	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2	23.2	24.3	25.0
100°	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7	23.8	24.9	25.4
102.5°	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9	30.5	27.1	25.5
105°	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9	62.6	38.2	26.1
107.5°	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9	195.0	177.1	159.0
110°	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2	265.7	261.2	249.1



TEST NUMBER: P332372-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7	310.8	310.9	308.8
115°	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2	359.7	361.0	361.9
117.5°	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3	402.4	403.5	404.1
120°	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5	430.6	431.7	432.3
122.5°	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1	457.9	458.7	459.1
125°	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0	496.3	496.5	496.9
127.5°	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0	535.4	535.8	535.9
130°	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5	559.0	559.6	559.8
132.5°	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7	581.3	581.9	581.9
135°	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6	615.0	615.4	615.4
137.5°	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7	645.3	646.0	646.2
140°	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8	664.3	664.9	665.0
142.5°	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9	682.3	682.8	682.8
145°	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2	707.5	707.7	707.9
147.5°	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8	730.2	730.4	730.2
150°	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7	744.0	744.3	744.3
152.5°	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1	756.5	757.1	757.0
155°	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1	773.7	774.4	774.4
157.5°	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8	788.6	789.5	789.3
160°	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2	797.1	797.9	797.8
162.5°	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9	804.9	805.7	805.8
165°	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1	815.2	816.3	816.4
167.5°	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0	823.2	824.3	824.3
170°	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5	827.6	828.7	828.7
172.5°	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5	830.6	831.7	831.6
175°	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1	834.0	835.0	834.9
177.5°	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4	835.3	836.1	836.1
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332372-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1385.8	1385.2	1385.8	1383.7	1385.8	1385.2	1385.8	1391.7	1391.7	1392.2	1392.7
5°	1289.4	1288.9	1287.0	1281.4	1287.0	1288.9	1289.4	1291.3	1296.3	1305.0	1302.5
7.5°	1205.4	1204.5	1199.0	1199.2	1199.0	1204.5	1205.4	1210.3	1215.8	1221.2	1227.6
10°	1155.6	1156.2	1148.7	1144.4	1148.7	1156.2	1155.6	1160.0	1168.1	1172.4	1176.8
12.5°	1107.3	1104.5	1098.4	1093.6	1098.4	1104.5	1107.3	1110.6	1121.7	1126.6	1135.0
15°	1043.5	1037.3	1022.4	1023.6	1022.4	1037.3	1043.5	1041.0	1052.3	1058.4	1061.0
17.5°	968.4	963.8	963.6	954.9	963.6	963.8	968.4	973.4	983.1	989.8	1007.7
20°	924.6	921.5	922.7	914.0	922.7	921.5	924.6	934.5	940.8	949.5	963.8
22.5°	890.3	887.1	881.9	879.2	881.9	887.1	890.3	897.2	904.0	916.2	924.0
25°	840.0	835.0	830.0	833.1	830.0	835.0	840.0	843.7	856.1	861.7	872.9
27.5°	789.6	785.9	780.9	780.3	780.9	785.9	789.6	793.2	800.1	809.5	823.0
30°	757.7	754.0	751.5	748.4	751.5	754.0	757.7	760.9	767.7	777.7	787.7
32.5°	725.4	724.6	720.2	719.5	720.2	724.6	725.4	730.5	737.3	746.8	755.3
35°	683.0	679.3	678.0	678.7	678.0	679.3	683.0	685.6	691.7	700.4	708.5
37.5°	642.8	637.8	635.6	633.3	635.6	637.8	642.8	643.2	649.5	655.4	666.3
40°	613.9	609.0	607.7	606.4	607.7	609.0	613.9	613.3	620.1	624.5	634.5
42.5°	581.5	579.6	578.8	576.6	578.8	579.6	581.5	584.9	588.7	595.1	602.6
45°	537.3	536.7	533.0	534.2	533.0	536.7	537.3	539.2	546.1	550.4	557.2
47.5°	490.8	488.0	485.4	487.1	485.4	488.0	490.8	493.2	497.9	503.2	512.3
50°	458.9	457.6	452.0	453.3	452.0	457.6	458.9	461.4	464.5	471.3	479.4
52.5°	427.0	422.2	420.2	419.4	420.2	422.2	427.0	429.5	433.1	440.9	447.0
55°	374.2	368.6	366.1	364.9	366.1	368.6	374.2	378.6	383.6	392.3	398.5
57.5°	322.4	320.9	318.9	320.3	318.9	320.9	322.4	329.6	334.5	341.4	349.0
60°	292.0	292.0	292.0	291.4	292.0	292.0	292.0	298.3	302.6	309.4	317.5
62.5°	268.6	267.1	266.6	267.5	266.6	267.1	268.6	271.3	275.7	280.0	287.2
65°	232.9	232.3	229.7	229.1	229.7	232.3	232.9	234.7	238.4	241.6	246.5
67.5°	199.2	196.9	196.1	195.3	196.1	196.9	199.2	200.7	203.2	207.2	209.7
70°	173.7	172.5	168.7	169.4	168.7	172.5	173.7	176.8	179.4	184.3	186.8
72.5°	146.3	145.0	144.3	143.5	144.3	145.0	146.3	149.4	151.9	157.4	161.4
75°	115.8	115.2	114.5	117.1	114.5	115.2	115.8	116.5	117.1	118.9	120.8
77.5°	92.8	92.8	93.2	92.1	93.2	92.8	92.8	92.8	92.8	93.8	94.1
80°	77.8	77.8	77.2	77.2	77.2	77.8	77.8	77.8	77.8	77.8	77.2
82.5°	62.4	62.9	63.3	62.3	63.3	62.9	62.4	63.4	63.8	62.9	63.3
85°	41.1	40.5	41.7	41.1	41.7	40.5	41.1	41.1	39.8	41.1	40.5
87.5°	21.9	21.1	21.1	21.6	21.1	21.1	21.9	20.9	20.8	20.8	20.1
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0
92.5°	20.0	20.2	20.4	20.6	20.4	20.2	20.0	19.9	19.4	18.5	17.6
95°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.1	22.1	21.2
97.5°	25.1	25.3	25.3	25.5	25.3	25.3	25.1	25.0	24.3	23.2	22.2
100°	25.6	25.7	25.9	26.0	25.9	25.7	25.6	25.4	24.9	23.8	22.7
102.5°	25.7	26.0	26.2	26.5	26.2	26.0	25.7	25.5	27.1	30.5	33.9
105°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.1	38.2	62.6	86.9
107.5°	140.7	122.3	103.9	85.6	103.9	122.3	140.7	159.0	177.1	195.0	212.9
110°	229.3	209.7	190.0	170.3	190.0	209.7	229.3	249.1	261.2	265.7	270.2



TEST NUMBER: P332372-927

CATALOG NUMBER: S123RDIP-S1165D805U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	304.7	300.5	296.4	292.2	296.4	300.5	304.7	308.8	310.9	310.8	310.7
115°	362.5	363.1	363.6	364.2	363.6	363.1	362.5	361.9	361.0	359.7	358.2
117.5°	404.3	404.3	404.4	404.6	404.4	404.3	404.3	404.1	403.5	402.4	401.3
120°	432.3	432.3	432.3	432.3	432.3	432.3	432.3	432.3	431.7	430.6	429.5
122.5°	459.2	459.3	459.5	459.5	459.5	459.3	459.2	459.1	458.7	457.9	457.1
125°	497.1	497.4	497.6	498.0	497.6	497.4	497.1	496.9	496.5	496.3	496.0
127.5°	535.7	535.4	535.1	534.9	535.1	535.4	535.7	535.9	535.8	535.4	535.0
130°	559.4	559.2	558.9	558.6	558.9	559.2	559.4	559.8	559.6	559.0	558.5
132.5°	581.6	581.2	580.8	580.4	580.8	581.2	581.6	581.9	581.9	581.3	580.7
135°	615.0	614.6	614.2	613.8	614.2	614.6	615.0	615.4	615.4	615.0	614.6
137.5°	645.9	645.6	645.4	645.1	645.4	645.6	645.9	646.2	646.0	645.3	644.7
140°	664.7	664.5	664.2	663.9	664.2	664.5	664.7	665.0	664.9	664.3	663.8
142.5°	682.4	682.0	681.7	681.3	681.7	682.0	682.4	682.8	682.8	682.3	681.9
145°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.7	707.5	707.2
147.5°	729.6	729.0	728.3	727.7	728.3	729.0	729.6	730.2	730.4	730.2	729.8
150°	743.8	743.4	743.0	742.6	743.0	743.4	743.8	744.3	744.3	744.0	743.7
152.5°	756.4	755.7	755.1	754.5	755.1	755.7	756.4	757.0	757.1	756.5	756.1
155°	773.6	772.7	771.9	771.0	771.9	772.7	773.6	774.4	774.4	773.7	773.1
157.5°	788.3	787.2	786.2	785.1	786.2	787.2	788.3	789.3	789.5	788.6	787.8
160°	796.9	795.9	795.0	794.0	795.0	795.9	796.9	797.8	797.9	797.1	796.2
162.5°	804.9	804.1	803.3	802.4	803.3	804.1	804.9	805.8	805.7	804.9	803.9
165°	815.5	814.4	813.5	812.5	813.5	814.4	815.5	816.4	816.3	815.2	814.1
167.5°	823.2	822.0	820.9	819.8	820.9	822.0	823.2	824.3	824.3	823.2	822.0
170°	827.6	826.5	825.5	824.3	825.5	826.5	827.6	828.7	828.7	827.6	826.5
172.5°	830.4	829.3	828.0	826.8	828.0	829.3	830.4	831.6	831.7	830.6	829.5
175°	833.9	832.7	831.6	830.5	831.6	832.7	833.9	834.9	835.0	834.0	833.1
177.5°	835.0	833.9	832.7	831.6	832.7	833.9	835.0	836.1	836.1	835.3	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1388.2	1395.2	1402.2	1408.7	1418.6	1423.1	1429.6	1432.0	1439.6	1450.5	1459.4
5°	1303.8	1313.8	1326.8	1337.4	1354.2	1367.3	1381.6	1395.3	1411.5	1434.6	1455.1
7.5°	1232.2	1242.1	1257.7	1277.4	1295.9	1314.5	1334.0	1352.7	1375.9	1408.9	1441.6
10°	1184.9	1196.7	1215.4	1236.5	1259.6	1277.6	1300.7	1324.4	1353.0	1391.0	1430.2
12.5°	1144.0	1152.9	1174.6	1194.7	1220.8	1243.8	1266.3	1294.0	1326.6	1367.1	1414.2
15°	1079.0	1091.5	1112.6	1135.0	1162.4	1186.8	1216.0	1249.6	1281.4	1331.2	1388.5
17.5°	1013.8	1032.7	1054.7	1080.0	1100.3	1133.8	1165.5	1200.1	1239.1	1292.0	1354.9
20°	971.9	986.9	1007.4	1044.2	1071.0	1096.5	1125.7	1168.7	1204.8	1264.6	1329.9
22.5°	936.6	947.5	970.6	1000.8	1032.1	1061.6	1091.3	1132.3	1176.9	1233.7	1304.6
25°	884.2	901.6	919.0	940.8	974.4	1009.9	1042.3	1077.1	1124.5	1184.9	1261.5
27.5°	833.0	848.7	865.9	892.7	918.2	951.4	985.2	1025.2	1076.0	1140.0	1217.6
30°	800.1	811.9	828.1	862.4	885.3	914.0	953.9	989.4	1036.6	1104.5	1186.8
32.5°	766.2	781.5	799.2	825.5	854.0	881.1	917.5	956.0	1004.3	1071.2	1155.3
35°	717.9	735.9	754.0	773.3	801.9	830.0	860.5	902.9	952.0	1016.8	1099.5
37.5°	673.4	688.0	702.7	726.6	753.8	780.4	808.9	850.6	897.0	966.9	1042.7
40°	645.1	658.1	669.3	694.3	720.4	749.0	777.1	813.8	863.6	929.0	1002.4
42.5°	614.2	626.2	641.4	661.9	690.0	714.2	742.2	776.9	823.7	890.1	954.6
45°	567.8	581.5	594.6	613.9	641.9	665.6	690.5	723.5	771.4	826.2	883.5
47.5°	519.7	533.4	548.3	567.0	591.4	615.4	640.3	669.6	713.3	767.1	805.6
50°	488.8	499.9	514.9	533.6	556.0	581.5	604.0	635.7	677.4	719.8	753.4
52.5°	456.9	467.1	484.0	503.7	524.7	546.7	570.6	597.9	635.6	675.4	702.1
55°	407.2	419.6	434.0	453.3	473.8	492.5	515.6	543.6	573.5	603.3	621.4
57.5°	360.8	371.1	383.2	403.1	420.9	443.2	463.8	485.7	513.3	535.8	547.6
60°	326.9	336.2	351.8	369.2	386.0	405.4	429.0	450.8	472.0	490.0	499.3
62.5°	295.0	305.9	319.4	335.3	353.6	371.9	392.6	410.9	429.6	445.2	451.5
65°	253.4	262.1	272.1	287.0	302.0	320.7	336.8	355.5	369.2	378.0	383.6
67.5°	215.6	221.3	228.9	238.8	253.5	269.8	285.5	300.1	311.6	317.5	322.5
70°	191.2	194.9	200.5	210.5	221.7	236.0	252.2	262.8	272.7	277.7	282.7
72.5°	166.8	171.5	176.6	184.6	193.8	204.1	215.8	228.9	234.3	240.3	243.4
75°	126.4	133.2	140.1	145.0	151.3	159.4	170.0	178.1	181.2	186.2	186.8
77.5°	95.4	96.9	101.9	108.1	113.3	119.1	125.9	133.1	134.6	137.2	138.9
80°	78.4	78.4	78.4	82.1	88.4	92.8	99.0	102.7	105.2	105.8	106.5
82.5°	63.0	63.0	62.5	63.3	65.5	67.9	73.6	77.8	79.9	79.5	78.1
85°	41.1	39.8	39.8	39.2	39.8	38.6	37.9	40.5	44.2	44.2	42.9
87.5°	20.0	19.4	19.6	18.7	17.8	17.0	15.2	15.4	15.1	16.9	16.1
90°	15.4	14.9	13.1	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6
92.5°	16.7	15.8	14.5	13.2	11.8	10.5	10.0	10.4	10.8	11.2	11.5
95°	20.2	19.2	17.7	16.2	14.7	13.2	15.2	20.8	26.5	32.2	37.8
97.5°	21.1	20.0	29.9	39.8	49.7	59.6	65.8	68.4	70.9	73.4	75.9
100°	21.5	20.4	41.9	63.4	84.8	106.3	115.7	112.9	110.2	107.4	104.6
102.5°	37.3	40.7	64.2	87.6	111.1	134.6	145.3	143.3	141.3	139.3	137.4
105°	111.3	135.6	148.0	160.4	172.8	185.2	190.6	189.1	187.6	186.1	184.6
107.5°	230.8	248.6	246.6	244.7	242.7	240.7	239.2	238.0	236.8	235.6	234.3
110°	274.8	279.3	277.8	276.3	274.8	273.2	272.0	270.8	269.7	268.6	267.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.6	310.5	309.0	307.5	306.0	304.4	303.2	302.2	301.3	300.2	299.3
115°	356.9	355.5	354.3	353.0	351.8	350.5	349.5	348.7	347.8	347.1	346.2
117.5°	400.2	399.1	398.5	397.8	397.2	396.6	395.7	394.7	393.7	392.7	391.7
120°	428.4	427.3	426.9	426.5	426.1	425.7	424.8	423.6	422.4	421.1	419.9
122.5°	456.4	455.6	455.0	454.6	454.0	453.4	452.7	451.7	450.7	449.6	448.6
125°	495.7	495.4	494.9	494.3	493.8	493.3	492.4	491.3	490.2	489.1	488.1
127.5°	534.6	534.1	533.5	532.8	532.1	531.5	530.6	529.5	528.4	527.3	526.2
130°	557.9	557.4	556.8	556.3	555.7	555.2	554.4	553.3	552.2	551.0	549.9
132.5°	580.3	579.7	579.2	578.8	578.4	577.9	577.2	576.1	575.0	573.9	572.7
135°	614.2	613.8	613.2	612.7	612.1	611.6	610.9	610.1	609.2	608.4	607.5
137.5°	644.0	643.3	643.0	642.8	642.5	642.1	641.4	640.4	639.4	638.3	637.3
140°	663.2	662.7	662.3	661.9	661.5	661.0	660.4	659.6	658.8	657.9	657.1
142.5°	681.4	681.0	680.6	680.2	679.8	679.4	678.7	677.9	677.1	676.3	675.4
145°	706.9	706.6	706.4	706.1	705.8	705.5	705.0	703.9	703.0	702.0	701.1
147.5°	729.6	729.3	729.0	728.7	728.5	728.3	727.8	727.1	726.5	725.9	725.2
150°	743.5	743.2	742.9	742.7	742.4	742.1	741.7	741.3	740.9	740.5	740.1
152.5°	755.6	755.1	754.9	754.7	754.6	754.4	754.2	754.1	753.8	753.7	753.4
155°	772.4	771.7	771.5	771.4	771.3	771.1	771.2	771.5	771.7	772.1	772.3
157.5°	787.0	786.2	786.3	786.5	786.6	786.7	786.8	786.8	786.9	786.9	786.9
160°	795.4	794.6	794.7	794.9	795.0	795.1	795.3	795.4	795.6	795.7	795.8
162.5°	803.0	802.0	802.2	802.3	802.4	802.6	802.8	803.2	803.5	803.9	804.2
165°	813.0	811.9	812.1	812.2	812.4	812.5	812.8	813.2	813.6	814.0	814.4
167.5°	820.9	819.8	819.8	819.8	819.8	819.8	820.1	820.7	821.3	821.8	822.4
170°	825.5	824.3	824.3	824.3	824.3	824.3	824.6	825.1	825.7	826.2	826.8
172.5°	828.4	827.3	827.2	827.0	827.0	826.9	827.1	827.8	828.5	829.1	829.7
175°	832.1	831.2	831.0	830.8	830.7	830.6	830.8	831.6	832.3	832.9	833.6
177.5°	833.5	832.6	832.5	832.4	832.3	832.2	832.4	833.0	833.5	834.1	834.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



TEST NUMBER: P332372-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1462.4	1467.9	1474.9	1485.3	1493.3	1500.3	1501.8	1503.8	1508.8	1517.2	1523.7
5°	1471.9	1486.2	1509.3	1531.7	1555.9	1575.9	1594.6	1607.7	1620.1	1646.2	1667.4
7.5°	1468.9	1500.8	1536.9	1577.2	1617.9	1657.3	1693.9	1726.6	1759.3	1797.4	1840.9
10°	1466.9	1504.3	1552.8	1604.5	1661.2	1716.6	1770.1	1811.9	1860.4	1904.0	1959.4
12.5°	1457.5	1511.2	1569.3	1635.4	1705.0	1768.9	1839.4	1897.0	1952.6	2015.5	2080.0
15°	1445.1	1510.5	1584.0	1671.7	1777.6	1854.8	1927.1	2027.3	2095.8	2164.2	2256.5
17.5°	1422.6	1502.4	1594.2	1708.3	1796.5	1900.3	2009.0	2088.2	2180.5	2277.0	2360.4
20°	1404.6	1497.5	1600.1	1712.2	1825.0	1937.6	2042.9	2137.5	2232.8	2344.2	2412.7
22.5°	1386.7	1478.5	1585.2	1704.3	1825.4	1944.1	2063.2	2174.4	2281.6	2394.1	2481.4
25°	1348.6	1457.6	1573.4	1694.8	1814.3	1945.1	2087.1	2211.0	2343.6	2459.4	2542.2
27.5°	1310.0	1409.8	1525.2	1648.4	1781.2	1935.8	2102.8	2243.6	2376.5	2459.4	2485.4
30°	1275.2	1381.0	1486.8	1612.0	1755.8	1928.3	2105.7	2267.0	2376.0	2412.0	2385.3
32.5°	1239.8	1335.7	1440.5	1568.7	1721.4	1909.9	2109.7	2253.0	2318.6	2291.1	2182.1
35°	1177.4	1263.9	1365.4	1493.7	1669.3	1899.7	2093.3	2190.4	2174.2	2018.6	1813.1
37.5°	1110.6	1181.1	1275.2	1409.3	1615.3	1859.2	2022.5	2036.9	1896.8	1657.8	1420.5
40°	1057.9	1121.3	1217.9	1358.0	1573.4	1819.3	1951.3	1893.4	1676.1	1410.2	1212.3
42.5°	1006.5	1060.1	1153.1	1304.2	1533.5	1765.1	1845.2	1719.1	1468.4	1217.0	1037.0
45°	919.6	970.0	1063.4	1218.5	1452.0	1661.2	1650.6	1431.4	1180.5	978.2	828.7
47.5°	837.2	881.3	968.9	1127.2	1356.2	1505.5	1406.5	1173.3	960.4	798.1	691.5
50°	778.9	822.5	909.7	1066.0	1279.5	1388.5	1247.1	1022.4	827.5	693.0	608.3
52.5°	723.1	765.7	845.4	997.7	1186.8	1252.0	1100.2	891.8	729.4	613.3	540.6
55°	645.1	677.4	749.0	894.7	1036.1	1051.0	897.2	722.9	589.0	508.1	458.3
57.5°	565.5	593.3	664.1	780.1	879.2	871.6	725.7	575.0	484.8	424.6	388.5
60°	513.7	541.1	603.3	703.0	777.7	751.5	617.7	496.2	419.1	374.9	346.2
62.5°	465.3	486.8	545.0	617.7	671.5	641.9	528.0	427.5	366.2	329.0	306.3
65°	395.4	412.8	459.5	497.5	527.4	498.8	404.1	334.4	290.2	264.0	248.4
67.5°	328.8	339.9	369.5	383.2	404.3	372.8	303.9	257.1	232.0	209.9	199.2
70°	287.0	295.1	310.7	321.9	327.5	295.1	244.1	209.8	188.6	173.1	166.3
72.5°	245.2	252.3	255.4	264.6	261.7	231.4	196.2	169.0	153.8	143.2	134.4
75°	187.4	190.5	187.4	183.7	175.5	154.4	130.2	116.5	105.2	100.2	97.1
77.5°	136.6	135.6	131.3	125.6	111.7	98.4	85.3	80.7	75.8	73.2	72.1
80°	105.2	102.7	99.0	89.7	77.8	68.5	65.4	62.3	60.4	57.3	56.6
82.5°	78.3	76.8	70.6	62.7	54.4	50.1	47.5	46.3	44.4	42.9	42.7
85°	41.7	39.8	33.0	28.7	27.4	26.1	25.5	25.5	23.1	22.4	22.4
87.5°	13.9	11.2	10.9	9.7	10.0	9.3	10.2	9.6	9.4	10.1	9.2
90°	2.0	3.4	4.8	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0
92.5°	11.2	10.8	10.4	10.0	10.5	11.8	13.2	14.5	15.8	16.7	17.6
95°	32.2	26.5	20.8	15.2	13.2	14.7	16.2	17.7	19.2	20.2	21.2
97.5°	73.4	70.9	68.4	65.8	59.6	49.7	39.8	29.9	20.0	21.1	22.2
100°	107.4	110.2	112.9	115.7	106.3	84.8	63.4	41.9	20.4	21.5	22.7
102.5°	139.3	141.3	143.3	145.3	134.6	111.1	87.6	64.2	40.7	37.3	33.9
105°	186.1	187.6	189.1	190.6	185.2	172.8	160.4	148.0	135.6	111.3	86.9
107.5°	235.6	236.8	238.0	239.2	240.7	242.7	244.7	246.6	248.6	230.8	212.9
110°	268.6	269.7	270.8	272.0	273.2	274.8	276.3	277.8	279.3	274.8	270.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.2	301.3	302.2	303.2	304.4	306.0	307.5	309.0	310.5	310.6	310.7
115°	347.1	347.8	348.7	349.5	350.5	351.8	353.0	354.3	355.5	356.9	358.2
117.5°	392.7	393.7	394.7	395.7	396.6	397.2	397.8	398.5	399.1	400.2	401.3
120°	421.1	422.4	423.6	424.8	425.7	426.1	426.5	426.9	427.3	428.4	429.5
122.5°	449.6	450.7	451.7	452.7	453.4	454.0	454.6	455.0	455.6	456.4	457.1
125°	489.1	490.2	491.3	492.4	493.3	493.8	494.3	494.9	495.4	495.7	496.0
127.5°	527.3	528.4	529.5	530.6	531.5	532.1	532.8	533.5	534.1	534.6	535.0
130°	551.0	552.2	553.3	554.4	555.2	555.7	556.3	556.8	557.4	557.9	558.5
132.5°	573.9	575.0	576.1	577.2	577.9	578.4	578.8	579.2	579.7	580.3	580.7
135°	608.4	609.2	610.1	610.9	611.6	612.1	612.7	613.2	613.8	614.2	614.6
137.5°	638.3	639.4	640.4	641.4	642.1	642.5	642.8	643.0	643.3	644.0	644.7
140°	657.9	658.8	659.6	660.4	661.0	661.5	661.9	662.3	662.7	663.2	663.8
142.5°	676.3	677.1	677.9	678.7	679.4	679.8	680.2	680.6	681.0	681.4	681.9
145°	702.0	703.0	703.9	705.0	705.5	705.8	706.1	706.4	706.6	706.9	707.2
147.5°	725.9	726.5	727.1	727.8	728.3	728.5	728.7	729.0	729.3	729.6	729.8
150°	740.5	740.9	741.3	741.7	742.1	742.4	742.7	742.9	743.2	743.5	743.7
152.5°	753.7	753.8	754.1	754.2	754.4	754.6	754.7	754.9	755.1	755.6	756.1
155°	772.1	771.7	771.5	771.2	771.1	771.3	771.4	771.5	771.7	772.4	773.1
157.5°	786.9	786.9	786.8	786.8	786.7	786.6	786.5	786.3	786.2	787.0	787.8
160°	795.7	795.6	795.4	795.3	795.1	795.0	794.9	794.7	794.6	795.4	796.2
162.5°	803.9	803.5	803.2	802.8	802.6	802.4	802.3	802.2	802.0	803.0	803.9
165°	814.0	813.6	813.2	812.8	812.5	812.4	812.2	812.1	811.9	813.0	814.1
167.5°	821.8	821.3	820.7	820.1	819.8	819.8	819.8	819.8	819.8	820.9	822.0
170°	826.2	825.7	825.1	824.6	824.3	824.3	824.3	824.3	824.3	825.5	826.5
172.5°	829.1	828.5	827.8	827.1	826.9	827.0	827.0	827.2	827.3	828.4	829.5
175°	832.9	832.3	831.6	830.8	830.6	830.7	830.8	831.0	831.2	832.1	833.1
177.5°	834.1	833.5	833.0	832.4	832.2	832.3	832.4	832.5	832.6	833.5	834.4
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6	833.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1534.1	1534.1	1536.1	1543.6	1544.6	1551.1	1549.1
5°	1686.1	1697.9	1702.2	1720.9	1732.2	1737.2	1727.2
7.5°	1871.8	1905.3	1921.0	1940.6	1958.0	1963.2	1949.6
10°	2007.4	2042.2	2071.5	2089.5	2106.3	2117.6	2131.9
12.5°	2138.3	2181.2	2209.0	2234.5	2251.8	2266.0	2268.3
15°	2280.7	2345.4	2394.6	2430.7	2448.8	2458.1	2454.4
17.5°	2424.2	2484.3	2519.3	2556.1	2581.2	2582.4	2583.1
20°	2505.4	2564.0	2604.5	2631.9	2659.9	2658.6	2664.8
22.5°	2559.8	2605.8	2636.9	2656.7	2666.3	2661.7	2662.8
25°	2585.1	2598.8	2593.3	2561.5	2553.4	2524.1	2529.1
27.5°	2454.2	2389.4	2322.4	2236.3	2168.3	2113.9	2116.7
30°	2276.3	2161.8	2031.0	1921.4	1823.0	1795.6	1737.2
32.5°	2027.7	1855.9	1702.8	1600.7	1516.2	1493.3	1442.2
35°	1606.4	1439.6	1282.0	1187.3	1150.0	1097.7	1097.1
37.5°	1248.6	1101.7	1018.4	947.4	910.1	878.5	875.4
40°	1050.4	935.8	872.9	821.9	785.1	761.4	755.9
42.5°	911.9	819.3	760.3	728.7	700.4	688.2	679.1
45°	744.7	682.4	641.3	612.7	599.6	590.3	585.3
47.5°	622.9	581.1	553.2	534.1	523.5	513.7	516.3
50°	556.7	522.4	501.8	483.8	475.7	468.8	469.4
52.5°	503.4	472.6	456.0	442.9	432.8	428.0	425.6
55°	427.1	407.8	391.0	381.7	376.0	369.2	367.3
57.5°	364.3	349.4	335.7	325.1	323.8	317.2	318.1
60°	322.5	310.1	298.9	293.3	288.9	283.3	285.2
62.5°	288.1	277.7	267.5	262.8	258.5	254.4	255.2
65°	236.0	226.0	219.8	217.3	215.4	213.6	211.7
67.5°	188.1	182.0	178.1	172.7	168.9	168.3	166.4
70°	158.1	150.0	143.2	136.3	134.5	133.9	134.5
72.5°	126.7	121.7	119.8	116.5	116.1	114.5	115.6
75°	95.3	93.4	92.1	89.7	89.7	89.7	89.7
77.5°	70.3	69.1	68.4	67.9	67.3	66.4	66.2
80°	54.8	54.2	52.9	52.9	52.3	52.9	52.3
82.5°	41.4	41.2	40.0	40.0	39.4	39.0	39.4
85°	21.2	20.5	21.8	20.5	21.2	20.0	21.2
87.5°	9.3	9.4	9.0	9.0	8.6	9.7	8.7
90°	16.5	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	18.5	19.4	19.9	20.0	20.2	20.4	20.6
95°	22.1	23.1	23.5	23.5	23.5	23.5	23.5
97.5°	23.2	24.3	25.0	25.1	25.3	25.3	25.5
100°	23.8	24.9	25.4	25.6	25.7	25.9	26.0
102.5°	30.5	27.1	25.5	25.7	26.0	26.2	26.5
105°	62.6	38.2	26.1	26.5	26.7	27.0	27.3
107.5°	195.0	177.1	159.0	140.7	122.3	103.9	85.6
110°	265.7	261.2	249.1	229.3	209.7	190.0	170.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	310.8	310.9	308.8	304.7	300.5	296.4	292.2
115°	359.7	361.0	361.9	362.5	363.1	363.6	364.2
117.5°	402.4	403.5	404.1	404.3	404.3	404.4	404.6
120°	430.6	431.7	432.3	432.3	432.3	432.3	432.3
122.5°	457.9	458.7	459.1	459.2	459.3	459.5	459.5
125°	496.3	496.5	496.9	497.1	497.4	497.6	498.0
127.5°	535.4	535.8	535.9	535.7	535.4	535.1	534.9
130°	559.0	559.6	559.8	559.4	559.2	558.9	558.6
132.5°	581.3	581.9	581.9	581.6	581.2	580.8	580.4
135°	615.0	615.4	615.4	615.0	614.6	614.2	613.8
137.5°	645.3	646.0	646.2	645.9	645.6	645.4	645.1
140°	664.3	664.9	665.0	664.7	664.5	664.2	663.9
142.5°	682.3	682.8	682.8	682.4	682.0	681.7	681.3
145°	707.5	707.7	707.9	707.9	707.9	707.9	707.9
147.5°	730.2	730.4	730.2	729.6	729.0	728.3	727.7
150°	744.0	744.3	744.3	743.8	743.4	743.0	742.6
152.5°	756.5	757.1	757.0	756.4	755.7	755.1	754.5
155°	773.7	774.4	774.4	773.6	772.7	771.9	771.0
157.5°	788.6	789.5	789.3	788.3	787.2	786.2	785.1
160°	797.1	797.9	797.8	796.9	795.9	795.0	794.0
162.5°	804.9	805.7	805.8	804.9	804.1	803.3	802.4
165°	815.2	816.3	816.4	815.5	814.4	813.5	812.5
167.5°	823.2	824.3	824.3	823.2	822.0	820.9	819.8
170°	827.6	828.7	828.7	827.6	826.5	825.5	824.3
172.5°	830.6	831.7	831.6	830.4	829.3	828.0	826.8
175°	834.0	835.0	834.9	833.9	832.7	831.6	830.5
177.5°	835.3	836.1	836.1	835.0	833.9	832.7	831.6
180°	833.6	833.6	833.6	833.6	833.6	833.6	833.6

(END OF REPORT)