

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: P331973-935

Luminaire Tested: **S123DIP-S775D805U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331973-935
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: S123DIP-S775D805U935-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5573.5 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

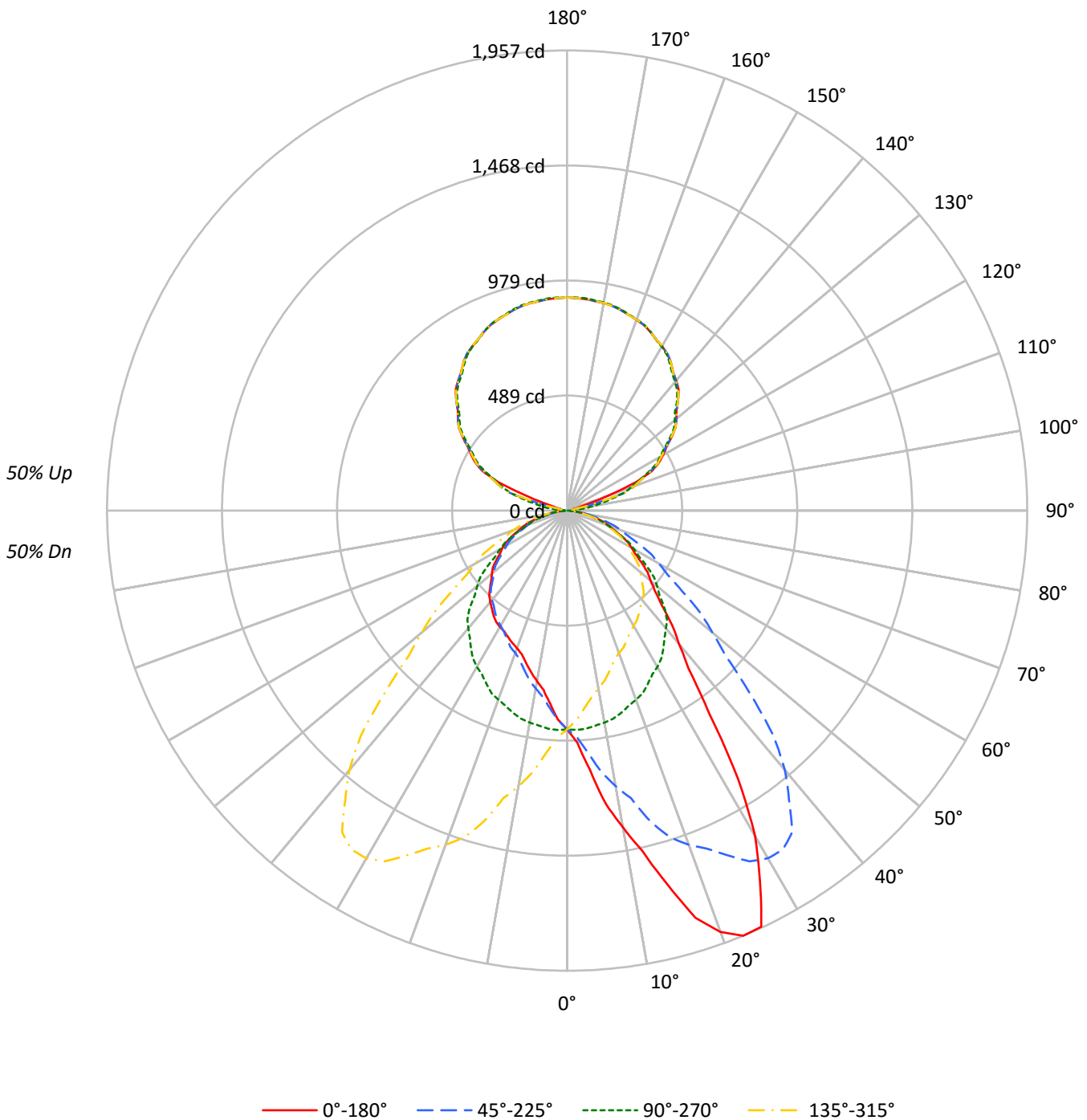
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50
1	98	94	90	87	90	87	84	81	74	71	69	62	60	58	50	49	48	43
2	90	82	76	71	82	76	71	67	65	61	58	54	52	49	45	43	41	36
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	30	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	23	21	18
8	54	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	16
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	11943	10057	8912	10057
10°	14948	10006	8050	10006
15°	18333	9926	7494	9926
20°	21841	9800	7135	9800
25°	23192	9647	7056	9647
30°	19877	9536	7093	9536
35°	13825	9376	7167	9376
40°	10413	9190	7144	9190
45°	8645	8914	7054	8914
50°	7743	8348	6990	8348
55°	7240	7739	6902	7739
60°	6794	7102	6833	7102
65°	6383	6477	6612	6477
70°	5986	5759	6297	5759
75°	5361	5041	5772	5041
80°	4699	4135	4971	4135
85°	3680	3013	3335	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.6
10°-20°	293.9	5.3
20°-30°	493.2	8.8
30°-40°	558.5	10.0
40°-50°	500.8	9.0
50°-60°	404.1	7.3
60°-70°	281.6	5.1
70°-80°	148.0	2.7
80°-90°	38.7	0.7
90°-100°	32.9	0.6
100°-110°	157.0	2.8
110°-120°	377.1	6.8
120°-130°	480.2	8.6
130°-140°	513.1	9.2
140°-150°	479.8	8.6
150°-160°	387.0	6.9
160°-170°	249.8	4.5
170°-180°	86.1	1.5
0°-30°	878.7	15.8
0°-40°	1437.2	25.8
0°-60°	2342.1	42.0
0°-90°	2810.5	50.4
90°-120°	567.0	10.2
90°-150°	2040.1	36.6
90°-180°	2763.0	49.6
0°-180°	5573.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	1105	931	825	931	1105	115
15°	1645	891	672	891	1645	475
25°	1953	812	594	812	1953	856
35°	1052	714	545	714	1052	684
45°	568	586	463	586	568	449
55°	386	412	368	412	386	346
65°	251	254	260	254	251	250
75°	129	121	139	121	129	138
85°	30	24	27	24	30	36
90°	20	1	20	1	20	11
95°	26	41	26	41	26	21
105°	30	201	30	201	30	68
115°	396	376	396	376	396	366
125°	541	530	541	530	541	483
135°	667	660	667	660	667	514
145°	769	762	769	762	769	480
155°	838	839	838	839	838	386
165°	883	885	883	885	883	249
175°	903	906	903	906	903	86
180°	906	906	906	906	906	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	987.3	986.6	984.8	986.3	983.3	979.4	979.0	975.4	964.9	964.2	961.4
5°	1105.3	1101.6	1101.2	1100.7	1094.4	1085.9	1069.6	1068.2	1046.6	1035.8	1022.8
7.5°	1257.9	1259.8	1253.3	1247.5	1228.2	1215.5	1198.1	1175.8	1149.3	1122.3	1104.3
10°	1367.6	1382.4	1364.0	1351.3	1339.6	1317.5	1291.8	1259.8	1227.9	1190.4	1162.0
12.5°	1485.1	1492.5	1488.8	1476.9	1458.6	1425.0	1379.5	1344.2	1314.7	1252.4	1227.3
15°	1645.2	1672.8	1655.2	1614.5	1615.5	1583.5	1524.0	1458.6	1423.9	1369.3	1295.0
17.5°	1815.8	1819.2	1811.7	1778.0	1755.4	1711.4	1656.5	1593.9	1523.5	1457.5	1378.6
20°	1906.7	1903.9	1888.2	1870.6	1831.9	1797.6	1737.7	1667.8	1577.6	1512.7	1426.6
22.5°	1957.1	1952.7	1945.2	1930.4	1898.2	1861.4	1807.6	1731.2	1645.5	1556.0	1456.6
25°	1952.7	1958.5	1959.4	1955.3	1944.1	1922.0	1879.6	1818.8	1733.1	1618.2	1514.5
27.5°	1776.0	1784.3	1808.4	1829.7	1853.6	1877.9	1874.7	1844.4	1781.1	1681.9	1555.1
30°	1599.2	1581.2	1625.8	1682.2	1720.5	1788.1	1826.0	1828.2	1792.6	1707.4	1583.9
32.5°	1354.0	1373.9	1393.6	1462.9	1546.7	1622.6	1698.0	1758.7	1765.6	1708.9	1600.9
35°	1052.1	1076.9	1112.9	1148.9	1239.2	1316.6	1449.1	1564.5	1656.5	1668.7	1602.4
37.5°	847.7	860.1	882.9	918.9	977.9	1069.9	1172.4	1318.3	1451.5	1550.6	1554.9
40°	741.1	744.7	770.3	797.8	845.6	921.4	1013.7	1142.6	1302.2	1440.6	1498.3
42.5°	661.0	668.9	679.8	706.2	744.2	801.2	887.2	993.7	1140.0	1299.2	1412.1
45°	567.9	577.0	583.8	601.3	628.4	666.7	726.6	824.0	935.3	1099.8	1251.7
47.5°	506.4	507.2	512.2	525.5	543.9	572.7	615.0	677.6	779.8	913.2	1069.2
50°	462.4	469.7	471.5	481.8	496.3	517.5	552.6	605.8	689.7	806.8	950.2
52.5°	431.4	433.6	438.7	446.2	458.7	475.3	505.8	547.4	613.2	713.1	844.9
55°	385.8	385.8	390.8	396.7	403.9	418.7	439.0	469.7	519.7	597.3	706.4
57.5°	343.6	345.9	349.4	351.2	357.3	367.2	384.1	407.4	444.7	504.4	591.1
60°	315.6	319.6	319.2	322.7	328.1	335.8	350.3	369.2	402.5	450.3	523.3
62.5°	291.0	290.8	290.7	295.0	300.4	307.7	317.0	333.5	361.8	404.2	466.3
65°	250.6	249.7	252.9	255.5	257.4	262.8	270.0	284.4	303.3	334.9	383.1
67.5°	214.7	212.2	213.9	214.7	217.8	222.1	228.8	237.7	252.8	278.1	314.4
70°	190.2	188.0	187.5	188.4	191.1	194.2	199.2	207.8	221.8	242.0	268.6
72.5°	165.0	163.4	163.3	165.3	166.6	168.7	172.2	180.0	191.1	206.4	231.2
75°	128.9	128.9	128.9	129.3	130.7	132.5	135.3	139.3	147.8	158.7	175.3
77.5°	96.6	96.5	96.0	95.9	97.9	98.8	99.4	103.1	107.9	115.2	127.3
80°	75.8	73.4	74.4	75.8	76.6	77.1	78.4	79.3	83.4	87.5	96.0
82.5°	56.2	54.3	54.5	56.7	56.8	57.3	58.6	59.8	61.4	65.1	69.7
85°	29.8	29.8	30.2	30.2	30.7	30.2	31.5	32.0	32.0	34.3	36.9
87.5°	14.9	14.0	14.4	14.6	14.3	14.6	14.8	15.0	15.2	15.5	15.5
90°	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4	16.8	16.2	14.2
92.5°	22.4	22.1	22.0	21.8	21.6	21.1	20.1	19.1	18.2	17.2	15.8
95°	25.6	25.6	25.6	25.6	25.6	25.1	24.0	23.0	22.0	20.8	19.2
97.5°	27.7	27.6	27.5	27.3	27.1	26.4	25.2	24.1	22.9	21.7	32.5
100°	28.2	28.2	28.0	27.8	27.6	27.0	25.8	24.6	23.4	22.2	45.5
102.5°	28.8	28.5	28.2	28.0	27.7	29.4	33.1	36.9	40.6	44.3	69.7
105°	29.6	29.4	29.0	28.8	28.4	41.5	68.0	94.5	121.0	147.4	160.8
107.5°	93.0	113.0	132.9	152.9	172.8	192.5	212.0	231.4	250.8	270.2	268.0
110°	185.1	206.5	227.9	249.3	270.7	283.9	288.8	293.7	298.7	303.6	302.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	317.6	322.1	326.6	331.1	335.6	337.9	337.8	337.7	337.6	337.5	335.9
115°	395.8	395.2	394.6	394.0	393.4	392.4	390.9	389.3	387.9	386.4	385.0
117.5°	439.7	439.5	439.5	439.4	439.2	438.5	437.4	436.2	435.0	433.8	433.1
120°	469.8	469.8	469.8	469.8	469.8	469.2	468.0	466.8	465.6	464.4	464.0
122.5°	499.5	499.4	499.2	499.1	498.9	498.5	497.7	496.8	496.0	495.2	494.6
125°	541.2	540.9	540.6	540.3	540.0	539.7	539.4	539.1	538.8	538.5	537.9
127.5°	581.3	581.6	581.9	582.2	582.5	582.4	581.9	581.4	581.0	580.5	579.8
130°	607.2	607.4	607.8	608.0	608.4	608.2	607.6	607.0	606.4	605.8	605.2
132.5°	630.9	631.3	631.7	632.1	632.5	632.4	631.8	631.2	630.7	630.1	629.6
135°	667.1	667.5	668.0	668.4	668.8	668.8	668.4	668.0	667.5	667.1	666.5
137.5°	701.1	701.5	701.7	702.1	702.3	702.1	701.4	700.7	700.0	699.2	698.9
140°	721.6	721.9	722.2	722.5	722.8	722.6	722.0	721.4	720.8	720.2	719.8
142.5°	740.5	740.9	741.2	741.7	742.1	742.1	741.6	741.1	740.6	740.2	739.7
145°	769.4	769.4	769.4	769.4	769.4	769.2	769.0	768.6	768.4	768.0	767.8
147.5°	790.9	791.6	792.3	793.0	793.7	793.8	793.6	793.2	793.0	792.6	792.4
150°	807.1	807.5	808.0	808.4	808.9	808.9	808.7	808.3	808.0	807.8	807.4
152.5°	820.0	820.7	821.4	822.1	822.8	822.9	822.3	821.7	821.2	820.7	820.5
155°	838.0	839.0	839.8	840.8	841.6	841.7	840.9	840.2	839.5	838.7	838.5
157.5°	853.3	854.5	855.6	856.8	857.9	858.1	857.1	856.3	855.4	854.5	854.6
160°	863.0	864.0	865.0	866.1	867.1	867.2	866.3	865.4	864.5	863.6	863.8
162.5°	872.1	873.1	873.9	874.9	875.8	875.7	874.8	873.7	872.7	871.7	871.8
165°	883.1	884.2	885.2	886.3	887.3	887.3	886.1	884.8	883.6	882.4	882.6
167.5°	891.0	892.3	893.5	894.7	895.9	895.9	894.7	893.5	892.3	891.0	891.0
170°	896.0	897.2	898.3	899.5	900.7	900.7	899.5	898.3	897.2	896.0	896.0
172.5°	898.6	899.9	901.3	902.6	903.9	904.0	902.8	901.6	900.3	899.1	899.1
175°	902.7	903.9	905.1	906.3	907.4	907.5	906.5	905.4	904.4	903.4	903.2
177.5°	903.9	905.1	906.3	907.5	908.7	908.8	907.8	906.9	905.9	904.9	904.8
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	959.2	956.3	953.4	948.4	944.1	937.9	936.1	933.9	927.5	921.7	917.4
5°	1017.8	1006.9	991.2	976.8	965.1	949.3	940.3	930.8	917.3	905.1	895.2
7.5°	1079.1	1057.8	1033.3	1006.8	982.1	958.3	939.1	922.0	903.0	885.1	871.2
10°	1127.7	1097.1	1062.9	1025.9	994.4	963.7	938.0	915.5	891.1	870.0	852.4
12.5°	1183.3	1137.9	1090.6	1045.8	1008.4	965.9	934.8	906.1	878.5	853.0	833.3
15°	1249.1	1191.4	1135.4	1073.7	1016.9	963.7	926.8	890.7	858.7	832.5	807.3
17.5°	1308.9	1243.5	1169.8	1094.8	1026.2	963.2	911.5	870.6	830.6	798.7	773.5
20°	1342.8	1268.4	1185.0	1107.1	1031.3	961.0	904.2	855.5	812.3	778.4	750.0
22.5°	1372.0	1285.0	1198.7	1115.3	1031.0	955.2	890.9	840.8	793.8	760.8	730.6
25°	1402.3	1298.1	1211.6	1113.8	1019.6	941.2	869.0	812.3	765.3	726.6	695.5
27.5°	1428.2	1297.3	1194.6	1089.3	1001.8	923.2	846.1	785.2	735.5	693.4	661.8
30°	1445.5	1299.1	1176.9	1072.8	984.5	903.3	828.5	767.2	714.9	672.1	642.3
32.5°	1456.4	1298.0	1160.7	1049.7	957.0	885.3	809.3	745.9	692.2	650.1	621.4
35°	1462.7	1290.0	1132.7	1002.0	912.7	842.9	779.4	713.5	657.2	617.9	585.6
37.5°	1450.1	1273.3	1100.3	956.1	858.3	789.5	736.1	680.0	626.1	582.9	555.0
40°	1430.2	1262.6	1075.0	923.6	820.8	754.6	709.0	654.0	600.8	559.8	533.6
42.5°	1392.3	1240.5	1047.2	887.5	781.9	715.6	673.7	627.8	577.4	538.9	512.8
45°	1299.9	1192.7	1005.6	833.4	724.4	655.8	618.9	585.6	540.0	502.6	480.0
47.5°	1171.7	1120.7	945.4	776.4	664.3	598.4	560.0	533.1	499.9	469.7	448.1
50°	1082.7	1061.5	904.7	737.4	624.3	559.8	522.9	498.5	474.7	444.4	424.6
52.5°	979.9	993.0	857.0	697.1	583.5	520.1	485.3	466.1	444.4	419.6	402.3
55°	835.3	882.5	774.8	629.2	522.9	462.4	429.6	412.4	399.8	381.3	366.4
57.5°	699.7	760.0	686.0	559.4	463.3	411.2	379.6	360.9	352.8	343.2	331.5
60°	619.3	678.8	622.5	512.5	423.3	373.7	345.7	329.9	321.8	315.0	305.1
62.5°	547.6	607.8	560.4	464.9	383.9	337.9	313.7	298.3	291.9	288.3	279.9
65°	448.9	500.8	469.2	390.8	327.7	287.1	265.0	254.3	248.4	247.0	241.6
67.5°	365.4	404.8	381.9	324.2	274.5	239.4	220.7	211.5	207.0	206.6	202.5
70°	310.6	347.5	329.9	277.7	234.9	207.3	191.1	183.0	180.3	179.9	177.6
72.5°	268.0	293.8	279.8	236.2	203.1	178.1	166.3	157.7	154.7	155.3	153.8
75°	198.3	217.7	209.6	179.4	152.8	136.6	126.7	121.2	118.6	119.9	118.1
77.5°	142.7	155.0	147.7	126.7	110.4	98.6	91.4	88.0	85.6	85.5	84.6
80°	107.7	114.9	110.9	98.2	84.7	74.8	69.0	66.7	65.3	64.9	64.5
82.5°	76.7	82.8	78.1	69.4	60.2	54.2	51.0	48.0	47.0	47.3	46.8
85°	38.7	41.0	39.2	33.8	30.2	27.5	25.7	24.4	23.4	23.8	23.0
87.5°	15.8	15.8	14.3	12.5	11.5	10.1	9.8	8.8	8.4	8.7	8.6
90°	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7	2.2	3.7	5.2
92.5°	14.3	12.8	11.4	10.8	11.3	11.7	12.1	12.5	12.1	11.7	11.3
95°	17.6	15.9	14.3	16.5	22.6	28.8	35.0	41.1	35.0	28.8	22.6
97.5°	43.2	54.0	64.7	71.5	74.3	77.1	79.8	82.5	79.8	77.1	74.3
100°	68.9	92.2	115.5	125.7	122.7	119.8	116.8	113.7	116.8	119.8	122.7
102.5°	95.2	120.8	146.3	157.9	155.8	153.6	151.4	149.3	151.4	153.6	155.8
105°	174.4	187.8	201.3	207.2	205.5	203.9	202.2	200.6	202.2	203.9	205.5
107.5°	266.0	263.8	261.7	259.9	258.6	257.4	256.1	254.7	256.1	257.4	258.6
110°	300.3	298.7	297.0	295.6	294.4	293.2	292.0	290.8	292.0	293.2	294.4



TEST NUMBER: P331973-935

CATALOG NUMBER: S123DIP-S775D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.2	332.6	330.9	329.6	328.5	327.4	326.3	325.3	326.3	327.4	328.5
115°	383.7	382.4	381.0	379.9	379.0	378.1	377.2	376.3	377.2	378.1	379.0
117.5°	432.4	431.7	431.0	430.1	429.0	427.9	426.8	425.7	426.8	427.9	429.0
120°	463.6	463.1	462.7	461.8	460.4	459.1	457.7	456.4	457.7	459.1	460.4
122.5°	494.0	493.4	492.8	492.1	490.9	489.8	488.7	487.6	488.7	489.8	490.9
125°	537.3	536.7	536.1	535.2	534.0	532.8	531.6	530.5	531.6	532.8	534.0
127.5°	579.1	578.3	577.6	576.7	575.5	574.3	573.1	571.9	573.1	574.3	575.5
130°	604.6	604.0	603.4	602.5	601.3	600.1	598.9	597.7	598.9	600.1	601.3
132.5°	629.0	628.6	628.1	627.3	626.1	624.9	623.7	622.5	623.7	624.9	626.1
135°	665.9	665.3	664.7	663.9	663.1	662.1	661.2	660.3	661.2	662.1	663.1
137.5°	698.6	698.3	697.9	697.2	696.0	694.9	693.8	692.7	693.8	694.9	696.0
140°	719.4	718.9	718.4	717.8	716.9	716.0	715.1	714.2	715.1	716.0	716.9
142.5°	739.3	738.8	738.4	737.7	736.8	735.9	735.0	734.1	735.0	735.9	736.8
145°	767.4	767.2	766.8	766.2	765.1	764.1	763.0	762.0	763.0	764.1	765.1
147.5°	792.0	791.8	791.5	791.0	790.3	789.6	788.9	788.2	788.9	789.6	790.3
150°	807.2	806.8	806.6	806.2	805.7	805.3	804.9	804.3	804.9	805.3	805.7
152.5°	820.3	820.1	819.9	819.8	819.6	819.3	819.2	818.9	819.2	819.3	819.6
155°	838.4	838.3	838.1	838.2	838.5	838.8	839.1	839.4	839.1	838.8	838.5
157.5°	854.8	854.9	855.1	855.1	855.1	855.2	855.2	855.2	855.2	855.2	855.1
160°	863.9	864.1	864.2	864.4	864.5	864.7	864.8	865.0	864.8	864.7	864.5
162.5°	872.0	872.1	872.3	872.5	873.0	873.3	873.7	874.1	873.7	873.3	873.0
165°	882.8	883.0	883.0	883.4	883.8	884.2	884.7	885.2	884.7	884.2	883.8
167.5°	891.0	891.0	891.0	891.4	892.0	892.6	893.2	893.8	893.2	892.6	892.0
170°	896.0	896.0	896.0	896.2	896.8	897.4	898.0	898.6	898.0	897.4	896.8
172.5°	898.9	898.8	898.7	899.0	899.7	900.4	901.1	901.8	901.1	900.4	899.7
175°	903.0	902.8	902.8	903.0	903.8	904.6	905.3	906.0	905.3	904.6	903.8
177.5°	904.7	904.6	904.5	904.7	905.3	905.9	906.5	907.1	906.5	905.9	905.3
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P331973-935

CATALOG NUMBER: S123DIP-S775D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	914.8	912.3	908.7	903.3	899.0	892.1	892.1	893.2	893.2	892.9	892.1
5°	887.1	880.3	872.2	862.7	852.8	842.9	841.1	837.5	834.8	833.0	830.7
7.5°	857.8	845.8	834.0	820.7	808.7	798.7	791.7	785.9	782.2	778.3	775.4
10°	837.9	823.0	809.1	795.1	779.8	767.7	760.0	754.6	750.5	746.9	745.1
12.5°	814.5	797.5	782.0	768.8	752.0	739.5	732.2	729.7	724.9	717.3	713.3
15°	780.2	764.5	746.0	725.7	717.6	702.2	693.7	689.7	686.9	681.1	679.2
17.5°	751.0	730.3	709.6	694.4	679.3	666.9	662.1	657.1	653.5	648.7	647.3
20°	727.5	709.0	690.1	673.9	658.1	644.5	640.5	636.9	633.3	631.0	629.2
22.5°	703.7	685.3	669.5	654.4	637.6	628.7	624.3	620.4	617.8	616.3	614.5
25°	670.3	654.0	636.5	622.9	609.4	603.6	600.8	598.6	596.8	594.5	594.1
27.5°	640.3	622.7	608.4	595.8	586.1	581.2	578.6	577.5	577.9	578.7	579.2
30°	617.9	601.8	590.0	579.2	570.2	565.7	565.2	565.2	567.1	567.5	568.4
32.5°	597.4	584.1	572.4	561.9	555.1	552.0	553.7	553.7	555.2	556.3	557.9
35°	567.5	555.8	546.7	537.8	531.9	533.2	534.2	535.0	537.3	540.0	541.8
37.5°	538.9	528.7	519.4	512.3	509.6	512.0	514.2	516.1	518.8	520.8	522.6
40°	518.3	510.7	501.7	495.3	496.3	497.7	499.5	501.7	503.9	505.3	507.1
42.5°	499.2	491.2	484.4	479.1	480.4	482.2	483.2	484.4	487.0	489.4	490.5
45°	470.1	463.8	457.5	454.3	455.3	456.2	457.0	458.4	460.6	462.4	463.0
47.5°	437.4	433.0	428.8	425.7	427.1	426.8	427.9	430.8	431.5	432.7	435.1
50°	416.5	412.4	407.5	406.6	406.6	406.6	407.0	410.6	410.6	412.4	414.2
52.5°	393.4	390.8	387.6	386.0	385.3	385.3	387.2	389.0	389.7	392.3	394.1
55°	359.2	356.5	353.9	352.5	351.5	352.5	356.1	357.0	359.2	360.6	362.0
57.5°	323.6	321.6	319.4	318.7	318.5	319.7	321.7	324.3	324.9	329.1	331.1
60°	300.2	297.0	295.2	295.2	294.4	298.4	297.5	302.0	302.9	305.6	308.8
62.5°	276.0	271.8	271.0	271.0	272.3	273.5	274.7	276.7	279.1	282.5	285.0
65°	237.1	234.9	238.0	237.5	236.6	239.4	239.4	241.6	244.3	247.5	252.4
67.5°	200.2	199.1	199.3	199.3	200.7	202.2	203.5	205.4	208.7	212.1	215.2
70°	175.3	176.7	174.4	176.2	177.6	178.1	178.9	181.7	185.3	187.5	191.1
72.5°	151.2	151.1	151.4	152.1	153.4	154.2	155.2	158.3	162.2	164.1	166.9
75°	116.3	115.8	117.2	117.2	119.4	120.4	121.2	122.6	126.2	128.9	131.1
77.5°	84.9	85.5	85.2	86.7	86.1	86.3	89.0	90.4	90.7	96.1	97.3
80°	64.0	64.9	65.3	65.8	66.3	65.3	68.5	69.8	69.8	73.0	75.3
82.5°	46.0	46.5	47.7	48.1	48.2	49.2	49.4	50.4	51.5	52.9	55.8
85°	23.0	24.4	24.8	24.4	24.8	23.8	25.2	25.7	26.2	26.2	26.2
87.5°	8.5	9.2	9.3	10.0	10.1	10.8	10.9	10.3	10.4	11.6	10.3
90°	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4	17.9	18.5	19.0
92.5°	10.8	11.4	12.8	14.3	15.8	17.2	18.2	19.1	20.1	21.1	21.6
95°	16.5	14.3	15.9	17.6	19.2	20.8	22.0	23.0	24.0	25.1	25.6
97.5°	71.5	64.7	54.0	43.2	32.5	21.7	22.9	24.1	25.2	26.4	27.1
100°	125.7	115.5	92.2	68.9	45.5	22.2	23.4	24.6	25.8	27.0	27.6
102.5°	157.9	146.3	120.8	95.2	69.7	44.3	40.6	36.9	33.1	29.4	27.7
105°	207.2	201.3	187.8	174.4	160.8	147.4	121.0	94.5	68.0	41.5	28.4
107.5°	259.9	261.7	263.8	266.0	268.0	270.2	250.8	231.4	212.0	192.5	172.8
110°	295.6	297.0	298.7	300.3	302.0	303.6	298.7	293.7	288.8	283.9	270.7



TEST NUMBER: P331973-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	329.6	330.9	332.6	334.2	335.9	337.5	337.6	337.7	337.8	337.9	335.6
115°	379.9	381.0	382.4	383.7	385.0	386.4	387.9	389.3	390.9	392.4	393.4
117.5°	430.1	431.0	431.7	432.4	433.1	433.8	435.0	436.2	437.4	438.5	439.2
120°	461.8	462.7	463.1	463.6	464.0	464.4	465.6	466.8	468.0	469.2	469.8
122.5°	492.1	492.8	493.4	494.0	494.6	495.2	496.0	496.8	497.7	498.5	498.9
125°	535.2	536.1	536.7	537.3	537.9	538.5	538.8	539.1	539.4	539.7	540.0
127.5°	576.7	577.6	578.3	579.1	579.8	580.5	581.0	581.4	581.9	582.4	582.5
130°	602.5	603.4	604.0	604.6	605.2	605.8	606.4	607.0	607.6	608.2	608.4
132.5°	627.3	628.1	628.6	629.0	629.6	630.1	630.7	631.2	631.8	632.4	632.5
135°	663.9	664.7	665.3	665.9	666.5	667.1	667.5	668.0	668.4	668.8	668.8
137.5°	697.2	697.9	698.3	698.6	698.9	699.2	700.0	700.7	701.4	702.1	702.3
140°	717.8	718.4	718.9	719.4	719.8	720.2	720.8	721.4	722.0	722.6	722.8
142.5°	737.7	738.4	738.8	739.3	739.7	740.2	740.6	741.1	741.6	742.1	742.1
145°	766.2	766.8	767.2	767.4	767.8	768.0	768.4	768.6	769.0	769.2	769.4
147.5°	791.0	791.5	791.8	792.0	792.4	792.6	793.0	793.2	793.6	793.8	793.7
150°	806.2	806.6	806.8	807.2	807.4	807.8	808.0	808.3	808.7	808.9	808.9
152.5°	819.8	819.9	820.1	820.3	820.5	820.7	821.2	821.7	822.3	822.9	822.8
155°	838.2	838.1	838.3	838.4	838.5	838.7	839.5	840.2	840.9	841.7	841.6
157.5°	855.1	855.1	854.9	854.8	854.6	854.5	855.4	856.3	857.1	858.1	857.9
160°	864.4	864.2	864.1	863.9	863.8	863.6	864.5	865.4	866.3	867.2	867.1
162.5°	872.5	872.3	872.1	872.0	871.8	871.7	872.7	873.7	874.8	875.7	875.8
165°	883.4	883.0	883.0	882.8	882.6	882.4	883.6	884.8	886.1	887.3	887.3
167.5°	891.4	891.0	891.0	891.0	891.0	891.0	892.3	893.5	894.7	895.9	895.9
170°	896.2	896.0	896.0	896.0	896.0	896.0	897.2	898.3	899.5	900.7	900.7
172.5°	899.0	898.7	898.8	898.9	899.1	899.1	900.3	901.6	902.8	904.0	903.9
175°	903.0	902.8	902.8	903.0	903.2	903.4	904.4	905.4	906.5	907.5	907.4
177.5°	904.7	904.5	904.6	904.7	904.8	904.9	905.9	906.9	907.8	908.8	908.7
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P331973-935

CATALOG NUMBER: S123DIP-S775D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	889.6	889.2	891.7	889.9	891.7	889.2	889.6	892.1	892.9	893.2	893.2
5°	828.0	829.4	824.8	824.8	824.8	829.4	828.0	830.7	833.0	834.8	837.5
7.5°	773.2	771.2	771.4	769.0	771.4	771.2	773.2	775.4	778.3	782.2	785.9
10°	739.7	737.0	736.1	736.5	736.1	737.0	739.7	745.1	746.9	750.5	754.6
12.5°	711.9	711.4	705.4	705.5	705.4	711.4	711.9	713.3	717.3	724.9	729.7
15°	679.2	670.7	669.8	672.5	669.8	670.7	679.2	679.2	681.1	686.9	689.7
17.5°	646.5	642.0	642.3	640.9	642.3	642.0	646.5	647.3	648.7	653.5	657.1
20°	629.2	626.5	626.1	622.9	626.1	626.5	629.2	629.2	631.0	633.3	636.9
22.5°	613.4	612.5	612.8	609.2	612.8	612.5	613.4	614.5	616.3	617.8	620.4
25°	593.7	595.9	594.1	594.1	594.1	595.9	593.7	594.1	594.5	596.8	598.6
27.5°	580.3	580.2	579.3	579.3	579.3	580.2	580.3	579.2	578.7	577.9	577.5
30°	570.2	569.7	570.7	570.7	570.7	569.7	570.2	568.4	567.5	567.1	565.2
32.5°	560.1	560.8	560.9	561.3	560.9	560.8	560.1	557.9	556.3	555.2	553.7
35°	544.5	544.9	546.3	545.4	546.3	544.9	544.5	541.8	540.0	537.3	535.0
37.5°	523.4	525.5	525.0	525.7	525.0	525.5	523.4	522.6	520.8	518.8	516.1
40°	507.6	508.9	508.4	508.4	508.4	508.9	507.6	507.1	505.3	503.9	501.7
42.5°	491.3	492.3	491.1	490.4	491.1	492.3	491.3	490.5	489.4	487.0	484.4
45°	464.7	463.8	465.2	463.4	465.2	463.8	464.7	463.0	462.4	460.6	458.4
47.5°	435.0	435.8	436.3	437.6	436.3	435.8	435.0	435.1	432.7	431.5	430.8
50°	415.2	417.8	417.8	417.4	417.8	417.8	415.2	414.2	412.4	410.6	410.6
52.5°	395.6	396.9	398.7	398.6	398.7	396.9	395.6	394.1	392.3	389.7	389.0
55°	365.6	366.4	367.4	367.8	367.4	366.4	365.6	362.0	360.6	359.2	357.0
57.5°	334.3	334.0	336.1	336.8	336.1	334.0	334.3	331.1	329.1	324.9	324.3
60°	312.4	312.4	316.0	317.4	316.0	312.4	312.4	308.8	305.6	302.9	302.0
62.5°	289.0	290.4	293.9	292.1	293.9	290.4	289.0	285.0	282.5	279.1	276.7
65°	254.7	258.3	257.9	259.6	257.9	258.3	254.7	252.4	247.5	244.3	241.6
67.5°	218.9	221.1	224.4	224.6	224.4	221.1	218.9	215.2	212.1	208.7	205.4
70°	194.8	197.0	198.8	200.1	198.8	197.0	194.8	191.1	187.5	185.3	181.7
72.5°	171.3	172.5	176.8	174.9	176.8	172.5	171.3	166.9	164.1	162.2	158.3
75°	134.3	137.5	140.2	138.8	140.2	137.5	134.3	131.1	128.9	126.2	122.6
77.5°	99.4	102.5	103.8	102.6	103.8	102.5	99.4	97.3	96.1	90.7	90.4
80°	78.4	78.0	80.7	80.2	80.7	78.0	78.4	75.3	73.0	69.8	69.8
82.5°	57.5	57.1	58.3	58.6	58.3	57.1	57.5	55.8	52.9	51.5	50.4
85°	28.0	29.3	27.5	27.0	27.5	29.3	28.0	26.2	26.2	26.2	25.7
87.5°	10.3	10.4	10.1	9.8	10.1	10.4	10.3	10.3	11.6	10.4	10.3
90°	19.3	19.6	19.9	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4
92.5°	21.8	22.0	22.1	22.4	22.1	22.0	21.8	21.6	21.1	20.1	19.1
95°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.1	24.0	23.0
97.5°	27.3	27.5	27.6	27.7	27.6	27.5	27.3	27.1	26.4	25.2	24.1
100°	27.8	28.0	28.2	28.2	28.2	28.0	27.8	27.6	27.0	25.8	24.6
102.5°	28.0	28.2	28.5	28.8	28.5	28.2	28.0	27.7	29.4	33.1	36.9
105°	28.8	29.0	29.4	29.6	29.4	29.0	28.8	28.4	41.5	68.0	94.5
107.5°	152.9	132.9	113.0	93.0	113.0	132.9	152.9	172.8	192.5	212.0	231.4
110°	249.3	227.9	206.5	185.1	206.5	227.9	249.3	270.7	283.9	288.8	293.7



TEST NUMBER: P331973-935

CATALOG NUMBER: S123DIP-S775D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	331.1	326.6	322.1	317.6	322.1	326.6	331.1	335.6	337.9	337.8	337.7
115°	394.0	394.6	395.2	395.8	395.2	394.6	394.0	393.4	392.4	390.9	389.3
117.5°	439.4	439.5	439.5	439.7	439.5	439.5	439.4	439.2	438.5	437.4	436.2
120°	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.2	468.0	466.8
122.5°	499.1	499.2	499.4	499.5	499.4	499.2	499.1	498.9	498.5	497.7	496.8
125°	540.3	540.6	540.9	541.2	540.9	540.6	540.3	540.0	539.7	539.4	539.1
127.5°	582.2	581.9	581.6	581.3	581.6	581.9	582.2	582.5	582.4	581.9	581.4
130°	608.0	607.8	607.4	607.2	607.4	607.8	608.0	608.4	608.2	607.6	607.0
132.5°	632.1	631.7	631.3	630.9	631.3	631.7	632.1	632.5	632.4	631.8	631.2
135°	668.4	668.0	667.5	667.1	667.5	668.0	668.4	668.8	668.8	668.4	668.0
137.5°	702.1	701.7	701.5	701.1	701.5	701.7	702.1	702.3	702.1	701.4	700.7
140°	722.5	722.2	721.9	721.6	721.9	722.2	722.5	722.8	722.6	722.0	721.4
142.5°	741.7	741.2	740.9	740.5	740.9	741.2	741.7	742.1	742.1	741.6	741.1
145°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.2	769.0	768.6
147.5°	793.0	792.3	791.6	790.9	791.6	792.3	793.0	793.7	793.8	793.6	793.2
150°	808.4	808.0	807.5	807.1	807.5	808.0	808.4	808.9	808.9	808.7	808.3
152.5°	822.1	821.4	820.7	820.0	820.7	821.4	822.1	822.8	822.9	822.3	821.7
155°	840.8	839.8	839.0	838.0	839.0	839.8	840.8	841.6	841.7	840.9	840.2
157.5°	856.8	855.6	854.5	853.3	854.5	855.6	856.8	857.9	858.1	857.1	856.3
160°	866.1	865.0	864.0	863.0	864.0	865.0	866.1	867.1	867.2	866.3	865.4
162.5°	874.9	873.9	873.1	872.1	873.1	873.9	874.9	875.8	875.7	874.8	873.7
165°	886.3	885.2	884.2	883.1	884.2	885.2	886.3	887.3	887.3	886.1	884.8
167.5°	894.7	893.5	892.3	891.0	892.3	893.5	894.7	895.9	895.9	894.7	893.5
170°	899.5	898.3	897.2	896.0	897.2	898.3	899.5	900.7	900.7	899.5	898.3
172.5°	902.6	901.3	899.9	898.6	899.9	901.3	902.6	903.9	904.0	902.8	901.6
175°	906.3	905.1	903.9	902.7	903.9	905.1	906.3	907.4	907.5	906.5	905.4
177.5°	907.5	906.3	905.1	903.9	905.1	906.3	907.5	908.7	908.8	907.8	906.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P331973-935

CATALOG NUMBER: S123DIP-S775D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	892.1	892.1	899.0	903.3	908.7	912.3	914.8	917.4	921.7	927.5	933.9
5°	841.1	842.9	852.8	862.7	872.2	880.3	887.1	895.2	905.1	917.3	930.8
7.5°	791.7	798.7	808.7	820.7	834.0	845.8	857.8	871.2	885.1	903.0	922.0
10°	760.0	767.7	779.8	795.1	809.1	823.0	837.9	852.4	870.0	891.1	915.5
12.5°	732.2	739.5	752.0	768.8	782.0	797.5	814.5	833.3	853.0	878.5	906.1
15°	693.7	702.2	717.6	725.7	746.0	764.5	780.2	807.3	832.5	858.7	890.7
17.5°	662.1	666.9	679.3	694.4	709.6	730.3	751.0	773.5	798.7	830.6	870.6
20°	640.5	644.5	658.1	673.9	690.1	709.0	727.5	750.0	778.4	812.3	855.5
22.5°	624.3	628.7	637.6	654.4	669.5	685.3	703.7	730.6	760.8	793.8	840.8
25°	600.8	603.6	609.4	622.9	636.5	654.0	670.3	695.5	726.6	765.3	812.3
27.5°	578.6	581.2	586.1	595.8	608.4	622.7	640.3	661.8	693.4	735.5	785.2
30°	565.2	565.7	570.2	579.2	590.0	601.8	617.9	642.3	672.1	714.9	767.2
32.5°	553.7	552.0	555.1	561.9	572.4	584.1	597.4	621.4	650.1	692.2	745.9
35°	534.2	533.2	531.9	537.8	546.7	555.8	567.5	585.6	617.9	657.2	713.5
37.5°	514.2	512.0	509.6	512.3	519.4	528.7	538.9	555.0	582.9	626.1	680.0
40°	499.5	497.7	496.3	495.3	501.7	510.7	518.3	533.6	559.8	600.8	654.0
42.5°	483.2	482.2	480.4	479.1	484.4	491.2	499.2	512.8	538.9	577.4	627.8
45°	457.0	456.2	455.3	454.3	457.5	463.8	470.1	480.0	502.6	540.0	585.6
47.5°	427.9	426.8	427.1	425.7	428.8	433.0	437.4	448.1	469.7	499.9	533.1
50°	407.0	406.6	406.6	406.6	407.5	412.4	416.5	424.6	444.4	474.7	498.5
52.5°	387.2	385.3	385.3	386.0	387.6	390.8	393.4	402.3	419.6	444.4	466.1
55°	356.1	352.5	351.5	352.5	353.9	356.5	359.2	366.4	381.3	399.8	412.4
57.5°	321.7	319.7	318.5	318.7	319.4	321.6	323.6	331.5	343.2	352.8	360.9
60°	297.5	298.4	294.4	295.2	295.2	297.0	300.2	305.1	315.0	321.8	329.9
62.5°	274.7	273.5	272.3	271.0	271.0	271.8	276.0	279.9	288.3	291.9	298.3
65°	239.4	239.4	236.6	237.5	238.0	234.9	237.1	241.6	247.0	248.4	254.3
67.5°	203.5	202.2	200.7	199.3	199.3	199.1	200.2	202.5	206.6	207.0	211.5
70°	178.9	178.1	177.6	176.2	174.4	176.7	175.3	177.6	179.9	180.3	183.0
72.5°	155.2	154.2	153.4	152.1	151.4	151.1	151.2	153.8	155.3	154.7	157.7
75°	121.2	120.4	119.4	117.2	117.2	115.8	116.3	118.1	119.9	118.6	121.2
77.5°	89.0	86.3	86.1	86.7	85.2	85.5	84.9	84.6	85.5	85.6	88.0
80°	68.5	65.3	66.3	65.8	65.3	64.9	64.0	64.5	64.9	65.3	66.7
82.5°	49.4	49.2	48.2	48.1	47.7	46.5	46.0	46.8	47.3	47.0	48.0
85°	25.2	23.8	24.8	24.4	24.8	24.4	23.0	23.0	23.8	23.4	24.4
87.5°	10.9	10.8	10.1	10.0	9.3	9.2	8.5	8.6	8.7	8.4	8.8
90°	16.8	16.2	14.2	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7
92.5°	18.2	17.2	15.8	14.3	12.8	11.4	10.8	11.3	11.7	12.1	12.5
95°	22.0	20.8	19.2	17.6	15.9	14.3	16.5	22.6	28.8	35.0	41.1
97.5°	22.9	21.7	32.5	43.2	54.0	64.7	71.5	74.3	77.1	79.8	82.5
100°	23.4	22.2	45.5	68.9	92.2	115.5	125.7	122.7	119.8	116.8	113.7
102.5°	40.6	44.3	69.7	95.2	120.8	146.3	157.9	155.8	153.6	151.4	149.3
105°	121.0	147.4	160.8	174.4	187.8	201.3	207.2	205.5	203.9	202.2	200.6
107.5°	250.8	270.2	268.0	266.0	263.8	261.7	259.9	258.6	257.4	256.1	254.7
110°	298.7	303.6	302.0	300.3	298.7	297.0	295.6	294.4	293.2	292.0	290.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	337.6	337.5	335.9	334.2	332.6	330.9	329.6	328.5	327.4	326.3	325.3
115°	387.9	386.4	385.0	383.7	382.4	381.0	379.9	379.0	378.1	377.2	376.3
117.5°	435.0	433.8	433.1	432.4	431.7	431.0	430.1	429.0	427.9	426.8	425.7
120°	465.6	464.4	464.0	463.6	463.1	462.7	461.8	460.4	459.1	457.7	456.4
122.5°	496.0	495.2	494.6	494.0	493.4	492.8	492.1	490.9	489.8	488.7	487.6
125°	538.8	538.5	537.9	537.3	536.7	536.1	535.2	534.0	532.8	531.6	530.5
127.5°	581.0	580.5	579.8	579.1	578.3	577.6	576.7	575.5	574.3	573.1	571.9
130°	606.4	605.8	605.2	604.6	604.0	603.4	602.5	601.3	600.1	598.9	597.7
132.5°	630.7	630.1	629.6	629.0	628.6	628.1	627.3	626.1	624.9	623.7	622.5
135°	667.5	667.1	666.5	665.9	665.3	664.7	663.9	663.1	662.1	661.2	660.3
137.5°	700.0	699.2	698.9	698.6	698.3	697.9	697.2	696.0	694.9	693.8	692.7
140°	720.8	720.2	719.8	719.4	718.9	718.4	717.8	716.9	716.0	715.1	714.2
142.5°	740.6	740.2	739.7	739.3	738.8	738.4	737.7	736.8	735.9	735.0	734.1
145°	768.4	768.0	767.8	767.4	767.2	766.8	766.2	765.1	764.1	763.0	762.0
147.5°	793.0	792.6	792.4	792.0	791.8	791.5	791.0	790.3	789.6	788.9	788.2
150°	808.0	807.8	807.4	807.2	806.8	806.6	806.2	805.7	805.3	804.9	804.3
152.5°	821.2	820.7	820.5	820.3	820.1	819.9	819.8	819.6	819.3	819.2	818.9
155°	839.5	838.7	838.5	838.4	838.3	838.1	838.2	838.5	838.8	839.1	839.4
157.5°	855.4	854.5	854.6	854.8	854.9	855.1	855.1	855.1	855.2	855.2	855.2
160°	864.5	863.6	863.8	863.9	864.1	864.2	864.4	864.5	864.7	864.8	865.0
162.5°	872.7	871.7	871.8	872.0	872.1	872.3	872.5	873.0	873.3	873.7	874.1
165°	883.6	882.4	882.6	882.8	883.0	883.0	883.4	883.8	884.2	884.7	885.2
167.5°	892.3	891.0	891.0	891.0	891.0	891.0	891.4	892.0	892.6	893.2	893.8
170°	897.2	896.0	896.0	896.0	896.0	896.0	896.2	896.8	897.4	898.0	898.6
172.5°	900.3	899.1	899.1	898.9	898.8	898.7	899.0	899.7	900.4	901.1	901.8
175°	904.4	903.4	903.2	903.0	902.8	902.8	903.0	903.8	904.6	905.3	906.0
177.5°	905.9	904.9	904.8	904.7	904.6	904.5	904.7	905.3	905.9	906.5	907.1
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P331973-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	936.1	937.9	944.1	948.4	953.4	956.3	959.2	961.4	964.2	964.9	975.4
5°	940.3	949.3	965.1	976.8	991.2	1006.9	1017.8	1022.8	1035.8	1046.6	1068.2
7.5°	939.1	958.3	982.1	1006.8	1033.3	1057.8	1079.1	1104.3	1122.3	1149.3	1175.8
10°	938.0	963.7	994.4	1025.9	1062.9	1097.1	1127.7	1162.0	1190.4	1227.9	1259.8
12.5°	934.8	965.9	1008.4	1045.8	1090.6	1137.9	1183.3	1227.3	1252.4	1314.7	1344.2
15°	926.8	963.7	1016.9	1073.7	1135.4	1191.4	1249.1	1295.0	1369.3	1423.9	1458.6
17.5°	911.5	963.2	1026.2	1094.8	1169.8	1243.5	1308.9	1378.6	1457.5	1523.5	1593.9
20°	904.2	961.0	1031.3	1107.1	1185.0	1268.4	1342.8	1426.6	1512.7	1577.6	1667.8
22.5°	890.9	955.2	1031.0	1115.3	1198.7	1285.0	1372.0	1456.6	1556.0	1645.5	1731.2
25°	869.0	941.2	1019.6	1113.8	1211.6	1298.1	1402.3	1514.5	1618.2	1733.1	1818.8
27.5°	846.1	923.2	1001.8	1089.3	1194.6	1297.3	1428.2	1555.1	1681.9	1781.1	1844.4
30°	828.5	903.3	984.5	1072.8	1176.9	1299.1	1445.5	1583.9	1707.4	1792.6	1828.2
32.5°	809.3	885.3	957.0	1049.7	1160.7	1298.0	1456.4	1600.9	1708.9	1765.6	1758.7
35°	779.4	842.9	912.7	1002.0	1132.7	1290.0	1462.7	1602.4	1668.7	1656.5	1564.5
37.5°	736.1	789.5	858.3	956.1	1100.3	1273.3	1450.1	1554.9	1550.6	1451.5	1318.3
40°	709.0	754.6	820.8	923.6	1075.0	1262.6	1430.2	1498.3	1440.6	1302.2	1142.6
42.5°	673.7	715.6	781.9	887.5	1047.2	1240.5	1392.3	1412.1	1299.2	1140.0	993.7
45°	618.9	655.8	724.4	833.4	1005.6	1192.7	1299.9	1251.7	1099.8	935.3	824.0
47.5°	560.0	598.4	664.3	776.4	945.4	1120.7	1171.7	1069.2	913.2	779.8	677.6
50°	522.9	559.8	624.3	737.4	904.7	1061.5	1082.7	950.2	806.8	689.7	605.8
52.5°	485.3	520.1	583.5	697.1	857.0	993.0	979.9	844.9	713.1	613.2	547.4
55°	429.6	462.4	522.9	629.2	774.8	882.5	835.3	706.4	597.3	519.7	469.7
57.5°	379.6	411.2	463.3	559.4	686.0	760.0	699.7	591.1	504.4	444.7	407.4
60°	345.7	373.7	423.3	512.5	622.5	678.8	619.3	523.3	450.3	402.5	369.2
62.5°	313.7	337.9	383.9	464.9	560.4	607.8	547.6	466.3	404.2	361.8	333.5
65°	265.0	287.1	327.7	390.8	469.2	500.8	448.9	383.1	334.9	303.3	284.4
67.5°	220.7	239.4	274.5	324.2	381.9	404.8	365.4	314.4	278.1	252.8	237.7
70°	191.1	207.3	234.9	277.7	329.9	347.5	310.6	268.6	242.0	221.8	207.8
72.5°	166.3	178.1	203.1	236.2	279.8	293.8	268.0	231.2	206.4	191.1	180.0
75°	126.7	136.6	152.8	179.4	209.6	217.7	198.3	175.3	158.7	147.8	139.3
77.5°	91.4	98.6	110.4	126.7	147.7	155.0	142.7	127.3	115.2	107.9	103.1
80°	69.0	74.8	84.7	98.2	110.9	114.9	107.7	96.0	87.5	83.4	79.3
82.5°	51.0	54.2	60.2	69.4	78.1	82.8	76.7	69.7	65.1	61.4	59.8
85°	25.7	27.5	30.2	33.8	39.2	41.0	38.7	36.9	34.3	32.0	32.0
87.5°	9.8	10.1	11.5	12.5	14.3	15.8	15.8	15.5	15.5	15.2	15.0
90°	2.2	3.7	5.2	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4
92.5°	12.1	11.7	11.3	10.8	11.4	12.8	14.3	15.8	17.2	18.2	19.1
95°	35.0	28.8	22.6	16.5	14.3	15.9	17.6	19.2	20.8	22.0	23.0
97.5°	79.8	77.1	74.3	71.5	64.7	54.0	43.2	32.5	21.7	22.9	24.1
100°	116.8	119.8	122.7	125.7	115.5	92.2	68.9	45.5	22.2	23.4	24.6
102.5°	151.4	153.6	155.8	157.9	146.3	120.8	95.2	69.7	44.3	40.6	36.9
105°	202.2	203.9	205.5	207.2	201.3	187.8	174.4	160.8	147.4	121.0	94.5
107.5°	256.1	257.4	258.6	259.9	261.7	263.8	266.0	268.0	270.2	250.8	231.4
110°	292.0	293.2	294.4	295.6	297.0	298.7	300.3	302.0	303.6	298.7	293.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	326.3	327.4	328.5	329.6	330.9	332.6	334.2	335.9	337.5	337.6	337.7
115°	377.2	378.1	379.0	379.9	381.0	382.4	383.7	385.0	386.4	387.9	389.3
117.5°	426.8	427.9	429.0	430.1	431.0	431.7	432.4	433.1	433.8	435.0	436.2
120°	457.7	459.1	460.4	461.8	462.7	463.1	463.6	464.0	464.4	465.6	466.8
122.5°	488.7	489.8	490.9	492.1	492.8	493.4	494.0	494.6	495.2	496.0	496.8
125°	531.6	532.8	534.0	535.2	536.1	536.7	537.3	537.9	538.5	538.8	539.1
127.5°	573.1	574.3	575.5	576.7	577.6	578.3	579.1	579.8	580.5	581.0	581.4
130°	598.9	600.1	601.3	602.5	603.4	604.0	604.6	605.2	605.8	606.4	607.0
132.5°	623.7	624.9	626.1	627.3	628.1	628.6	629.0	629.6	630.1	630.7	631.2
135°	661.2	662.1	663.1	663.9	664.7	665.3	665.9	666.5	667.1	667.5	668.0
137.5°	693.8	694.9	696.0	697.2	697.9	698.3	698.6	698.9	699.2	700.0	700.7
140°	715.1	716.0	716.9	717.8	718.4	718.9	719.4	719.8	720.2	720.8	721.4
142.5°	735.0	735.9	736.8	737.7	738.4	738.8	739.3	739.7	740.2	740.6	741.1
145°	763.0	764.1	765.1	766.2	766.8	767.2	767.4	767.8	768.0	768.4	768.6
147.5°	788.9	789.6	790.3	791.0	791.5	791.8	792.0	792.4	792.6	793.0	793.2
150°	804.9	805.3	805.7	806.2	806.6	806.8	807.2	807.4	807.8	808.0	808.3
152.5°	819.2	819.3	819.6	819.8	819.9	820.1	820.3	820.5	820.7	821.2	821.7
155°	839.1	838.8	838.5	838.2	838.1	838.3	838.4	838.5	838.7	839.5	840.2
157.5°	855.2	855.2	855.1	855.1	855.1	854.9	854.8	854.6	854.5	855.4	856.3
160°	864.8	864.7	864.5	864.4	864.2	864.1	863.9	863.8	863.6	864.5	865.4
162.5°	873.7	873.3	873.0	872.5	872.3	872.1	872.0	871.8	871.7	872.7	873.7
165°	884.7	884.2	883.8	883.4	883.0	883.0	882.8	882.6	882.4	883.6	884.8
167.5°	893.2	892.6	892.0	891.4	891.0	891.0	891.0	891.0	891.0	892.3	893.5
170°	898.0	897.4	896.8	896.2	896.0	896.0	896.0	896.0	896.0	897.2	898.3
172.5°	901.1	900.4	899.7	899.0	898.7	898.8	898.9	899.1	899.1	900.3	901.6
175°	905.3	904.6	903.8	903.0	902.8	902.8	903.0	903.2	903.4	904.4	905.4
177.5°	906.5	905.9	905.3	904.7	904.5	904.6	904.7	904.8	904.9	905.9	906.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	979.0	979.4	983.3	986.3	984.8	986.6	987.3
5°	1069.6	1085.9	1094.4	1100.7	1101.2	1101.6	1105.3
7.5°	1198.1	1215.5	1228.2	1247.5	1253.3	1259.8	1257.9
10°	1291.8	1317.5	1339.6	1351.3	1364.0	1382.4	1367.6
12.5°	1379.5	1425.0	1458.6	1476.9	1488.8	1492.5	1485.1
15°	1524.0	1583.5	1615.5	1614.5	1655.2	1672.8	1645.2
17.5°	1656.5	1711.4	1755.4	1778.0	1811.7	1819.2	1815.8
20°	1737.7	1797.6	1831.9	1870.6	1888.2	1903.9	1906.7
22.5°	1807.6	1861.4	1898.2	1930.4	1945.2	1952.7	1957.1
25°	1879.6	1922.0	1944.1	1955.3	1959.4	1958.5	1952.7
27.5°	1874.7	1877.9	1853.6	1829.7	1808.4	1784.3	1776.0
30°	1826.0	1788.1	1720.5	1682.2	1625.8	1581.2	1599.2
32.5°	1698.0	1622.6	1546.7	1462.9	1393.6	1373.9	1354.0
35°	1449.1	1316.6	1239.2	1148.9	1112.9	1076.9	1052.1
37.5°	1172.4	1069.9	977.9	918.9	882.9	860.1	847.7
40°	1013.7	921.4	845.6	797.8	770.3	744.7	741.1
42.5°	887.2	801.2	744.2	706.2	679.8	668.9	661.0
45°	726.6	666.7	628.4	601.3	583.8	577.0	567.9
47.5°	615.0	572.7	543.9	525.5	512.2	507.2	506.4
50°	552.6	517.5	496.3	481.8	471.5	469.7	462.4
52.5°	505.8	475.3	458.7	446.2	438.7	433.6	431.4
55°	439.0	418.7	403.9	396.7	390.8	385.8	385.8
57.5°	384.1	367.2	357.3	351.2	349.4	345.9	343.6
60°	350.3	335.8	328.1	322.7	319.2	319.6	315.6
62.5°	317.0	307.7	300.4	295.0	290.7	290.8	291.0
65°	270.0	262.8	257.4	255.5	252.9	249.7	250.6
67.5°	228.8	222.1	217.8	214.7	213.9	212.2	214.7
70°	199.2	194.2	191.1	188.4	187.5	188.0	190.2
72.5°	172.2	168.7	166.6	165.3	163.3	163.4	165.0
75°	135.3	132.5	130.7	129.3	128.9	128.9	128.9
77.5°	99.4	98.8	97.9	95.9	96.0	96.5	96.6
80°	78.4	77.1	76.6	75.8	74.4	73.4	75.8
82.5°	58.6	57.3	56.8	56.7	54.5	54.3	56.2
85°	31.5	30.2	30.7	30.2	30.2	29.8	29.8
87.5°	14.8	14.6	14.3	14.6	14.4	14.0	14.9
90°	17.9	18.5	19.0	19.3	19.6	19.9	20.2
92.5°	20.1	21.1	21.6	21.8	22.0	22.1	22.4
95°	24.0	25.1	25.6	25.6	25.6	25.6	25.6
97.5°	25.2	26.4	27.1	27.3	27.5	27.6	27.7
100°	25.8	27.0	27.6	27.8	28.0	28.2	28.2
102.5°	33.1	29.4	27.7	28.0	28.2	28.5	28.8
105°	68.0	41.5	28.4	28.8	29.0	29.4	29.6
107.5°	212.0	192.5	172.8	152.9	132.9	113.0	93.0
110°	288.8	283.9	270.7	249.3	227.9	206.5	185.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.8	337.9	335.6	331.1	326.6	322.1	317.6
115°	390.9	392.4	393.4	394.0	394.6	395.2	395.8
117.5°	437.4	438.5	439.2	439.4	439.5	439.5	439.7
120°	468.0	469.2	469.8	469.8	469.8	469.8	469.8
122.5°	497.7	498.5	498.9	499.1	499.2	499.4	499.5
125°	539.4	539.7	540.0	540.3	540.6	540.9	541.2
127.5°	581.9	582.4	582.5	582.2	581.9	581.6	581.3
130°	607.6	608.2	608.4	608.0	607.8	607.4	607.2
132.5°	631.8	632.4	632.5	632.1	631.7	631.3	630.9
135°	668.4	668.8	668.8	668.4	668.0	667.5	667.1
137.5°	701.4	702.1	702.3	702.1	701.7	701.5	701.1
140°	722.0	722.6	722.8	722.5	722.2	721.9	721.6
142.5°	741.6	742.1	742.1	741.7	741.2	740.9	740.5
145°	769.0	769.2	769.4	769.4	769.4	769.4	769.4
147.5°	793.6	793.8	793.7	793.0	792.3	791.6	790.9
150°	808.7	808.9	808.9	808.4	808.0	807.5	807.1
152.5°	822.3	822.9	822.8	822.1	821.4	820.7	820.0
155°	840.9	841.7	841.6	840.8	839.8	839.0	838.0
157.5°	857.1	858.1	857.9	856.8	855.6	854.5	853.3
160°	866.3	867.2	867.1	866.1	865.0	864.0	863.0
162.5°	874.8	875.7	875.8	874.9	873.9	873.1	872.1
165°	886.1	887.3	887.3	886.3	885.2	884.2	883.1
167.5°	894.7	895.9	895.9	894.7	893.5	892.3	891.0
170°	899.5	900.7	900.7	899.5	898.3	897.2	896.0
172.5°	902.8	904.0	903.9	902.6	901.3	899.9	898.6
175°	906.5	907.5	907.4	906.3	905.1	903.9	902.7
177.5°	907.8	908.8	908.7	907.5	906.3	905.1	903.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0

(END OF REPORT)