

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: P332343-935

Luminaire Tested: **S123RDIP-S1000D805U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332343-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D805U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5784.8 lumens
Efficiency: N/A
Efficacy: 106.3 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

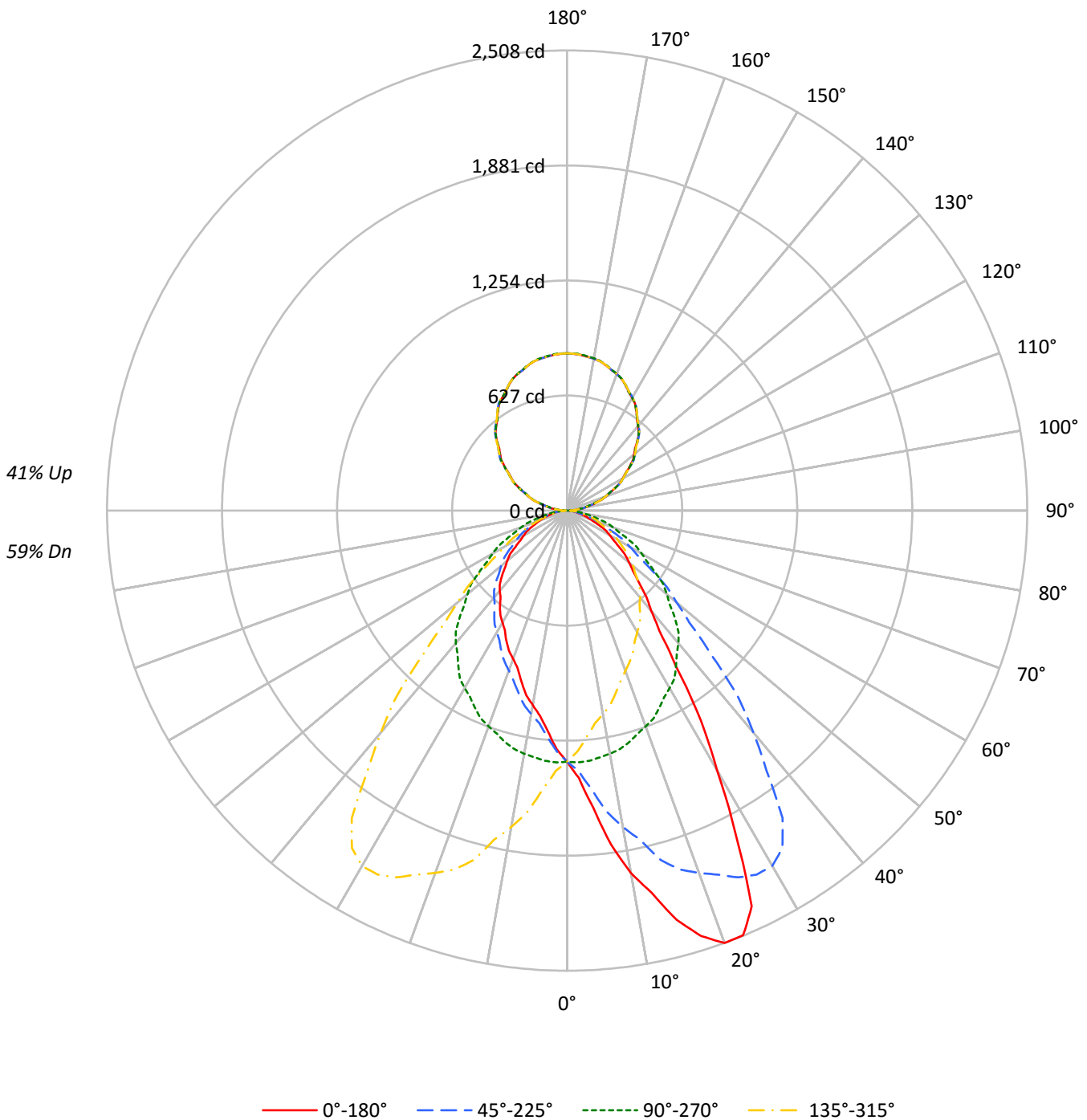
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	79	76	74	68	66	65	58	57	56	51				
2	92	85	79	74	86	80	74	70	70	66	62	60	58	55	52	50	48	44				
3	84	75	68	63	79	71	64	59	62	57	53	54	50	47	47	44	42	38				
4	78	67	59	54	72	63	56	51	56	50	46	49	44	41	42	39	36	33				
5	72	60	52	46	67	57	50	44	50	44	40	44	40	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	47	39	34	41	36	31	37	32	29	32	28	26	23				
8	57	45	37	32	53	42	36	31	38	32	28	34	29	26	30	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°	14733	14733	14733	14733
5°	17562	14795	13029	14795
10°	21928	14711	11770	14711
15°	25740	14561	10735	14561
20°	28726	14336	9852	14336
25°	28268	14099	9311	14099
30°	20319	13881	8754	13881
35°	13566	13596	8393	13596
40°	9996	13256	8019	13256
45°	8385	12657	7652	12657
50°	7398	11871	7142	11871
55°	6488	10975	6444	10975
60°	5778	10116	5903	10116
65°	5074	9192	5491	9192
70°	3984	8371	5017	8371
75°	3510	7311	4579	7311
80°	3050	6211	4506	6211
85°	2458	5002	4780	5002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	2.3
10°-20°	420.5	7.3
20°-30°	660.6	11.4
30°-40°	689.3	11.9
40°-50°	589.9	10.2
50°-60°	449.6	7.8
60°-70°	288.2	5.0
70°-80°	138.6	2.4
80°-90°	39.2	0.7
90°-100°	55.8	1.0
100°-110°	167.1	2.9
110°-120°	284.2	4.9
120°-130°	373.8	6.5
130°-140°	420.2	7.3
140°-150°	413.0	7.1
150°-160°	347.7	6.0
160°-170°	231.4	4.0
170°-180°	81.0	1.4
0°-30°	1215.8	21.0
0°-40°	1905.0	32.9
0°-60°	2944.5	50.9
0°-90°	3410.5	59.0
90°-120°	507.1	8.8
90°-150°	1714.1	29.6
90°-180°	2374.0	41.0
0°-180°	5784.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1625	1369	1206	1369	1625	168
15°	2310	1307	963	1307	2310	655
25°	2380	1187	784	1187	2380	1023
35°	1032	1035	639	1035	1032	677
45°	551	832	503	832	551	433
55°	346	585	343	585	346	313
65°	199	361	216	361	199	196
75°	84	176	110	176	84	90
85°	20	40	39	40	20	23
90°	20	1	20	1	20	10
95°	52	40	52	40	52	54
105°	160	151	160	151	160	170
115°	287	286	287	286	287	284
125°	414	419	414	419	414	370
135°	543	543	543	543	543	417
145°	659	659	659	659	659	411
155°	753	755	753	755	753	347
165°	819	822	819	822	819	231
175°	852	855	852	855	852	81
180°	857	857	857	857	857	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1457.8	1459.7	1453.6	1452.7	1445.6	1443.7	1443.7	1433.9	1427.8	1419.9	1415.1
5°	1625.4	1634.8	1630.0	1619.5	1602.0	1597.8	1586.7	1569.2	1549.2	1524.6	1512.9
7.5°	1834.7	1847.4	1842.5	1826.3	1807.8	1792.9	1761.6	1732.4	1691.5	1655.6	1625.0
10°	2006.2	1992.8	1982.2	1966.4	1949.4	1921.8	1889.0	1843.9	1791.8	1750.8	1705.1
12.5°	2134.7	2132.4	2119.1	2102.8	2078.8	2052.6	2012.3	1957.4	1896.8	1837.5	1785.2
15°	2309.8	2313.2	2304.5	2287.5	2253.5	2207.3	2146.3	2123.5	2036.7	1972.3	1907.8
17.5°	2430.9	2430.3	2429.1	2405.5	2370.8	2337.9	2281.4	2221.3	2142.8	2051.9	1965.1
20°	2507.8	2502.0	2503.1	2476.8	2451.0	2412.9	2357.8	2270.5	2206.1	2101.2	2011.6
22.5°	2505.9	2504.7	2509.2	2500.2	2481.5	2452.3	2408.9	2335.2	2252.9	2147.1	2046.3
25°	2380.1	2375.4	2403.0	2410.5	2440.4	2445.7	2432.8	2392.4	2314.5	2205.5	2080.7
27.5°	1991.9	1989.3	2040.5	2104.5	2185.6	2248.6	2309.5	2339.0	2314.5	2236.4	2111.3
30°	1634.8	1689.9	1715.6	1808.2	1911.3	2034.4	2142.2	2244.7	2269.9	2235.9	2133.4
32.5°	1357.3	1405.3	1426.8	1506.3	1602.4	1746.5	1908.3	2053.5	2156.0	2182.0	2120.3
35°	1032.4	1033.0	1082.2	1117.4	1206.4	1354.7	1511.7	1706.2	1899.6	2046.1	2061.3
37.5°	823.8	826.7	856.5	891.6	958.4	1036.7	1175.0	1336.8	1560.1	1785.0	1916.8
40°	711.4	716.6	738.9	773.4	821.5	880.6	988.5	1140.8	1327.1	1577.4	1781.8
42.5°	639.1	647.7	659.2	685.8	715.6	770.9	858.2	975.9	1145.3	1381.9	1617.8
45°	550.8	555.4	564.3	576.5	603.5	642.2	700.8	779.9	920.5	1110.9	1347.0
47.5°	485.9	483.4	492.7	502.7	520.6	546.9	586.2	650.7	751.1	903.9	1104.1
50°	441.8	441.2	447.6	455.3	472.3	491.6	523.8	572.5	652.1	778.7	962.1
52.5°	400.5	402.8	407.3	416.8	429.1	444.7	473.6	508.7	577.1	686.4	839.3
55°	345.7	347.5	353.9	359.2	368.0	383.7	401.9	431.3	478.1	554.3	680.3
57.5°	299.3	298.5	304.7	306.0	315.9	328.8	342.9	365.7	399.6	456.2	541.1
60°	268.4	266.6	271.9	276.0	281.3	291.8	303.5	325.8	352.8	394.3	467.0
62.5°	240.2	239.4	243.3	247.4	251.8	261.3	271.2	288.3	309.6	344.7	402.3
65°	199.2	201.0	202.8	204.5	206.8	212.7	222.1	233.8	248.4	273.0	314.6
67.5°	156.5	158.3	158.9	162.6	167.6	171.3	176.9	187.4	197.6	218.3	242.0
70°	126.6	126.0	126.6	128.3	134.7	141.2	148.9	156.4	162.9	177.5	197.4
72.5°	108.7	107.7	109.3	109.6	112.7	114.5	119.3	126.5	134.7	144.7	159.0
75°	84.4	84.4	84.4	84.4	86.7	87.9	89.6	91.4	94.4	99.0	109.6
77.5°	62.3	62.4	63.3	63.9	64.3	65.0	66.1	67.8	68.9	71.4	75.9
80°	49.2	49.8	49.2	49.8	49.8	51.0	51.6	53.3	53.9	56.8	58.6
82.5°	37.0	36.7	37.0	37.6	37.6	38.8	38.9	40.2	40.3	41.8	43.6
85°	19.9	18.8	19.9	19.4	20.5	19.4	19.9	21.1	21.1	21.7	24.0
87.5°	8.7	9.6	8.6	9.0	9.0	9.3	9.2	9.1	9.9	9.3	9.4
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°	27.2	27.4	27.6	27.7	27.9	27.7	27.3	26.8	26.3	25.8	24.7
95°	52.5	52.5	52.5	52.5	52.5	52.2	51.6	51.0	50.5	49.9	48.6
97.5°	80.8	80.8	80.9	80.9	81.0	80.7	80.0	79.3	78.6	77.9	77.1
100°	102.3	102.0	101.7	101.4	101.2	100.7	100.3	99.9	99.4	98.9	98.2
102.5°	124.4	124.5	124.5	124.6	124.7	124.4	124.0	123.6	123.1	122.7	121.7
105°	160.2	159.9	159.6	159.3	159.0	158.9	158.9	158.9	158.9	158.9	157.6
107.5°	197.5	197.7	197.9	198.0	198.2	198.1	197.6	197.1	196.7	196.1	195.6
110°	222.8	223.1	223.4	223.7	224.0	223.9	223.3	222.7	222.1	221.4	221.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	249.8	249.8	249.9	249.9	249.9	249.7	248.9	248.2	247.5	246.8	246.8
115°	286.8	286.9	287.1	287.2	287.4	287.4	287.2	287.1	286.9	286.8	287.1
117.5°	324.3	324.8	325.2	325.6	326.0	326.2	326.2	326.3	326.3	326.3	326.7
120°	350.7	351.0	351.3	351.6	351.9	352.1	352.3	352.4	352.6	352.8	353.5
122.5°	376.0	376.4	376.9	377.3	377.7	378.2	378.5	378.9	379.3	379.7	380.0
125°	414.0	414.6	415.2	415.8	416.4	417.0	417.6	418.2	418.8	419.4	419.7
127.5°	451.9	452.5	453.2	453.9	454.6	455.4	456.2	457.0	457.9	458.7	459.0
130°	476.6	477.7	478.7	479.7	480.8	481.6	482.2	482.8	483.4	484.0	484.5
132.5°	502.5	503.3	504.0	504.9	505.7	506.4	507.1	507.9	508.6	509.3	509.6
135°	542.6	542.9	543.2	543.5	543.8	544.2	544.8	545.4	546.0	546.6	546.7
137.5°	578.0	578.6	579.1	579.7	580.2	580.8	581.5	582.1	582.7	583.3	583.0
140°	601.2	602.2	603.2	604.2	605.4	605.9	606.1	606.2	606.4	606.5	606.4
142.5°	624.8	625.6	626.5	627.2	628.1	628.5	628.7	628.9	629.0	629.1	628.9
145°	659.0	659.6	660.2	660.8	661.4	661.8	661.9	662.1	662.3	662.4	661.9
147.5°	689.5	690.3	691.2	692.2	693.0	693.5	693.5	693.5	693.5	693.5	693.1
150°	708.9	709.7	710.7	711.5	712.5	712.9	712.9	712.9	712.9	712.9	712.6
152.5°	727.7	728.5	729.3	730.0	730.8	731.1	730.8	730.6	730.4	730.1	730.0
155°	753.3	754.3	755.4	756.4	757.4	757.7	757.1	756.5	755.9	755.3	755.2
157.5°	776.5	777.4	778.3	779.1	779.9	780.0	779.4	778.8	778.2	777.5	777.4
160°	791.6	792.2	792.8	793.4	794.0	793.9	793.2	792.5	791.7	791.0	791.0
162.5°	803.0	803.9	804.9	805.8	806.8	806.9	806.2	805.4	804.6	803.9	803.7
165°	819.2	820.3	821.3	822.4	823.5	823.5	822.6	821.7	820.8	819.9	819.9
167.5°	833.1	834.1	835.0	835.9	836.8	836.8	835.9	835.0	834.1	833.1	833.0
170°	840.1	841.2	842.2	843.3	844.3	844.3	843.3	842.2	841.2	840.1	840.1
172.5°	845.5	846.5	847.6	848.6	849.7	849.7	848.9	847.9	847.0	846.0	846.0
175°	851.5	852.6	853.7	854.7	855.7	855.8	854.9	854.0	853.2	852.2	852.2
177.5°	854.8	855.7	856.4	857.3	858.2	858.2	857.5	856.8	856.0	855.3	855.3
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1413.2	1411.9	1405.3	1397.8	1387.9	1381.4	1376.2	1373.5	1365.0	1354.7	1347.6
5°	1500.6	1483.0	1464.3	1441.4	1420.3	1398.6	1385.2	1369.3	1350.0	1328.4	1313.1
7.5°	1594.1	1559.6	1522.5	1484.2	1446.3	1412.4	1382.3	1356.7	1325.9	1294.8	1273.0
10°	1665.9	1615.4	1563.3	1509.9	1461.3	1415.7	1380.4	1345.9	1309.0	1273.2	1246.3
12.5°	1731.0	1664.7	1604.6	1539.0	1476.8	1422.2	1371.6	1330.9	1286.5	1248.4	1217.7
15°	1813.4	1745.5	1672.8	1573.2	1490.6	1421.5	1359.9	1306.7	1252.8	1205.8	1176.0
17.5°	1890.6	1788.3	1690.7	1607.6	1500.2	1413.8	1338.8	1275.0	1215.8	1166.1	1129.4
20°	1922.4	1823.4	1717.4	1611.4	1505.9	1409.2	1321.9	1251.5	1190.1	1133.8	1099.8
22.5°	1941.6	1829.5	1717.9	1603.9	1491.8	1391.4	1305.0	1227.7	1161.0	1107.5	1065.6
25°	1964.0	1830.5	1707.4	1594.9	1480.7	1371.7	1269.1	1187.1	1115.1	1058.2	1013.7
27.5°	1978.8	1821.7	1676.3	1551.2	1435.3	1326.8	1232.8	1145.8	1072.7	1012.6	964.8
30°	1981.7	1814.6	1652.3	1517.0	1399.2	1299.6	1200.0	1116.8	1039.5	975.6	931.1
32.5°	1985.4	1797.3	1620.0	1476.2	1355.6	1257.0	1166.7	1087.3	1008.1	945.1	899.7
35°	1970.0	1787.7	1570.9	1405.7	1285.0	1189.5	1108.0	1034.7	956.8	895.9	849.6
37.5°	1903.3	1749.6	1520.0	1326.2	1200.0	1111.6	1045.2	981.4	909.8	844.1	800.5
40°	1836.3	1712.1	1480.7	1277.9	1146.1	1055.2	995.5	943.4	874.3	812.7	765.9
42.5°	1736.5	1661.0	1443.2	1227.3	1085.1	997.6	947.2	898.4	837.7	775.2	731.2
45°	1553.3	1563.3	1366.4	1146.7	1000.7	912.9	865.4	831.5	777.6	726.0	680.9
47.5°	1323.6	1416.8	1276.3	1060.8	911.8	829.3	787.8	758.2	721.9	671.2	630.1
50°	1173.6	1306.7	1204.1	1003.2	856.1	774.0	733.0	708.9	677.3	637.5	598.2
52.5°	1035.4	1178.2	1116.9	938.9	795.6	720.6	680.5	660.7	635.6	598.1	562.6
55°	844.3	989.0	975.0	842.0	704.9	637.5	607.0	584.8	567.7	539.7	511.5
57.5°	682.9	820.2	827.4	734.2	625.0	558.4	532.2	515.4	504.3	483.0	457.0
60°	581.3	707.2	731.8	661.5	567.7	509.2	483.4	469.9	461.2	444.1	424.2
62.5°	496.9	604.1	632.0	581.3	512.9	458.1	437.9	424.9	419.0	404.3	386.8
65°	380.3	469.3	496.3	468.1	432.4	388.5	372.0	360.9	355.7	347.5	334.6
67.5°	285.9	350.9	380.4	360.6	347.7	319.9	309.5	303.5	298.9	293.2	282.4
70°	229.7	277.8	308.2	302.9	292.4	277.8	270.1	266.0	261.3	256.7	247.3
72.5°	184.7	217.7	246.3	249.0	240.4	237.5	230.7	229.0	226.2	220.6	215.4
75°	122.4	145.3	165.2	172.9	176.3	179.3	176.3	175.8	175.2	170.5	167.6
77.5°	80.2	92.6	105.1	118.1	123.6	127.6	128.5	130.7	129.2	126.7	125.3
80°	61.6	64.5	73.3	84.4	93.2	96.7	99.0	100.2	99.6	99.0	96.7
82.5°	44.7	47.1	51.2	59.1	66.5	72.3	73.7	73.4	74.7	75.1	73.3
85°	24.0	24.6	25.7	26.9	31.1	37.5	39.3	40.5	41.6	41.6	38.1
87.5°	10.0	9.1	9.6	9.3	10.4	10.6	13.1	15.2	15.9	14.3	14.6
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°	23.7	22.6	21.4	20.3	19.4	18.3	17.3	16.3	17.3	18.3	19.4
95°	47.4	46.2	45.0	43.9	42.9	41.8	40.7	39.7	40.7	41.8	42.9
97.5°	76.2	75.3	74.5	73.7	72.8	72.1	71.3	70.5	71.3	72.1	72.8
100°	97.5	96.7	96.0	95.1	94.3	93.3	92.5	91.5	92.5	93.3	94.3
102.5°	120.7	119.7	118.7	118.0	117.4	116.8	116.3	115.8	116.3	116.8	117.4
105°	156.2	154.8	153.5	152.7	152.4	152.1	151.8	151.4	151.8	152.1	152.4
107.5°	195.1	194.6	194.0	193.6	193.5	193.3	193.1	193.0	193.1	193.3	193.5
110°	220.8	220.6	220.2	220.0	219.6	219.4	219.0	218.8	219.0	219.4	219.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.7	246.6	246.5	246.4	246.2	246.1	245.9	245.7	245.9	246.1	246.2
115°	287.4	287.7	288.0	287.9	287.4	287.0	286.5	286.1	286.5	287.0	287.4
117.5°	327.1	327.5	327.9	328.0	327.6	327.4	327.1	326.7	327.1	327.4	327.6
120°	354.2	355.0	355.8	355.7	354.7	353.9	352.9	352.1	352.9	353.9	354.7
122.5°	380.5	380.8	381.3	381.1	380.4	379.8	379.1	378.5	379.1	379.8	380.4
125°	420.0	420.3	420.6	420.5	420.1	419.6	419.1	418.7	419.1	419.6	420.1
127.5°	459.3	459.7	460.0	459.7	458.7	457.8	456.8	455.9	456.8	457.8	458.7
130°	484.9	485.3	485.8	485.4	484.2	483.0	481.8	480.6	481.8	483.0	484.2
132.5°	510.0	510.3	510.7	510.2	509.0	507.8	506.6	505.4	506.6	507.8	509.0
135°	546.9	547.1	547.3	546.8	546.0	545.0	544.2	543.2	544.2	545.0	546.0
137.5°	582.6	582.2	581.8	581.3	580.5	579.7	579.0	578.2	579.0	579.7	580.5
140°	606.2	606.1	605.9	605.5	604.8	604.0	603.2	602.4	603.2	604.0	604.8
142.5°	628.6	628.4	628.1	627.6	626.8	626.0	625.3	624.6	625.3	626.0	626.8
145°	661.5	661.1	660.6	660.2	660.0	659.6	659.4	659.0	659.4	659.6	660.0
147.5°	692.7	692.2	691.8	691.4	690.8	690.3	689.7	689.2	689.7	690.3	690.8
150°	712.3	712.0	711.7	711.4	711.1	710.8	710.5	710.2	710.5	710.8	711.1
152.5°	729.8	729.6	729.4	729.1	728.7	728.2	727.8	727.5	727.8	728.2	728.7
155°	755.0	754.8	754.7	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
157.5°	777.3	777.1	777.1	777.1	777.2	777.4	777.6	777.7	777.6	777.4	777.2
160°	791.0	791.0	791.0	791.1	791.4	791.7	792.0	792.3	792.0	791.7	791.4
162.5°	803.7	803.6	803.4	803.6	804.0	804.4	804.9	805.2	804.9	804.4	804.0
165°	819.9	819.9	819.9	820.1	820.6	821.0	821.5	821.9	821.5	821.0	820.6
167.5°	832.8	832.8	832.7	832.8	833.4	834.1	834.7	835.3	834.7	834.1	833.4
170°	840.1	840.1	840.1	840.4	841.0	841.6	842.2	842.8	842.2	841.6	841.0
172.5°	846.0	846.0	846.0	846.4	847.0	847.6	848.2	848.7	848.2	847.6	847.0
175°	852.2	852.2	852.2	852.6	853.2	853.8	854.3	854.9	854.3	853.8	853.2
177.5°	855.3	855.3	855.3	855.6	856.0	856.5	857.0	857.5	857.0	856.5	856.0
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332343-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1345.3	1339.2	1335.0	1325.6	1319.6	1312.9	1306.4	1310.6	1310.2	1309.7	1309.7
5°	1300.2	1286.7	1274.5	1258.6	1248.6	1236.3	1226.9	1225.8	1228.1	1220.0	1215.2
7.5°	1255.4	1237.0	1219.6	1202.1	1183.6	1168.8	1159.6	1155.2	1149.3	1144.2	1138.9
10°	1224.0	1202.4	1185.3	1163.6	1143.8	1126.2	1115.1	1107.4	1103.3	1099.2	1091.6
12.5°	1191.7	1170.4	1148.8	1124.3	1105.4	1084.9	1076.6	1068.1	1060.2	1055.6	1045.2
15°	1144.4	1116.8	1094.0	1068.2	1047.1	1027.2	1015.5	998.4	996.1	990.2	979.7
17.5°	1096.9	1067.0	1035.4	1016.4	992.6	971.8	954.0	948.3	931.5	925.2	916.0
20°	1059.4	1031.8	1007.8	982.7	948.0	928.7	914.6	907.1	893.5	885.4	879.5
22.5°	1027.0	999.0	971.3	941.8	913.3	891.7	881.4	869.5	862.1	850.7	844.3
25°	980.9	950.4	917.0	885.4	864.9	848.4	832.1	821.5	811.0	805.6	793.9
27.5°	927.2	895.4	864.1	840.1	814.9	798.7	783.9	774.5	761.8	752.9	746.5
30°	897.7	860.1	833.2	811.5	779.3	764.1	752.9	741.2	731.8	722.5	716.0
32.5°	863.4	829.2	803.7	776.9	752.1	735.5	721.1	710.8	702.7	693.9	687.4
35°	809.8	781.1	754.7	727.7	709.6	692.6	675.6	666.8	659.2	651.0	645.1
37.5°	761.2	734.4	709.4	683.8	661.2	647.5	633.8	627.1	616.7	611.2	605.3
40°	731.2	704.9	678.0	653.3	629.9	619.3	607.0	597.1	587.7	583.6	577.1
42.5°	698.4	672.1	649.4	622.8	603.6	589.4	578.0	567.1	560.1	554.1	550.4
45°	649.8	626.4	604.1	577.7	559.6	547.3	534.3	524.4	518.0	513.8	507.4
47.5°	602.6	579.1	556.6	533.6	516.0	501.9	489.0	482.1	473.6	468.6	464.2
50°	568.3	547.3	523.2	502.1	484.6	470.5	459.9	451.2	443.6	437.1	434.2
52.5°	536.9	514.4	493.7	474.1	455.5	439.5	430.0	420.7	415.0	407.6	404.2
55°	485.2	463.5	445.9	426.5	408.4	394.9	383.2	375.0	369.1	360.9	356.3
57.5°	436.5	417.1	396.1	379.4	360.6	349.2	339.5	328.4	321.2	314.8	310.2
60°	403.7	381.4	363.3	347.5	331.1	316.4	307.6	298.9	291.2	284.7	280.7
62.5°	369.5	350.1	332.8	315.6	300.6	287.8	277.6	270.3	263.6	259.4	255.4
65°	317.0	301.8	284.2	270.1	256.1	246.7	238.5	232.0	227.3	224.4	220.9
67.5°	268.7	253.9	238.6	224.8	215.4	208.3	202.9	197.3	195.0	191.2	188.9
70°	237.3	222.1	208.6	198.0	188.6	183.4	179.9	175.8	173.4	168.8	166.4
72.5°	203.1	192.1	182.4	173.7	166.2	161.4	156.9	151.9	148.1	142.9	140.6
75°	160.0	150.0	142.4	136.6	131.8	125.4	118.9	113.7	111.9	110.1	109.6
77.5°	118.5	112.2	106.7	101.7	95.8	91.2	89.8	88.6	88.3	87.3	87.3
80°	93.2	87.3	83.2	77.3	73.8	73.8	73.8	72.7	73.3	73.3	73.3
82.5°	69.2	63.9	61.6	59.5	58.8	59.3	59.3	59.5	59.2	60.1	59.7
85°	35.7	36.3	37.5	36.9	37.5	37.5	38.7	38.1	38.7	37.5	38.7
87.5°	14.5	16.2	17.0	17.9	18.8	18.7	19.3	19.4	20.0	20.1	20.2
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°	20.3	21.4	22.6	23.7	24.7	25.8	26.3	26.8	27.3	27.7	27.9
95°	43.9	45.0	46.2	47.4	48.6	49.9	50.5	51.0	51.6	52.2	52.5
97.5°	73.7	74.5	75.3	76.2	77.1	77.9	78.6	79.3	80.0	80.7	81.0
100°	95.1	96.0	96.7	97.5	98.2	98.9	99.4	99.9	100.3	100.7	101.2
102.5°	118.0	118.7	119.7	120.7	121.7	122.7	123.1	123.6	124.0	124.4	124.7
105°	152.7	153.5	154.8	156.2	157.6	158.9	158.9	158.9	158.9	158.9	159.0
107.5°	193.6	194.0	194.6	195.1	195.6	196.1	196.7	197.1	197.6	198.1	198.2
110°	220.0	220.2	220.6	220.8	221.2	221.4	222.1	222.7	223.3	223.9	224.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	246.4	246.5	246.6	246.7	246.8	246.8	247.5	248.2	248.9	249.7	249.9
115°	287.9	288.0	287.7	287.4	287.1	286.8	286.9	287.1	287.2	287.4	287.4
117.5°	328.0	327.9	327.5	327.1	326.7	326.3	326.3	326.3	326.2	326.2	326.0
120°	355.7	355.8	355.0	354.2	353.5	352.8	352.6	352.4	352.3	352.1	351.9
122.5°	381.1	381.3	380.8	380.5	380.0	379.7	379.3	378.9	378.5	378.2	377.7
125°	420.5	420.6	420.3	420.0	419.7	419.4	418.8	418.2	417.6	417.0	416.4
127.5°	459.7	460.0	459.7	459.3	459.0	458.7	457.9	457.0	456.2	455.4	454.6
130°	485.4	485.8	485.3	484.9	484.5	484.0	483.4	482.8	482.2	481.6	480.8
132.5°	510.2	510.7	510.3	510.0	509.6	509.3	508.6	507.9	507.1	506.4	505.7
135°	546.8	547.3	547.1	546.9	546.7	546.6	546.0	545.4	544.8	544.2	543.8
137.5°	581.3	581.8	582.2	582.6	583.0	583.3	582.7	582.1	581.5	580.8	580.2
140°	605.5	605.9	606.1	606.2	606.4	606.5	606.4	606.2	606.1	605.9	605.4
142.5°	627.6	628.1	628.4	628.6	628.9	629.1	629.0	628.9	628.7	628.5	628.1
145°	660.2	660.6	661.1	661.5	661.9	662.4	662.3	662.1	661.9	661.8	661.4
147.5°	691.4	691.8	692.2	692.7	693.1	693.5	693.5	693.5	693.5	693.5	693.0
150°	711.4	711.7	712.0	712.3	712.6	712.9	712.9	712.9	712.9	712.9	712.5
152.5°	729.1	729.4	729.6	729.8	730.0	730.1	730.4	730.6	730.8	731.1	730.8
155°	754.6	754.7	754.8	755.0	755.2	755.3	755.9	756.5	757.1	757.7	757.4
157.5°	777.1	777.1	777.1	777.3	777.4	777.5	778.2	778.8	779.4	780.0	779.9
160°	791.1	791.0	791.0	791.0	791.0	791.0	791.7	792.5	793.2	793.9	794.0
162.5°	803.6	803.4	803.6	803.7	803.7	803.9	804.6	805.4	806.2	806.9	806.8
165°	820.1	819.9	819.9	819.9	819.9	819.9	820.8	821.7	822.6	823.5	823.5
167.5°	832.8	832.7	832.8	832.8	833.0	833.1	834.1	835.0	835.9	836.8	836.8
170°	840.4	840.1	840.1	840.1	840.1	840.1	841.2	842.2	843.3	844.3	844.3
172.5°	846.4	846.0	846.0	846.0	846.0	846.0	847.0	847.9	848.9	849.7	849.7
175°	852.6	852.2	852.2	852.2	852.2	852.2	853.2	854.0	854.9	855.8	855.7
177.5°	855.6	855.3	855.3	855.3	855.3	855.3	856.0	856.8	857.5	858.2	858.2
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332343-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1304.1	1303.6	1304.1	1302.2	1304.1	1303.6	1304.1	1309.7	1309.7	1310.2	1310.6
5°	1213.5	1212.9	1211.2	1205.8	1211.2	1212.9	1213.5	1215.2	1220.0	1228.1	1225.8
7.5°	1134.4	1133.6	1128.4	1128.5	1128.4	1133.6	1134.4	1138.9	1144.2	1149.3	1155.2
10°	1087.5	1088.0	1081.1	1076.9	1081.1	1088.0	1087.5	1091.6	1099.2	1103.3	1107.4
12.5°	1042.1	1039.3	1033.7	1029.2	1033.7	1039.3	1042.1	1045.2	1055.6	1060.2	1068.1
15°	982.1	976.2	962.1	963.3	962.1	976.2	982.1	979.7	990.2	996.1	998.4
17.5°	911.4	907.1	906.8	898.6	906.8	907.1	911.4	916.0	925.2	931.5	948.3
20°	870.1	867.2	868.3	860.1	868.3	867.2	870.1	879.5	885.4	893.5	907.1
22.5°	837.8	834.8	829.9	827.3	829.9	834.8	837.8	844.3	850.7	862.1	869.5
25°	790.4	785.7	781.1	784.0	781.1	785.7	790.4	793.9	805.6	811.0	821.5
27.5°	743.1	739.6	734.9	734.3	734.9	739.6	743.1	746.5	752.9	761.8	774.5
30°	713.1	709.6	707.2	704.3	707.2	709.6	713.1	716.0	722.5	731.8	741.2
32.5°	682.6	681.9	677.7	677.1	677.7	681.9	682.6	687.4	693.9	702.7	710.8
35°	642.7	639.3	638.1	638.7	638.1	639.3	642.7	645.1	651.0	659.2	666.8
37.5°	604.9	600.2	598.1	596.0	598.1	600.2	604.9	605.3	611.2	616.7	627.1
40°	577.7	573.1	571.9	570.7	571.9	573.1	577.7	577.1	583.6	587.7	597.1
42.5°	547.3	545.4	544.7	542.6	544.7	545.4	547.3	550.4	554.1	560.1	567.1
45°	505.7	505.1	501.5	502.7	501.5	505.1	505.7	507.4	513.8	518.0	524.4
47.5°	461.8	459.3	456.8	458.4	456.8	459.3	461.8	464.2	468.6	473.6	482.1
50°	431.9	430.7	425.4	426.5	425.4	430.7	431.9	434.2	437.1	443.6	451.2
52.5°	401.8	397.4	395.4	394.7	395.4	397.4	401.8	404.2	407.6	415.0	420.7
55°	352.1	346.9	344.6	343.4	344.6	346.9	352.1	356.3	360.9	369.1	375.0
57.5°	303.4	302.0	300.1	301.4	300.1	302.0	303.4	310.2	314.8	321.2	328.4
60°	274.8	274.8	274.8	274.2	274.8	274.8	274.8	280.7	284.7	291.2	298.9
62.5°	252.8	251.3	250.9	251.8	250.9	251.3	252.8	255.4	259.4	263.6	270.3
65°	219.1	218.5	216.2	215.6	216.2	218.5	219.1	220.9	224.4	227.3	232.0
67.5°	187.4	185.3	184.6	183.7	184.6	185.3	187.4	188.9	191.2	195.0	197.3
70°	163.5	162.3	158.8	159.4	158.8	162.3	163.5	166.4	168.8	173.4	175.8
72.5°	137.7	136.6	135.8	135.0	135.8	136.6	137.7	140.6	142.9	148.1	151.9
75°	109.0	108.4	107.8	110.1	107.8	108.4	109.0	109.6	110.1	111.9	113.7
77.5°	87.3	87.3	87.6	86.7	87.6	87.3	87.3	87.3	87.3	88.3	88.6
80°	73.3	73.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	72.7
82.5°	58.7	59.2	59.5	58.6	59.5	59.2	58.7	59.7	60.1	59.2	59.5
85°	38.7	38.1	39.3	38.7	39.3	38.1	38.7	38.7	37.5	38.7	38.1
87.5°	21.2	20.3	20.4	20.9	20.4	20.3	21.2	20.2	20.1	20.0	19.4
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°	27.7	27.6	27.4	27.2	27.4	27.6	27.7	27.9	27.7	27.3	26.8
95°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.2	51.6	51.0
97.5°	80.9	80.9	80.8	80.8	80.8	80.9	80.9	81.0	80.7	80.0	79.3
100°	101.4	101.7	102.0	102.3	102.0	101.7	101.4	101.2	100.7	100.3	99.9
102.5°	124.6	124.5	124.5	124.4	124.5	124.5	124.6	124.7	124.4	124.0	123.6
105°	159.3	159.6	159.9	160.2	159.9	159.6	159.3	159.0	158.9	158.9	158.9
107.5°	198.0	197.9	197.7	197.5	197.7	197.9	198.0	198.2	198.1	197.6	197.1
110°	223.7	223.4	223.1	222.8	223.1	223.4	223.7	224.0	223.9	223.3	222.7



TEST NUMBER: P332343-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	249.9	249.9	249.8	249.8	249.8	249.9	249.9	249.9	249.7	248.9	248.2
115°	287.2	287.1	286.9	286.8	286.9	287.1	287.2	287.4	287.4	287.2	287.1
117.5°	325.6	325.2	324.8	324.3	324.8	325.2	325.6	326.0	326.2	326.2	326.3
120°	351.6	351.3	351.0	350.7	351.0	351.3	351.6	351.9	352.1	352.3	352.4
122.5°	377.3	376.9	376.4	376.0	376.4	376.9	377.3	377.7	378.2	378.5	378.9
125°	415.8	415.2	414.6	414.0	414.6	415.2	415.8	416.4	417.0	417.6	418.2
127.5°	453.9	453.2	452.5	451.9	452.5	453.2	453.9	454.6	455.4	456.2	457.0
130°	479.7	478.7	477.7	476.6	477.7	478.7	479.7	480.8	481.6	482.2	482.8
132.5°	504.9	504.0	503.3	502.5	503.3	504.0	504.9	505.7	506.4	507.1	507.9
135°	543.5	543.2	542.9	542.6	542.9	543.2	543.5	543.8	544.2	544.8	545.4
137.5°	579.7	579.1	578.6	578.0	578.6	579.1	579.7	580.2	580.8	581.5	582.1
140°	604.2	603.2	602.2	601.2	602.2	603.2	604.2	605.4	605.9	606.1	606.2
142.5°	627.2	626.5	625.6	624.8	625.6	626.5	627.2	628.1	628.5	628.7	628.9
145°	660.8	660.2	659.6	659.0	659.6	660.2	660.8	661.4	661.8	661.9	662.1
147.5°	692.2	691.2	690.3	689.5	690.3	691.2	692.2	693.0	693.5	693.5	693.5
150°	711.5	710.7	709.7	708.9	709.7	710.7	711.5	712.5	712.9	712.9	712.9
152.5°	730.0	729.3	728.5	727.7	728.5	729.3	730.0	730.8	731.1	730.8	730.6
155°	756.4	755.4	754.3	753.3	754.3	755.4	756.4	757.4	757.7	757.1	756.5
157.5°	779.1	778.3	777.4	776.5	777.4	778.3	779.1	779.9	780.0	779.4	778.8
160°	793.4	792.8	792.2	791.6	792.2	792.8	793.4	794.0	793.9	793.2	792.5
162.5°	805.8	804.9	803.9	803.0	803.9	804.9	805.8	806.8	806.9	806.2	805.4
165°	822.4	821.3	820.3	819.2	820.3	821.3	822.4	823.5	823.5	822.6	821.7
167.5°	835.9	835.0	834.1	833.1	834.1	835.0	835.9	836.8	836.8	835.9	835.0
170°	843.3	842.2	841.2	840.1	841.2	842.2	843.3	844.3	844.3	843.3	842.2
172.5°	848.6	847.6	846.5	845.5	846.5	847.6	848.6	849.7	849.7	848.9	847.9
175°	854.7	853.7	852.6	851.5	852.6	853.7	854.7	855.7	855.8	854.9	854.0
177.5°	857.3	856.4	855.7	854.8	855.7	856.4	857.3	858.2	858.2	857.5	856.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332343-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1306.4	1312.9	1319.6	1325.6	1335.0	1339.2	1345.3	1347.6	1354.7	1365.0	1373.5
5°	1226.9	1236.3	1248.6	1258.6	1274.5	1286.7	1300.2	1313.1	1328.4	1350.0	1369.3
7.5°	1159.6	1168.8	1183.6	1202.1	1219.6	1237.0	1255.4	1273.0	1294.8	1325.9	1356.7
10°	1115.1	1126.2	1143.8	1163.6	1185.3	1202.4	1224.0	1246.3	1273.2	1309.0	1345.9
12.5°	1076.6	1084.9	1105.4	1124.3	1148.8	1170.4	1191.7	1217.7	1248.4	1286.5	1330.9
15°	1015.5	1027.2	1047.1	1068.2	1094.0	1116.8	1144.4	1176.0	1205.8	1252.8	1306.7
17.5°	954.0	971.8	992.6	1016.4	1035.4	1067.0	1096.9	1129.4	1166.1	1215.8	1275.0
20°	914.6	928.7	948.0	982.7	1007.8	1031.8	1059.4	1099.8	1133.8	1190.1	1251.5
22.5°	881.4	891.7	913.3	941.8	971.3	999.0	1027.0	1065.6	1107.5	1161.0	1227.7
25°	832.1	848.4	864.9	885.4	917.0	950.4	980.9	1013.7	1058.2	1115.1	1187.1
27.5°	783.9	798.7	814.9	840.1	864.1	895.4	927.2	964.8	1012.6	1072.7	1145.8
30°	752.9	764.1	779.3	811.5	833.2	860.1	897.7	931.1	975.6	1039.5	1116.8
32.5°	721.1	735.5	752.1	776.9	803.7	829.2	863.4	899.7	945.1	1008.1	1087.3
35°	675.6	692.6	709.6	727.7	754.7	781.1	809.8	849.6	895.9	956.8	1034.7
37.5°	633.8	647.5	661.2	683.8	709.4	734.4	761.2	800.5	844.1	909.8	981.4
40°	607.0	619.3	629.9	653.3	678.0	704.9	731.2	765.9	812.7	874.3	943.4
42.5°	578.0	589.4	603.6	622.8	649.4	672.1	698.4	731.2	775.2	837.7	898.4
45°	534.3	547.3	559.6	577.7	604.1	626.4	649.8	680.9	726.0	777.6	831.5
47.5°	489.0	501.9	516.0	533.6	556.6	579.1	602.6	630.1	671.2	721.9	758.2
50°	459.9	470.5	484.6	502.1	523.2	547.3	568.3	598.2	637.5	677.3	708.9
52.5°	430.0	439.5	455.5	474.1	493.7	514.4	536.9	562.6	598.1	635.6	660.7
55°	383.2	394.9	408.4	426.5	445.9	463.5	485.2	511.5	539.7	567.7	584.8
57.5°	339.5	349.2	360.6	379.4	396.1	417.1	436.5	457.0	483.0	504.3	515.4
60°	307.6	316.4	331.1	347.5	363.3	381.4	403.7	424.2	444.1	461.2	469.9
62.5°	277.6	287.8	300.6	315.6	332.8	350.1	369.5	386.8	404.3	419.0	424.9
65°	238.5	246.7	256.1	270.1	284.2	301.8	317.0	334.6	347.5	355.7	360.9
67.5°	202.9	208.3	215.4	224.8	238.6	253.9	268.7	282.4	293.2	298.9	303.5
70°	179.9	183.4	188.6	198.0	208.6	222.1	237.3	247.3	256.7	261.3	266.0
72.5°	156.9	161.4	166.2	173.7	182.4	192.1	203.1	215.4	220.6	226.2	229.0
75°	118.9	125.4	131.8	136.6	142.4	150.0	160.0	167.6	170.5	175.2	175.8
77.5°	89.8	91.2	95.8	101.7	106.7	112.2	118.5	125.3	126.7	129.2	130.7
80°	73.8	73.8	73.8	77.3	83.2	87.3	93.2	96.7	99.0	99.6	100.2
82.5°	59.3	59.3	58.8	59.5	61.6	63.9	69.2	73.3	75.1	74.7	73.4
85°	38.7	37.5	37.5	36.9	37.5	36.3	35.7	38.1	41.6	41.6	40.5
87.5°	19.3	18.7	18.8	17.9	17.0	16.2	14.5	14.6	14.3	15.9	15.2
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°	26.3	25.8	24.7	23.7	22.6	21.4	20.3	19.4	18.3	17.3	16.3
95°	50.5	49.9	48.6	47.4	46.2	45.0	43.9	42.9	41.8	40.7	39.7
97.5°	78.6	77.9	77.1	76.2	75.3	74.5	73.7	72.8	72.1	71.3	70.5
100°	99.4	98.9	98.2	97.5	96.7	96.0	95.1	94.3	93.3	92.5	91.5
102.5°	123.1	122.7	121.7	120.7	119.7	118.7	118.0	117.4	116.8	116.3	115.8
105°	158.9	158.9	157.6	156.2	154.8	153.5	152.7	152.4	152.1	151.8	151.4
107.5°	196.7	196.1	195.6	195.1	194.6	194.0	193.6	193.5	193.3	193.1	193.0
110°	222.1	221.4	221.2	220.8	220.6	220.2	220.0	219.6	219.4	219.0	218.8



TEST NUMBER: P332343-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	247.5	246.8	246.8	246.7	246.6	246.5	246.4	246.2	246.1	245.9	245.7
115°	286.9	286.8	287.1	287.4	287.7	288.0	287.9	287.4	287.0	286.5	286.1
117.5°	326.3	326.3	326.7	327.1	327.5	327.9	328.0	327.6	327.4	327.1	326.7
120°	352.6	352.8	353.5	354.2	355.0	355.8	355.7	354.7	353.9	352.9	352.1
122.5°	379.3	379.7	380.0	380.5	380.8	381.3	381.1	380.4	379.8	379.1	378.5
125°	418.8	419.4	419.7	420.0	420.3	420.6	420.5	420.1	419.6	419.1	418.7
127.5°	457.9	458.7	459.0	459.3	459.7	460.0	459.7	458.7	457.8	456.8	455.9
130°	483.4	484.0	484.5	484.9	485.3	485.8	485.4	484.2	483.0	481.8	480.6
132.5°	508.6	509.3	509.6	510.0	510.3	510.7	510.2	509.0	507.8	506.6	505.4
135°	546.0	546.6	546.7	546.9	547.1	547.3	546.8	546.0	545.0	544.2	543.2
137.5°	582.7	583.3	583.0	582.6	582.2	581.8	581.3	580.5	579.7	579.0	578.2
140°	606.4	606.5	606.4	606.2	606.1	605.9	605.5	604.8	604.0	603.2	602.4
142.5°	629.0	629.1	628.9	628.6	628.4	628.1	627.6	626.8	626.0	625.3	624.6
145°	662.3	662.4	661.9	661.5	661.1	660.6	660.2	660.0	659.6	659.4	659.0
147.5°	693.5	693.5	693.1	692.7	692.2	691.8	691.4	690.8	690.3	689.7	689.2
150°	712.9	712.9	712.6	712.3	712.0	711.7	711.4	711.1	710.8	710.5	710.2
152.5°	730.4	730.1	730.0	729.8	729.6	729.4	729.1	728.7	728.2	727.8	727.5
155°	755.9	755.3	755.2	755.0	754.8	754.7	754.6	754.6	754.6	754.6	754.6
157.5°	778.2	777.5	777.4	777.3	777.1	777.1	777.1	777.2	777.4	777.6	777.7
160°	791.7	791.0	791.0	791.0	791.0	791.0	791.1	791.4	791.7	792.0	792.3
162.5°	804.6	803.9	803.7	803.7	803.6	803.4	803.6	804.0	804.4	804.9	805.2
165°	820.8	819.9	819.9	819.9	819.9	819.9	820.1	820.6	821.0	821.5	821.9
167.5°	834.1	833.1	833.0	832.8	832.8	832.7	832.8	833.4	834.1	834.7	835.3
170°	841.2	840.1	840.1	840.1	840.1	840.1	840.4	841.0	841.6	842.2	842.8
172.5°	847.0	846.0	846.0	846.0	846.0	846.0	846.4	847.0	847.6	848.2	848.7
175°	853.2	852.2	852.2	852.2	852.2	852.2	852.6	853.2	853.8	854.3	854.9
177.5°	856.0	855.3	855.3	855.3	855.3	855.3	855.6	856.0	856.5	857.0	857.5
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332343-935

CATALOG NUMBER: S123RDIP-S1000D805U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1376.2	1381.4	1387.9	1397.8	1405.3	1411.9	1413.2	1415.1	1419.9	1427.8	1433.9
5°	1385.2	1398.6	1420.3	1441.4	1464.3	1483.0	1500.6	1512.9	1524.6	1549.2	1569.2
7.5°	1382.3	1412.4	1446.3	1484.2	1522.5	1559.6	1594.1	1625.0	1655.6	1691.5	1732.4
10°	1380.4	1415.7	1461.3	1509.9	1563.3	1615.4	1665.9	1705.1	1750.8	1791.8	1843.9
12.5°	1371.6	1422.2	1476.8	1539.0	1604.6	1664.7	1731.0	1785.2	1837.5	1896.8	1957.4
15°	1359.9	1421.5	1490.6	1573.2	1672.8	1745.5	1813.4	1907.8	1972.3	2036.7	2123.5
17.5°	1338.8	1413.8	1500.2	1607.6	1690.7	1788.3	1890.6	1965.1	2051.9	2142.8	2221.3
20°	1321.9	1409.2	1505.9	1611.4	1717.4	1823.4	1922.4	2011.6	2101.2	2206.1	2270.5
22.5°	1305.0	1391.4	1491.8	1603.9	1717.9	1829.5	1941.6	2046.3	2147.1	2252.9	2335.2
25°	1269.1	1371.7	1480.7	1594.9	1707.4	1830.5	1964.0	2080.7	2205.5	2314.5	2392.4
27.5°	1232.8	1326.8	1435.3	1551.2	1676.3	1821.7	1978.8	2111.3	2236.4	2314.5	2339.0
30°	1200.0	1299.6	1399.2	1517.0	1652.3	1814.6	1981.7	2133.4	2235.9	2269.9	2244.7
32.5°	1166.7	1257.0	1355.6	1476.2	1620.0	1797.3	1985.4	2120.3	2182.0	2156.0	2053.5
35°	1108.0	1189.5	1285.0	1405.7	1570.9	1787.7	1970.0	2061.3	2046.1	1899.6	1706.2
37.5°	1045.2	1111.6	1200.0	1326.2	1520.0	1749.6	1903.3	1916.8	1785.0	1560.1	1336.8
40°	995.5	1055.2	1146.1	1277.9	1480.7	1712.1	1836.3	1781.8	1577.4	1327.1	1140.8
42.5°	947.2	997.6	1085.1	1227.3	1443.2	1661.0	1736.5	1617.8	1381.9	1145.3	975.9
45°	865.4	912.9	1000.7	1146.7	1366.4	1563.3	1553.3	1347.0	1110.9	920.5	779.9
47.5°	787.8	829.3	911.8	1060.8	1276.3	1416.8	1323.6	1104.1	903.9	751.1	650.7
50°	733.0	774.0	856.1	1003.2	1204.1	1306.7	1173.6	962.1	778.7	652.1	572.5
52.5°	680.5	720.6	795.6	938.9	1116.9	1178.2	1035.4	839.3	686.4	577.1	508.7
55°	607.0	637.5	704.9	842.0	975.0	989.0	844.3	680.3	554.3	478.1	431.3
57.5°	532.2	558.4	625.0	734.2	827.4	820.2	682.9	541.1	456.2	399.6	365.7
60°	483.4	509.2	567.7	661.5	731.8	707.2	581.3	467.0	394.3	352.8	325.8
62.5°	437.9	458.1	512.9	581.3	632.0	604.1	496.9	402.3	344.7	309.6	288.3
65°	372.0	388.5	432.4	468.1	496.3	469.3	380.3	314.6	273.0	248.4	233.8
67.5°	309.5	319.9	347.7	360.6	380.4	350.9	285.9	242.0	218.3	197.6	187.4
70°	270.1	277.8	292.4	302.9	308.2	277.8	229.7	197.4	177.5	162.9	156.4
72.5°	230.7	237.5	240.4	249.0	246.3	217.7	184.7	159.0	144.7	134.7	126.5
75°	176.3	179.3	176.3	172.9	165.2	145.3	122.4	109.6	99.0	94.4	91.4
77.5°	128.5	127.6	123.6	118.1	105.1	92.6	80.2	75.9	71.4	68.9	67.8
80°	99.0	96.7	93.2	84.4	73.3	64.5	61.6	58.6	56.8	53.9	53.3
82.5°	73.7	72.3	66.5	59.1	51.2	47.1	44.7	43.6	41.8	40.3	40.2
85°	39.3	37.5	31.1	26.9	25.7	24.6	24.0	24.0	21.7	21.1	21.1
87.5°	13.1	10.6	10.4	9.3	9.6	9.1	10.0	9.4	9.3	9.9	9.1
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°	17.3	18.3	19.4	20.3	21.4	22.6	23.7	24.7	25.8	26.3	26.8
95°	40.7	41.8	42.9	43.9	45.0	46.2	47.4	48.6	49.9	50.5	51.0
97.5°	71.3	72.1	72.8	73.7	74.5	75.3	76.2	77.1	77.9	78.6	79.3
100°	92.5	93.3	94.3	95.1	96.0	96.7	97.5	98.2	98.9	99.4	99.9
102.5°	116.3	116.8	117.4	118.0	118.7	119.7	120.7	121.7	122.7	123.1	123.6
105°	151.8	152.1	152.4	152.7	153.5	154.8	156.2	157.6	158.9	158.9	158.9
107.5°	193.1	193.3	193.5	193.6	194.0	194.6	195.1	195.6	196.1	196.7	197.1
110°	219.0	219.4	219.6	220.0	220.2	220.6	220.8	221.2	221.4	222.1	222.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	245.9	246.1	246.2	246.4	246.5	246.6	246.7	246.8	246.8	247.5	248.2
115°	286.5	287.0	287.4	287.9	288.0	287.7	287.4	287.1	286.8	286.9	287.1
117.5°	327.1	327.4	327.6	328.0	327.9	327.5	327.1	326.7	326.3	326.3	326.3
120°	352.9	353.9	354.7	355.7	355.8	355.0	354.2	353.5	352.8	352.6	352.4
122.5°	379.1	379.8	380.4	381.1	381.3	380.8	380.5	380.0	379.7	379.3	378.9
125°	419.1	419.6	420.1	420.5	420.6	420.3	420.0	419.7	419.4	418.8	418.2
127.5°	456.8	457.8	458.7	459.7	460.0	459.7	459.3	459.0	458.7	457.9	457.0
130°	481.8	483.0	484.2	485.4	485.8	485.3	484.9	484.5	484.0	483.4	482.8
132.5°	506.6	507.8	509.0	510.2	510.7	510.3	510.0	509.6	509.3	508.6	507.9
135°	544.2	545.0	546.0	546.8	547.3	547.1	546.9	546.7	546.6	546.0	545.4
137.5°	579.0	579.7	580.5	581.3	581.8	582.2	582.6	583.0	583.3	582.7	582.1
140°	603.2	604.0	604.8	605.5	605.9	606.1	606.2	606.4	606.5	606.4	606.2
142.5°	625.3	626.0	626.8	627.6	628.1	628.4	628.6	628.9	629.1	629.0	628.9
145°	659.4	659.6	660.0	660.2	660.6	661.1	661.5	661.9	662.4	662.3	662.1
147.5°	689.7	690.3	690.8	691.4	691.8	692.2	692.7	693.1	693.5	693.5	693.5
150°	710.5	710.8	711.1	711.4	711.7	712.0	712.3	712.6	712.9	712.9	712.9
152.5°	727.8	728.2	728.7	729.1	729.4	729.6	729.8	730.0	730.1	730.4	730.6
155°	754.6	754.6	754.6	754.6	754.7	754.8	755.0	755.2	755.3	755.9	756.5
157.5°	777.6	777.4	777.2	777.1	777.1	777.1	777.3	777.4	777.5	778.2	778.8
160°	792.0	791.7	791.4	791.1	791.0	791.0	791.0	791.0	791.0	791.7	792.5
162.5°	804.9	804.4	804.0	803.6	803.4	803.6	803.7	803.7	803.9	804.6	805.4
165°	821.5	821.0	820.6	820.1	819.9	819.9	819.9	819.9	819.9	820.8	821.7
167.5°	834.7	834.1	833.4	832.8	832.7	832.8	832.8	833.0	833.1	834.1	835.0
170°	842.2	841.6	841.0	840.4	840.1	840.1	840.1	840.1	840.1	841.2	842.2
172.5°	848.2	847.6	847.0	846.4	846.0	846.0	846.0	846.0	846.0	847.0	847.9
175°	854.3	853.8	853.2	852.6	852.2	852.2	852.2	852.2	852.2	853.2	854.0
177.5°	857.0	856.5	856.0	855.6	855.3	855.3	855.3	855.3	855.3	856.0	856.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1443.7	1443.7	1445.6	1452.7	1453.6	1459.7	1457.8
5°	1586.7	1597.8	1602.0	1619.5	1630.0	1634.8	1625.4
7.5°	1761.6	1792.9	1807.8	1826.3	1842.5	1847.4	1834.7
10°	1889.0	1921.8	1949.4	1966.4	1982.2	1992.8	2006.2
12.5°	2012.3	2052.6	2078.8	2102.8	2119.1	2132.4	2134.7
15°	2146.3	2207.3	2253.5	2287.5	2304.5	2313.2	2309.8
17.5°	2281.4	2337.9	2370.8	2405.5	2429.1	2430.3	2430.9
20°	2357.8	2412.9	2451.0	2476.8	2503.1	2502.0	2507.8
22.5°	2408.9	2452.3	2481.5	2500.2	2509.2	2504.7	2505.9
25°	2432.8	2445.7	2440.4	2410.5	2403.0	2375.4	2380.1
27.5°	2309.5	2248.6	2185.6	2104.5	2040.5	1989.3	1991.9
30°	2142.2	2034.4	1911.3	1808.2	1715.6	1689.9	1634.8
32.5°	1908.3	1746.5	1602.4	1506.3	1426.8	1405.3	1357.3
35°	1511.7	1354.7	1206.4	1117.4	1082.2	1033.0	1032.4
37.5°	1175.0	1036.7	958.4	891.6	856.5	826.7	823.8
40°	988.5	880.6	821.5	773.4	738.9	716.6	711.4
42.5°	858.2	770.9	715.6	685.8	659.2	647.7	639.1
45°	700.8	642.2	603.5	576.5	564.3	555.4	550.8
47.5°	586.2	546.9	520.6	502.7	492.7	483.4	485.9
50°	523.8	491.6	472.3	455.3	447.6	441.2	441.8
52.5°	473.6	444.7	429.1	416.8	407.3	402.8	400.5
55°	401.9	383.7	368.0	359.2	353.9	347.5	345.7
57.5°	342.9	328.8	315.9	306.0	304.7	298.5	299.3
60°	303.5	291.8	281.3	276.0	271.9	266.6	268.4
62.5°	271.2	261.3	251.8	247.4	243.3	239.4	240.2
65°	222.1	212.7	206.8	204.5	202.8	201.0	199.2
67.5°	176.9	171.3	167.6	162.6	158.9	158.3	156.5
70°	148.9	141.2	134.7	128.3	126.6	126.0	126.6
72.5°	119.3	114.5	112.7	109.6	109.3	107.7	108.7
75°	89.6	87.9	86.7	84.4	84.4	84.4	84.4
77.5°	66.1	65.0	64.3	63.9	63.3	62.4	62.3
80°	51.6	51.0	49.8	49.8	49.2	49.8	49.2
82.5°	38.9	38.8	37.6	37.6	37.0	36.7	37.0
85°	19.9	19.4	20.5	19.4	19.9	18.8	19.9
87.5°	9.2	9.3	9.0	9.0	8.6	9.6	8.7
90°	17.9	18.5	19.0	19.3	19.6	19.9	20.2
92.5°	27.3	27.7	27.9	27.7	27.6	27.4	27.2
95°	51.6	52.2	52.5	52.5	52.5	52.5	52.5
97.5°	80.0	80.7	81.0	80.9	80.9	80.8	80.8
100°	100.3	100.7	101.2	101.4	101.7	102.0	102.3
102.5°	124.0	124.4	124.7	124.6	124.5	124.5	124.4
105°	158.9	158.9	159.0	159.3	159.6	159.9	160.2
107.5°	197.6	198.1	198.2	198.0	197.9	197.7	197.5
110°	223.3	223.9	224.0	223.7	223.4	223.1	222.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	248.9	249.7	249.9	249.9	249.9	249.8	249.8
115°	287.2	287.4	287.4	287.2	287.1	286.9	286.8
117.5°	326.2	326.2	326.0	325.6	325.2	324.8	324.3
120°	352.3	352.1	351.9	351.6	351.3	351.0	350.7
122.5°	378.5	378.2	377.7	377.3	376.9	376.4	376.0
125°	417.6	417.0	416.4	415.8	415.2	414.6	414.0
127.5°	456.2	455.4	454.6	453.9	453.2	452.5	451.9
130°	482.2	481.6	480.8	479.7	478.7	477.7	476.6
132.5°	507.1	506.4	505.7	504.9	504.0	503.3	502.5
135°	544.8	544.2	543.8	543.5	543.2	542.9	542.6
137.5°	581.5	580.8	580.2	579.7	579.1	578.6	578.0
140°	606.1	605.9	605.4	604.2	603.2	602.2	601.2
142.5°	628.7	628.5	628.1	627.2	626.5	625.6	624.8
145°	661.9	661.8	661.4	660.8	660.2	659.6	659.0
147.5°	693.5	693.5	693.0	692.2	691.2	690.3	689.5
150°	712.9	712.9	712.5	711.5	710.7	709.7	708.9
152.5°	730.8	731.1	730.8	730.0	729.3	728.5	727.7
155°	757.1	757.7	757.4	756.4	755.4	754.3	753.3
157.5°	779.4	780.0	779.9	779.1	778.3	777.4	776.5
160°	793.2	793.9	794.0	793.4	792.8	792.2	791.6
162.5°	806.2	806.9	806.8	805.8	804.9	803.9	803.0
165°	822.6	823.5	823.5	822.4	821.3	820.3	819.2
167.5°	835.9	836.8	836.8	835.9	835.0	834.1	833.1
170°	843.3	844.3	844.3	843.3	842.2	841.2	840.1
172.5°	848.9	849.7	849.7	848.6	847.6	846.5	845.5
175°	854.9	855.8	855.7	854.7	853.7	852.6	851.5
177.5°	857.5	858.2	858.2	857.3	856.4	855.7	854.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0

(END OF REPORT)