

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1011010

Luminaire Tested: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011010
REPORT IS A COMBINATION OF REPORTS P993686 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

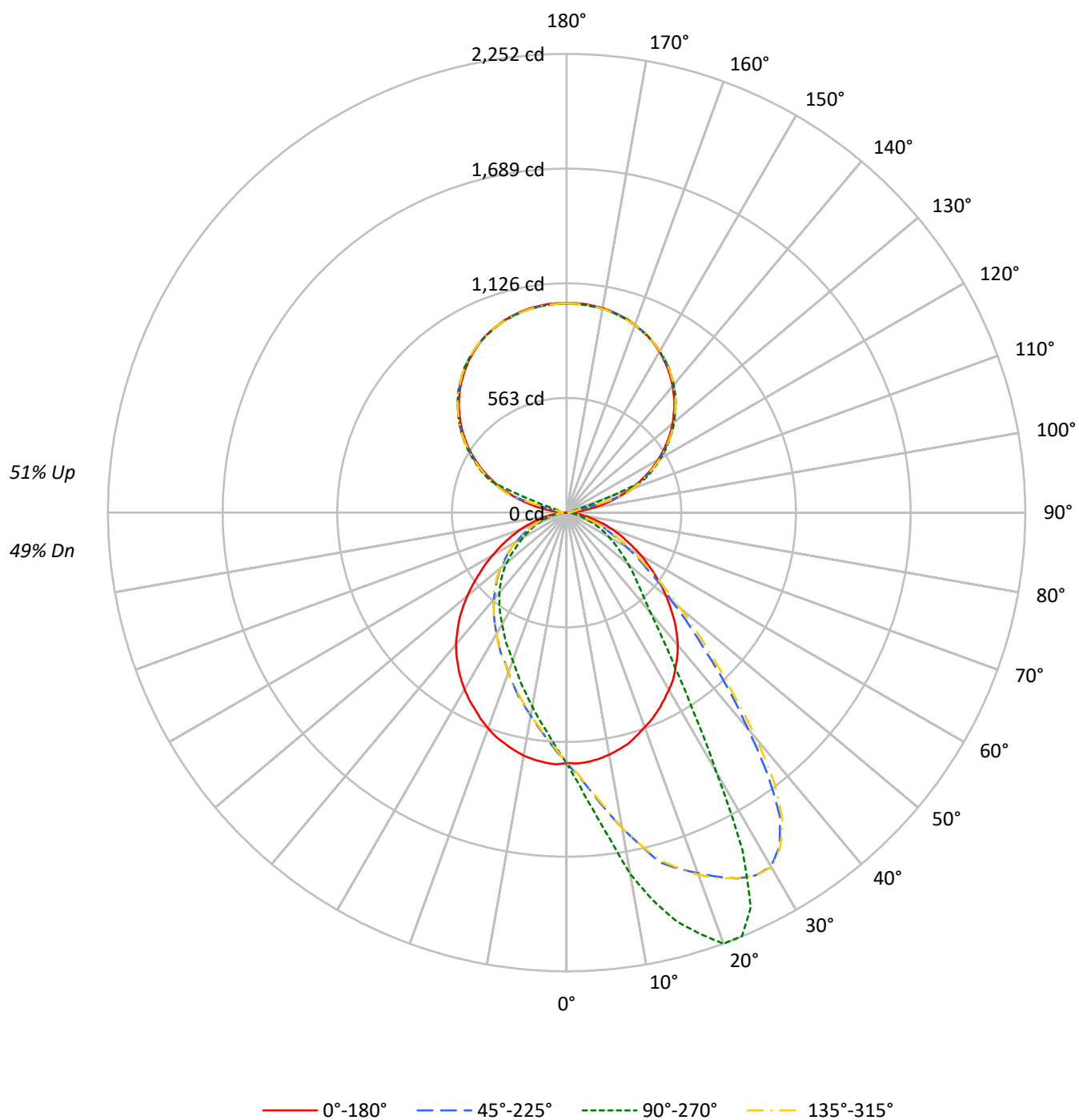
Lumens per Lamp: N/A
Luminaire Lumens: 6196.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 57
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	41
3	82	73	66	61	76	68	62	57	58	53	50	49	45	43	40	38	36
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	34	31
5	70	58	51	45	64	54	47	42	47	41	37	40	36	32	33	30	28
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25
7	60	48	40	34	55	44	38	33	38	33	29	33	29	26	28	24	22
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	25	22	20
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	20	18
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13232	13232	13232	13232
5°	13242	15240	13276	11306
10°	13125	18396	13182	9875
15°	12990	20879	12990	8707
20°	12724	22521	12795	7724
25°	12529	21397	12504	7048
30°	12302	14825	12277	6387
35°	12028	9518	11974	5888
40°	11689	6721	11631	5393
45°	11098	5379	11082	4909
50°	10371	4500	10337	4344
55°	9554	3708	9478	3683
60°	8751	3065	8664	3132
65°	7810	2453	7861	2656
70°	6944	1705	7130	2146
75°	5885	1265	6124	1650
80°	4685	838	5087	1238
85°	3333	397	3640	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17665 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.9
10°-20°	377.9	6.1
20°-30°	595.2	9.6
30°-40°	618.9	10.0
40°-50°	529.5	8.5
50°-60°	403.7	6.5
60°-70°	258.6	4.2
70°-80°	123.9	2.0
80°-90°	34.6	0.6
90°-100°	36.3	0.6
100°-110°	175.2	2.8
110°-120°	429.3	6.9
120°-130°	545.1	8.8
130°-140°	582.3	9.4
140°-150°	544.5	8.8
150°-160°	439.2	7.1
160°-170°	283.4	4.6
170°-180°	97.7	1.6
0°-30°	1093.8	17.7
0°-40°	1712.7	27.6
0°-60°	2645.9	42.7
0°-90°	3063.0	49.4
90°-120°	640.8	10.3
90°-150°	2312.6	37.3
90°-180°	3133.0	50.6
0°-180°	6196.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1229	1229	1229	1229	1229	
5°	1228	1460	1231	1083	1228	116
15°	1174	2074	1174	865	1174	330
25°	1067	2138	1065	704	1067	492
35°	931	927	927	574	931	583
45°	747	495	746	452	747	575
55°	527	310	523	308	527	472
65°	323	179	325	194	323	323
75°	155	76	161	99	155	167
85°	35	18	38	35	35	39
90°	1	23	1	23	1	5
95°	47	29	47	29	47	56
105°	228	34	228	34	228	241
115°	427	449	427	449	427	422
125°	602	614	602	614	602	538
135°	749	757	749	757	749	577
145°	864	873	864	873	864	541
155°	952	951	952	951	952	439
165°	1004	1002	1004	1002	1004	284
175°	1028	1024	1028	1024	1028	98
180°	1028	1028	1028	1028	1028	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1232.4	1240.9	1247.2	1251.4	1261.9	1268.2	1273.5	1283.0	1283.0	1285.1	1289.3
5°	1228.2	1246.1	1258.8	1275.6	1297.7	1308.2	1323.0	1335.6	1353.5	1363.0	1372.4
7.5°	1218.8	1244.0	1270.3	1295.6	1328.2	1349.3	1364.0	1396.6	1419.8	1448.2	1470.3
10°	1206.1	1240.9	1274.5	1313.5	1357.7	1389.3	1411.4	1454.5	1498.7	1538.7	1572.4
12.5°	1190.3	1232.4	1280.9	1328.2	1390.3	1421.9	1457.7	1511.4	1574.5	1625.0	1670.3
15°	1173.5	1221.9	1276.7	1334.5	1412.4	1456.6	1508.2	1573.4	1644.0	1716.6	1778.7
17.5°	1147.2	1208.2	1269.3	1353.5	1445.0	1471.4	1515.6	1605.0	1692.4	1757.6	1833.4
20°	1120.9	1189.3	1266.1	1341.9	1440.8	1501.9	1542.9	1637.7	1731.3	1810.3	1882.9
22.5°	1096.7	1168.2	1248.2	1344.0	1436.6	1497.7	1549.2	1648.2	1756.6	1845.0	1934.4
25°	1067.2	1145.1	1233.5	1324.0	1436.6	1482.9	1539.8	1654.5	1769.2	1871.3	1981.8
27.5°	1035.6	1114.6	1201.9	1294.5	1397.7	1466.1	1521.9	1645.0	1785.0	1894.5	2008.1
30°	1004.1	1085.1	1169.3	1252.4	1368.2	1433.5	1497.7	1633.4	1793.4	1918.7	2006.0
32.5°	973.5	1041.9	1125.1	1206.1	1320.9	1392.4	1465.0	1621.9	1796.6	1901.8	1943.9
35°	931.4	1003.0	1070.4	1156.7	1272.4	1343.0	1428.2	1620.8	1782.9	1848.1	1827.1
37.5°	892.5	952.5	1016.7	1093.5	1212.5	1304.0	1392.4	1593.4	1737.6	1741.8	1622.9
40°	849.3	898.8	952.5	1033.5	1161.9	1252.4	1348.2	1551.3	1655.5	1593.4	1384.0
42.5°	799.9	844.1	886.2	965.1	1105.1	1206.1	1309.3	1498.7	1536.6	1393.5	1175.6
45°	747.3	783.0	822.0	905.1	1045.1	1145.1	1248.2	1417.7	1378.7	1176.7	969.3
47.5°	692.5	723.0	760.9	836.7	980.9	1083.0	1180.9	1301.9	1203.0	986.2	812.5
50°	637.8	662.0	698.8	776.7	915.7	1008.3	1098.8	1177.7	1038.8	846.2	671.5
52.5°	584.1	603.1	641.0	707.3	842.0	930.4	995.6	1026.2	885.1	698.8	583.1
55°	527.3	548.3	573.6	641.0	774.6	839.9	883.0	882.0	736.7	592.5	482.0
57.5°	472.6	491.5	513.6	581.0	689.4	733.6	770.4	752.5	614.6	485.2	413.6
60°	424.1	434.7	458.9	515.7	597.8	635.7	656.7	626.2	502.0	409.4	342.1
62.5°	371.5	382.0	402.0	455.7	506.2	526.2	544.1	505.2	414.7	333.6	292.6
65°	323.1	336.8	349.4	392.6	419.9	444.1	442.0	409.4	324.2	271.5	237.9
67.5°	281.0	286.3	296.8	323.1	335.7	353.6	354.7	317.8	261.0	221.0	201.0
70°	235.8	241.0	248.4	261.0	269.4	273.6	271.5	238.9	196.8	172.6	154.7
72.5°	196.8	195.8	201.0	201.0	209.4	208.4	202.1	176.8	149.5	129.5	118.9
75°	154.7	155.8	156.8	154.7	151.6	147.3	142.1	123.1	105.2	95.8	86.3
77.5°	121.0	118.9	120.0	112.6	108.4	104.2	96.8	87.4	72.6	70.5	66.3
80°	86.3	85.3	84.2	81.0	71.6	67.4	62.1	56.8	53.7	51.6	50.5
82.5°	57.9	57.9	55.8	49.5	44.2	41.0	40.0	37.9	34.7	34.7	33.7
85°	34.7	33.7	31.6	25.3	22.1	22.1	22.1	22.1	20.0	20.0	18.9
87.5°	13.7	12.6	9.5	9.5	8.4	8.4	8.4	7.4	7.4	6.3	6.3
90°	0.8	2.5	4.2	5.9	7.6	8.4	9.5	11.7	13.9	16.1	18.3
92.5°	17.6	16.6	15.6	14.5	13.5	13.0	13.8	15.3	16.8	18.4	19.9
95°	46.6	39.6	32.7	25.7	18.8	15.3	16.2	18.1	20.0	21.8	23.7
97.5°	84.7	80.0	75.2	70.5	65.8	63.4	59.1	50.4	41.7	33.1	24.4
100°	129.0	132.4	135.8	139.2	142.6	144.3	131.1	104.6	78.1	51.7	25.2
102.5°	179.4	181.6	183.8	186.0	188.2	189.3	174.5	145.0	115.5	86.0	56.5
105°	227.5	229.4	231.2	233.1	235.0	235.9	228.3	213.0	197.7	182.5	167.2
107.5°	278.7	280.2	281.7	283.2	284.7	285.5	286.8	289.3	291.9	294.4	297.0
110°	329.8	331.2	332.5	333.9	335.2	335.9	336.8	338.7	340.6	342.4	344.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	378.7	379.9	381.1	382.2	383.4	384.0	384.9	386.8	388.7	390.5	392.4
115°	426.8	427.8	428.8	429.9	430.9	431.4	432.2	433.7	435.2	436.7	438.2
117.5°	474.1	475.3	476.5	477.7	478.9	479.5	479.9	480.8	481.6	482.5	483.3
120°	517.7	519.2	520.7	522.2	523.7	524.5	524.8	525.3	525.8	526.3	526.8
122.5°	561.9	563.1	564.3	565.5	566.7	567.3	567.6	568.3	569.0	569.6	570.3
125°	601.6	603.0	604.3	605.7	607.0	607.7	608.0	608.7	609.4	610.1	610.8
127.5°	641.3	642.7	644.0	645.4	646.7	647.4	647.8	648.7	649.6	650.4	651.3
130°	678.0	679.4	680.7	682.1	683.4	684.1	684.4	685.1	685.8	686.5	687.2
132.5°	713.1	714.5	715.8	717.2	718.5	719.2	719.5	720.0	720.5	721.0	721.5
135°	749.0	750.0	751.0	752.1	753.1	753.6	753.9	754.6	755.3	755.9	756.6
137.5°	779.5	780.9	782.2	783.6	784.9	785.6	785.8	786.1	786.5	786.8	787.2
140°	810.1	811.1	812.1	813.2	814.2	814.7	814.9	815.4	815.9	816.4	816.9
142.5°	838.3	839.3	840.3	841.4	842.4	842.9	843.2	843.7	844.2	844.7	845.2
145°	864.3	865.5	866.7	867.8	869.0	869.6	869.8	870.1	870.5	870.8	871.2
147.5°	889.5	890.3	891.2	892.0	892.9	893.3	893.5	893.8	894.1	894.5	894.8
150°	912.4	912.9	913.4	913.9	914.4	914.7	914.9	915.2	915.5	915.9	916.2
152.5°	933.0	933.2	933.4	933.5	933.7	933.8	933.9	934.0	934.2	934.3	934.5
155°	952.1	951.8	951.4	951.1	950.8	950.6	950.7	950.8	951.0	951.1	951.3
157.5°	967.4	967.4	967.4	967.4	967.4	967.4	967.3	967.1	967.0	966.8	966.6
160°	981.1	980.9	980.7	980.6	980.4	980.3	980.2	980.1	979.9	979.8	979.6
162.5°	994.1	993.6	993.1	992.6	992.1	991.8	991.7	991.5	991.4	991.2	991.0
165°	1004.0	1003.5	1003.0	1002.5	1002.0	1001.7	1001.6	1001.5	1001.3	1001.2	1001.0
167.5°	1012.4	1011.7	1011.0	1010.3	1009.6	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3
170°	1019.3	1018.6	1017.9	1017.2	1016.5	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2
172.5°	1023.9	1023.0	1022.2	1021.3	1020.4	1020.0	1020.1	1020.3	1020.4	1020.6	1020.8
175°	1027.7	1026.9	1026.0	1025.2	1024.3	1023.9	1024.0	1024.1	1024.3	1024.4	1024.6
177.5°	1029.2	1028.4	1027.5	1026.7	1025.8	1025.4	1025.5	1025.6	1025.8	1025.9	1026.1
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1297.7	1297.7	1307.2	1316.6	1311.4	1314.5	1326.1	1321.9	1330.3	1329.3	1332.4
5°	1395.6	1407.2	1416.6	1436.6	1439.8	1436.6	1456.6	1461.9	1471.4	1459.8	1465.0
7.5°	1506.1	1530.3	1553.5	1582.9	1592.4	1594.5	1605.0	1619.8	1632.4	1609.2	1620.8
10°	1613.4	1650.3	1697.6	1724.0	1747.1	1755.5	1763.9	1773.4	1788.2	1801.8	1791.3
12.5°	1729.2	1782.9	1828.1	1875.5	1903.9	1900.8	1925.0	1931.3	1942.9	1946.0	1950.2
15°	1823.9	1899.7	1928.1	1998.6	2005.0	2026.0	2053.4	2077.6	2080.7	2074.4	2074.4
17.5°	1914.5	1979.7	2030.2	2087.1	2098.6	2116.5	2151.3	2162.8	2167.0	2166.0	2166.0
20°	1988.1	2031.3	2116.5	2163.9	2182.8	2206.0	2230.2	2244.9	2248.1	2252.3	2246.0
22.5°	2036.5	2101.8	2171.3	2210.2	2226.0	2234.4	2250.2	2254.4	2249.1	2250.2	2251.2
25°	2074.4	2138.6	2180.7	2191.3	2190.2	2179.7	2168.1	2148.1	2146.0	2137.6	2120.7
27.5°	2085.0	2109.2	2103.9	2060.7	2017.6	2013.4	1943.9	1906.0	1862.9	1869.2	1845.0
30°	2028.1	1996.5	1921.8	1812.4	1767.1	1693.4	1615.5	1534.5	1502.9	1468.2	1532.4
32.5°	1889.2	1776.6	1644.0	1501.9	1426.1	1360.8	1277.7	1218.8	1185.1	1156.7	1211.4
35°	1679.7	1504.0	1328.2	1193.5	1131.4	1072.5	994.6	965.1	923.0	927.2	932.5
37.5°	1410.3	1216.7	1084.0	951.4	910.4	886.2	829.3	784.1	769.4	765.1	765.1
40°	1157.7	998.8	880.9	776.7	745.2	725.2	679.9	658.8	643.1	638.9	644.1
42.5°	957.8	822.0	730.4	661.0	638.9	613.6	594.6	568.3	565.2	557.8	567.3
45°	804.1	686.2	617.8	567.3	548.3	538.9	517.8	502.0	495.7	494.7	502.0
47.5°	682.0	590.4	530.4	498.9	484.1	474.7	456.8	450.5	444.1	446.2	443.1
50°	572.5	504.1	465.2	436.8	427.3	417.8	406.3	399.9	396.8	396.8	395.7
52.5°	491.5	434.7	409.4	383.1	378.9	373.6	361.0	356.8	351.5	350.5	354.7
55°	421.0	382.0	356.8	341.0	336.8	326.3	321.0	315.7	312.6	310.5	311.5
57.5°	359.9	330.5	313.6	300.0	292.6	288.4	278.9	277.9	275.7	275.7	274.7
60°	309.4	288.4	268.4	260.0	254.7	249.4	248.4	242.1	238.9	241.0	240.0
62.5°	262.1	245.2	233.6	224.2	221.0	216.8	213.7	211.5	208.4	209.4	209.4
65°	218.9	205.2	196.8	188.4	187.3	183.1	182.1	180.0	180.0	178.9	181.0
67.5°	180.0	170.5	163.1	157.9	154.7	155.8	151.6	148.4	148.4	147.3	150.5
70°	143.1	137.9	130.5	124.2	120.0	120.0	114.7	113.7	113.7	113.7	112.6
72.5°	110.5	101.0	97.9	95.8	95.8	95.8	93.7	93.7	92.6	93.7	92.6
75°	82.1	81.0	78.9	77.9	77.9	76.8	75.8	75.8	75.8	75.8	75.8
77.5°	64.2	64.2	62.1	61.0	61.0	61.0	60.0	60.0	58.9	58.9	58.9
80°	47.4	47.4	45.3	45.3	45.3	44.2	44.2	44.2	45.3	44.2	44.2
82.5°	32.6	32.6	31.6	32.6	31.6	30.5	30.5	30.5	29.5	30.5	30.5
85°	18.9	18.9	17.9	16.8	17.9	17.9	16.8	17.9	16.8	17.9	16.8
87.5°	7.4	6.3	6.3	6.3	5.3	6.3	5.3	5.3	6.3	5.3	6.3
90°	19.0	19.7	20.4	21.1	21.4	21.6	21.9	22.2	22.6	22.9	22.6
92.5°	21.1	22.3	23.4	24.6	25.2	25.3	25.5	25.6	25.8	26.0	25.8
95°	24.9	26.1	27.2	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0
97.5°	25.8	27.1	28.5	29.8	30.5	30.6	30.8	30.9	31.1	31.3	31.1
100°	26.6	27.9	29.3	30.6	31.3	31.4	31.6	31.7	31.9	32.1	31.9
102.5°	50.9	45.3	39.7	34.1	31.3	31.5	31.8	32.1	32.5	32.8	32.5
105°	137.2	107.2	77.1	47.1	32.1	32.3	32.6	32.9	33.3	33.6	33.3
107.5°	270.9	244.7	218.6	192.5	179.4	168.3	146.1	123.8	101.6	79.4	101.6
110°	338.7	333.1	327.5	321.9	319.1	307.0	282.7	258.5	234.2	210.0	234.2

TEST NUMBER: P1011010

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	393.9	395.5	397.0	398.5	399.3	399.1	398.8	398.5	398.1	397.8	398.1
115°	439.9	441.6	443.3	445.0	445.9	446.2	446.9	447.6	448.2	448.9	448.2
117.5°	484.7	486.0	487.4	488.7	489.4	489.5	489.7	489.8	490.0	490.2	490.0
120°	528.2	529.5	530.9	532.2	532.9	532.9	532.9	532.9	532.9	532.9	532.9
122.5°	571.2	572.0	572.9	573.8	574.2	574.3	574.4	574.6	574.7	574.9	574.7
125°	611.1	611.5	611.8	612.1	612.3	612.5	612.8	613.2	613.5	613.9	613.5
127.5°	651.8	652.3	652.8	653.3	653.6	653.4	653.1	652.7	652.4	652.0	652.4
130°	687.9	688.5	689.2	689.9	690.2	690.0	689.7	689.4	689.0	688.7	689.0
132.5°	722.2	722.9	723.6	724.3	724.6	724.3	723.8	723.3	722.8	722.3	722.8
135°	757.1	757.6	758.1	758.6	758.9	758.6	758.1	757.6	757.1	756.6	757.1
137.5°	788.0	788.9	789.7	790.6	791.0	790.8	790.5	790.2	789.8	789.5	789.8
140°	817.6	818.3	819.0	819.7	820.0	819.8	819.5	819.2	818.8	818.5	818.8
142.5°	845.7	846.2	846.7	847.2	847.5	847.2	846.7	846.2	845.7	845.2	845.7
145°	871.5	871.9	872.2	872.5	872.7	872.7	872.7	872.7	872.7	872.7	872.7
147.5°	895.2	895.5	895.9	896.2	896.4	896.0	895.1	894.2	893.4	892.5	893.4
150°	916.5	916.9	917.2	917.5	917.7	917.4	916.9	916.4	915.9	915.4	915.9
152.5°	935.2	935.9	936.6	937.3	937.6	937.2	936.3	935.5	934.6	933.8	934.6
155°	952.1	953.0	953.8	954.7	955.1	954.6	953.6	952.6	951.6	950.6	951.6
157.5°	967.6	968.6	969.7	970.7	971.2	970.5	969.2	967.8	966.5	965.1	966.5
160°	980.6	981.6	982.7	983.7	984.2	983.6	982.4	981.2	980.0	978.8	980.0
162.5°	992.2	993.4	994.6	995.8	996.4	995.9	994.9	993.8	992.8	991.8	992.8
165°	1002.4	1003.7	1005.1	1006.4	1007.1	1006.5	1005.3	1004.1	1002.9	1001.7	1002.9
167.5°	1010.7	1012.1	1013.4	1014.8	1015.5	1014.8	1013.4	1012.1	1010.7	1009.3	1010.7
170°	1017.6	1018.9	1020.3	1021.6	1022.3	1021.6	1020.3	1018.9	1017.6	1016.2	1017.6
172.5°	1022.2	1023.5	1024.9	1026.2	1026.9	1026.1	1024.6	1023.1	1021.5	1020.0	1021.5
175°	1025.8	1027.0	1028.2	1029.4	1030.0	1029.3	1028.0	1026.6	1025.3	1023.9	1025.3
177.5°	1027.5	1028.9	1030.2	1031.6	1032.3	1031.4	1029.7	1028.0	1026.3	1024.6	1026.3
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

TEST NUMBER: P1011010

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1327.2	1320.9	1316.6	1313.5	1310.3	1319.8	1307.2	1293.5	1284.0	1277.7	1275.6
5°	1466.1	1452.4	1440.8	1431.4	1433.5	1433.5	1411.4	1387.2	1366.1	1354.5	1341.9
7.5°	1627.1	1612.4	1589.2	1584.0	1579.8	1553.5	1531.4	1487.1	1460.8	1434.5	1411.4
10°	1787.1	1768.2	1746.1	1738.7	1728.2	1695.5	1661.9	1605.0	1572.4	1524.0	1493.5
12.5°	1936.6	1913.4	1891.3	1886.0	1870.2	1841.8	1783.9	1725.0	1669.2	1617.7	1564.0
15°	2061.8	2055.5	2021.8	2000.8	1966.0	1927.1	1914.5	1834.5	1763.9	1710.3	1613.4
17.5°	2167.0	2137.6	2106.0	2092.3	2078.6	2033.4	1988.1	1906.0	1830.3	1751.3	1689.2
20°	2251.2	2218.6	2196.5	2176.5	2170.2	2118.6	2047.1	1974.4	1891.3	1802.9	1721.8
22.5°	2255.5	2251.2	2236.5	2224.9	2212.3	2178.6	2121.8	2031.3	1942.9	1846.0	1739.7
25°	2168.1	2161.8	2203.9	2193.4	2201.8	2189.1	2158.6	2082.8	1979.7	1866.0	1758.7
27.5°	1905.0	1969.2	2035.5	2058.6	2074.4	2119.7	2134.4	2092.3	2009.2	1888.1	1768.2
30°	1547.1	1632.4	1739.7	1797.6	1841.8	1926.0	2035.5	2049.2	2010.2	1913.4	1766.1
32.5°	1214.6	1292.4	1378.7	1447.2	1506.1	1678.7	1826.0	1932.3	1951.3	1900.8	1771.3
35°	978.8	1012.5	1094.6	1159.8	1239.8	1387.2	1560.8	1732.4	1848.1	1854.5	1755.5
37.5°	807.2	825.1	896.7	933.5	980.9	1110.4	1272.4	1496.6	1676.6	1761.8	1711.3
40°	668.3	709.4	750.4	771.5	805.1	894.6	1050.4	1226.1	1449.3	1607.1	1642.9
42.5°	579.9	597.8	624.1	653.6	674.6	752.5	856.7	1017.7	1218.8	1438.7	1537.7
45°	511.5	517.8	545.2	564.1	586.2	641.0	714.6	849.3	1026.2	1243.0	1411.4
47.5°	454.7	467.3	482.0	493.6	508.3	550.4	613.6	711.5	867.2	1060.9	1241.9
50°	404.2	411.5	430.5	435.7	446.2	475.7	524.1	598.9	727.3	882.0	1069.3
52.5°	356.8	370.5	377.8	385.2	394.7	418.9	450.5	511.5	608.3	753.6	912.5
55°	320.0	324.2	334.7	341.0	348.4	365.2	392.6	437.8	513.6	629.4	779.9
57.5°	284.2	284.2	294.7	300.0	307.3	320.0	344.2	378.9	433.6	519.9	657.8
60°	246.3	247.3	255.8	262.1	264.2	276.8	296.8	324.2	366.3	429.4	542.0
62.5°	212.6	217.9	222.1	224.2	231.5	238.9	255.8	274.7	304.2	359.9	439.9
65°	184.2	185.2	188.4	190.5	193.7	202.1	214.7	227.3	252.6	293.6	358.9
67.5°	151.6	155.8	160.0	160.0	163.1	167.3	180.0	190.5	209.4	233.6	277.9
70°	113.7	115.8	122.1	125.2	129.5	136.8	143.1	149.5	164.2	182.1	215.8
72.5°	94.7	94.7	96.8	97.9	97.9	103.1	112.6	118.9	126.3	138.9	162.1
75°	75.8	75.8	78.9	77.9	80.0	82.1	83.1	87.4	91.6	101.0	114.7
77.5°	60.0	61.0	61.0	62.1	62.1	63.1	64.2	66.3	68.4	73.7	80.0
80°	44.2	45.3	45.3	46.3	46.3	47.4	48.4	49.5	51.6	53.7	56.8
82.5°	30.5	31.6	31.6	32.6	31.6	32.6	33.7	33.7	34.7	36.8	37.9
85°	17.9	17.9	18.9	17.9	17.9	17.9	18.9	18.9	20.0	23.2	23.2
87.5°	5.3	6.3	5.3	6.3	6.3	6.3	6.3	7.4	7.4	8.4	9.5
90°	22.2	21.9	21.6	21.4	21.1	20.4	19.7	19.0	18.3	16.1	13.9
92.5°	25.6	25.5	25.3	25.2	24.6	23.4	22.3	21.1	19.9	18.4	16.8
95°	29.0	29.0	29.0	29.0	28.4	27.2	26.1	24.9	23.7	21.8	20.0
97.5°	30.9	30.8	30.6	30.5	29.8	28.5	27.1	25.8	24.4	33.1	41.7
100°	31.7	31.6	31.4	31.3	30.6	29.3	27.9	26.6	25.2	51.7	78.1
102.5°	32.1	31.8	31.5	31.3	34.1	39.7	45.3	50.9	56.5	86.0	115.5
105°	32.9	32.6	32.3	32.1	47.1	77.1	107.2	137.2	167.2	182.5	197.7
107.5°	123.8	146.1	168.3	179.4	192.5	218.6	244.7	270.9	297.0	294.4	291.9
110°	258.5	282.7	307.0	319.1	321.9	327.5	333.1	338.7	344.3	342.4	340.6

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	398.5	398.8	399.1	399.3	398.5	397.0	395.5	393.9	392.4	390.5	388.7
115°	447.6	446.9	446.2	445.9	445.0	443.3	441.6	439.9	438.2	436.7	435.2
117.5°	489.8	489.7	489.5	489.4	488.7	487.4	486.0	484.7	483.3	482.5	481.6
120°	532.9	532.9	532.9	532.9	532.2	530.9	529.5	528.2	526.8	526.3	525.8
122.5°	574.6	574.4	574.3	574.2	573.8	572.9	572.0	571.2	570.3	569.6	569.0
125°	613.2	612.8	612.5	612.3	612.1	611.8	611.5	611.1	610.8	610.1	609.4
127.5°	652.7	653.1	653.4	653.6	653.3	652.8	652.3	651.8	651.3	650.4	649.6
130°	689.4	689.7	690.0	690.2	689.9	689.2	688.5	687.9	687.2	686.5	685.8
132.5°	723.3	723.8	724.3	724.6	724.3	723.6	722.9	722.2	721.5	721.0	720.5
135°	757.6	758.1	758.6	758.9	758.6	758.1	757.6	757.1	756.6	755.9	755.3
137.5°	790.2	790.5	790.8	791.0	790.6	789.7	788.9	788.0	787.2	786.8	786.5
140°	819.2	819.5	819.8	820.0	819.7	819.0	818.3	817.6	816.9	816.4	815.9
142.5°	846.2	846.7	847.2	847.5	847.2	846.7	846.2	845.7	845.2	844.7	844.2
145°	872.7	872.7	872.7	872.7	872.5	872.2	871.9	871.5	871.2	870.8	870.5
147.5°	894.2	895.1	896.0	896.4	896.2	895.9	895.5	895.2	894.8	894.5	894.1
150°	916.4	916.9	917.4	917.7	917.5	917.2	916.9	916.5	916.2	915.9	915.5
152.5°	935.5	936.3	937.2	937.6	937.3	936.6	935.9	935.2	934.5	934.3	934.2
155°	952.6	953.6	954.6	955.1	954.7	953.8	953.0	952.1	951.3	951.1	951.0
157.5°	967.8	969.2	970.5	971.2	970.7	969.7	968.6	967.6	966.6	966.8	967.0
160°	981.2	982.4	983.6	984.2	983.7	982.7	981.6	980.6	979.6	979.8	979.9
162.5°	993.8	994.9	995.9	996.4	995.8	994.6	993.4	992.2	991.0	991.2	991.4
165°	1004.1	1005.3	1006.5	1007.1	1006.4	1005.1	1003.7	1002.4	1001.0	1001.2	1001.3
167.5°	1012.1	1013.4	1014.8	1015.5	1014.8	1013.4	1012.1	1010.7	1009.3	1009.3	1009.3
170°	1018.9	1020.3	1021.6	1022.3	1021.6	1020.3	1018.9	1017.6	1016.2	1016.2	1016.2
172.5°	1023.1	1024.6	1026.1	1026.9	1026.2	1024.9	1023.5	1022.2	1020.8	1020.6	1020.4
175°	1026.6	1028.0	1029.3	1030.0	1029.4	1028.2	1027.0	1025.8	1024.6	1024.4	1024.3
177.5°	1028.0	1029.7	1031.4	1032.3	1031.6	1030.2	1028.9	1027.5	1026.1	1025.9	1025.8
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1272.4	1267.2	1261.9	1261.9	1250.3	1239.8	1234.6	1236.7	1230.3	1221.9	1213.5
5°	1328.2	1307.2	1303.0	1291.4	1275.6	1253.5	1241.9	1231.4	1218.8	1201.9	1186.1
7.5°	1379.8	1352.4	1337.7	1326.1	1295.6	1265.1	1239.8	1223.0	1200.9	1175.6	1156.7
10°	1447.2	1396.6	1380.8	1354.5	1311.4	1268.2	1238.8	1211.4	1180.9	1151.4	1126.1
12.5°	1500.8	1442.9	1413.5	1387.2	1331.4	1276.7	1227.2	1193.5	1156.7	1124.0	1091.4
15°	1561.9	1496.6	1445.0	1413.5	1343.0	1276.7	1220.9	1173.5	1132.5	1092.5	1064.1
17.5°	1591.3	1509.2	1486.1	1440.8	1338.7	1272.4	1204.0	1153.5	1104.0	1057.7	1024.1
20°	1637.7	1541.9	1484.0	1453.5	1363.0	1265.1	1185.1	1127.2	1075.6	1026.2	990.4
22.5°	1640.8	1536.6	1498.7	1440.8	1329.3	1243.0	1168.2	1097.7	1037.7	991.4	954.6
25°	1633.4	1527.1	1474.5	1428.2	1335.6	1230.3	1134.6	1065.1	1006.2	952.5	909.3
27.5°	1630.3	1499.8	1450.3	1404.0	1299.8	1193.5	1114.6	1035.6	968.3	920.9	876.7
30°	1626.1	1470.3	1410.3	1356.6	1260.9	1165.1	1070.4	1002.0	937.8	877.8	833.6
32.5°	1598.7	1430.3	1369.3	1312.4	1209.3	1113.5	1038.8	966.2	896.7	840.9	800.9
35°	1590.3	1393.5	1313.5	1252.4	1151.4	1066.2	987.2	927.2	862.0	806.2	758.8
37.5°	1566.1	1355.6	1269.3	1191.4	1086.2	1005.1	947.2	887.2	824.1	764.1	726.2
40°	1524.0	1311.4	1213.5	1133.5	1025.1	943.0	889.3	845.1	783.0	729.4	683.1
42.5°	1461.9	1266.1	1160.9	1076.7	956.7	879.9	835.7	793.6	740.9	685.2	647.3
45°	1390.3	1206.1	1108.3	1014.6	892.5	817.8	771.5	746.2	697.8	650.4	606.2
47.5°	1292.4	1144.0	1047.2	950.4	826.2	753.6	716.7	691.5	657.8	606.2	570.4
50°	1169.3	1064.1	972.5	886.2	760.9	691.5	654.6	635.7	607.3	570.4	535.7
52.5°	1032.5	971.4	895.7	815.7	694.6	629.4	595.7	581.0	559.9	525.2	495.7
55°	894.6	868.3	816.7	737.8	625.2	571.5	542.0	523.1	507.3	482.0	456.8
57.5°	771.5	758.8	723.0	662.0	567.3	511.5	486.2	473.6	461.0	442.0	416.8
60°	644.1	657.8	621.0	590.4	504.1	455.7	433.6	419.9	413.6	396.8	381.0
62.5°	533.6	546.2	525.2	502.0	441.0	397.8	384.2	371.5	367.3	352.6	336.8
65°	433.6	449.4	433.6	421.0	384.2	348.4	331.5	325.2	321.0	311.5	298.9
67.5°	345.2	361.0	353.6	337.8	326.3	296.8	287.3	281.0	278.9	271.5	261.0
70°	260.0	282.1	284.2	274.7	264.2	250.5	244.2	242.1	236.8	230.5	224.2
72.5°	187.3	212.6	213.7	213.7	207.3	207.3	201.0	197.9	197.9	191.6	184.2
75°	137.9	154.7	156.8	158.9	162.1	165.2	161.0	161.0	160.0	153.7	150.5
77.5°	91.6	106.3	111.6	118.9	123.1	123.1	125.2	127.3	125.2	122.1	120.0
80°	58.9	69.5	75.8	80.0	86.3	89.5	92.6	93.7	91.6	90.5	87.4
82.5°	38.9	42.1	45.3	50.5	57.9	63.1	63.1	62.1	64.2	63.1	62.1
85°	22.1	24.2	25.3	26.3	30.5	35.8	36.8	37.9	40.0	37.9	35.8
87.5°	8.4	9.5	9.5	9.5	11.6	12.6	15.8	20.0	18.9	16.8	16.8
90°	11.7	9.5	8.4	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9
92.5°	15.3	13.8	13.0	13.5	14.5	15.6	16.6	17.6	16.6	15.6	14.5
95°	18.1	16.2	15.3	18.8	25.7	32.7	39.6	46.6	39.6	32.7	25.7
97.5°	50.4	59.1	63.4	65.8	70.5	75.2	80.0	84.7	80.0	75.2	70.5
100°	104.6	131.1	144.3	142.6	139.2	135.8	132.4	129.0	132.4	135.8	139.2
102.5°	145.0	174.5	189.3	188.2	186.0	183.8	181.6	179.4	181.6	183.8	186.0
105°	213.0	228.3	235.9	235.0	233.1	231.2	229.4	227.5	229.4	231.2	233.1
107.5°	289.3	286.8	285.5	284.7	283.2	281.7	280.2	278.7	280.2	281.7	283.2
110°	338.7	336.8	335.9	335.2	333.9	332.5	331.2	329.8	331.2	332.5	333.9

TEST NUMBER: P1011010

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	386.8	384.9	384.0	383.4	382.2	381.1	379.9	378.7	379.9	381.1	382.2
115°	433.7	432.2	431.4	430.9	429.9	428.8	427.8	426.8	427.8	428.8	429.9
117.5°	480.8	479.9	479.5	478.9	477.7	476.5	475.3	474.1	475.3	476.5	477.7
120°	525.3	524.8	524.5	523.7	522.2	520.7	519.2	517.7	519.2	520.7	522.2
122.5°	568.3	567.6	567.3	566.7	565.5	564.3	563.1	561.9	563.1	564.3	565.5
125°	608.7	608.0	607.7	607.0	605.7	604.3	603.0	601.6	603.0	604.3	605.7
127.5°	648.7	647.8	647.4	646.7	645.4	644.0	642.7	641.3	642.7	644.0	645.4
130°	685.1	684.4	684.1	683.4	682.1	680.7	679.4	678.0	679.4	680.7	682.1
132.5°	720.0	719.5	719.2	718.5	717.2	715.8	714.5	713.1	714.5	715.8	717.2
135°	754.6	753.9	753.6	753.1	752.1	751.0	750.0	749.0	750.0	751.0	752.1
137.5°	786.1	785.8	785.6	784.9	783.6	782.2	780.9	779.5	780.9	782.2	783.6
140°	815.4	814.9	814.7	814.2	813.2	812.1	811.1	810.1	811.1	812.1	813.2
142.5°	843.7	843.2	842.9	842.4	841.4	840.3	839.3	838.3	839.3	840.3	841.4
145°	870.1	869.8	869.6	869.0	867.8	866.7	865.5	864.3	865.5	866.7	867.8
147.5°	893.8	893.5	893.3	892.9	892.0	891.2	890.3	889.5	890.3	891.2	892.0
150°	915.2	914.9	914.7	914.4	913.9	913.4	912.9	912.4	912.9	913.4	913.9
152.5°	934.0	933.9	933.8	933.7	933.5	933.4	933.2	933.0	933.2	933.4	933.5
155°	950.8	950.7	950.6	950.8	951.1	951.4	951.8	952.1	951.8	951.4	951.1
157.5°	967.1	967.3	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4
160°	980.1	980.2	980.3	980.4	980.6	980.7	980.9	981.1	980.9	980.7	980.6
162.5°	991.5	991.7	991.8	992.1	992.6	993.1	993.6	994.1	993.6	993.1	992.6
165°	1001.5	1001.6	1001.7	1002.0	1002.5	1003.0	1003.5	1004.0	1003.5	1003.0	1002.5
167.5°	1009.3	1009.3	1009.3	1009.6	1010.3	1011.0	1011.7	1012.4	1011.7	1011.0	1010.3
170°	1016.2	1016.2	1016.2	1016.5	1017.2	1017.9	1018.6	1019.3	1018.6	1017.9	1017.2
172.5°	1020.3	1020.1	1020.0	1020.4	1021.3	1022.2	1023.0	1023.9	1023.0	1022.2	1021.3
175°	1024.1	1024.0	1023.9	1024.3	1025.2	1026.0	1026.9	1027.7	1026.9	1026.0	1025.2
177.5°	1025.6	1025.5	1025.4	1025.8	1026.7	1027.5	1028.4	1029.2	1028.4	1027.5	1026.7
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

TEST NUMBER: P1011010

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1213.5	1208.2	1206.1	1200.9	1188.2	1179.8	1170.4	1164.0	1165.1	1159.8	1163.0
5°	1175.6	1174.6	1167.2	1156.7	1138.8	1129.3	1112.5	1104.0	1099.8	1100.9	1094.6
7.5°	1144.0	1134.6	1129.3	1112.5	1095.6	1075.6	1061.9	1054.6	1048.3	1041.9	1037.7
10°	1108.3	1099.8	1091.4	1073.5	1050.4	1031.4	1012.5	1005.1	995.6	991.4	988.3
12.5°	1070.4	1065.1	1054.6	1033.5	1007.2	989.3	967.2	963.0	950.4	942.0	939.9
15°	1035.6	1032.5	1013.5	989.3	963.0	945.1	926.2	913.5	892.5	896.7	889.3
17.5°	998.8	985.1	973.5	940.9	928.3	900.9	878.8	872.5	857.8	848.3	838.8
20°	957.8	949.3	934.6	913.5	883.0	851.5	834.6	824.1	815.7	800.9	796.7
22.5°	918.8	908.3	895.7	868.3	842.0	815.7	792.5	783.0	772.5	762.0	755.7
25°	888.3	872.5	858.8	825.1	798.8	776.7	762.0	746.2	731.5	725.2	723.0
27.5°	840.9	831.5	817.8	786.2	762.0	737.8	724.1	713.6	697.8	690.4	684.1
30°	810.4	791.5	775.7	750.4	726.2	699.9	687.3	674.6	665.2	655.7	648.3
32.5°	769.4	754.6	742.0	716.7	692.5	668.3	654.6	635.7	630.4	623.1	614.6
35°	729.4	719.9	706.2	678.8	652.5	635.7	621.0	603.1	596.8	591.5	584.1
37.5°	691.5	677.8	668.3	642.0	618.9	598.9	587.3	572.5	568.3	562.0	556.8
40°	658.8	645.2	635.7	609.4	585.2	564.1	556.8	542.0	535.7	528.3	525.2
42.5°	622.0	610.4	597.8	578.9	553.6	532.6	517.8	509.4	501.0	497.8	491.5
45°	583.1	572.5	563.1	542.0	515.7	501.0	488.3	476.8	470.5	465.2	461.0
47.5°	549.4	539.9	527.3	504.1	483.1	469.4	456.8	445.2	438.9	432.6	427.3
50°	510.5	505.2	491.5	469.4	449.4	433.6	422.0	411.5	407.3	399.9	391.5
52.5°	475.7	466.2	454.7	436.8	418.9	399.9	384.2	377.8	370.5	366.3	358.9
55°	434.7	428.4	415.7	399.9	381.0	365.2	353.6	345.2	335.7	331.5	322.1
57.5°	399.9	388.4	382.0	362.1	344.2	328.4	320.0	311.5	301.0	294.7	290.5
60°	362.1	351.5	342.1	325.2	312.6	295.7	283.1	275.7	268.4	260.0	255.8
62.5°	325.2	316.8	305.2	291.5	275.7	262.1	252.6	242.1	237.9	229.4	226.3
65°	285.2	278.9	269.4	253.6	241.0	229.4	220.0	211.5	207.3	204.2	202.1
67.5°	249.4	241.0	234.7	221.0	207.3	197.9	192.6	187.3	182.1	178.9	175.8
70°	212.6	206.3	200.0	187.3	177.9	169.4	165.2	161.0	157.9	154.7	151.6
72.5°	174.7	171.6	165.2	156.8	149.5	143.1	140.0	134.7	131.6	126.3	124.2
75°	144.2	138.9	135.8	128.4	122.1	116.8	112.6	106.3	102.1	100.0	98.9
77.5°	113.7	111.6	107.4	101.0	97.9	92.6	86.3	84.2	82.1	82.1	81.0
80°	85.3	82.1	78.9	73.7	70.5	66.3	66.3	66.3	65.3	66.3	65.3
82.5°	57.9	55.8	53.7	50.5	49.5	49.5	50.5	50.5	50.5	50.5	50.5
85°	33.7	33.7	33.7	34.7	33.7	33.7	34.7	35.8	34.7	34.7	33.7
87.5°	15.8	15.8	16.8	16.8	17.9	17.9	17.9	17.9	17.9	17.9	18.9
90°	7.6	8.4	9.5	11.7	13.9	16.1	18.3	19.0	19.7	20.4	21.1
92.5°	13.5	13.0	13.8	15.3	16.8	18.4	19.9	21.1	22.3	23.4	24.6
95°	18.8	15.3	16.2	18.1	20.0	21.8	23.7	24.9	26.1	27.2	28.4
97.5°	65.8	63.4	59.1	50.4	41.7	33.1	24.4	25.8	27.1	28.5	29.8
100°	142.6	144.3	131.1	104.6	78.1	51.7	25.2	26.6	27.9	29.3	30.6
102.5°	188.2	189.3	174.5	145.0	115.5	86.0	56.5	50.9	45.3	39.7	34.1
105°	235.0	235.9	228.3	213.0	197.7	182.5	167.2	137.2	107.2	77.1	47.1
107.5°	284.7	285.5	286.8	289.3	291.9	294.4	297.0	270.9	244.7	218.6	192.5
110°	335.2	335.9	336.8	338.7	340.6	342.4	344.3	338.7	333.1	327.5	321.9

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CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	383.4	384.0	384.9	386.8	388.7	390.5	392.4	393.9	395.5	397.0	398.5
115°	430.9	431.4	432.2	433.7	435.2	436.7	438.2	439.9	441.6	443.3	445.0
117.5°	478.9	479.5	479.9	480.8	481.6	482.5	483.3	484.7	486.0	487.4	488.7
120°	523.7	524.5	524.8	525.3	525.8	526.3	526.8	528.2	529.5	530.9	532.2
122.5°	566.7	567.3	567.6	568.3	569.0	569.6	570.3	571.2	572.0	572.9	573.8
125°	607.0	607.7	608.0	608.7	609.4	610.1	610.8	611.1	611.5	611.8	612.1
127.5°	646.7	647.4	647.8	648.7	649.6	650.4	651.3	651.8	652.3	652.8	653.3
130°	683.4	684.1	684.4	685.1	685.8	686.5	687.2	687.9	688.5	689.2	689.9
132.5°	718.5	719.2	719.5	720.0	720.5	721.0	721.5	722.2	722.9	723.6	724.3
135°	753.1	753.6	753.9	754.6	755.3	755.9	756.6	757.1	757.6	758.1	758.6
137.5°	784.9	785.6	785.8	786.1	786.5	786.8	787.2	788.0	788.9	789.7	790.6
140°	814.2	814.7	814.9	815.4	815.9	816.4	816.9	817.6	818.3	819.0	819.7
142.5°	842.4	842.9	843.2	843.7	844.2	844.7	845.2	845.7	846.2	846.7	847.2
145°	869.0	869.6	869.8	870.1	870.5	870.8	871.2	871.5	871.9	872.2	872.5
147.5°	892.9	893.3	893.5	893.8	894.1	894.5	894.8	895.2	895.5	895.9	896.2
150°	914.4	914.7	914.9	915.2	915.5	915.9	916.2	916.5	916.9	917.2	917.5
152.5°	933.7	933.8	933.9	934.0	934.2	934.3	934.5	935.2	935.9	936.6	937.3
155°	950.8	950.6	950.7	950.8	951.0	951.1	951.3	952.1	953.0	953.8	954.7
157.5°	967.4	967.4	967.3	967.1	967.0	966.8	966.6	967.6	968.6	969.7	970.7
160°	980.4	980.3	980.2	980.1	979.9	979.8	979.6	980.6	981.6	982.7	983.7
162.5°	992.1	991.8	991.7	991.5	991.4	991.2	991.0	992.2	993.4	994.6	995.8
165°	1002.0	1001.7	1001.6	1001.5	1001.3	1001.2	1001.0	1002.4	1003.7	1005.1	1006.4
167.5°	1009.6	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1010.7	1012.1	1013.4	1014.8
170°	1016.5	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1017.6	1018.9	1020.3	1021.6
172.5°	1020.4	1020.0	1020.1	1020.3	1020.4	1020.6	1020.8	1022.2	1023.5	1024.9	1026.2
175°	1024.3	1023.9	1024.0	1024.1	1024.3	1024.4	1024.6	1025.8	1027.0	1028.2	1029.4
177.5°	1025.8	1025.4	1025.5	1025.6	1025.8	1025.9	1026.1	1027.5	1028.9	1030.2	1031.6
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1161.9	1163.0	1159.8	1153.5	1152.5	1154.6	1160.9	1158.8	1153.5	1163.0	1154.6
5°	1097.7	1092.5	1090.4	1092.5	1086.2	1083.0	1089.3	1086.2	1089.3	1090.4	1093.5
7.5°	1035.6	1036.7	1030.4	1031.4	1023.0	1025.1	1025.1	1025.1	1028.3	1030.4	1034.6
10°	982.0	984.1	976.7	977.7	971.4	967.2	970.4	976.7	976.7	976.7	978.8
12.5°	938.8	929.3	924.1	923.0	915.7	913.5	919.9	922.0	927.2	927.2	930.4
15°	885.1	883.0	878.8	878.8	860.9	865.1	867.2	874.6	885.1	876.7	878.8
17.5°	836.7	831.5	826.2	824.1	822.0	815.7	824.1	823.0	829.3	830.4	833.6
20°	793.6	789.4	778.8	779.9	782.0	772.5	777.8	777.8	784.1	790.4	797.8
22.5°	751.5	747.3	742.0	744.1	737.8	735.7	735.7	740.9	748.3	753.6	752.5
25°	718.8	711.5	708.3	705.2	702.0	704.1	700.9	706.2	711.5	714.6	711.5
27.5°	682.0	678.8	672.5	669.4	664.1	666.2	668.3	672.5	675.7	675.7	678.8
30°	646.2	642.0	639.9	636.7	636.7	632.5	633.6	637.8	641.0	644.1	648.3
32.5°	611.5	608.3	605.2	605.2	603.1	602.0	601.0	607.3	607.3	613.6	613.6
35°	583.1	577.8	577.8	572.5	574.7	573.6	571.5	575.7	576.8	581.0	579.9
37.5°	551.5	551.5	549.4	544.1	539.9	541.0	546.2	546.2	549.4	548.3	551.5
40°	519.9	517.8	517.8	514.7	513.6	512.6	513.6	514.7	519.9	518.9	519.9
42.5°	488.3	489.4	484.1	484.1	484.1	481.0	482.0	483.1	485.2	487.3	490.5
45°	457.8	455.7	454.7	452.6	450.5	451.5	450.5	454.7	453.6	455.7	458.9
47.5°	425.2	422.0	421.0	416.8	416.8	418.9	417.8	421.0	422.0	425.2	423.1
50°	393.6	389.4	386.3	387.3	381.0	383.1	383.1	386.3	389.4	390.5	392.6
52.5°	356.8	355.7	354.7	349.4	348.4	347.3	348.4	349.4	353.6	356.8	357.8
55°	321.0	320.0	313.6	311.5	308.4	308.4	310.5	311.5	318.9	320.0	324.2
57.5°	288.4	285.2	277.9	276.8	276.8	276.8	273.6	277.9	280.0	285.2	285.2
60°	252.6	252.6	246.3	246.3	247.3	246.3	246.3	247.3	247.3	251.5	253.6
62.5°	224.2	223.1	223.1	221.0	220.0	221.0	220.0	220.0	221.0	224.2	227.3
65°	198.9	197.9	196.8	195.8	193.7	193.7	194.7	196.8	196.8	198.9	200.0
67.5°	174.7	174.7	172.6	172.6	171.6	170.5	171.6	170.5	174.7	174.7	175.8
70°	150.5	149.5	146.3	145.2	142.1	143.1	143.1	146.3	147.3	149.5	151.6
72.5°	121.0	121.0	118.9	116.8	117.9	115.8	115.8	116.8	116.8	120.0	121.0
75°	100.0	97.9	96.8	97.9	96.8	98.9	96.8	96.8	98.9	98.9	98.9
77.5°	82.1	82.1	81.0	81.0	82.1	81.0	82.1	82.1	82.1	81.0	82.1
80°	67.4	66.3	66.3	66.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
82.5°	50.5	50.5	49.5	50.5	50.5	49.5	50.5	49.5	49.5	50.5	50.5
85°	33.7	35.8	33.7	33.7	34.7	34.7	35.8	34.7	35.8	33.7	34.7
87.5°	17.9	18.9	18.9	17.9	17.9	18.9	18.9	18.9	20.0	17.9	18.9
90°	21.4	21.6	21.9	22.2	22.6	22.9	22.6	22.2	21.9	21.6	21.4
92.5°	25.2	25.3	25.5	25.6	25.8	26.0	25.8	25.6	25.5	25.3	25.2
95°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
97.5°	30.5	30.6	30.8	30.9	31.1	31.3	31.1	30.9	30.8	30.6	30.5
100°	31.3	31.4	31.6	31.7	31.9	32.1	31.9	31.7	31.6	31.4	31.3
102.5°	31.3	31.5	31.8	32.1	32.5	32.8	32.5	32.1	31.8	31.5	31.3
105°	32.1	32.3	32.6	32.9	33.3	33.6	33.3	32.9	32.6	32.3	32.1
107.5°	179.4	168.3	146.1	123.8	101.6	79.4	101.6	123.8	146.1	168.3	179.4
110°	319.1	307.0	282.7	258.5	234.2	210.0	234.2	258.5	282.7	307.0	319.1

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	399.3	399.1	398.8	398.5	398.1	397.8	398.1	398.5	398.8	399.1	399.3
115°	445.9	446.2	446.9	447.6	448.2	448.9	448.2	447.6	446.9	446.2	445.9
117.5°	489.4	489.5	489.7	489.8	490.0	490.2	490.0	489.8	489.7	489.5	489.4
120°	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9	532.9
122.5°	574.2	574.3	574.4	574.6	574.7	574.9	574.7	574.6	574.4	574.3	574.2
125°	612.3	612.5	612.8	613.2	613.5	613.9	613.5	613.2	612.8	612.5	612.3
127.5°	653.6	653.4	653.1	652.7	652.4	652.0	652.4	652.7	653.1	653.4	653.6
130°	690.2	690.0	689.7	689.4	689.0	688.7	689.0	689.4	689.7	690.0	690.2
132.5°	724.6	724.3	723.8	723.3	722.8	722.3	722.8	723.3	723.8	724.3	724.6
135°	758.9	758.6	758.1	757.6	757.1	756.6	757.1	757.6	758.1	758.6	758.9
137.5°	791.0	790.8	790.5	790.2	789.8	789.5	789.8	790.2	790.5	790.8	791.0
140°	820.0	819.8	819.5	819.2	818.8	818.5	818.8	819.2	819.5	819.8	820.0
142.5°	847.5	847.2	846.7	846.2	845.7	845.2	845.7	846.2	846.7	847.2	847.5
145°	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7	872.7
147.5°	896.4	896.0	895.1	894.2	893.4	892.5	893.4	894.2	895.1	896.0	896.4
150°	917.7	917.4	916.9	916.4	915.9	915.4	915.9	916.4	916.9	917.4	917.7
152.5°	937.6	937.2	936.3	935.5	934.6	933.8	934.6	935.5	936.3	937.2	937.6
155°	955.1	954.6	953.6	952.6	951.6	950.6	951.6	952.6	953.6	954.6	955.1
157.5°	971.2	970.5	969.2	967.8	966.5	965.1	966.5	967.8	969.2	970.5	971.2
160°	984.2	983.6	982.4	981.2	980.0	978.8	980.0	981.2	982.4	983.6	984.2
162.5°	996.4	995.9	994.9	993.8	992.8	991.8	992.8	993.8	994.9	995.9	996.4
165°	1007.1	1006.5	1005.3	1004.1	1002.9	1001.7	1002.9	1004.1	1005.3	1006.5	1007.1
167.5°	1015.5	1014.8	1013.4	1012.1	1010.7	1009.3	1010.7	1012.1	1013.4	1014.8	1015.5
170°	1022.3	1021.6	1020.3	1018.9	1017.6	1016.2	1017.6	1018.9	1020.3	1021.6	1022.3
172.5°	1026.9	1026.1	1024.6	1023.1	1021.5	1020.0	1021.5	1023.1	1024.6	1026.1	1026.9
175°	1030.0	1029.3	1028.0	1026.6	1025.3	1023.9	1025.3	1026.6	1028.0	1029.3	1030.0
177.5°	1032.3	1031.4	1029.7	1028.0	1026.3	1024.6	1026.3	1028.0	1029.7	1031.4	1032.3
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

TEST NUMBER: P1011010

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1163.0	1167.2	1163.0	1154.6	1163.0	1168.2	1173.5	1181.9	1186.1	1186.1	1192.5
5°	1096.7	1105.1	1101.9	1099.8	1108.3	1113.5	1121.9	1132.5	1144.0	1151.4	1159.8
7.5°	1037.7	1043.0	1048.3	1048.3	1056.7	1068.3	1080.9	1093.5	1108.3	1118.8	1125.1
10°	986.2	990.4	993.5	997.7	1010.4	1023.0	1039.8	1055.6	1068.3	1079.8	1090.4
12.5°	936.7	943.0	950.4	953.5	963.0	978.8	994.6	1013.5	1033.5	1045.1	1055.6
15°	889.3	892.5	900.9	910.4	918.8	935.6	955.6	975.6	992.5	1010.4	1019.8
17.5°	840.9	842.0	864.1	858.8	886.2	902.0	912.5	931.4	958.8	973.5	988.3
20°	793.6	804.1	813.6	818.8	833.6	851.5	882.0	896.7	918.8	932.5	945.1
22.5°	756.7	772.5	772.5	785.1	792.5	809.4	831.5	859.9	884.1	893.6	911.4
25°	724.1	731.5	744.1	748.3	762.0	776.7	791.5	822.0	848.3	860.9	873.6
27.5°	682.0	691.5	708.3	708.3	726.2	742.0	759.9	779.9	806.2	824.1	837.8
30°	649.4	658.8	666.2	677.8	685.2	699.9	731.5	746.2	769.4	785.1	802.0
32.5°	618.9	626.2	632.5	645.2	653.6	670.4	687.3	713.6	733.6	748.3	766.2
35°	585.2	592.5	601.0	610.4	623.1	638.9	654.6	676.7	696.7	710.4	725.2
37.5°	553.6	558.9	571.5	577.8	588.3	603.1	623.1	646.2	664.1	674.6	689.4
40°	523.1	527.3	536.8	548.3	555.7	567.3	588.3	608.3	630.4	643.1	654.6
42.5°	490.5	495.7	504.1	515.7	527.3	539.9	551.5	574.7	594.6	605.2	617.8
45°	462.0	465.2	471.5	483.1	494.7	504.1	522.0	543.1	562.0	570.4	584.1
47.5°	428.4	431.5	441.0	446.2	458.9	471.5	489.4	510.5	527.3	535.7	548.3
50°	393.6	396.8	403.1	414.7	423.1	436.8	452.6	470.5	491.5	503.1	510.5
52.5°	359.9	366.3	371.5	381.0	391.5	405.2	419.9	436.8	454.7	466.2	474.7
55°	326.3	331.5	337.8	343.1	355.7	368.4	385.2	401.0	416.8	427.3	436.8
57.5°	288.4	295.7	302.1	312.6	322.1	332.6	351.5	364.2	383.1	390.5	398.9
60°	255.8	263.1	268.4	276.8	285.2	298.9	311.5	327.3	343.1	352.6	363.1
62.5°	228.4	231.5	234.7	243.1	251.5	264.2	276.8	292.6	309.4	314.7	323.1
65°	201.0	204.2	209.4	216.8	223.1	230.5	244.2	256.8	272.6	281.0	284.2
67.5°	177.9	181.0	182.1	187.3	192.6	201.0	208.4	221.0	235.8	241.0	247.3
70°	151.6	156.8	157.9	162.1	164.2	169.4	177.9	187.3	198.9	208.4	213.7
72.5°	121.0	128.4	130.5	136.8	140.0	145.2	151.6	158.9	166.3	170.5	174.7
75°	98.9	101.0	102.1	107.4	112.6	120.0	123.1	127.3	133.7	138.9	143.1
77.5°	82.1	83.1	84.2	84.2	85.3	89.5	95.8	101.0	105.2	107.4	110.5
80°	66.3	65.3	65.3	66.3	66.3	66.3	68.4	75.8	77.9	83.1	82.1
82.5°	51.6	49.5	50.5	49.5	49.5	49.5	49.5	50.5	50.5	53.7	55.8
85°	33.7	34.7	33.7	33.7	32.6	33.7	32.6	32.6	31.6	31.6	30.5
87.5°	17.9	18.9	17.9	17.9	16.8	17.9	16.8	16.8	15.8	15.8	13.7
90°	21.1	20.4	19.7	19.0	18.3	16.1	13.9	11.7	9.5	8.4	7.6
92.5°	24.6	23.4	22.3	21.1	19.9	18.4	16.8	15.3	13.8	13.0	13.5
95°	28.4	27.2	26.1	24.9	23.7	21.8	20.0	18.1	16.2	15.3	18.8
97.5°	29.8	28.5	27.1	25.8	24.4	33.1	41.7	50.4	59.1	63.4	65.8
100°	30.6	29.3	27.9	26.6	25.2	51.7	78.1	104.6	131.1	144.3	142.6
102.5°	34.1	39.7	45.3	50.9	56.5	86.0	115.5	145.0	174.5	189.3	188.2
105°	47.1	77.1	107.2	137.2	167.2	182.5	197.7	213.0	228.3	235.9	235.0
107.5°	192.5	218.6	244.7	270.9	297.0	294.4	291.9	289.3	286.8	285.5	284.7
110°	321.9	327.5	333.1	338.7	344.3	342.4	340.6	338.7	336.8	335.9	335.2

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	398.5	397.0	395.5	393.9	392.4	390.5	388.7	386.8	384.9	384.0	383.4
115°	445.0	443.3	441.6	439.9	438.2	436.7	435.2	433.7	432.2	431.4	430.9
117.5°	488.7	487.4	486.0	484.7	483.3	482.5	481.6	480.8	479.9	479.5	478.9
120°	532.2	530.9	529.5	528.2	526.8	526.3	525.8	525.3	524.8	524.5	523.7
122.5°	573.8	572.9	572.0	571.2	570.3	569.6	569.0	568.3	567.6	567.3	566.7
125°	612.1	611.8	611.5	611.1	610.8	610.1	609.4	608.7	608.0	607.7	607.0
127.5°	653.3	652.8	652.3	651.8	651.3	650.4	649.6	648.7	647.8	647.4	646.7
130°	689.9	689.2	688.5	687.9	687.2	686.5	685.8	685.1	684.4	684.1	683.4
132.5°	724.3	723.6	722.9	722.2	721.5	721.0	720.5	720.0	719.5	719.2	718.5
135°	758.6	758.1	757.6	757.1	756.6	755.9	755.3	754.6	753.9	753.6	753.1
137.5°	790.6	789.7	788.9	788.0	787.2	786.8	786.5	786.1	785.8	785.6	784.9
140°	819.7	819.0	818.3	817.6	816.9	816.4	815.9	815.4	814.9	814.7	814.2
142.5°	847.2	846.7	846.2	845.7	845.2	844.7	844.2	843.7	843.2	842.9	842.4
145°	872.5	872.2	871.9	871.5	871.2	870.8	870.5	870.1	869.8	869.6	869.0
147.5°	896.2	895.9	895.5	895.2	894.8	894.5	894.1	893.8	893.5	893.3	892.9
150°	917.5	917.2	916.9	916.5	916.2	915.9	915.5	915.2	914.9	914.7	914.4
152.5°	937.3	936.6	935.9	935.2	934.5	934.3	934.2	934.0	933.9	933.8	933.7
155°	954.7	953.8	953.0	952.1	951.3	951.1	951.0	950.8	950.7	950.6	950.8
157.5°	970.7	969.7	968.6	967.6	966.6	966.8	967.0	967.1	967.3	967.4	967.4
160°	983.7	982.7	981.6	980.6	979.6	979.8	979.9	980.1	980.2	980.3	980.4
162.5°	995.8	994.6	993.4	992.2	991.0	991.2	991.4	991.5	991.7	991.8	992.1
165°	1006.4	1005.1	1003.7	1002.4	1001.0	1001.2	1001.3	1001.5	1001.6	1001.7	1002.0
167.5°	1014.8	1013.4	1012.1	1010.7	1009.3	1009.3	1009.3	1009.3	1009.3	1009.3	1009.6
170°	1021.6	1020.3	1018.9	1017.6	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.5
172.5°	1026.2	1024.9	1023.5	1022.2	1020.8	1020.6	1020.4	1020.3	1020.1	1020.0	1020.4
175°	1029.4	1028.2	1027.0	1025.8	1024.6	1024.4	1024.3	1024.1	1024.0	1023.9	1024.3
177.5°	1031.6	1030.2	1028.9	1027.5	1026.1	1025.9	1025.8	1025.6	1025.5	1025.4	1025.8
180°	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7	1027.7

TEST NUMBER: P1011010

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1229.3	1229.3	1229.3	1229.3
2.5°	1197.7	1205.1	1219.8	1232.4
5°	1172.5	1184.0	1206.1	1228.2
7.5°	1141.9	1159.8	1188.2	1218.8
10°	1112.5	1135.6	1170.4	1206.1
12.5°	1083.0	1107.2	1144.0	1190.3
15°	1048.3	1073.5	1117.7	1173.5
17.5°	1017.7	1051.4	1091.4	1147.2
20°	985.1	1010.4	1061.9	1120.9
22.5°	944.1	986.2	1034.6	1096.7
25°	911.4	948.3	996.7	1067.2
27.5°	871.4	914.6	973.5	1035.6
30°	838.8	874.6	929.3	1004.1
32.5°	800.9	843.0	899.9	973.5
35°	767.3	803.0	856.7	931.4
37.5°	727.3	766.2	826.2	892.5
40°	692.5	730.4	787.3	849.3
42.5°	650.4	690.4	747.3	799.9
45°	616.7	653.6	698.8	747.3
47.5°	575.7	614.6	658.8	692.5
50°	538.9	574.7	609.4	637.8
52.5°	498.9	531.5	563.1	584.1
55°	462.0	487.3	512.6	527.3
57.5°	418.9	443.1	464.1	472.6
60°	381.0	401.0	414.7	424.1
62.5°	341.0	355.7	366.3	371.5
65°	302.1	312.6	317.8	323.1
67.5°	262.1	271.5	274.7	281.0
70°	220.0	230.5	232.6	235.8
72.5°	188.4	188.4	192.6	196.8
75°	150.5	152.6	154.7	154.7
77.5°	117.9	117.9	120.0	121.0
80°	86.3	87.4	87.4	86.3
82.5°	58.9	61.0	58.9	57.9
85°	32.6	36.8	34.7	34.7
87.5°	13.7	13.7	15.8	13.7
90°	5.9	4.2	2.5	0.8
92.5°	14.5	15.6	16.6	17.6
95°	25.7	32.7	39.6	46.6
97.5°	70.5	75.2	80.0	84.7
100°	139.2	135.8	132.4	129.0
102.5°	186.0	183.8	181.6	179.4
105°	233.1	231.2	229.4	227.5
107.5°	283.2	281.7	280.2	278.7
110°	333.9	332.5	331.2	329.8



TEST NUMBER: P1011010

CATALOG NUMBER: S123RDIP-B775D805UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	382.2	381.1	379.9	378.7
115°	429.9	428.8	427.8	426.8
117.5°	477.7	476.5	475.3	474.1
120°	522.2	520.7	519.2	517.7
122.5°	565.5	564.3	563.1	561.9
125°	605.7	604.3	603.0	601.6
127.5°	645.4	644.0	642.7	641.3
130°	682.1	680.7	679.4	678.0
132.5°	717.2	715.8	714.5	713.1
135°	752.1	751.0	750.0	749.0
137.5°	783.6	782.2	780.9	779.5
140°	813.2	812.1	811.1	810.1
142.5°	841.4	840.3	839.3	838.3
145°	867.8	866.7	865.5	864.3
147.5°	892.0	891.2	890.3	889.5
150°	913.9	913.4	912.9	912.4
152.5°	933.5	933.4	933.2	933.0
155°	951.1	951.4	951.8	952.1
157.5°	967.4	967.4	967.4	967.4
160°	980.6	980.7	980.9	981.1
162.5°	992.6	993.1	993.6	994.1
165°	1002.5	1003.0	1003.5	1004.0
167.5°	1010.3	1011.0	1011.7	1012.4
170°	1017.2	1017.9	1018.6	1019.3
172.5°	1021.3	1022.2	1023.0	1023.9
175°	1025.2	1026.0	1026.9	1027.7
177.5°	1026.7	1027.5	1028.4	1029.2
180°	1027.7	1027.7	1027.7	1027.7

(END OF REPORT)