

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: P1033032

Luminaire Tested: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1033032
REPORT IS A COMBINATION OF REPORTS P1000665 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K
Description: Define 4 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

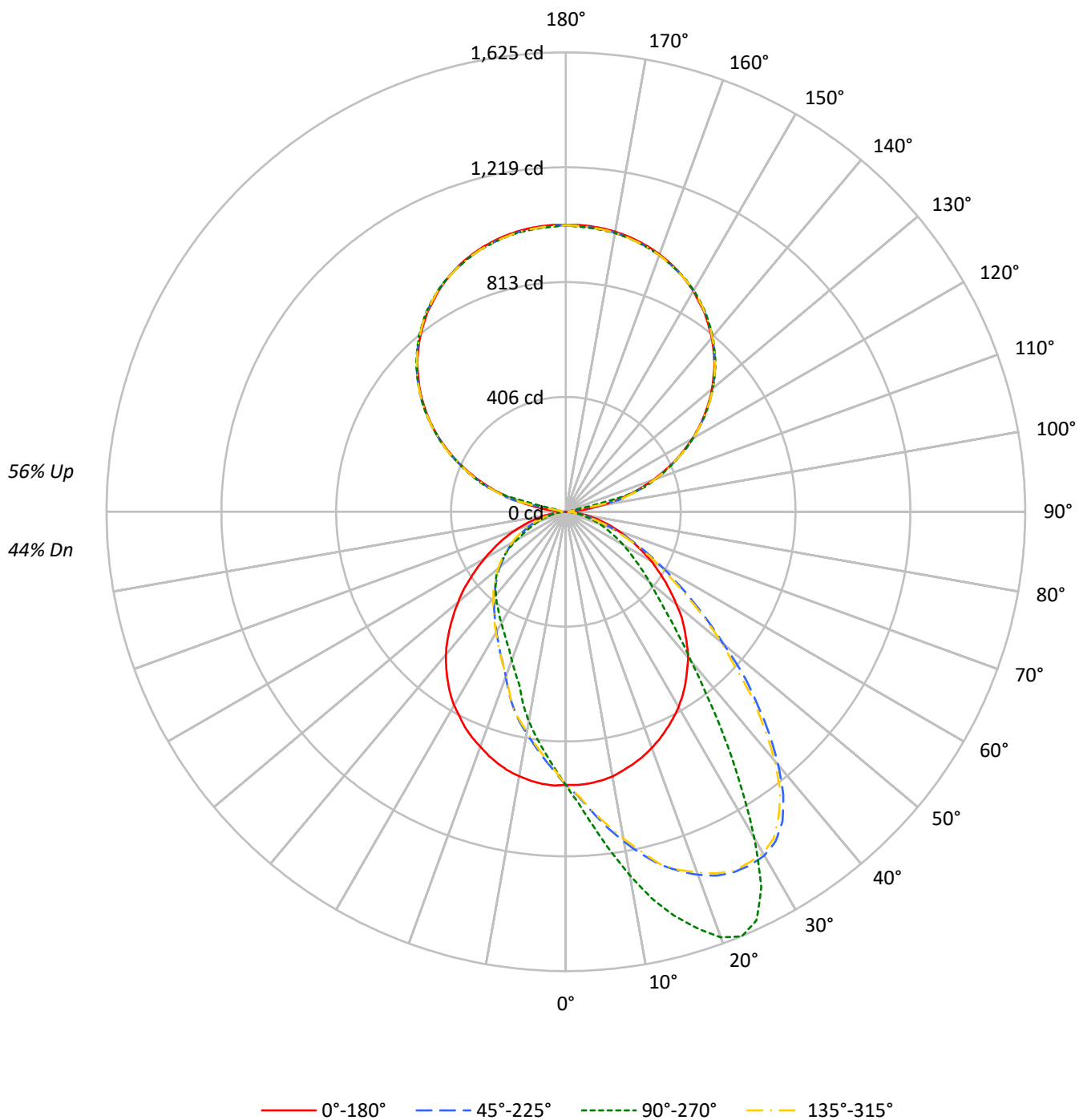
Lumens per Lamp: N/A
Luminaire Lumens: 5581.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 47.2
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



TEST NUMBER: P1033032

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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	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50			44
1	97	93	89	86	88	85	82	79	71	68	66	57	56	55	45	44	43			38
2	88	81	76	71	81	75	70	65	62	59	56	51	48	46	40	39	37			32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32			28
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	32	30	28			24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	29	27	24			21
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22			19
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	22	19			17
8	54	42	34	29	49	39	32	28	33	28	24	28	24	21	22	20	17			15
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	21	18	16			14
10	47	35	28	23	43	33	26	22	28	23	19	23	20	17	19	16	14			12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7877	7877	7877	7877
5°	7878	8902	7890	6804
10°	7836	10261	7829	5916
15°	7742	11548	7742	4953
20°	7645	12521	7605	4362
25°	7525	12574	7491	3939
30°	7399	10692	7341	3650
35°	7219	8068	7128	3433
40°	7020	5847	6882	3263
45°	6691	4444	6524	3114
50°	6300	3591	6128	2895
55°	5876	2974	5684	2603
60°	5451	2514	5209	2165
65°	4919	2048	4761	1720
70°	4428	1661	4221	1397
75°	3882	1198	3611	1025
80°	3200	793	2912	753
85°	2321	409	1928	409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.7
10°-20°	282.5	5.1
20°-30°	442.5	7.9
30°-40°	491.4	8.8
40°-50°	435.4	7.8
50°-60°	339.3	6.1
60°-70°	222.0	4.0
70°-80°	108.9	2.0
80°-90°	28.6	0.5
90°-100°	33.6	0.6
100°-110°	221.6	4.0
110°-120°	423.2	7.6
120°-130°	537.2	9.6
130°-140°	574.7	10.3
140°-150°	537.4	9.6
150°-160°	433.4	7.8
160°-170°	279.5	5.0
170°-180°	96.3	1.7
0°-30°	818.5	14.7
0°-40°	1309.9	23.5
0°-60°	2084.6	37.4
0°-90°	2444.1	43.8
90°-120°	678.4	12.2
90°-150°	2327.8	41.7
90°-180°	3137.0	56.2
0°-180°	5581.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	966	966	966	966	966	
5°	964	1116	966	853	964	92
15°	923	1479	923	634	923	260
25°	846	1595	842	500	846	390
35°	738	982	729	418	738	461
45°	595	502	580	352	595	459
55°	428	300	414	262	428	383
65°	269	175	260	147	269	268
75°	135	81	125	69	135	143
85°	32	20	26	20	32	36
90°	2	23	2	23	2	4
95°	42	22	42	22	42	51
105°	228	216	228	216	228	239
115°	426	429	426	429	426	419
125°	599	604	599	604	599	535
135°	743	748	743	748	743	573
145°	857	861	857	861	857	535
155°	939	939	939	939	939	433
165°	991	986	991	986	991	280
175°	1014	1008	1014	1008	1014	97
180°	1014	1014	1014	1014	1014	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	967.6	976.1	980.8	984.7	992.5	995.6	1001.8	1003.4	1009.6	1008.8	1006.5
5°	964.5	979.3	990.2	1001.8	1015.8	1023.6	1032.2	1044.6	1050.9	1059.4	1064.9
7.5°	959.0	979.3	997.2	1015.1	1037.6	1050.1	1061.0	1080.5	1096.8	1110.8	1126.4
10°	950.5	976.1	1002.6	1026.7	1057.9	1072.7	1089.0	1117.8	1140.4	1159.9	1184.8
12.5°	937.2	973.0	1002.6	1035.3	1075.0	1095.2	1117.0	1151.3	1177.8	1209.7	1240.8
15°	923.2	962.9	1001.8	1044.6	1089.8	1113.1	1134.9	1180.9	1221.3	1257.9	1292.2
17.5°	907.6	951.2	994.0	1041.5	1096.0	1124.8	1150.5	1205.8	1250.2	1297.6	1331.9
20°	889.0	936.4	985.5	1038.4	1099.9	1131.8	1160.6	1223.7	1272.7	1324.1	1366.9
22.5°	868.7	920.1	973.8	1031.4	1095.2	1130.3	1163.7	1231.5	1288.3	1335.8	1393.4
25°	846.1	900.6	955.9	1016.6	1088.2	1126.4	1160.6	1227.6	1288.3	1350.6	1406.6
27.5°	822.8	878.8	936.4	1000.3	1073.4	1110.8	1149.7	1214.3	1285.2	1352.9	1409.7
30°	797.1	851.6	912.3	973.0	1050.9	1088.2	1127.9	1198.0	1275.1	1342.8	1404.3
32.5°	769.1	825.1	882.7	945.8	1022.1	1062.6	1099.1	1178.5	1257.2	1324.1	1381.7
35°	737.9	790.9	845.4	910.0	985.5	1022.1	1065.7	1148.2	1227.6	1298.4	1335.8
37.5°	704.5	755.1	805.7	869.5	941.9	986.3	1029.1	1112.4	1196.4	1243.9	1263.4
40°	673.3	717.7	762.1	823.6	896.7	942.7	986.3	1072.7	1146.6	1183.2	1168.4
42.5°	633.6	679.6	719.3	776.1	850.0	892.9	937.2	1026.7	1086.7	1101.5	1064.9
45°	594.7	632.9	671.0	726.3	804.1	840.7	888.2	971.5	1021.3	1008.1	954.3
47.5°	556.6	587.7	623.5	677.2	747.3	790.9	835.3	907.6	942.7	924.0	849.3
50°	511.4	542.6	579.9	626.6	694.4	736.4	771.4	838.4	864.8	818.9	728.6
52.5°	468.6	495.9	527.8	571.4	636.0	674.1	712.3	769.9	778.4	725.5	630.5
55°	428.1	449.9	483.4	518.4	577.6	618.1	644.5	693.6	691.2	625.1	543.3
57.5°	386.1	406.3	428.9	465.5	521.5	551.9	580.7	623.5	600.9	544.9	463.9
60°	348.7	360.4	383.0	418.0	465.5	492.0	514.5	537.9	518.4	457.7	395.4
62.5°	307.5	320.7	337.1	365.1	407.1	432.0	448.4	458.5	438.3	391.5	334.7
65°	268.6	280.2	297.4	322.3	354.2	372.9	381.4	388.4	377.5	324.6	279.5
67.5°	233.5	241.3	256.9	273.2	307.5	312.1	323.8	326.9	305.1	264.7	228.9
70°	198.5	206.3	213.3	232.7	248.3	256.9	259.2	259.2	237.4	211.0	181.4
72.5°	165.8	170.5	177.5	190.7	199.3	205.5	208.6	204.7	184.5	162.7	140.9
75°	134.7	137.0	143.2	151.8	158.8	156.5	155.7	151.0	136.2	120.7	108.2
77.5°	103.5	105.1	112.1	114.4	114.4	116.8	113.7	109.0	96.5	84.8	79.4
80°	77.8	80.2	81.0	82.5	81.0	81.0	78.6	70.8	64.6	59.2	55.3
82.5°	53.7	55.3	56.0	53.7	55.3	52.9	49.0	43.6	39.7	38.9	37.4
85°	31.9	32.7	31.9	31.9	29.6	28.8	25.7	24.9	23.4	23.4	22.6
87.5°	15.6	14.8	13.2	11.7	11.7	10.9	11.7	10.1	11.7	10.9	10.1
90°	2.3	4.1	6.0	7.8	9.7	10.6	11.3	12.6	14.0	15.3	16.7
92.5°	11.4	11.1	10.7	10.4	10.1	9.9	10.6	11.9	13.2	14.6	15.9
95°	41.7	36.0	30.2	24.5	18.8	15.9	16.0	16.2	16.3	16.5	16.7
97.5°	79.6	83.3	87.0	90.7	94.4	96.3	87.5	69.8	52.1	34.4	16.7
100°	124.3	127.3	130.4	133.4	136.5	138.0	126.4	103.1	79.9	56.6	33.4
102.5°	174.4	176.4	178.4	180.5	182.5	183.5	184.5	186.5	188.6	190.6	192.6
105°	228.2	229.2	230.2	231.3	232.3	232.8	233.2	234.1	234.9	235.8	236.6
107.5°	277.5	278.0	278.5	279.0	279.5	279.8	280.4	281.6	282.7	283.9	285.1
110°	327.6	328.1	328.6	329.1	329.6	329.8	330.3	331.3	332.4	333.4	334.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	376.1	377.1	378.1	379.1	380.1	380.6	380.8	381.1	381.4	381.8	382.1
115°	426.1	426.6	427.1	427.6	428.1	428.4	428.3	428.1	428.0	427.8	427.6
117.5°	470.9	471.6	472.2	472.9	473.6	473.9	474.2	474.7	475.2	475.7	476.2
120°	516.4	517.1	517.7	518.4	519.1	519.4	519.3	519.1	519.0	518.8	518.6
122.5°	558.8	559.1	559.5	559.8	560.1	560.3	560.5	560.8	561.1	561.5	561.8
125°	599.0	599.7	600.3	601.0	601.7	602.0	601.8	601.5	601.2	600.8	600.5
127.5°	637.7	637.9	638.0	638.2	638.3	638.4	638.8	639.7	640.5	641.4	642.2
130°	674.8	675.0	675.2	675.3	675.5	675.6	675.9	676.4	676.9	677.4	677.9
132.5°	708.9	709.3	709.6	710.0	710.3	710.5	710.8	711.5	712.2	712.8	713.5
135°	743.1	742.9	742.7	742.6	742.4	742.3	742.6	743.3	744.0	744.6	745.3
137.5°	773.4	773.4	773.4	773.4	773.4	773.4	773.8	774.7	775.5	776.4	777.2
140°	803.0	803.3	803.7	804.0	804.3	804.5	804.7	805.0	805.3	805.7	806.0
142.5°	829.5	830.2	830.8	831.5	832.2	832.5	832.6	832.8	832.9	833.1	833.3
145°	856.8	857.3	857.8	858.3	858.8	859.1	859.1	859.1	859.1	859.1	859.1
147.5°	878.0	879.0	880.0	881.1	882.1	882.6	882.5	882.3	882.2	882.0	881.8
150°	901.5	902.2	902.9	903.6	904.3	904.6	904.5	904.3	904.2	904.0	903.8
152.5°	921.2	921.7	922.2	922.7	923.2	923.5	923.3	923.0	922.7	922.3	922.0
155°	939.4	939.6	939.8	939.9	940.1	940.2	939.9	939.4	938.9	938.4	937.9
157.5°	955.4	955.4	955.4	955.4	955.4	955.4	955.1	954.4	953.7	953.0	952.3
160°	969.0	968.5	968.0	967.5	967.0	966.7	966.6	966.5	966.3	966.2	966.0
162.5°	981.1	980.4	979.8	979.1	978.4	978.1	978.0	977.9	977.7	977.6	977.4
165°	991.0	990.2	989.3	988.5	987.6	987.2	987.2	987.2	987.2	987.2	987.2
167.5°	999.3	998.5	997.7	996.8	996.0	995.6	995.5	995.3	995.2	995.0	994.8
170°	1006.2	1005.2	1004.2	1003.1	1002.1	1001.6	1001.7	1001.9	1002.0	1002.2	1002.4
172.5°	1010.7	1009.7	1008.7	1007.7	1006.7	1006.2	1006.3	1006.4	1006.6	1006.7	1006.9
175°	1013.8	1012.8	1011.8	1010.7	1009.7	1009.2	1009.3	1009.5	1009.6	1009.8	1010.0
177.5°	1016.0	1014.8	1013.6	1012.5	1011.3	1010.7	1010.9	1011.2	1011.5	1011.9	1012.2
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	1012.7	1021.3	1022.1	1029.9	1027.5	1023.6	1030.6	1026.0	1035.3	1032.2	1036.1
5°	1071.9	1083.6	1093.7	1099.9	1110.8	1108.5	1120.2	1116.3	1124.8	1116.3	1127.2
7.5°	1141.2	1160.6	1170.8	1187.1	1191.8	1192.5	1206.6	1209.7	1215.1	1209.7	1215.9
10°	1208.9	1232.2	1255.6	1268.8	1277.4	1289.1	1301.5	1307.0	1310.9	1305.4	1309.3
12.5°	1270.4	1307.0	1332.7	1359.1	1365.4	1375.5	1388.7	1387.2	1402.7	1399.6	1406.6
15°	1327.2	1367.7	1398.8	1419.8	1437.0	1445.5	1470.4	1472.0	1471.2	1479.0	1474.3
17.5°	1377.8	1412.1	1456.4	1483.7	1504.7	1504.7	1518.7	1547.5	1545.2	1544.4	1549.1
20°	1419.1	1458.0	1499.2	1545.2	1562.3	1565.4	1584.9	1599.7	1602.0	1602.0	1602.0
22.5°	1450.2	1496.1	1540.5	1573.2	1586.4	1597.3	1614.5	1623.8	1626.9	1625.4	1626.9
25°	1465.8	1509.4	1554.5	1584.1	1591.9	1598.1	1599.7	1605.1	1604.3	1595.0	1600.4
27.5°	1468.9	1510.9	1540.5	1548.3	1544.4	1540.5	1515.6	1517.9	1510.9	1496.9	1502.4
30°	1454.9	1477.5	1476.7	1452.5	1445.5	1429.2	1406.6	1373.1	1345.9	1334.2	1338.1
32.5°	1404.3	1404.3	1376.3	1321.8	1297.6	1268.1	1227.6	1197.2	1161.4	1153.6	1168.4
35°	1334.2	1294.5	1243.1	1171.5	1134.9	1113.1	1043.1	1021.3	990.9	982.4	989.4
37.5°	1225.2	1159.1	1084.3	1017.4	986.3	947.3	885.8	854.7	832.9	818.1	825.1
40°	1103.0	1022.9	945.0	862.5	828.2	796.3	750.4	722.4	687.3	688.9	691.2
42.5°	986.3	892.1	804.9	728.6	695.9	669.4	637.5	603.3	590.8	586.9	583.0
45°	862.5	762.1	680.3	623.5	593.9	569.0	539.4	520.0	505.2	502.1	506.0
47.5°	745.7	660.9	583.0	530.1	506.0	493.5	470.2	452.3	442.9	435.1	439.8
50°	639.9	560.5	498.2	453.8	436.7	428.1	406.3	397.0	387.7	385.3	384.5
52.5°	552.7	485.0	431.2	395.4	382.2	377.5	361.2	348.0	340.2	342.5	344.1
55°	473.3	415.7	373.6	344.8	333.9	328.5	316.8	307.5	302.0	299.7	301.3
57.5°	403.2	353.4	323.0	299.7	291.1	288.8	276.3	273.2	269.3	267.0	267.0
60°	339.4	304.4	276.3	263.1	253.8	251.4	242.1	238.2	237.4	235.1	233.5
62.5°	285.7	256.9	237.4	223.4	219.5	218.7	212.5	207.8	205.5	203.9	203.9
65°	239.0	218.0	201.6	191.5	188.4	186.8	179.8	178.3	176.7	175.1	174.4
67.5°	199.3	180.6	168.9	161.9	158.0	158.8	154.9	151.8	151.8	151.0	150.2
70°	161.1	149.5	139.3	135.4	133.9	132.3	130.8	128.4	127.7	127.7	127.7
72.5°	126.9	119.1	113.7	111.3	109.8	108.2	106.6	106.6	106.6	105.9	105.9
75°	97.3	94.2	90.3	88.0	88.0	89.5	87.2	84.8	82.5	81.0	81.7
77.5°	73.2	71.6	69.3	65.4	66.2	64.6	64.6	63.1	63.8	63.8	62.3
80°	53.7	51.4	50.6	48.3	49.0	48.3	47.5	47.5	45.9	45.9	45.9
82.5°	37.4	35.0	35.0	34.3	33.5	33.5	32.7	32.7	33.5	31.9	31.9
85°	22.6	21.8	21.8	20.2	20.2	20.2	20.2	21.0	20.2	19.5	19.5
87.5°	10.1	10.9	10.1	9.3	9.3	9.3	8.6	8.6	7.8	8.6	8.6
90°	17.7	18.7	19.7	20.7	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	16.9	17.9	19.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5
95°	17.7	18.7	19.7	20.7	21.2	21.3	21.5	21.6	21.8	22.0	21.8
97.5°	17.5	18.4	19.2	20.1	20.5	20.6	20.7	20.9	21.0	21.2	21.0
100°	30.5	27.7	24.8	21.9	20.5	20.6	20.7	20.9	21.0	21.2	21.0
102.5°	154.7	116.8	78.9	41.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
105°	238.1	239.6	241.1	242.6	243.4	240.4	234.3	228.2	222.2	216.1	222.2
107.5°	285.9	286.8	287.6	288.5	288.9	289.2	289.9	290.6	291.2	291.9	291.2
110°	334.7	335.1	335.4	335.7	335.9	336.2	336.7	337.2	337.7	338.2	337.7

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	381.9	381.8	381.6	381.5	381.4	381.7	382.4	383.1	383.7	384.4	383.7
115°	428.0	428.3	428.7	429.0	429.2	429.2	429.2	429.2	429.2	429.2	429.2
117.5°	476.0	475.8	475.7	475.5	475.4	475.4	475.4	475.4	475.4	475.4	475.4
120°	518.9	519.3	519.6	519.9	520.1	519.9	519.6	519.3	518.9	518.6	518.9
122.5°	562.0	562.2	562.3	562.5	562.6	562.4	562.1	561.8	561.4	561.1	561.4
125°	601.0	601.5	602.0	602.5	602.8	602.9	603.1	603.2	603.4	603.6	603.4
127.5°	642.0	641.9	641.7	641.6	641.5	641.4	641.2	641.1	640.9	640.7	640.9
130°	678.1	678.2	678.4	678.5	678.6	678.6	678.6	678.6	678.6	678.6	678.6
132.5°	713.7	713.9	714.0	714.2	714.3	714.2	714.0	713.9	713.7	713.5	713.7
135°	745.7	746.0	746.4	746.7	746.9	747.1	747.4	747.7	748.1	748.4	748.1
137.5°	777.5	777.9	778.2	778.5	778.7	778.6	778.4	778.3	778.1	777.9	778.1
140°	806.5	807.0	807.5	808.0	808.3	808.4	808.5	808.7	808.8	809.0	808.8
142.5°	833.6	834.0	834.3	834.6	834.8	834.8	834.8	834.8	834.8	834.8	834.8
145°	859.3	859.4	859.6	859.7	859.8	860.0	860.3	860.6	861.0	861.3	861.0
147.5°	882.0	882.2	882.3	882.5	882.6	882.7	882.8	883.0	883.1	883.3	883.1
150°	903.8	903.8	903.8	903.8	903.8	903.9	904.1	904.2	904.4	904.6	904.4
152.5°	922.3	922.7	923.0	923.3	923.5	923.4	923.3	923.1	923.0	922.8	923.0
155°	938.6	939.3	940.0	940.7	941.0	940.7	940.2	939.7	939.2	938.7	939.2
157.5°	953.1	954.0	954.8	955.7	956.1	955.7	954.8	954.0	953.1	952.3	953.1
160°	967.0	968.0	969.0	970.0	970.5	970.0	969.0	968.0	967.0	966.0	967.0
162.5°	978.4	979.4	980.4	981.4	981.9	981.3	980.1	979.0	977.8	976.6	977.8
165°	988.6	989.9	991.3	992.6	993.3	992.5	991.0	989.5	988.0	986.5	988.0
167.5°	996.3	997.8	999.3	1000.8	1001.6	1000.8	999.1	997.4	995.7	994.0	995.7
170°	1003.7	1005.1	1006.4	1007.7	1008.4	1007.6	1005.9	1004.2	1002.6	1000.9	1002.6
172.5°	1008.3	1009.6	1011.0	1012.3	1013.0	1012.1	1010.2	1008.4	1006.5	1004.7	1006.5
175°	1011.5	1013.0	1014.5	1016.0	1016.8	1015.8	1013.8	1011.7	1009.7	1007.7	1009.7
177.5°	1013.6	1014.9	1016.3	1017.6	1018.3	1017.3	1015.3	1013.2	1011.2	1009.2	1011.2
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	1038.4	1033.0	1032.2	1032.2	1023.6	1028.3	1019.0	1008.8	1004.2	1004.2	995.6
5°	1124.8	1119.4	1113.9	1105.4	1105.4	1100.7	1085.9	1071.1	1060.2	1050.9	1040.8
7.5°	1213.6	1208.1	1192.5	1184.0	1188.7	1179.3	1159.9	1134.9	1116.3	1101.5	1080.5
10°	1310.1	1295.3	1287.5	1282.8	1266.5	1256.4	1233.8	1197.2	1173.9	1154.4	1127.2
12.5°	1388.7	1393.4	1363.8	1366.1	1349.8	1335.8	1300.7	1265.7	1230.7	1203.4	1163.0
15°	1473.6	1459.5	1441.6	1427.6	1422.2	1405.1	1375.5	1328.8	1290.6	1247.8	1201.9
17.5°	1540.5	1529.6	1512.5	1499.2	1487.6	1446.3	1421.4	1380.1	1328.0	1286.0	1229.9
20°	1597.3	1587.2	1563.1	1554.5	1533.5	1503.9	1468.1	1404.3	1357.6	1311.6	1257.2
22.5°	1621.5	1611.3	1590.3	1579.4	1566.2	1537.4	1503.1	1442.4	1384.8	1327.2	1269.6
25°	1601.2	1601.2	1591.1	1587.2	1575.5	1549.8	1514.8	1463.4	1401.9	1339.7	1271.2
27.5°	1503.1	1522.6	1529.6	1533.5	1533.5	1534.3	1510.1	1460.3	1400.4	1339.7	1268.1
30°	1361.5	1394.2	1423.0	1431.5	1446.3	1462.7	1472.8	1448.6	1394.9	1331.1	1259.5
32.5°	1183.2	1225.2	1279.0	1292.2	1312.4	1361.5	1388.7	1398.8	1369.3	1313.2	1236.9
35°	1005.7	1058.7	1091.4	1131.8	1150.5	1222.9	1283.6	1320.2	1313.2	1279.7	1210.5
37.5°	850.8	881.2	920.9	963.7	1001.1	1070.3	1145.8	1216.7	1245.5	1229.1	1177.0
40°	702.1	737.9	785.4	820.5	846.1	915.4	1008.8	1085.9	1149.0	1159.1	1127.2
42.5°	597.1	632.9	661.7	699.8	720.0	787.0	869.5	966.0	1040.8	1080.5	1066.4
45°	516.1	537.9	561.2	583.0	608.0	667.1	743.4	849.3	933.3	989.4	994.8
47.5°	445.3	464.7	485.0	505.2	519.2	565.1	635.2	721.6	813.5	890.5	920.9
50°	395.4	404.8	419.6	431.2	447.6	487.3	543.3	618.1	715.4	798.7	838.4
52.5°	346.4	358.1	369.8	379.9	390.8	418.8	470.2	534.8	618.8	704.5	753.5
55°	305.1	314.5	325.4	332.4	338.6	363.5	402.4	452.3	524.7	605.6	666.3
57.5°	271.7	275.6	284.9	288.8	295.8	316.0	344.1	388.4	446.8	525.4	575.3
60°	235.1	242.9	249.9	253.0	258.4	272.4	291.9	333.2	383.8	441.4	498.2
62.5°	205.5	208.6	214.1	218.0	221.9	236.6	253.0	284.1	322.3	370.5	422.7
65°	178.3	179.8	182.9	188.4	190.7	201.6	211.0	233.5	269.3	305.9	358.1
67.5°	150.2	151.8	155.7	158.8	161.1	168.1	178.3	194.6	214.1	254.5	283.3
70°	128.4	128.4	130.8	132.3	134.7	137.8	143.2	155.7	173.6	199.3	225.7
72.5°	107.4	107.4	107.4	109.8	109.8	112.1	115.2	123.8	136.2	156.5	173.6
75°	83.3	84.1	85.6	85.6	86.4	89.5	91.9	94.2	100.4	113.7	129.2
77.5°	63.1	64.6	65.4	63.8	65.4	65.4	68.5	71.6	74.7	78.6	90.3
80°	46.7	47.5	45.9	46.7	46.7	48.3	49.8	49.0	50.6	55.3	58.4
82.5°	31.1	31.9	31.9	31.9	31.9	34.3	34.3	33.5	34.3	35.0	35.8
85°	19.5	18.7	18.7	19.5	18.7	18.7	19.5	20.2	19.5	20.2	21.0
87.5°	8.6	8.6	8.6	8.6	7.8	7.8	8.6	7.8	8.6	7.8	7.0
90°	22.0	21.7	21.4	21.2	20.7	19.7	18.7	17.7	16.7	15.3	14.0
92.5°	20.5	20.5	20.5	20.5	20.0	19.0	17.9	16.9	15.9	14.6	13.2
95°	21.6	21.5	21.3	21.2	20.7	19.7	18.7	17.7	16.7	16.5	16.3
97.5°	20.9	20.7	20.6	20.5	20.1	19.2	18.4	17.5	16.7	34.4	52.1
100°	20.9	20.7	20.6	20.5	21.9	24.8	27.7	30.5	33.4	56.6	79.9
102.5°	22.0	22.0	22.0	22.0	41.0	78.9	116.8	154.7	192.6	190.6	188.6
105°	228.2	234.3	240.4	243.4	242.6	241.1	239.6	238.1	236.6	235.8	234.9
107.5°	290.6	289.9	289.2	288.9	288.5	287.6	286.8	285.9	285.1	283.9	282.7
110°	337.2	336.7	336.2	335.9	335.7	335.4	335.1	334.7	334.4	333.4	332.4

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CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	383.1	382.4	381.7	381.4	381.5	381.6	381.8	381.9	382.1	381.8	381.4
115°	429.2	429.2	429.2	429.2	429.0	428.7	428.3	428.0	427.6	427.8	428.0
117.5°	475.4	475.4	475.4	475.4	475.5	475.7	475.8	476.0	476.2	475.7	475.2
120°	519.3	519.6	519.9	520.1	519.9	519.6	519.3	518.9	518.6	518.8	519.0
122.5°	561.8	562.1	562.4	562.6	562.5	562.3	562.2	562.0	561.8	561.5	561.1
125°	603.2	603.1	602.9	602.8	602.5	602.0	601.5	601.0	600.5	600.8	601.2
127.5°	641.1	641.2	641.4	641.5	641.6	641.7	641.9	642.0	642.2	641.4	640.5
130°	678.6	678.6	678.6	678.6	678.5	678.4	678.2	678.1	677.9	677.4	676.9
132.5°	713.9	714.0	714.2	714.3	714.2	714.0	713.9	713.7	713.5	712.8	712.2
135°	747.7	747.4	747.1	746.9	746.7	746.4	746.0	745.7	745.3	744.6	744.0
137.5°	778.3	778.4	778.6	778.7	778.5	778.2	777.9	777.5	777.2	776.4	775.5
140°	808.7	808.5	808.4	808.3	808.0	807.5	807.0	806.5	806.0	805.7	805.3
142.5°	834.8	834.8	834.8	834.8	834.6	834.3	834.0	833.6	833.3	833.1	832.9
145°	860.6	860.3	860.0	859.8	859.7	859.6	859.4	859.3	859.1	859.1	859.1
147.5°	883.0	882.8	882.7	882.6	882.5	882.3	882.2	882.0	881.8	882.0	882.2
150°	904.2	904.1	903.9	903.8	903.8	903.8	903.8	903.8	903.8	904.0	904.2
152.5°	923.1	923.3	923.4	923.5	923.3	923.0	922.7	922.3	922.0	922.3	922.7
155°	939.7	940.2	940.7	941.0	940.7	940.0	939.3	938.6	937.9	938.4	938.9
157.5°	954.0	954.8	955.7	956.1	955.7	954.8	954.0	953.1	952.3	953.0	953.7
160°	968.0	969.0	970.0	970.5	970.0	969.0	968.0	967.0	966.0	966.2	966.3
162.5°	979.0	980.1	981.3	981.9	981.4	980.4	979.4	978.4	977.4	977.6	977.7
165°	989.5	991.0	992.5	993.3	992.6	991.3	989.9	988.6	987.2	987.2	987.2
167.5°	997.4	999.1	1000.8	1001.6	1000.8	999.3	997.8	996.3	994.8	995.0	995.2
170°	1004.2	1005.9	1007.6	1008.4	1007.7	1006.4	1005.1	1003.7	1002.4	1002.2	1002.0
172.5°	1008.4	1010.2	1012.1	1013.0	1012.3	1011.0	1009.6	1008.3	1006.9	1006.7	1006.6
175°	1011.7	1013.8	1015.8	1016.8	1016.0	1014.5	1013.0	1011.5	1010.0	1009.8	1009.6
177.5°	1013.2	1015.3	1017.3	1018.3	1017.6	1016.3	1014.9	1013.6	1012.2	1011.9	1011.5
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	990.9	987.0	984.7	983.9	976.9	973.0	970.7	969.1	966.8	960.6	955.1
5°	1028.3	1017.4	1012.0	1005.7	994.8	982.4	972.3	966.0	958.2	945.8	934.1
7.5°	1063.3	1047.0	1036.1	1027.5	1008.8	988.6	972.3	959.0	944.2	927.1	910.8
10°	1099.9	1073.4	1059.4	1046.2	1019.0	992.5	969.1	949.7	928.7	906.1	888.2
12.5°	1128.7	1093.7	1078.1	1059.4	1026.0	994.8	965.2	938.8	911.5	887.4	861.7
15°	1162.2	1118.6	1100.7	1076.6	1030.6	990.2	952.0	923.2	895.2	859.4	832.1
17.5°	1181.6	1131.1	1105.4	1084.3	1034.5	985.5	941.1	905.3	872.6	836.8	808.0
20°	1201.1	1143.5	1114.7	1085.1	1026.0	973.8	927.1	884.3	850.0	811.1	781.5
22.5°	1207.3	1140.4	1110.0	1082.8	1020.5	962.1	908.4	864.8	825.1	786.2	752.7
25°	1207.3	1139.6	1103.8	1068.8	1003.4	943.5	889.7	842.3	797.9	759.0	725.5
27.5°	1194.9	1124.0	1086.7	1054.8	987.0	922.4	867.2	815.0	772.2	733.3	695.1
30°	1179.3	1101.5	1064.1	1026.0	960.6	899.1	839.1	790.9	745.7	701.4	667.1
32.5°	1159.9	1077.3	1036.1	997.2	927.9	864.1	808.8	761.3	718.5	672.6	634.4
35°	1131.8	1041.5	995.6	961.4	894.4	828.2	775.3	728.6	687.3	639.9	598.6
37.5°	1096.0	1008.8	962.1	920.1	850.8	790.1	740.3	695.1	654.7	611.1	565.1
40°	1054.0	962.9	922.4	878.1	804.9	747.3	700.6	660.1	619.6	578.4	534.0
42.5°	1006.5	916.2	871.1	828.2	758.2	701.4	657.8	621.2	583.8	545.7	498.2
45°	949.7	864.8	821.2	780.8	713.0	654.7	615.0	579.9	548.0	509.1	467.1
47.5°	885.8	811.9	767.5	723.9	657.8	607.2	568.3	538.7	511.4	472.5	434.4
50°	823.6	750.4	714.6	670.2	609.5	562.0	522.3	497.4	476.4	438.3	404.0
52.5°	745.0	689.7	655.4	617.3	558.9	510.6	479.5	457.7	432.8	403.2	372.9
55°	675.7	624.3	597.1	561.2	503.6	460.8	434.4	414.1	394.7	368.2	344.1
57.5°	597.1	565.1	537.9	506.8	449.9	413.3	390.0	372.9	355.0	333.2	313.7
60°	514.5	499.7	473.3	448.4	400.1	368.2	348.7	333.2	316.0	298.1	281.8
62.5°	441.4	432.8	417.2	397.8	352.6	325.4	305.9	294.2	281.8	265.4	249.9
65°	372.1	368.2	353.4	339.4	308.3	284.1	267.0	260.0	246.0	233.5	219.5
67.5°	310.6	305.9	297.4	291.1	264.7	242.1	233.5	224.2	212.5	203.2	191.5
70°	248.3	247.5	242.1	234.3	220.3	203.9	195.4	189.2	177.5	170.5	161.9
72.5°	193.0	196.9	192.3	189.2	179.8	168.1	160.4	156.5	147.1	141.7	135.4
75°	144.0	147.1	149.5	144.0	141.7	136.2	129.2	125.3	120.7	112.9	110.5
77.5°	98.1	105.1	105.1	106.6	107.4	104.3	98.9	95.7	90.3	88.7	85.6
80°	64.6	70.8	71.6	73.2	75.5	75.5	71.6	70.8	65.4	64.6	62.3
82.5°	37.4	42.8	45.9	48.3	47.5	50.6	47.5	46.7	43.6	43.6	42.0
85°	20.2	21.0	22.6	24.1	25.7	27.2	27.2	26.5	25.7	24.9	23.4
87.5°	7.8	7.8	8.6	7.8	8.6	10.1	10.9	10.9	10.1	9.3	7.8
90°	12.6	11.3	10.6	9.7	7.8	6.0	4.1	2.3	4.1	6.0	7.8
92.5°	11.9	10.6	9.9	10.1	10.4	10.7	11.1	11.4	11.1	10.7	10.4
95°	16.2	16.0	15.9	18.8	24.5	30.2	36.0	41.7	36.0	30.2	24.5
97.5°	69.8	87.5	96.3	94.4	90.7	87.0	83.3	79.6	83.3	87.0	90.7
100°	103.1	126.4	138.0	136.5	133.4	130.4	127.3	124.3	127.3	130.4	133.4
102.5°	186.5	184.5	183.5	182.5	180.5	178.4	176.4	174.4	176.4	178.4	180.5
105°	234.1	233.2	232.8	232.3	231.3	230.2	229.2	228.2	229.2	230.2	231.3
107.5°	281.6	280.4	279.8	279.5	279.0	278.5	278.0	277.5	278.0	278.5	279.0
110°	331.3	330.3	329.8	329.6	329.1	328.6	328.1	327.6	328.1	328.6	329.1

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	381.1	380.8	380.6	380.1	379.1	378.1	377.1	376.1	377.1	378.1	379.1
115°	428.1	428.3	428.4	428.1	427.6	427.1	426.6	426.1	426.6	427.1	427.6
117.5°	474.7	474.2	473.9	473.6	472.9	472.2	471.6	470.9	471.6	472.2	472.9
120°	519.1	519.3	519.4	519.1	518.4	517.7	517.1	516.4	517.1	517.7	518.4
122.5°	560.8	560.5	560.3	560.1	559.8	559.5	559.1	558.8	559.1	559.5	559.8
125°	601.5	601.8	602.0	601.7	601.0	600.3	599.7	599.0	599.7	600.3	601.0
127.5°	639.7	638.8	638.4	638.3	638.2	638.0	637.9	637.7	637.9	638.0	638.2
130°	676.4	675.9	675.6	675.5	675.3	675.2	675.0	674.8	675.0	675.2	675.3
132.5°	711.5	710.8	710.5	710.3	710.0	709.6	709.3	708.9	709.3	709.6	710.0
135°	743.3	742.6	742.3	742.4	742.6	742.7	742.9	743.1	742.9	742.7	742.6
137.5°	774.7	773.8	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4
140°	805.0	804.7	804.5	804.3	804.0	803.7	803.3	803.0	803.3	803.7	804.0
142.5°	832.8	832.6	832.5	832.2	831.5	830.8	830.2	829.5	830.2	830.8	831.5
145°	859.1	859.1	859.1	858.8	858.3	857.8	857.3	856.8	857.3	857.8	858.3
147.5°	882.3	882.5	882.6	882.1	881.1	880.0	879.0	878.0	879.0	880.0	881.1
150°	904.3	904.5	904.6	904.3	903.6	902.9	902.2	901.5	902.2	902.9	903.6
152.5°	923.0	923.3	923.5	923.2	922.7	922.2	921.7	921.2	921.7	922.2	922.7
155°	939.4	939.9	940.2	940.1	939.9	939.8	939.6	939.4	939.6	939.8	939.9
157.5°	954.4	955.1	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4	955.4
160°	966.5	966.6	966.7	967.0	967.5	968.0	968.5	969.0	968.5	968.0	967.5
162.5°	977.9	978.0	978.1	978.4	979.1	979.8	980.4	981.1	980.4	979.8	979.1
165°	987.2	987.2	987.2	987.6	988.5	989.3	990.2	991.0	990.2	989.3	988.5
167.5°	995.3	995.5	995.6	996.0	996.8	997.7	998.5	999.3	998.5	997.7	996.8
170°	1001.9	1001.7	1001.6	1002.1	1003.1	1004.2	1005.2	1006.2	1005.2	1004.2	1003.1
172.5°	1006.4	1006.3	1006.2	1006.7	1007.7	1008.7	1009.7	1010.7	1009.7	1008.7	1007.7
175°	1009.5	1009.3	1009.2	1009.7	1010.7	1011.8	1012.8	1013.8	1012.8	1011.8	1010.7
177.5°	1011.2	1010.9	1010.7	1011.3	1012.5	1013.6	1014.8	1016.0	1014.8	1013.6	1012.5
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

TEST NUMBER: P1033032

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	950.5	948.9	947.3	941.1	935.7	926.3	918.5	915.4	914.6	915.4	913.1
5°	923.2	922.4	917.0	906.1	896.0	885.1	877.3	869.5	864.8	864.8	859.4
7.5°	897.5	892.1	887.4	873.4	861.7	846.9	835.3	828.2	824.4	815.8	815.8
10°	870.3	862.5	856.3	843.0	825.9	811.1	796.3	787.8	780.8	774.5	772.2
12.5°	843.0	836.8	825.1	811.1	794.0	775.3	759.7	753.5	737.2	723.9	724.7
15°	817.3	803.3	797.9	777.6	757.4	739.5	716.9	699.0	685.8	677.2	666.3
17.5°	788.5	774.5	764.4	747.3	720.8	692.8	671.0	646.9	633.6	618.8	611.8
20°	756.6	745.0	737.2	709.9	678.0	644.5	620.4	605.6	590.8	579.9	573.7
22.5°	729.4	714.6	705.3	668.7	633.6	600.2	581.5	569.0	556.6	547.2	544.1
25°	694.4	685.8	663.2	631.3	588.5	565.9	549.6	533.2	526.2	520.0	513.0
27.5°	665.6	644.5	629.0	586.9	560.5	534.8	518.4	506.0	497.4	491.2	485.7
30°	629.7	610.3	588.5	553.5	529.3	505.2	490.4	480.3	470.9	467.1	462.4
32.5°	592.4	574.5	553.5	525.4	495.9	477.2	465.5	454.6	448.4	444.5	439.0
35°	558.9	536.3	522.3	495.9	471.7	450.7	439.8	430.5	423.5	421.9	421.1
37.5°	523.1	506.0	492.7	465.5	445.3	427.4	417.2	407.1	403.2	402.4	399.3
40°	492.0	477.2	464.7	439.0	417.2	400.9	393.1	386.9	383.0	383.0	382.2
42.5°	464.7	449.2	436.7	413.3	393.9	379.1	370.5	364.3	362.7	363.5	362.7
45°	434.4	421.1	408.7	384.5	368.2	357.3	348.0	344.8	342.5	343.3	344.1
47.5°	405.6	394.7	382.2	362.7	344.1	332.4	326.9	323.8	323.8	323.8	325.4
50°	379.9	367.4	356.5	336.3	319.2	309.8	305.1	301.3	302.0	302.8	303.6
52.5°	349.5	338.6	330.8	310.6	298.1	286.5	281.0	281.8	281.0	281.0	282.6
55°	323.0	312.1	304.4	285.7	273.2	265.4	260.8	258.4	259.2	257.7	260.8
57.5°	293.5	284.1	278.7	260.8	249.9	242.9	239.0	235.1	236.6	235.9	235.1
60°	267.8	256.9	248.3	235.9	226.5	218.0	215.6	211.7	213.3	211.7	211.0
62.5°	238.2	229.6	223.4	211.0	203.2	196.2	190.7	188.4	187.6	185.3	182.9
65°	208.6	203.9	197.7	185.3	177.5	172.0	168.9	166.6	165.8	159.6	152.6
67.5°	181.4	178.3	172.0	162.7	155.7	150.2	145.6	141.7	137.0	132.3	128.4
70°	155.7	151.0	147.1	138.6	132.3	126.9	122.2	117.5	115.2	110.5	109.0
72.5°	130.8	126.1	122.2	114.4	109.0	103.5	102.0	96.5	94.2	93.4	93.4
75°	105.1	101.2	98.9	91.9	87.2	83.3	81.0	79.4	77.8	76.3	74.0
77.5°	80.2	77.8	76.3	71.6	67.7	65.4	64.6	59.2	57.6	56.0	54.5
80°	58.4	57.6	56.0	52.2	50.6	45.1	45.1	43.6	42.8	42.8	42.8
82.5°	39.7	38.1	37.4	33.5	32.7	31.9	31.1	30.4	31.1	30.4	31.1
85°	21.0	20.2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	18.7	19.5
87.5°	7.8	7.8	7.8	7.8	7.0	7.8	7.8	7.0	7.8	7.8	7.8
90°	9.7	10.6	11.3	12.6	14.0	15.3	16.7	17.7	18.7	19.7	20.7
92.5°	10.1	9.9	10.6	11.9	13.2	14.6	15.9	16.9	17.9	19.0	20.0
95°	18.8	15.9	16.0	16.2	16.3	16.5	16.7	17.7	18.7	19.7	20.7
97.5°	94.4	96.3	87.5	69.8	52.1	34.4	16.7	17.5	18.4	19.2	20.1
100°	136.5	138.0	126.4	103.1	79.9	56.6	33.4	30.5	27.7	24.8	21.9
102.5°	182.5	183.5	184.5	186.5	188.6	190.6	192.6	154.7	116.8	78.9	41.0
105°	232.3	232.8	233.2	234.1	234.9	235.8	236.6	238.1	239.6	241.1	242.6
107.5°	279.5	279.8	280.4	281.6	282.7	283.9	285.1	285.9	286.8	287.6	288.5
110°	329.6	329.8	330.3	331.3	332.4	333.4	334.4	334.7	335.1	335.4	335.7

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	380.1	380.6	380.8	381.1	381.4	381.8	382.1	381.9	381.8	381.6	381.5
115°	428.1	428.4	428.3	428.1	428.0	427.8	427.6	428.0	428.3	428.7	429.0
117.5°	473.6	473.9	474.2	474.7	475.2	475.7	476.2	476.0	475.8	475.7	475.5
120°	519.1	519.4	519.3	519.1	519.0	518.8	518.6	518.9	519.3	519.6	519.9
122.5°	560.1	560.3	560.5	560.8	561.1	561.5	561.8	562.0	562.2	562.3	562.5
125°	601.7	602.0	601.8	601.5	601.2	600.8	600.5	601.0	601.5	602.0	602.5
127.5°	638.3	638.4	638.8	639.7	640.5	641.4	642.2	642.0	641.9	641.7	641.6
130°	675.5	675.6	675.9	676.4	676.9	677.4	677.9	678.1	678.2	678.4	678.5
132.5°	710.3	710.5	710.8	711.5	712.2	712.8	713.5	713.7	713.9	714.0	714.2
135°	742.4	742.3	742.6	743.3	744.0	744.6	745.3	745.7	746.0	746.4	746.7
137.5°	773.4	773.4	773.8	774.7	775.5	776.4	777.2	777.5	777.9	778.2	778.5
140°	804.3	804.5	804.7	805.0	805.3	805.7	806.0	806.5	807.0	807.5	808.0
142.5°	832.2	832.5	832.6	832.8	832.9	833.1	833.3	833.6	834.0	834.3	834.6
145°	858.8	859.1	859.1	859.1	859.1	859.1	859.1	859.3	859.4	859.6	859.7
147.5°	882.1	882.6	882.5	882.3	882.2	882.0	881.8	882.0	882.2	882.3	882.5
150°	904.3	904.6	904.5	904.3	904.2	904.0	903.8	903.8	903.8	903.8	903.8
152.5°	923.2	923.5	923.3	923.0	922.7	922.3	922.0	922.3	922.7	923.0	923.3
155°	940.1	940.2	939.9	939.4	938.9	938.4	937.9	938.6	939.3	940.0	940.7
157.5°	955.4	955.4	955.1	954.4	953.7	953.0	952.3	953.1	954.0	954.8	955.7
160°	967.0	966.7	966.6	966.5	966.3	966.2	966.0	967.0	968.0	969.0	970.0
162.5°	978.4	978.1	978.0	977.9	977.7	977.6	977.4	978.4	979.4	980.4	981.4
165°	987.6	987.2	987.2	987.2	987.2	987.2	987.2	988.6	989.9	991.3	992.6
167.5°	996.0	995.6	995.5	995.3	995.2	995.0	994.8	996.3	997.8	999.3	1000.8
170°	1002.1	1001.6	1001.7	1001.9	1002.0	1002.2	1002.4	1003.7	1005.1	1006.4	1007.7
172.5°	1006.7	1006.2	1006.3	1006.4	1006.6	1006.7	1006.9	1008.3	1009.6	1011.0	1012.3
175°	1009.7	1009.2	1009.3	1009.5	1009.6	1009.8	1010.0	1011.5	1013.0	1014.5	1016.0
177.5°	1011.3	1010.7	1010.9	1011.2	1011.5	1011.9	1012.2	1013.6	1014.9	1016.3	1017.6
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

TEST NUMBER: P1033032

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	913.1	916.2	912.3	914.6	909.2	908.4	909.2	909.2	910.0	910.8	911.5
5°	861.7	860.9	856.3	853.2	850.8	853.2	854.7	856.3	854.7	856.3	857.0
7.5°	813.5	811.1	808.8	803.3	804.9	803.3	808.0	805.7	805.7	809.6	812.7
10°	770.6	766.0	764.4	758.2	753.5	752.7	758.2	760.5	762.9	764.4	770.6
12.5°	715.4	708.4	702.9	705.3	692.0	697.5	699.0	695.9	705.3	716.2	709.9
15°	656.2	657.0	646.1	642.2	631.3	634.4	635.2	643.0	650.8	650.0	659.3
17.5°	612.6	608.0	598.6	597.8	593.2	595.5	594.7	600.9	598.6	602.5	610.3
20°	572.1	569.0	561.2	558.1	559.7	558.1	558.9	559.7	562.0	570.6	569.0
22.5°	540.2	536.3	536.3	532.4	527.8	526.2	530.1	532.4	535.6	537.1	541.0
25°	512.2	509.1	505.2	502.9	499.0	499.7	502.1	505.2	507.5	510.6	513.8
27.5°	483.4	483.4	479.5	478.7	477.2	476.4	479.5	481.1	481.1	483.4	486.5
30°	460.8	460.8	456.9	456.2	455.4	455.4	457.7	458.5	459.3	461.6	463.2
32.5°	439.0	438.3	436.7	437.5	436.7	437.5	437.5	438.3	439.8	440.6	443.7
35°	418.8	419.6	418.0	418.0	417.2	418.0	419.6	420.3	421.1	422.7	422.7
37.5°	399.3	400.9	400.1	402.4	402.4	402.4	402.4	404.0	404.0	404.0	403.2
40°	382.2	382.2	381.4	383.0	384.5	384.5	385.3	385.3	386.1	386.1	385.3
42.5°	362.7	364.3	366.6	367.4	369.0	368.2	370.5	369.8	370.5	369.0	367.4
45°	344.8	344.8	348.0	351.1	351.8	351.8	351.8	353.4	351.8	349.5	348.7
47.5°	325.4	326.9	328.5	332.4	333.2	333.2	333.2	333.2	331.6	331.6	331.6
50°	305.9	306.7	307.5	309.0	311.4	310.6	310.6	310.6	313.7	310.6	311.4
52.5°	282.6	283.3	284.1	287.2	286.5	286.5	287.2	287.2	289.6	288.8	287.2
55°	259.2	259.2	260.8	260.8	260.8	262.3	263.1	264.7	263.9	264.7	265.4
57.5°	235.9	234.3	233.5	233.5	235.9	235.1	235.9	235.9	239.0	240.5	241.3
60°	208.6	208.6	207.8	203.2	203.2	202.4	204.7	206.3	207.8	214.8	214.1
62.5°	180.6	177.5	174.4	175.1	170.5	172.8	171.3	172.8	177.5	182.9	183.7
65°	152.6	150.2	147.1	146.3	144.8	147.1	146.3	147.1	149.5	152.6	156.5
67.5°	127.7	126.9	125.3	124.5	124.5	124.5	126.1	126.1	126.9	129.2	131.6
70°	109.0	108.2	109.0	107.4	108.2	107.4	108.2	109.0	109.8	110.5	112.9
72.5°	91.9	91.9	91.9	90.3	91.9	91.1	91.1	91.9	92.6	93.4	95.0
75°	73.2	71.6	70.1	68.5	67.7	69.3	70.1	69.3	71.6	74.7	74.7
77.5°	55.3	54.5	54.5	54.5	55.3	54.5	56.0	55.3	56.0	56.0	57.6
80°	42.8	42.0	42.8	42.8	42.0	43.6	42.8	42.8	43.6	44.4	43.6
82.5°	31.1	31.9	31.1	31.1	31.1	32.7	31.1	31.1	31.1	31.9	31.9
85°	19.5	19.5	19.5	19.5	20.2	19.5	20.2	19.5	21.0	20.2	20.2
87.5°	7.0	7.8	8.6	8.6	8.6	8.6	7.8	8.6	9.3	8.6	9.3
90°	21.2	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
95°	21.2	21.3	21.5	21.6	21.8	22.0	21.8	21.6	21.5	21.3	21.2
97.5°	20.5	20.6	20.7	20.9	21.0	21.2	21.0	20.9	20.7	20.6	20.5
100°	20.5	20.6	20.7	20.9	21.0	21.2	21.0	20.9	20.7	20.6	20.5
102.5°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
105°	243.4	240.4	234.3	228.2	222.2	216.1	222.2	228.2	234.3	240.4	243.4
107.5°	288.9	289.2	289.9	290.6	291.2	291.9	291.2	290.6	289.9	289.2	288.9
110°	335.9	336.2	336.7	337.2	337.7	338.2	337.7	337.2	336.7	336.2	335.9

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	381.4	381.7	382.4	383.1	383.7	384.4	383.7	383.1	382.4	381.7	381.4
115°	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2
117.5°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4
120°	520.1	519.9	519.6	519.3	518.9	518.6	518.9	519.3	519.6	519.9	520.1
122.5°	562.6	562.4	562.1	561.8	561.4	561.1	561.4	561.8	562.1	562.4	562.6
125°	602.8	602.9	603.1	603.2	603.4	603.6	603.4	603.2	603.1	602.9	602.8
127.5°	641.5	641.4	641.2	641.1	640.9	640.7	640.9	641.1	641.2	641.4	641.5
130°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
132.5°	714.3	714.2	714.0	713.9	713.7	713.5	713.7	713.9	714.0	714.2	714.3
135°	746.9	747.1	747.4	747.7	748.1	748.4	748.1	747.7	747.4	747.1	746.9
137.5°	778.7	778.6	778.4	778.3	778.1	777.9	778.1	778.3	778.4	778.6	778.7
140°	808.3	808.4	808.5	808.7	808.8	809.0	808.8	808.7	808.5	808.4	808.3
142.5°	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8	834.8
145°	859.8	860.0	860.3	860.6	861.0	861.3	861.0	860.6	860.3	860.0	859.8
147.5°	882.6	882.7	882.8	883.0	883.1	883.3	883.1	883.0	882.8	882.7	882.6
150°	903.8	903.9	904.1	904.2	904.4	904.6	904.4	904.2	904.1	903.9	903.8
152.5°	923.5	923.4	923.3	923.1	923.0	922.8	923.0	923.1	923.3	923.4	923.5
155°	941.0	940.7	940.2	939.7	939.2	938.7	939.2	939.7	940.2	940.7	941.0
157.5°	956.1	955.7	954.8	954.0	953.1	952.3	953.1	954.0	954.8	955.7	956.1
160°	970.5	970.0	969.0	968.0	967.0	966.0	967.0	968.0	969.0	970.0	970.5
162.5°	981.9	981.3	980.1	979.0	977.8	976.6	977.8	979.0	980.1	981.3	981.9
165°	993.3	992.5	991.0	989.5	988.0	986.5	988.0	989.5	991.0	992.5	993.3
167.5°	1001.6	1000.8	999.1	997.4	995.7	994.0	995.7	997.4	999.1	1000.8	1001.6
170°	1008.4	1007.6	1005.9	1004.2	1002.6	1000.9	1002.6	1004.2	1005.9	1007.6	1008.4
172.5°	1013.0	1012.1	1010.2	1008.4	1006.5	1004.7	1006.5	1008.4	1010.2	1012.1	1013.0
175°	1016.8	1015.8	1013.8	1011.7	1009.7	1007.7	1009.7	1011.7	1013.8	1015.8	1016.8
177.5°	1018.3	1017.3	1015.3	1013.2	1011.2	1009.2	1011.2	1013.2	1015.3	1017.3	1018.3
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	914.6	918.5	917.0	911.5	913.9	918.5	923.2	929.4	933.3	936.4	938.0
5°	860.9	867.9	866.4	866.4	869.5	877.3	885.1	898.3	903.0	908.4	916.2
7.5°	813.5	818.9	823.6	825.1	829.8	839.9	850.0	864.8	876.5	882.7	887.4
10°	771.4	775.3	782.3	786.2	790.9	803.3	818.1	833.7	845.4	856.3	862.5
12.5°	717.7	733.3	742.6	748.8	755.1	773.8	785.4	802.6	816.6	826.7	836.0
15°	657.8	676.5	681.9	706.0	721.6	736.4	754.3	774.5	787.8	799.4	811.9
17.5°	607.2	620.4	626.6	652.3	665.6	688.9	714.6	740.3	760.5	769.1	781.5
20°	575.3	582.3	594.7	603.3	617.3	644.5	672.6	703.7	734.1	742.6	755.1
22.5°	542.6	551.9	560.5	572.1	583.0	601.7	629.7	664.0	696.7	712.3	727.0
25°	513.0	522.3	527.8	540.2	550.3	569.0	588.5	623.5	662.4	675.7	699.0
27.5°	489.6	495.1	504.4	509.9	521.5	538.7	556.6	583.0	621.2	643.8	666.3
30°	466.3	470.2	478.0	485.7	494.3	506.0	526.2	551.9	586.9	606.4	629.0
32.5°	442.9	449.2	453.8	459.3	468.6	482.6	496.6	521.5	549.6	571.4	593.9
35°	423.5	425.8	432.0	438.3	444.5	456.9	471.7	495.9	520.8	537.9	558.1
37.5°	402.4	406.3	411.0	413.3	423.5	431.2	446.8	465.5	495.1	506.0	526.2
40°	386.1	385.3	390.0	393.9	398.6	411.0	420.3	440.6	463.9	481.1	493.5
42.5°	365.9	365.9	367.4	372.1	378.3	386.1	397.0	414.1	438.3	450.7	465.5
45°	349.5	347.2	348.0	351.1	355.0	362.7	373.6	388.4	412.6	422.7	438.3
47.5°	330.1	327.7	327.7	330.8	333.9	339.4	348.0	365.1	384.5	397.8	409.5
50°	308.3	309.0	308.3	310.6	312.1	317.6	326.9	341.0	358.9	369.8	383.0
52.5°	288.0	286.5	285.7	287.2	290.4	294.2	304.4	316.8	333.9	344.8	356.5
55°	263.1	264.7	264.7	264.7	269.3	270.9	278.7	291.1	308.3	316.8	327.7
57.5°	240.5	239.8	241.3	240.5	244.4	249.9	256.1	265.4	282.6	291.1	301.3
60°	215.6	216.4	217.2	217.2	220.3	225.7	232.7	241.3	255.3	263.9	273.2
62.5°	185.3	189.2	193.0	194.6	199.3	203.2	207.8	217.2	229.6	235.9	244.4
65°	156.5	161.9	167.4	171.3	174.4	178.3	184.5	193.0	203.2	209.4	218.0
67.5°	131.6	135.4	142.5	146.3	152.6	157.2	161.1	168.1	180.6	182.9	189.9
70°	113.7	115.2	118.3	121.4	128.4	132.3	137.0	144.0	153.3	158.8	162.7
72.5°	95.7	96.5	98.1	101.2	104.3	109.0	114.4	120.7	129.2	131.6	137.0
75°	76.3	81.0	81.0	83.3	85.6	88.0	92.6	98.9	104.3	108.2	111.3
77.5°	56.8	59.2	60.7	64.6	67.7	70.1	73.2	77.8	81.0	84.1	86.4
80°	44.4	45.1	45.9	45.9	47.5	50.6	53.7	56.8	60.7	62.3	64.6
82.5°	32.7	32.7	32.7	34.3	35.0	35.8	35.8	37.4	41.3	42.8	45.1
85°	21.0	21.0	21.0	21.0	21.8	22.6	23.4	24.1	24.1	24.1	25.7
87.5°	8.6	10.1	9.3	10.1	10.1	10.1	10.1	10.9	10.9	11.7	11.7
90°	20.7	19.7	18.7	17.7	16.7	15.3	14.0	12.6	11.3	10.6	9.7
92.5°	20.0	19.0	17.9	16.9	15.9	14.6	13.2	11.9	10.6	9.9	10.1
95°	20.7	19.7	18.7	17.7	16.7	16.5	16.3	16.2	16.0	15.9	18.8
97.5°	20.1	19.2	18.4	17.5	16.7	34.4	52.1	69.8	87.5	96.3	94.4
100°	21.9	24.8	27.7	30.5	33.4	56.6	79.9	103.1	126.4	138.0	136.5
102.5°	41.0	78.9	116.8	154.7	192.6	190.6	188.6	186.5	184.5	183.5	182.5
105°	242.6	241.1	239.6	238.1	236.6	235.8	234.9	234.1	233.2	232.8	232.3
107.5°	288.5	287.6	286.8	285.9	285.1	283.9	282.7	281.6	280.4	279.8	279.5
110°	335.7	335.4	335.1	334.7	334.4	333.4	332.4	331.3	330.3	329.8	329.6

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	381.5	381.6	381.8	381.9	382.1	381.8	381.4	381.1	380.8	380.6	380.1
115°	429.0	428.7	428.3	428.0	427.6	427.8	428.0	428.1	428.3	428.4	428.1
117.5°	475.5	475.7	475.8	476.0	476.2	475.7	475.2	474.7	474.2	473.9	473.6
120°	519.9	519.6	519.3	518.9	518.6	518.8	519.0	519.1	519.3	519.4	519.1
122.5°	562.5	562.3	562.2	562.0	561.8	561.5	561.1	560.8	560.5	560.3	560.1
125°	602.5	602.0	601.5	601.0	600.5	600.8	601.2	601.5	601.8	602.0	601.7
127.5°	641.6	641.7	641.9	642.0	642.2	641.4	640.5	639.7	638.8	638.4	638.3
130°	678.5	678.4	678.2	678.1	677.9	677.4	676.9	676.4	675.9	675.6	675.5
132.5°	714.2	714.0	713.9	713.7	713.5	712.8	712.2	711.5	710.8	710.5	710.3
135°	746.7	746.4	746.0	745.7	745.3	744.6	744.0	743.3	742.6	742.3	742.4
137.5°	778.5	778.2	777.9	777.5	777.2	776.4	775.5	774.7	773.8	773.4	773.4
140°	808.0	807.5	807.0	806.5	806.0	805.7	805.3	805.0	804.7	804.5	804.3
142.5°	834.6	834.3	834.0	833.6	833.3	833.1	832.9	832.8	832.6	832.5	832.2
145°	859.7	859.6	859.4	859.3	859.1	859.1	859.1	859.1	859.1	859.1	858.8
147.5°	882.5	882.3	882.2	882.0	881.8	882.0	882.2	882.3	882.5	882.6	882.1
150°	903.8	903.8	903.8	903.8	903.8	904.0	904.2	904.3	904.5	904.6	904.3
152.5°	923.3	923.0	922.7	922.3	922.0	922.3	922.7	923.0	923.3	923.5	923.2
155°	940.7	940.0	939.3	938.6	937.9	938.4	938.9	939.4	939.9	940.2	940.1
157.5°	955.7	954.8	954.0	953.1	952.3	953.0	953.7	954.4	955.1	955.4	955.4
160°	970.0	969.0	968.0	967.0	966.0	966.2	966.3	966.5	966.6	966.7	967.0
162.5°	981.4	980.4	979.4	978.4	977.4	977.6	977.7	977.9	978.0	978.1	978.4
165°	992.6	991.3	989.9	988.6	987.2	987.2	987.2	987.2	987.2	987.2	987.6
167.5°	1000.8	999.3	997.8	996.3	994.8	995.0	995.2	995.3	995.5	995.6	996.0
170°	1007.7	1006.4	1005.1	1003.7	1002.4	1002.2	1002.0	1001.9	1001.7	1001.6	1002.1
172.5°	1012.3	1011.0	1009.6	1008.3	1006.9	1006.7	1006.6	1006.4	1006.3	1006.2	1006.7
175°	1016.0	1014.5	1013.0	1011.5	1010.0	1009.8	1009.6	1009.5	1009.3	1009.2	1009.7
177.5°	1017.6	1016.3	1014.9	1013.6	1012.2	1011.9	1011.5	1011.2	1010.9	1010.7	1011.3
180°	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8	1013.8

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	966.0	966.0	966.0	966.0
2.5°	944.2	948.9	956.7	967.6
5°	922.4	935.7	948.1	964.5
7.5°	903.0	918.5	935.7	959.0
10°	880.4	899.9	921.7	950.5
12.5°	853.9	881.2	906.1	937.2
15°	834.5	854.7	886.6	923.2
17.5°	807.2	834.5	866.4	907.6
20°	781.5	810.3	846.1	889.0
22.5°	754.3	787.0	822.8	868.7
25°	726.3	761.3	797.1	846.1
27.5°	700.6	732.5	773.0	822.8
30°	669.4	706.0	745.0	797.1
32.5°	639.1	677.2	716.9	769.1
35°	606.4	644.5	688.1	737.9
37.5°	574.5	616.5	656.2	704.5
40°	539.4	583.0	624.3	673.3
42.5°	505.2	550.3	591.6	633.6
45°	473.3	517.7	555.0	594.7
47.5°	442.9	482.6	520.8	556.6
50°	413.3	446.8	481.8	511.4
52.5°	382.2	414.1	442.1	468.6
55°	354.2	379.1	404.0	428.1
57.5°	320.7	345.6	367.4	386.1
60°	292.7	308.3	329.3	348.7
62.5°	260.8	278.7	295.0	307.5
65°	229.6	245.2	257.7	268.6
67.5°	203.2	212.5	221.9	233.5
70°	171.3	179.0	189.9	198.5
72.5°	144.0	150.2	155.7	165.8
75°	116.8	122.2	125.3	134.7
77.5°	90.3	95.7	98.1	103.5
80°	69.3	70.1	73.2	77.8
82.5°	47.5	49.0	49.8	53.7
85°	27.2	31.1	30.4	31.9
87.5°	11.7	12.5	14.0	15.6
90°	7.8	6.0	4.1	2.3
92.5°	10.4	10.7	11.1	11.4
95°	24.5	30.2	36.0	41.7
97.5°	90.7	87.0	83.3	79.6
100°	133.4	130.4	127.3	124.3
102.5°	180.5	178.4	176.4	174.4
105°	231.3	230.2	229.2	228.2
107.5°	279.0	278.5	278.0	277.5
110°	329.1	328.6	328.1	327.6

TEST NUMBER: P1033032

CATALOG NUMBER: S124RDIW-B575D770UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	379.1	378.1	377.1	376.1
115°	427.6	427.1	426.6	426.1
117.5°	472.9	472.2	471.6	470.9
120°	518.4	517.7	517.1	516.4
122.5°	559.8	559.5	559.1	558.8
125°	601.0	600.3	599.7	599.0
127.5°	638.2	638.0	637.9	637.7
130°	675.3	675.2	675.0	674.8
132.5°	710.0	709.6	709.3	708.9
135°	742.6	742.7	742.9	743.1
137.5°	773.4	773.4	773.4	773.4
140°	804.0	803.7	803.3	803.0
142.5°	831.5	830.8	830.2	829.5
145°	858.3	857.8	857.3	856.8
147.5°	881.1	880.0	879.0	878.0
150°	903.6	902.9	902.2	901.5
152.5°	922.7	922.2	921.7	921.2
155°	939.9	939.8	939.6	939.4
157.5°	955.4	955.4	955.4	955.4
160°	967.5	968.0	968.5	969.0
162.5°	979.1	979.8	980.4	981.1
165°	988.5	989.3	990.2	991.0
167.5°	996.8	997.7	998.5	999.3
170°	1003.1	1004.2	1005.2	1006.2
172.5°	1007.7	1008.7	1009.7	1010.7
175°	1010.7	1011.8	1012.8	1013.8
177.5°	1012.5	1013.6	1014.8	1016.0
180°	1013.8	1013.8	1013.8	1013.8

(END OF REPORT)