

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: P1013371

Luminaire Tested: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1013371
REPORT IS A COMBINATION OF REPORTS P999508 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K
Description: Define 4 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

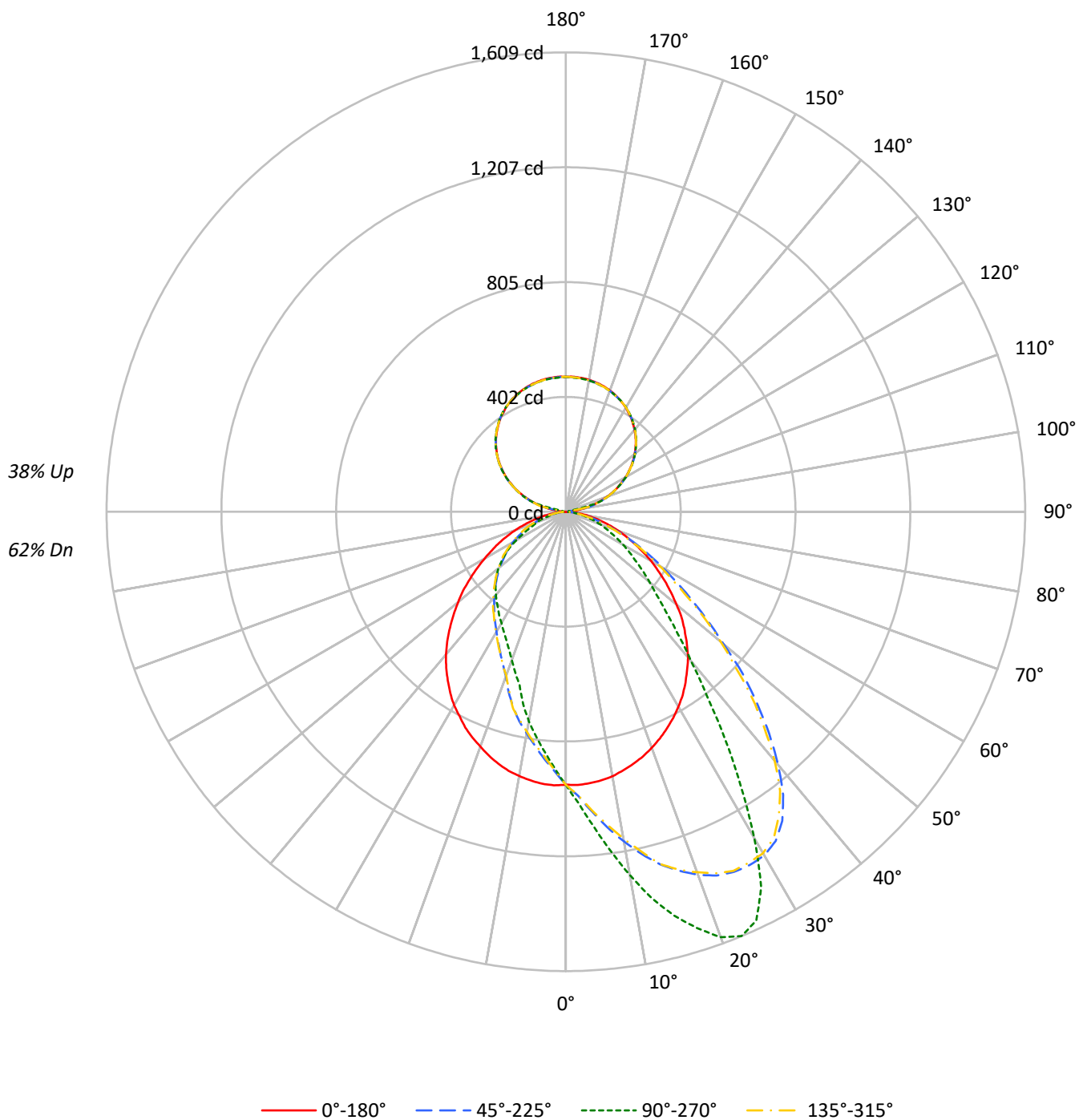
Lumens per Lamp: N/A
Luminaire Lumens: 3881.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
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

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67
1	101	97	93	90	95	91	88	85	80	78	75	70	68	67	61	59	58
2	93	85	79	74	87	80	75	71	71	67	63	62	59	56	54	52	50
3	85	76	68	63	79	71	65	60	63	58	54	55	52	48	48	45	43
4	78	67	59	53	73	63	56	51	56	51	46	50	45	42	44	40	38
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	39	36	33
6	66	54	46	40	62	51	44	39	46	40	36	41	36	32	36	32	29
7	61	49	41	36	58	47	39	34	42	36	32	37	32	29	33	29	26
8	57	45	37	32	54	43	35	31	38	32	28	34	29	26	30	26	24
9	53	41	34	29	50	39	32	27	35	29	25	31	27	23	28	24	21
10	50	38	31	26	47	36	29	25	32	27	23	29	25	21	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7796	7796	7796	7796
5°	7797	8810	7809	6733
10°	7755	10156	7749	5856
15°	7663	11430	7663	4903
20°	7567	12393	7526	4317
25°	7449	12446	7414	3899
30°	7323	10583	7266	3612
35°	7146	7985	7055	3397
40°	6948	5787	6811	3230
45°	6622	4398	6458	3082
50°	6236	3555	6065	2865
55°	5817	2943	5627	2576
60°	5396	2489	5155	2142
65°	4868	2028	4712	1703
70°	4384	1644	4176	1383
75°	3841	1184	3573	1014
80°	3167	786	2883	744
85°	2299	405	1907	405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 9760 cd/sqm

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	2.4
10°-20°	279.6	7.2
20°-30°	438.0	11.3
30°-40°	486.3	12.5
40°-50°	431.0	11.1
50°-60°	335.8	8.7
60°-70°	219.7	5.7
70°-80°	107.8	2.8
80°-90°	27.2	0.7
90°-100°	15.7	0.4
100°-110°	103.4	2.7
110°-120°	197.4	5.1
120°-130°	250.6	6.5
130°-140°	268.0	6.9
140°-150°	250.6	6.5
150°-160°	202.1	5.2
160°-170°	130.3	3.4
170°-180°	44.9	1.2
0°-30°	810.1	20.9
0°-40°	1296.5	33.4
0°-60°	2063.3	53.2
0°-90°	2418.0	62.3
90°-120°	316.4	8.2
90°-150°	1085.6	28.0
90°-180°	1463.0	37.7
0°-180°	3881.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	956	956	956	956	956	
5°	955	1105	956	844	955	91
15°	914	1464	914	628	914	258
25°	838	1579	834	495	838	386
35°	730	972	721	414	730	457
45°	589	497	574	348	589	454
55°	424	297	410	260	424	379
65°	266	173	257	146	266	265
75°	133	80	124	69	133	141
85°	32	19	26	19	32	36
90°	1	11	1	11	1	3
95°	19	10	19	10	19	24
105°	106	101	106	101	106	111
115°	199	200	199	200	199	196
125°	279	282	279	282	279	249
135°	347	349	347	349	347	267
145°	400	402	400	402	400	250
155°	438	438	438	438	438	202
165°	462	460	462	460	462	131
175°	473	470	473	470	473	45
180°	473	473	473	473	473	

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	957.7	966.2	970.8	974.6	982.3	985.4	991.6	993.1	999.3	998.5	996.2
5°	954.6	969.2	980.0	991.6	1005.4	1013.1	1021.6	1034.0	1040.1	1048.6	1054.0
7.5°	949.2	969.2	987.0	1004.7	1027.0	1039.3	1050.1	1069.4	1085.6	1099.4	1114.9
10°	940.7	966.2	992.3	1016.2	1047.0	1061.7	1077.9	1106.4	1128.7	1148.0	1172.6
12.5°	927.6	963.1	992.3	1024.7	1064.0	1084.0	1105.6	1139.5	1165.7	1197.3	1228.1
15°	913.8	953.1	991.6	1034.0	1078.6	1101.8	1123.3	1168.8	1208.8	1245.1	1279.0
17.5°	898.4	941.5	983.9	1030.9	1084.8	1113.3	1138.7	1193.4	1237.4	1284.4	1318.3
20°	879.9	926.9	975.4	1027.8	1088.7	1120.2	1148.8	1211.2	1259.7	1310.5	1352.9
22.5°	859.8	910.7	963.8	1020.9	1084.0	1118.7	1151.8	1218.9	1275.1	1322.1	1379.1
25°	837.5	891.4	946.1	1006.2	1077.1	1114.9	1148.8	1215.0	1275.1	1336.7	1392.2
27.5°	814.4	869.8	926.9	990.0	1062.5	1099.4	1138.0	1201.9	1272.0	1339.1	1395.3
30°	788.9	842.9	903.0	963.1	1040.1	1077.1	1116.4	1185.7	1262.0	1329.0	1389.9
32.5°	761.2	816.7	873.7	936.1	1011.6	1051.7	1087.9	1166.5	1244.3	1310.5	1367.6
35°	730.4	782.8	836.7	900.7	975.4	1011.6	1054.8	1136.4	1215.0	1285.1	1322.1
37.5°	697.3	747.3	797.4	860.6	932.3	976.2	1018.5	1101.0	1184.2	1231.2	1250.5
40°	666.4	710.4	754.3	815.1	887.6	933.0	976.2	1061.7	1134.9	1171.1	1156.5
42.5°	627.2	672.6	711.9	768.1	841.3	883.7	927.6	1016.2	1075.6	1090.2	1054.0
45°	588.6	626.4	664.1	718.8	795.9	832.1	879.1	961.5	1010.8	997.7	944.6
47.5°	550.9	581.7	617.1	670.3	739.6	782.8	826.7	898.4	933.0	914.5	840.6
50°	506.2	537.0	574.0	620.2	687.2	728.9	763.5	829.8	856.0	810.5	721.1
52.5°	463.8	490.8	522.4	565.5	629.5	667.2	705.0	762.0	770.5	718.1	624.1
55°	423.8	445.3	478.5	513.1	571.7	611.7	637.9	686.5	684.2	618.7	537.8
57.5°	382.1	402.2	424.5	460.7	516.2	546.3	574.8	617.1	594.8	539.3	459.2
60°	345.2	356.7	379.1	413.7	460.7	486.9	509.3	532.4	513.1	453.0	391.4
62.5°	304.3	317.4	333.6	361.3	402.9	427.6	443.8	453.8	433.8	387.5	331.3
65°	265.8	277.4	294.3	319.0	350.6	369.0	377.5	384.5	373.7	321.3	276.6
67.5°	231.1	238.8	254.3	270.4	304.3	309.0	320.5	323.6	302.0	262.0	226.5
70°	196.5	204.2	211.1	230.4	245.8	254.3	256.6	256.6	235.0	208.8	179.5
72.5°	164.1	168.7	175.7	188.8	197.2	203.4	206.5	202.6	182.6	161.0	139.5
75°	133.3	135.6	141.8	150.2	157.2	154.9	154.1	149.5	134.8	119.4	107.1
77.5°	102.5	104.0	110.9	113.3	113.3	115.6	112.5	107.9	95.5	84.0	78.6
80°	77.0	79.4	80.1	81.7	80.1	80.1	77.8	70.1	63.9	58.6	54.7
82.5°	53.2	54.7	55.5	53.2	54.7	52.4	48.5	43.1	39.3	38.5	37.0
85°	31.6	32.4	31.6	31.6	29.3	28.5	25.4	24.7	23.1	23.1	22.3
87.5°	15.4	14.6	13.1	11.6	11.6	10.8	11.6	10.0	11.6	10.8	10.0
90°	1.1	2.0	2.8	3.7	4.6	5.0	5.3	5.9	6.6	7.2	7.8
92.5°	5.3	5.1	5.0	4.8	4.7	4.6	4.9	5.5	6.2	6.8	7.4
95°	19.4	16.7	14.1	11.4	8.7	7.4	7.4	7.5	7.6	7.7	7.8
97.5°	37.1	38.8	40.6	42.3	44.0	44.9	40.8	32.5	24.3	16.0	7.8
100°	58.0	59.4	60.8	62.3	63.7	64.4	59.0	48.1	37.3	26.4	15.6
102.5°	81.3	82.3	83.2	84.2	85.1	85.6	86.1	87.0	87.9	88.9	89.8
105°	106.4	106.9	107.4	107.9	108.4	108.6	108.8	109.2	109.5	109.9	110.3
107.5°	129.4	129.6	129.9	130.1	130.4	130.5	130.8	131.3	131.9	132.4	133.0
110°	152.8	153.0	153.2	153.5	153.7	153.8	154.0	154.5	155.0	155.5	156.0



TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.4	175.9	176.3	176.8	177.3	177.5	177.6	177.7	177.9	178.0	178.2
115°	198.7	198.9	199.2	199.4	199.7	199.8	199.8	199.7	199.6	199.5	199.4
117.5°	219.6	219.9	220.2	220.5	220.8	221.0	221.1	221.4	221.6	221.9	222.1
120°	240.8	241.1	241.4	241.7	242.0	242.2	242.2	242.1	242.0	242.0	241.9
122.5°	260.6	260.8	260.9	261.1	261.2	261.3	261.4	261.5	261.7	261.8	262.0
125°	279.4	279.7	280.0	280.3	280.6	280.8	280.7	280.6	280.4	280.3	280.1
127.5°	297.4	297.5	297.6	297.7	297.8	297.8	298.0	298.4	298.7	299.1	299.5
130°	314.7	314.8	314.9	315.0	315.1	315.1	315.2	315.4	315.7	315.9	316.1
132.5°	330.6	330.8	331.0	331.1	331.3	331.4	331.6	331.9	332.2	332.5	332.8
135°	346.6	346.5	346.4	346.3	346.2	346.2	346.4	346.7	347.0	347.3	347.6
137.5°	360.7	360.7	360.7	360.7	360.7	360.7	360.9	361.3	361.7	362.1	362.5
140°	374.5	374.7	374.8	375.0	375.1	375.2	375.3	375.4	375.6	375.7	375.9
142.5°	386.9	387.2	387.5	387.8	388.1	388.3	388.3	388.4	388.5	388.5	388.6
145°	399.6	399.8	400.1	400.3	400.6	400.7	400.7	400.7	400.7	400.7	400.7
147.5°	409.5	410.0	410.4	410.9	411.4	411.6	411.6	411.5	411.4	411.4	411.3
150°	420.5	420.8	421.1	421.4	421.7	421.9	421.9	421.8	421.7	421.6	421.5
152.5°	429.7	429.9	430.1	430.4	430.6	430.7	430.6	430.5	430.3	430.2	430.0
155°	438.1	438.2	438.3	438.4	438.5	438.5	438.4	438.1	437.9	437.6	437.4
157.5°	445.6	445.6	445.6	445.6	445.6	445.6	445.4	445.1	444.8	444.5	444.2
160°	451.9	451.7	451.5	451.2	451.0	450.9	450.9	450.8	450.7	450.6	450.5
162.5°	457.6	457.3	457.0	456.7	456.4	456.2	456.2	456.1	456.0	455.9	455.8
165°	462.2	461.8	461.4	461.0	460.6	460.4	460.4	460.4	460.4	460.4	460.4
167.5°	466.1	465.7	465.3	464.9	464.5	464.3	464.3	464.2	464.1	464.1	464.0
170°	469.3	468.8	468.3	467.8	467.3	467.1	467.1	467.2	467.3	467.4	467.5
172.5°	471.4	470.9	470.5	470.0	469.5	469.3	469.3	469.4	469.5	469.5	469.6
175°	472.8	472.3	471.9	471.4	470.9	470.7	470.7	470.8	470.9	470.9	471.0
177.5°	473.9	473.3	472.8	472.2	471.7	471.4	471.5	471.6	471.8	471.9	472.1
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	1002.4	1010.8	1011.6	1019.3	1017.0	1013.1	1020.1	1015.5	1024.7	1021.6	1025.5
5°	1060.9	1072.5	1082.5	1088.7	1099.4	1097.1	1108.7	1104.8	1113.3	1104.8	1115.6
7.5°	1129.5	1148.8	1158.8	1174.9	1179.6	1180.3	1194.2	1197.3	1202.7	1197.3	1203.5
10°	1196.5	1219.6	1242.7	1255.8	1264.3	1275.9	1288.2	1293.6	1297.4	1292.1	1295.9
12.5°	1257.4	1293.6	1319.0	1345.2	1351.4	1361.4	1374.5	1373.0	1388.4	1385.3	1392.2
15°	1313.6	1353.7	1384.5	1405.3	1422.3	1430.7	1455.4	1456.9	1456.2	1463.9	1459.2
17.5°	1363.7	1397.6	1441.5	1468.5	1489.3	1489.3	1503.2	1531.7	1529.4	1528.6	1533.2
20°	1404.5	1443.1	1483.9	1529.4	1546.3	1549.4	1568.6	1583.3	1585.6	1585.6	1585.6
22.5°	1435.4	1480.8	1524.7	1557.1	1570.2	1581.0	1597.9	1607.2	1610.3	1608.7	1610.3
25°	1450.8	1493.9	1538.6	1567.9	1575.6	1581.7	1583.3	1588.7	1587.9	1578.7	1584.1
27.5°	1453.9	1495.5	1524.7	1532.4	1528.6	1524.7	1500.1	1502.4	1495.5	1481.6	1487.0
30°	1440.0	1462.3	1461.6	1437.7	1430.7	1414.6	1392.2	1359.1	1332.1	1320.6	1324.4
32.5°	1389.9	1389.9	1362.2	1308.2	1284.4	1255.1	1215.0	1185.0	1149.5	1141.8	1156.5
35°	1320.6	1281.3	1230.4	1159.5	1123.3	1101.8	1032.4	1010.8	980.8	972.3	979.2
37.5°	1212.7	1147.2	1073.2	1007.0	976.2	937.6	876.8	846.0	824.4	809.7	816.7
40°	1091.7	1012.4	935.3	853.7	819.8	788.2	742.7	715.0	680.3	681.9	684.2
42.5°	976.2	882.9	796.7	721.1	688.8	662.6	631.0	597.1	584.8	580.9	577.1
45°	853.7	754.3	673.4	617.1	587.9	563.2	533.9	514.7	500.0	496.9	500.8
47.5°	738.1	654.1	577.1	524.7	500.8	488.5	465.4	447.6	438.4	430.7	435.3
50°	633.3	554.7	493.1	449.2	432.2	423.8	402.2	392.9	383.7	381.4	380.6
52.5°	547.0	480.0	426.8	391.4	378.3	373.7	357.5	344.4	336.7	339.0	340.5
55°	468.4	411.4	369.8	341.3	330.5	325.1	313.6	304.3	298.9	296.6	298.2
57.5°	399.1	349.8	319.7	296.6	288.2	285.8	273.5	270.4	266.6	264.3	264.3
60°	335.9	301.2	273.5	260.4	251.2	248.9	239.6	235.8	235.0	232.7	231.1
62.5°	282.8	254.3	235.0	221.1	217.3	216.5	210.3	205.7	203.4	201.9	201.9
65°	236.5	215.7	199.5	189.5	186.5	184.9	178.0	176.4	174.9	173.4	172.6
67.5°	197.2	178.7	167.2	160.3	156.4	157.2	153.3	150.2	150.2	149.5	148.7
70°	159.5	147.9	137.9	134.1	132.5	131.0	129.4	127.1	126.4	126.4	126.4
72.5°	125.6	117.9	112.5	110.2	108.6	107.1	105.6	105.6	105.6	104.8	104.8
75°	96.3	93.2	89.4	87.1	87.1	88.6	86.3	84.0	81.7	80.1	80.9
77.5°	72.4	70.9	68.6	64.7	65.5	63.9	63.9	62.4	63.2	63.2	61.6
80°	53.2	50.9	50.1	47.8	48.5	47.8	47.0	47.0	45.5	45.5	45.5
82.5°	37.0	34.7	34.7	33.9	33.1	33.1	32.4	32.4	33.1	31.6	31.6
85°	22.3	21.6	21.6	20.0	20.0	20.0	20.0	20.8	20.0	19.3	19.3
87.5°	10.0	10.8	10.0	9.2	9.2	9.2	8.5	8.5	7.7	8.5	8.5
90°	8.3	8.7	9.2	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	7.9	8.3	8.8	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
95°	8.3	8.7	9.2	9.7	9.9	9.9	10.0	10.1	10.2	10.3	10.2
97.5°	8.2	8.6	8.9	9.3	9.5	9.5	9.6	9.7	9.8	9.9	9.8
100°	14.2	12.9	11.5	10.2	9.5	9.5	9.6	9.7	9.8	9.9	9.8
102.5°	72.1	54.5	36.8	19.1	10.3	10.3	10.3	10.3	10.3	10.3	10.3
105°	111.0	111.7	112.4	113.1	113.5	112.1	109.3	106.4	103.6	100.8	103.6
107.5°	133.4	133.8	134.1	134.5	134.7	134.9	135.2	135.5	135.8	136.1	135.8
110°	156.2	156.3	156.5	156.6	156.7	156.8	157.0	157.3	157.5	157.7	157.5

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	178.1	178.1	178.0	177.9	177.9	178.1	178.4	178.7	179.0	179.3	179.0
115°	199.6	199.8	199.9	200.1	200.2	200.2	200.2	200.2	200.2	200.2	200.2
117.5°	222.0	221.9	221.8	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
120°	242.1	242.2	242.4	242.5	242.6	242.5	242.4	242.2	242.1	241.9	242.1
122.5°	262.1	262.2	262.3	262.4	262.4	262.3	262.2	262.0	261.9	261.7	261.9
125°	280.3	280.5	280.8	281.0	281.1	281.1	281.2	281.3	281.4	281.5	281.4
127.5°	299.4	299.4	299.3	299.2	299.2	299.2	299.1	299.0	298.9	298.8	298.9
130°	316.2	316.3	316.4	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
132.5°	332.9	332.9	333.0	333.1	333.1	333.1	333.0	332.9	332.9	332.8	332.9
135°	347.8	347.9	348.1	348.2	348.3	348.4	348.5	348.7	348.8	349.0	348.8
137.5°	362.7	362.8	363.0	363.1	363.2	363.2	363.1	363.0	362.9	362.8	362.9
140°	376.1	376.4	376.6	376.9	377.0	377.0	377.1	377.2	377.2	377.3	377.2
142.5°	388.8	388.9	389.1	389.2	389.3	389.3	389.3	389.3	389.3	389.3	389.3
145°	400.8	400.8	400.9	401.0	401.0	401.1	401.2	401.4	401.5	401.7	401.5
147.5°	411.4	411.4	411.5	411.6	411.6	411.6	411.7	411.8	411.9	412.0	411.9
150°	421.5	421.5	421.5	421.5	421.5	421.5	421.6	421.7	421.8	421.9	421.8
152.5°	430.2	430.3	430.5	430.6	430.7	430.7	430.6	430.5	430.5	430.4	430.5
155°	437.7	438.1	438.4	438.7	438.9	438.8	438.5	438.3	438.0	437.8	438.0
157.5°	444.6	445.0	445.3	445.7	445.9	445.7	445.3	445.0	444.6	444.2	444.6
160°	451.0	451.4	451.9	452.4	452.6	452.4	451.9	451.4	451.0	450.5	451.0
162.5°	456.3	456.8	457.3	457.8	458.0	457.7	457.2	456.6	456.1	455.5	456.1
165°	461.0	461.7	462.3	463.0	463.3	462.9	462.2	461.5	460.8	460.1	460.8
167.5°	464.7	465.4	466.1	466.8	467.1	466.7	465.9	465.2	464.4	463.6	464.4
170°	468.1	468.7	469.4	470.0	470.3	469.9	469.1	468.4	467.6	466.8	467.6
172.5°	470.2	470.9	471.5	472.2	472.5	472.1	471.2	470.3	469.5	468.6	469.5
175°	471.7	472.4	473.1	473.8	474.2	473.7	472.8	471.9	470.9	470.0	470.9
177.5°	472.7	473.3	474.0	474.6	474.9	474.4	473.5	472.6	471.6	470.7	471.6
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	1027.8	1022.4	1021.6	1021.6	1013.1	1017.8	1008.5	998.5	993.9	993.9	985.4
5°	1113.3	1107.9	1102.5	1094.0	1094.0	1089.4	1074.8	1060.1	1049.4	1040.1	1030.1
7.5°	1201.1	1195.7	1180.3	1171.9	1176.5	1167.2	1148.0	1123.3	1104.8	1090.2	1069.4
10°	1296.7	1282.0	1274.3	1269.7	1253.5	1243.5	1221.2	1185.0	1161.8	1142.6	1115.6
12.5°	1374.5	1379.1	1349.8	1352.2	1336.0	1322.1	1287.4	1252.8	1218.1	1191.1	1151.1
15°	1458.5	1444.6	1426.9	1413.0	1407.6	1390.7	1361.4	1315.2	1277.4	1235.0	1189.6
17.5°	1524.7	1513.9	1497.0	1483.9	1472.3	1431.5	1406.9	1366.0	1314.4	1272.8	1217.3
20°	1581.0	1571.0	1547.1	1538.6	1517.8	1488.5	1453.1	1389.9	1343.7	1298.2	1244.3
22.5°	1604.9	1594.8	1574.0	1563.3	1550.2	1521.7	1487.8	1427.7	1370.6	1313.6	1256.6
25°	1584.8	1584.8	1574.8	1571.0	1559.4	1534.0	1499.3	1448.5	1387.6	1326.0	1258.2
27.5°	1487.8	1507.0	1513.9	1517.8	1517.8	1518.6	1494.7	1445.4	1386.1	1326.0	1255.1
30°	1347.5	1379.9	1408.4	1416.9	1431.5	1447.7	1457.7	1433.8	1380.7	1317.5	1246.6
32.5°	1171.1	1212.7	1265.9	1279.0	1299.0	1347.5	1374.5	1384.5	1355.2	1299.8	1224.3
35°	995.4	1047.8	1080.2	1120.2	1138.7	1210.4	1270.5	1306.7	1299.8	1266.6	1198.1
37.5°	842.1	872.2	911.4	953.8	990.8	1059.4	1134.1	1204.2	1232.7	1216.6	1164.9
40°	695.0	730.4	777.4	812.1	837.5	906.1	998.5	1074.8	1137.2	1147.2	1115.6
42.5°	590.9	626.4	654.9	692.6	712.7	778.9	860.6	956.1	1030.1	1069.4	1055.5
45°	510.8	532.4	555.5	577.1	601.7	660.3	735.8	840.6	923.8	979.2	984.6
47.5°	440.7	460.0	480.0	500.0	513.9	559.4	628.7	714.2	805.1	881.4	911.4
50°	391.4	400.6	415.3	426.8	443.0	482.3	537.8	611.7	708.0	790.5	829.8
52.5°	342.9	354.4	366.0	376.0	386.8	414.5	465.4	529.3	612.5	697.3	745.8
55°	302.0	311.3	322.1	329.0	335.1	359.8	398.3	447.6	519.3	599.4	659.5
57.5°	268.9	272.7	282.0	285.8	292.8	312.8	340.5	384.5	442.2	520.1	569.4
60°	232.7	240.4	247.3	250.4	255.8	269.7	288.9	329.8	379.8	436.8	493.1
62.5°	203.4	206.5	211.9	215.7	219.6	234.2	250.4	281.2	319.0	366.7	418.4
65°	176.4	178.0	181.1	186.5	188.8	199.5	208.8	231.1	266.6	302.8	354.4
67.5°	148.7	150.2	154.1	157.2	159.5	166.4	176.4	192.6	211.9	251.9	280.4
70°	127.1	127.1	129.4	131.0	133.3	136.4	141.8	154.1	171.8	197.2	223.4
72.5°	106.3	106.3	106.3	108.6	108.6	110.9	114.0	122.5	134.8	154.9	171.8
75°	82.4	83.2	84.8	84.8	85.5	88.6	90.9	93.2	99.4	112.5	127.9
77.5°	62.4	63.9	64.7	63.2	64.7	64.7	67.8	70.9	74.0	77.8	89.4
80°	46.2	47.0	45.5	46.2	46.2	47.8	49.3	48.5	50.1	54.7	57.8
82.5°	30.8	31.6	31.6	31.6	31.6	33.9	33.9	33.1	33.9	34.7	35.4
85°	19.3	18.5	18.5	19.3	18.5	18.5	19.3	20.0	19.3	20.0	20.8
87.5°	8.5	8.5	8.5	8.5	7.7	7.7	8.5	7.7	8.5	7.7	6.9
90°	10.3	10.1	10.0	9.9	9.7	9.2	8.7	8.3	7.8	7.2	6.6
92.5°	9.5	9.5	9.5	9.5	9.3	8.8	8.3	7.9	7.4	6.8	6.2
95°	10.1	10.0	9.9	9.9	9.7	9.2	8.7	8.3	7.8	7.7	7.6
97.5°	9.7	9.6	9.5	9.5	9.3	8.9	8.6	8.2	7.8	16.0	24.3
100°	9.7	9.6	9.5	9.5	10.2	11.5	12.9	14.2	15.6	26.4	37.3
102.5°	10.3	10.3	10.3	10.3	19.1	36.8	54.5	72.1	89.8	88.9	87.9
105°	106.4	109.3	112.1	113.5	113.1	112.4	111.7	111.0	110.3	109.9	109.5
107.5°	135.5	135.2	134.9	134.7	134.5	134.1	133.8	133.4	133.0	132.4	131.9
110°	157.3	157.0	156.8	156.7	156.6	156.5	156.3	156.2	156.0	155.5	155.0

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	178.7	178.4	178.1	177.9	177.9	178.0	178.1	178.1	178.2	178.0	177.9
115°	200.2	200.2	200.2	200.2	200.1	199.9	199.8	199.6	199.4	199.5	199.6
117.5°	221.7	221.7	221.7	221.7	221.7	221.8	221.9	222.0	222.1	221.9	221.6
120°	242.2	242.4	242.5	242.6	242.5	242.4	242.2	242.1	241.9	242.0	242.0
122.5°	262.0	262.2	262.3	262.4	262.4	262.3	262.2	262.1	262.0	261.8	261.7
125°	281.3	281.2	281.1	281.1	281.0	280.8	280.5	280.3	280.1	280.3	280.4
127.5°	299.0	299.1	299.2	299.2	299.2	299.3	299.4	299.4	299.5	299.1	298.7
130°	316.5	316.5	316.5	316.5	316.5	316.4	316.3	316.2	316.1	315.9	315.7
132.5°	332.9	333.0	333.1	333.1	333.1	333.0	332.9	332.9	332.8	332.5	332.2
135°	348.7	348.5	348.4	348.3	348.2	348.1	347.9	347.8	347.6	347.3	347.0
137.5°	363.0	363.1	363.2	363.2	363.1	363.0	362.8	362.7	362.5	362.1	361.7
140°	377.2	377.1	377.0	377.0	376.9	376.6	376.4	376.1	375.9	375.7	375.6
142.5°	389.3	389.3	389.3	389.3	389.2	389.1	388.9	388.8	388.6	388.5	388.5
145°	401.4	401.2	401.1	401.0	401.0	400.9	400.8	400.8	400.7	400.7	400.7
147.5°	411.8	411.7	411.6	411.6	411.6	411.5	411.4	411.4	411.3	411.4	411.4
150°	421.7	421.6	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.6	421.7
152.5°	430.5	430.6	430.7	430.7	430.6	430.5	430.3	430.2	430.0	430.2	430.3
155°	438.3	438.5	438.8	438.9	438.7	438.4	438.1	437.7	437.4	437.6	437.9
157.5°	445.0	445.3	445.7	445.9	445.7	445.3	445.0	444.6	444.2	444.5	444.8
160°	451.4	451.9	452.4	452.6	452.4	451.9	451.4	451.0	450.5	450.6	450.7
162.5°	456.6	457.2	457.7	458.0	457.8	457.3	456.8	456.3	455.8	455.9	456.0
165°	461.5	462.2	462.9	463.3	463.0	462.3	461.7	461.0	460.4	460.4	460.4
167.5°	465.2	465.9	466.7	467.1	466.8	466.1	465.4	464.7	464.0	464.1	464.1
170°	468.4	469.1	469.9	470.3	470.0	469.4	468.7	468.1	467.5	467.4	467.3
172.5°	470.3	471.2	472.1	472.5	472.2	471.5	470.9	470.2	469.6	469.5	469.5
175°	471.9	472.8	473.7	474.2	473.8	473.1	472.4	471.7	471.0	470.9	470.9
177.5°	472.6	473.5	474.4	474.9	474.6	474.0	473.3	472.7	472.1	471.9	471.8
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	980.8	976.9	974.6	973.9	966.9	963.1	960.8	959.2	956.9	950.7	945.3
5°	1017.8	1007.0	1001.6	995.4	984.6	972.3	962.3	956.1	948.4	936.1	924.5
7.5°	1052.4	1036.3	1025.5	1017.0	998.5	978.5	962.3	949.2	934.6	917.6	901.4
10°	1088.7	1062.5	1048.6	1035.5	1008.5	982.3	959.2	940.0	919.2	896.8	879.1
12.5°	1117.2	1082.5	1067.1	1048.6	1015.5	984.6	955.4	929.2	902.2	878.3	852.9
15°	1150.3	1107.1	1089.4	1065.5	1020.1	980.0	942.3	913.8	886.0	850.6	823.6
17.5°	1169.6	1119.5	1094.0	1073.2	1023.9	975.4	931.5	896.0	863.7	828.2	799.7
20°	1188.8	1131.8	1103.3	1074.0	1015.5	963.8	917.6	875.2	841.3	802.8	773.5
22.5°	1195.0	1128.7	1098.7	1071.7	1010.1	952.3	899.1	856.0	816.7	778.2	745.0
25°	1195.0	1127.9	1092.5	1057.8	993.1	933.8	880.6	833.6	789.7	751.2	718.1
27.5°	1182.7	1112.5	1075.6	1044.0	976.9	913.0	858.3	806.7	764.3	725.8	688.0
30°	1167.2	1090.2	1053.2	1015.5	950.7	889.9	830.6	782.8	738.1	694.2	660.3
32.5°	1148.0	1066.3	1025.5	987.0	918.4	855.2	800.5	753.5	711.1	665.7	627.9
35°	1120.2	1030.9	985.4	951.5	885.3	819.8	767.4	721.1	680.3	633.3	592.5
37.5°	1084.8	998.5	952.3	910.7	842.1	782.0	732.7	688.0	648.0	604.8	559.4
40°	1043.2	953.1	913.0	869.1	796.7	739.6	693.4	653.3	613.3	572.4	528.5
42.5°	996.2	906.8	862.1	819.8	750.4	694.2	651.0	614.8	577.8	540.1	493.1
45°	940.0	856.0	812.8	772.8	705.7	648.0	608.7	574.0	542.4	503.9	462.3
47.5°	876.8	803.6	759.7	716.5	651.0	601.0	562.4	533.2	506.2	467.7	429.9
50°	815.1	742.7	707.3	663.4	603.3	556.3	517.0	492.3	471.5	433.8	399.9
52.5°	737.3	682.6	648.7	611.0	553.2	505.4	474.6	453.0	428.4	399.1	369.0
55°	668.8	617.9	590.9	555.5	498.5	456.1	429.9	409.9	390.6	364.4	340.5
57.5°	590.9	559.4	532.4	501.6	445.3	409.1	386.0	369.0	351.3	329.8	310.5
60°	509.3	494.6	468.4	443.8	396.0	364.4	345.2	329.8	312.8	295.1	278.9
62.5°	436.8	428.4	413.0	393.7	349.0	322.1	302.8	291.2	278.9	262.7	247.3
65°	368.3	364.4	349.8	335.9	305.1	281.2	264.3	257.3	243.5	231.1	217.3
67.5°	307.4	302.8	294.3	288.2	262.0	239.6	231.1	221.9	210.3	201.1	189.5
70°	245.8	245.0	239.6	231.9	218.0	201.9	193.4	187.2	175.7	168.7	160.3
72.5°	191.1	194.9	190.3	187.2	178.0	166.4	158.7	154.9	145.6	140.2	134.1
75°	142.5	145.6	147.9	142.5	140.2	134.8	127.9	124.0	119.4	111.7	109.4
77.5°	97.1	104.0	104.0	105.6	106.3	103.2	97.8	94.8	89.4	87.8	84.8
80°	63.9	70.1	70.9	72.4	74.7	74.7	70.9	70.1	64.7	63.9	61.6
82.5°	37.0	42.4	45.5	47.8	47.0	50.1	47.0	46.2	43.1	43.1	41.6
85°	20.0	20.8	22.3	23.9	25.4	27.0	27.0	26.2	25.4	24.7	23.1
87.5°	7.7	7.7	8.5	7.7	8.5	10.0	10.8	10.8	10.0	9.2	7.7
90°	5.9	5.3	5.0	4.6	3.7	2.8	2.0	1.1	2.0	2.8	3.7
92.5°	5.5	4.9	4.6	4.7	4.8	5.0	5.1	5.3	5.1	5.0	4.8
95°	7.5	7.4	7.4	8.7	11.4	14.1	16.7	19.4	16.7	14.1	11.4
97.5°	32.5	40.8	44.9	44.0	42.3	40.6	38.8	37.1	38.8	40.6	42.3
100°	48.1	59.0	64.4	63.7	62.3	60.8	59.4	58.0	59.4	60.8	62.3
102.5°	87.0	86.1	85.6	85.1	84.2	83.2	82.3	81.3	82.3	83.2	84.2
105°	109.2	108.8	108.6	108.4	107.9	107.4	106.9	106.4	106.9	107.4	107.9
107.5°	131.3	130.8	130.5	130.4	130.1	129.9	129.6	129.4	129.6	129.9	130.1
110°	154.5	154.0	153.8	153.7	153.5	153.2	153.0	152.8	153.0	153.2	153.5

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	177.7	177.6	177.5	177.3	176.8	176.3	175.9	175.4	175.9	176.3	176.8
115°	199.7	199.8	199.8	199.7	199.4	199.2	198.9	198.7	198.9	199.2	199.4
117.5°	221.4	221.1	221.0	220.8	220.5	220.2	219.9	219.6	219.9	220.2	220.5
120°	242.1	242.2	242.2	242.0	241.7	241.4	241.1	240.8	241.1	241.4	241.7
122.5°	261.5	261.4	261.3	261.2	261.1	260.9	260.8	260.6	260.8	260.9	261.1
125°	280.6	280.7	280.8	280.6	280.3	280.0	279.7	279.4	279.7	280.0	280.3
127.5°	298.4	298.0	297.8	297.8	297.7	297.6	297.5	297.4	297.5	297.6	297.7
130°	315.4	315.2	315.1	315.1	315.0	314.9	314.8	314.7	314.8	314.9	315.0
132.5°	331.9	331.6	331.4	331.3	331.1	331.0	330.8	330.6	330.8	331.0	331.1
135°	346.7	346.4	346.2	346.2	346.3	346.4	346.5	346.6	346.5	346.4	346.3
137.5°	361.3	360.9	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7	360.7
140°	375.4	375.3	375.2	375.1	375.0	374.8	374.7	374.5	374.7	374.8	375.0
142.5°	388.4	388.3	388.3	388.1	387.8	387.5	387.2	386.9	387.2	387.5	387.8
145°	400.7	400.7	400.7	400.6	400.3	400.1	399.8	399.6	399.8	400.1	400.3
147.5°	411.5	411.6	411.6	411.4	410.9	410.4	410.0	409.5	410.0	410.4	410.9
150°	421.8	421.9	421.9	421.7	421.4	421.1	420.8	420.5	420.8	421.1	421.4
152.5°	430.5	430.6	430.7	430.6	430.4	430.1	429.9	429.7	429.9	430.1	430.4
155°	438.1	438.4	438.5	438.5	438.4	438.3	438.2	438.1	438.2	438.3	438.4
157.5°	445.1	445.4	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6
160°	450.8	450.9	450.9	451.0	451.2	451.5	451.7	451.9	451.7	451.5	451.2
162.5°	456.1	456.2	456.2	456.4	456.7	457.0	457.3	457.6	457.3	457.0	456.7
165°	460.4	460.4	460.4	460.6	461.0	461.4	461.8	462.2	461.8	461.4	461.0
167.5°	464.2	464.3	464.3	464.5	464.9	465.3	465.7	466.1	465.7	465.3	464.9
170°	467.2	467.1	467.1	467.3	467.8	468.3	468.8	469.3	468.8	468.3	467.8
172.5°	469.4	469.3	469.3	469.5	470.0	470.5	470.9	471.4	470.9	470.5	470.0
175°	470.8	470.7	470.7	470.9	471.4	471.9	472.3	472.8	472.3	471.9	471.4
177.5°	471.6	471.5	471.4	471.7	472.2	472.8	473.3	473.9	473.3	472.8	472.2
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	940.7	939.2	937.6	931.5	926.1	916.8	909.1	906.1	905.3	906.1	903.7
5°	913.8	913.0	907.6	896.8	886.8	876.0	868.3	860.6	856.0	856.0	850.6
7.5°	888.3	882.9	878.3	864.5	852.9	838.3	826.7	819.8	815.9	807.4	807.4
10°	861.4	853.7	847.5	834.4	817.5	802.8	788.2	779.7	772.8	766.6	764.3
12.5°	834.4	828.2	816.7	802.8	785.9	767.4	752.0	745.8	729.6	716.5	717.3
15°	809.0	795.1	789.7	769.7	749.7	731.9	709.6	691.9	678.8	670.3	659.5
17.5°	780.5	766.6	756.6	739.6	713.4	685.7	664.1	640.2	627.2	612.5	605.6
20°	748.9	737.3	729.6	702.7	671.1	637.9	614.1	599.4	584.8	574.0	567.8
22.5°	721.9	707.3	698.0	661.8	627.2	594.0	575.5	563.2	550.9	541.6	538.5
25°	687.2	678.8	656.4	624.8	582.5	560.1	543.9	527.8	520.8	514.7	507.7
27.5°	658.7	637.9	622.5	580.9	554.7	529.3	513.1	500.8	492.3	486.2	480.8
30°	623.3	604.0	582.5	547.8	523.9	500.0	485.4	475.4	466.1	462.3	457.7
32.5°	586.3	568.6	547.8	520.1	490.8	472.3	460.7	449.9	443.8	439.9	434.5
35°	553.2	530.8	517.0	490.8	466.9	446.1	435.3	426.1	419.1	417.6	416.8
37.5°	517.7	500.8	487.7	460.7	440.7	423.0	413.0	402.9	399.1	398.3	395.2
40°	486.9	472.3	460.0	434.5	413.0	396.8	389.1	382.9	379.1	379.1	378.3
42.5°	460.0	444.6	432.2	409.1	389.9	375.2	366.7	360.6	359.0	359.8	359.0
45°	429.9	416.8	404.5	380.6	364.4	353.6	344.4	341.3	339.0	339.8	340.5
47.5°	401.4	390.6	378.3	359.0	340.5	329.0	323.6	320.5	320.5	320.5	322.1
50°	376.0	363.7	352.9	332.8	315.9	306.6	302.0	298.2	298.9	299.7	300.5
52.5°	345.9	335.1	327.4	307.4	295.1	283.5	278.1	278.9	278.1	278.1	279.7
55°	319.7	309.0	301.2	282.8	270.4	262.7	258.1	255.8	256.6	255.0	258.1
57.5°	290.5	281.2	275.8	258.1	247.3	240.4	236.5	232.7	234.2	233.4	232.7
60°	265.0	254.3	245.8	233.4	224.2	215.7	213.4	209.6	211.1	209.6	208.8
62.5°	235.8	227.3	221.1	208.8	201.1	194.2	188.8	186.5	185.7	183.4	181.1
65°	206.5	201.9	195.7	183.4	175.7	170.3	167.2	164.9	164.1	157.9	151.0
67.5°	179.5	176.4	170.3	161.0	154.1	148.7	144.1	140.2	135.6	131.0	127.1
70°	154.1	149.5	145.6	137.1	131.0	125.6	121.0	116.3	114.0	109.4	107.9
72.5°	129.4	124.8	121.0	113.3	107.9	102.5	100.9	95.5	93.2	92.5	92.5
75°	104.0	100.2	97.8	90.9	86.3	82.4	80.1	78.6	77.0	75.5	73.2
77.5°	79.4	77.0	75.5	70.9	67.0	64.7	63.9	58.6	57.0	55.5	53.9
80°	57.8	57.0	55.5	51.6	50.1	44.7	44.7	43.1	42.4	42.4	42.4
82.5°	39.3	37.8	37.0	33.1	32.4	31.6	30.8	30.0	30.8	30.0	30.8
85°	20.8	20.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3	18.5	19.3
87.5°	7.7	7.7	7.7	7.7	6.9	7.7	7.7	6.9	7.7	7.7	7.7
90°	4.6	5.0	5.3	5.9	6.6	7.2	7.8	8.3	8.7	9.2	9.7
92.5°	4.7	4.6	4.9	5.5	6.2	6.8	7.4	7.9	8.3	8.8	9.3
95°	8.7	7.4	7.4	7.5	7.6	7.7	7.8	8.3	8.7	9.2	9.7
97.5°	44.0	44.9	40.8	32.5	24.3	16.0	7.8	8.2	8.6	8.9	9.3
100°	63.7	64.4	59.0	48.1	37.3	26.4	15.6	14.2	12.9	11.5	10.2
102.5°	85.1	85.6	86.1	87.0	87.9	88.9	89.8	72.1	54.5	36.8	19.1
105°	108.4	108.6	108.8	109.2	109.5	109.9	110.3	111.0	111.7	112.4	113.1
107.5°	130.4	130.5	130.8	131.3	131.9	132.4	133.0	133.4	133.8	134.1	134.5
110°	153.7	153.8	154.0	154.5	155.0	155.5	156.0	156.2	156.3	156.5	156.6

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.3	177.5	177.6	177.7	177.9	178.0	178.2	178.1	178.1	178.0	177.9
115°	199.7	199.8	199.8	199.7	199.6	199.5	199.4	199.6	199.8	199.9	200.1
117.5°	220.8	221.0	221.1	221.4	221.6	221.9	222.1	222.0	221.9	221.8	221.7
120°	242.0	242.2	242.2	242.1	242.0	242.0	241.9	242.1	242.2	242.4	242.5
122.5°	261.2	261.3	261.4	261.5	261.7	261.8	262.0	262.1	262.2	262.3	262.4
125°	280.6	280.8	280.7	280.6	280.4	280.3	280.1	280.3	280.5	280.8	281.0
127.5°	297.8	297.8	298.0	298.4	298.7	299.1	299.5	299.4	299.4	299.3	299.2
130°	315.1	315.1	315.2	315.4	315.7	315.9	316.1	316.2	316.3	316.4	316.5
132.5°	331.3	331.4	331.6	331.9	332.2	332.5	332.8	332.9	332.9	333.0	333.1
135°	346.2	346.2	346.4	346.7	347.0	347.3	347.6	347.8	347.9	348.1	348.2
137.5°	360.7	360.7	360.9	361.3	361.7	362.1	362.5	362.7	362.8	363.0	363.1
140°	375.1	375.2	375.3	375.4	375.6	375.7	375.9	376.1	376.4	376.6	376.9
142.5°	388.1	388.3	388.3	388.4	388.5	388.5	388.6	388.8	388.9	389.1	389.2
145°	400.6	400.7	400.7	400.7	400.7	400.7	400.7	400.8	400.8	400.9	401.0
147.5°	411.4	411.6	411.6	411.5	411.4	411.4	411.3	411.4	411.4	411.5	411.6
150°	421.7	421.9	421.9	421.8	421.7	421.6	421.5	421.5	421.5	421.5	421.5
152.5°	430.6	430.7	430.6	430.5	430.3	430.2	430.0	430.2	430.3	430.5	430.6
155°	438.5	438.5	438.4	438.1	437.9	437.6	437.4	437.7	438.1	438.4	438.7
157.5°	445.6	445.6	445.4	445.1	444.8	444.5	444.2	444.6	445.0	445.3	445.7
160°	451.0	450.9	450.9	450.8	450.7	450.6	450.5	451.0	451.4	451.9	452.4
162.5°	456.4	456.2	456.2	456.1	456.0	455.9	455.8	456.3	456.8	457.3	457.8
165°	460.6	460.4	460.4	460.4	460.4	460.4	460.4	461.0	461.7	462.3	463.0
167.5°	464.5	464.3	464.3	464.2	464.1	464.1	464.0	464.7	465.4	466.1	466.8
170°	467.3	467.1	467.1	467.2	467.3	467.4	467.5	468.1	468.7	469.4	470.0
172.5°	469.5	469.3	469.3	469.4	469.5	469.5	469.6	470.2	470.9	471.5	472.2
175°	470.9	470.7	470.7	470.8	470.9	470.9	471.0	471.7	472.4	473.1	473.8
177.5°	471.7	471.4	471.5	471.6	471.8	471.9	472.1	472.7	473.3	474.0	474.6
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	903.7	906.8	903.0	905.3	899.9	899.1	899.9	899.9	900.7	901.4	902.2
5°	852.9	852.1	847.5	844.4	842.1	844.4	846.0	847.5	846.0	847.5	848.3
7.5°	805.1	802.8	800.5	795.1	796.7	795.1	799.7	797.4	797.4	801.3	804.4
10°	762.8	758.1	756.6	750.4	745.8	745.0	750.4	752.7	755.0	756.6	762.8
12.5°	708.0	701.1	695.7	698.0	684.9	690.3	691.9	688.8	698.0	708.8	702.7
15°	649.5	650.3	639.5	635.6	624.8	627.9	628.7	636.4	644.1	643.3	652.6
17.5°	606.3	601.7	592.5	591.7	587.1	589.4	588.6	594.8	592.5	596.3	604.0
20°	566.3	563.2	555.5	552.4	554.0	552.4	553.2	554.0	556.3	564.7	563.2
22.5°	534.7	530.8	530.8	527.0	522.4	520.8	524.7	527.0	530.1	531.6	535.5
25°	507.0	503.9	500.0	497.7	493.9	494.6	496.9	500.0	502.3	505.4	508.5
27.5°	478.5	478.5	474.6	473.8	472.3	471.5	474.6	476.1	476.1	478.5	481.5
30°	456.1	456.1	452.3	451.5	450.7	450.7	453.0	453.8	454.6	456.9	458.4
32.5°	434.5	433.8	432.2	433.0	432.2	433.0	433.0	433.8	435.3	436.1	439.2
35°	414.5	415.3	413.7	413.7	413.0	413.7	415.3	416.0	416.8	418.4	418.4
37.5°	395.2	396.8	396.0	398.3	398.3	398.3	398.3	399.9	399.9	399.9	399.1
40°	378.3	378.3	377.5	379.1	380.6	380.6	381.4	381.4	382.1	382.1	381.4
42.5°	359.0	360.6	362.9	363.7	365.2	364.4	366.7	366.0	366.7	365.2	363.7
45°	341.3	341.3	344.4	347.5	348.2	348.2	348.2	349.8	348.2	345.9	345.2
47.5°	322.1	323.6	325.1	329.0	329.8	329.8	329.8	329.8	328.2	328.2	328.2
50°	302.8	303.6	304.3	305.9	308.2	307.4	307.4	307.4	310.5	307.4	308.2
52.5°	279.7	280.4	281.2	284.3	283.5	283.5	284.3	284.3	286.6	285.8	284.3
55°	256.6	256.6	258.1	258.1	258.1	259.6	260.4	262.0	261.2	262.0	262.7
57.5°	233.4	231.9	231.1	231.1	233.4	232.7	233.4	233.4	236.5	238.1	238.8
60°	206.5	206.5	205.7	201.1	201.1	200.3	202.6	204.2	205.7	212.6	211.9
62.5°	178.7	175.7	172.6	173.4	168.7	171.0	169.5	171.0	175.7	181.1	181.8
65°	151.0	148.7	145.6	144.8	143.3	145.6	144.8	145.6	147.9	151.0	154.9
67.5°	126.4	125.6	124.0	123.3	123.3	123.3	124.8	124.8	125.6	127.9	130.2
70°	107.9	107.1	107.9	106.3	107.1	106.3	107.1	107.9	108.6	109.4	111.7
72.5°	90.9	90.9	90.9	89.4	90.9	90.1	90.1	90.9	91.7	92.5	94.0
75°	72.4	70.9	69.3	67.8	67.0	68.6	69.3	68.6	70.9	74.0	74.0
77.5°	54.7	53.9	53.9	53.9	54.7	53.9	55.5	54.7	55.5	55.5	57.0
80°	42.4	41.6	42.4	42.4	41.6	43.1	42.4	42.4	43.1	43.9	43.1
82.5°	30.8	31.6	30.8	30.8	30.8	32.4	30.8	30.8	30.8	31.6	31.6
85°	19.3	19.3	19.3	19.3	20.0	19.3	20.0	19.3	20.8	20.0	20.0
87.5°	6.9	7.7	8.5	8.5	8.5	8.5	7.7	8.5	9.2	8.5	9.2
90°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
95°	9.9	9.9	10.0	10.1	10.2	10.3	10.2	10.1	10.0	9.9	9.9
97.5°	9.5	9.5	9.6	9.7	9.8	9.9	9.8	9.7	9.6	9.5	9.5
100°	9.5	9.5	9.6	9.7	9.8	9.9	9.8	9.7	9.6	9.5	9.5
102.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
105°	113.5	112.1	109.3	106.4	103.6	100.8	103.6	106.4	109.3	112.1	113.5
107.5°	134.7	134.9	135.2	135.5	135.8	136.1	135.8	135.5	135.2	134.9	134.7
110°	156.7	156.8	157.0	157.3	157.5	157.7	157.5	157.3	157.0	156.8	156.7



TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	177.9	178.1	178.4	178.7	179.0	179.3	179.0	178.7	178.4	178.1	177.9
115°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
117.5°	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7	221.7
120°	242.6	242.5	242.4	242.2	242.1	241.9	242.1	242.2	242.4	242.5	242.6
122.5°	262.4	262.3	262.2	262.0	261.9	261.7	261.9	262.0	262.2	262.3	262.4
125°	281.1	281.1	281.2	281.3	281.4	281.5	281.4	281.3	281.2	281.1	281.1
127.5°	299.2	299.2	299.1	299.0	298.9	298.8	298.9	299.0	299.1	299.2	299.2
130°	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
132.5°	333.1	333.1	333.0	332.9	332.9	332.8	332.9	332.9	333.0	333.1	333.1
135°	348.3	348.4	348.5	348.7	348.8	349.0	348.8	348.7	348.5	348.4	348.3
137.5°	363.2	363.2	363.1	363.0	362.9	362.8	362.9	363.0	363.1	363.2	363.2
140°	377.0	377.0	377.1	377.2	377.2	377.3	377.2	377.2	377.1	377.0	377.0
142.5°	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3
145°	401.0	401.1	401.2	401.4	401.5	401.7	401.5	401.4	401.2	401.1	401.0
147.5°	411.6	411.6	411.7	411.8	411.9	412.0	411.9	411.8	411.7	411.6	411.6
150°	421.5	421.5	421.6	421.7	421.8	421.9	421.8	421.7	421.6	421.5	421.5
152.5°	430.7	430.7	430.6	430.5	430.5	430.4	430.5	430.5	430.6	430.7	430.7
155°	438.9	438.8	438.5	438.3	438.0	437.8	438.0	438.3	438.5	438.8	438.9
157.5°	445.9	445.7	445.3	445.0	444.6	444.2	444.6	445.0	445.3	445.7	445.9
160°	452.6	452.4	451.9	451.4	451.0	450.5	451.0	451.4	451.9	452.4	452.6
162.5°	458.0	457.7	457.2	456.6	456.1	455.5	456.1	456.6	457.2	457.7	458.0
165°	463.3	462.9	462.2	461.5	460.8	460.1	460.8	461.5	462.2	462.9	463.3
167.5°	467.1	466.7	465.9	465.2	464.4	463.6	464.4	465.2	465.9	466.7	467.1
170°	470.3	469.9	469.1	468.4	467.6	466.8	467.6	468.4	469.1	469.9	470.3
172.5°	472.5	472.1	471.2	470.3	469.5	468.6	469.5	470.3	471.2	472.1	472.5
175°	474.2	473.7	472.8	471.9	470.9	470.0	470.9	471.9	472.8	473.7	474.2
177.5°	474.9	474.4	473.5	472.6	471.6	470.7	471.6	472.6	473.5	474.4	474.9
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	905.3	909.1	907.6	902.2	904.5	909.1	913.8	919.9	923.8	926.9	928.4
5°	852.1	859.1	857.5	857.5	860.6	868.3	876.0	889.1	893.7	899.1	906.8
7.5°	805.1	810.5	815.1	816.7	821.3	831.3	841.3	856.0	867.5	873.7	878.3
10°	763.5	767.4	774.3	778.2	782.8	795.1	809.7	825.2	836.7	847.5	853.7
12.5°	710.4	725.8	735.0	741.2	747.3	765.8	777.4	794.3	808.2	818.2	827.5
15°	651.0	669.5	674.9	698.8	714.2	728.9	746.6	766.6	779.7	791.3	803.6
17.5°	601.0	614.1	620.2	645.6	658.7	681.9	707.3	732.7	752.7	761.2	773.5
20°	569.4	576.3	588.6	597.1	611.0	637.9	665.7	696.5	726.5	735.0	747.3
22.5°	537.0	546.3	554.7	566.3	577.1	595.6	623.3	657.2	689.6	705.0	719.6
25°	507.7	517.0	522.4	534.7	544.7	563.2	582.5	617.1	655.7	668.8	691.9
27.5°	484.6	490.0	499.3	504.6	516.2	533.2	550.9	577.1	614.8	637.2	659.5
30°	461.5	465.4	473.1	480.8	489.2	500.8	520.8	546.3	580.9	600.2	622.5
32.5°	438.4	444.6	449.2	454.6	463.8	477.7	491.6	516.2	543.9	565.5	587.9
35°	419.1	421.4	427.6	433.8	439.9	452.3	466.9	490.8	515.4	532.4	552.4
37.5°	398.3	402.2	406.8	409.1	419.1	426.8	442.2	460.7	490.0	500.8	520.8
40°	382.1	381.4	386.0	389.9	394.5	406.8	416.0	436.1	459.2	476.1	488.5
42.5°	362.1	362.1	363.7	368.3	374.4	382.1	392.9	409.9	433.8	446.1	460.7
45°	345.9	343.6	344.4	347.5	351.3	359.0	369.8	384.5	408.3	418.4	433.8
47.5°	326.7	324.4	324.4	327.4	330.5	335.9	344.4	361.3	380.6	393.7	405.3
50°	305.1	305.9	305.1	307.4	309.0	314.3	323.6	337.5	355.2	366.0	379.1
52.5°	285.1	283.5	282.8	284.3	287.4	291.2	301.2	313.6	330.5	341.3	352.9
55°	260.4	262.0	262.0	262.0	266.6	268.1	275.8	288.2	305.1	313.6	324.4
57.5°	238.1	237.3	238.8	238.1	241.9	247.3	253.5	262.7	279.7	288.2	298.2
60°	213.4	214.2	215.0	215.0	218.0	223.4	230.4	238.8	252.7	261.2	270.4
62.5°	183.4	187.2	191.1	192.6	197.2	201.1	205.7	215.0	227.3	233.4	241.9
65°	154.9	160.3	165.6	169.5	172.6	176.4	182.6	191.1	201.1	207.3	215.7
67.5°	130.2	134.1	141.0	144.8	151.0	155.6	159.5	166.4	178.7	181.1	188.0
70°	112.5	114.0	117.1	120.2	127.1	131.0	135.6	142.5	151.8	157.2	161.0
72.5°	94.8	95.5	97.1	100.2	103.2	107.9	113.3	119.4	127.9	130.2	135.6
75°	75.5	80.1	80.1	82.4	84.8	87.1	91.7	97.8	103.2	107.1	110.2
77.5°	56.2	58.6	60.1	63.9	67.0	69.3	72.4	77.0	80.1	83.2	85.5
80°	43.9	44.7	45.5	45.5	47.0	50.1	53.2	56.2	60.1	61.6	63.9
82.5°	32.4	32.4	32.4	33.9	34.7	35.4	35.4	37.0	40.8	42.4	44.7
85°	20.8	20.8	20.8	20.8	21.6	22.3	23.1	23.9	23.9	23.9	25.4
87.5°	8.5	10.0	9.2	10.0	10.0	10.0	10.0	10.8	10.8	11.6	11.6
90°	9.7	9.2	8.7	8.3	7.8	7.2	6.6	5.9	5.3	5.0	4.6
92.5°	9.3	8.8	8.3	7.9	7.4	6.8	6.2	5.5	4.9	4.6	4.7
95°	9.7	9.2	8.7	8.3	7.8	7.7	7.6	7.5	7.4	7.4	8.7
97.5°	9.3	8.9	8.6	8.2	7.8	16.0	24.3	32.5	40.8	44.9	44.0
100°	10.2	11.5	12.9	14.2	15.6	26.4	37.3	48.1	59.0	64.4	63.7
102.5°	19.1	36.8	54.5	72.1	89.8	88.9	87.9	87.0	86.1	85.6	85.1
105°	113.1	112.4	111.7	111.0	110.3	109.9	109.5	109.2	108.8	108.6	108.4
107.5°	134.5	134.1	133.8	133.4	133.0	132.4	131.9	131.3	130.8	130.5	130.4
110°	156.6	156.5	156.3	156.2	156.0	155.5	155.0	154.5	154.0	153.8	153.7

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	177.9	178.0	178.1	178.1	178.2	178.0	177.9	177.7	177.6	177.5	177.3
115°	200.1	199.9	199.8	199.6	199.4	199.5	199.6	199.7	199.8	199.8	199.7
117.5°	221.7	221.8	221.9	222.0	222.1	221.9	221.6	221.4	221.1	221.0	220.8
120°	242.5	242.4	242.2	242.1	241.9	242.0	242.0	242.1	242.2	242.2	242.0
122.5°	262.4	262.3	262.2	262.1	262.0	261.8	261.7	261.5	261.4	261.3	261.2
125°	281.0	280.8	280.5	280.3	280.1	280.3	280.4	280.6	280.7	280.8	280.6
127.5°	299.2	299.3	299.4	299.4	299.5	299.1	298.7	298.4	298.0	297.8	297.8
130°	316.5	316.4	316.3	316.2	316.1	315.9	315.7	315.4	315.2	315.1	315.1
132.5°	333.1	333.0	332.9	332.9	332.8	332.5	332.2	331.9	331.6	331.4	331.3
135°	348.2	348.1	347.9	347.8	347.6	347.3	347.0	346.7	346.4	346.2	346.2
137.5°	363.1	363.0	362.8	362.7	362.5	362.1	361.7	361.3	360.9	360.7	360.7
140°	376.9	376.6	376.4	376.1	375.9	375.7	375.6	375.4	375.3	375.2	375.1
142.5°	389.2	389.1	388.9	388.8	388.6	388.5	388.5	388.4	388.3	388.3	388.1
145°	401.0	400.9	400.8	400.8	400.7	400.7	400.7	400.7	400.7	400.7	400.6
147.5°	411.6	411.5	411.4	411.4	411.3	411.4	411.4	411.5	411.6	411.6	411.4
150°	421.5	421.5	421.5	421.5	421.5	421.6	421.7	421.8	421.9	421.9	421.7
152.5°	430.6	430.5	430.3	430.2	430.0	430.2	430.3	430.5	430.6	430.7	430.6
155°	438.7	438.4	438.1	437.7	437.4	437.6	437.9	438.1	438.4	438.5	438.5
157.5°	445.7	445.3	445.0	444.6	444.2	444.5	444.8	445.1	445.4	445.6	445.6
160°	452.4	451.9	451.4	451.0	450.5	450.6	450.7	450.8	450.9	450.9	451.0
162.5°	457.8	457.3	456.8	456.3	455.8	455.9	456.0	456.1	456.2	456.2	456.4
165°	463.0	462.3	461.7	461.0	460.4	460.4	460.4	460.4	460.4	460.4	460.6
167.5°	466.8	466.1	465.4	464.7	464.0	464.1	464.1	464.2	464.3	464.3	464.5
170°	470.0	469.4	468.7	468.1	467.5	467.4	467.3	467.2	467.1	467.1	467.3
172.5°	472.2	471.5	470.9	470.2	469.6	469.5	469.5	469.4	469.3	469.3	469.5
175°	473.8	473.1	472.4	471.7	471.0	470.9	470.9	470.8	470.7	470.7	470.9
177.5°	474.6	474.0	473.3	472.7	472.1	471.9	471.8	471.6	471.5	471.4	471.7
180°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	956.1	956.1	956.1	956.1
2.5°	934.6	939.2	946.9	957.7
5°	913.0	926.1	938.4	954.6
7.5°	893.7	909.1	926.1	949.2
10°	871.4	890.6	912.2	940.7
12.5°	845.2	872.2	896.8	927.6
15°	825.9	846.0	877.5	913.8
17.5°	799.0	825.9	857.5	898.4
20°	773.5	802.0	837.5	879.9
22.5°	746.6	778.9	814.4	859.8
25°	718.8	753.5	788.9	837.5
27.5°	693.4	725.0	765.1	814.4
30°	662.6	698.8	737.3	788.9
32.5°	632.5	670.3	709.6	761.2
35°	600.2	637.9	681.1	730.4
37.5°	568.6	610.2	649.5	697.3
40°	533.9	577.1	617.9	666.4
42.5°	500.0	544.7	585.5	627.2
45°	468.4	512.4	549.3	588.6
47.5°	438.4	477.7	515.4	550.9
50°	409.1	442.2	476.9	506.2
52.5°	378.3	409.9	437.6	463.8
55°	350.6	375.2	399.9	423.8
57.5°	317.4	342.1	363.7	382.1
60°	289.7	305.1	325.9	345.2
62.5°	258.1	275.8	292.0	304.3
65°	227.3	242.7	255.0	265.8
67.5°	201.1	210.3	219.6	231.1
70°	169.5	177.2	188.0	196.5
72.5°	142.5	148.7	154.1	164.1
75°	115.6	121.0	124.0	133.3
77.5°	89.4	94.8	97.1	102.5
80°	68.6	69.3	72.4	77.0
82.5°	47.0	48.5	49.3	53.2
85°	27.0	30.8	30.0	31.6
87.5°	11.6	12.3	13.9	15.4
90°	3.7	2.8	2.0	1.1
92.5°	4.8	5.0	5.1	5.3
95°	11.4	14.1	16.7	19.4
97.5°	42.3	40.6	38.8	37.1
100°	62.3	60.8	59.4	58.0
102.5°	84.2	83.2	82.3	81.3
105°	107.9	107.4	106.9	106.4
107.5°	130.1	129.9	129.6	129.4
110°	153.5	153.2	153.0	152.8

TEST NUMBER: P1013371

CATALOG NUMBER: S124RDIP-B575D365UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.8	176.3	175.9	175.4
115°	199.4	199.2	198.9	198.7
117.5°	220.5	220.2	219.9	219.6
120°	241.7	241.4	241.1	240.8
122.5°	261.1	260.9	260.8	260.6
125°	280.3	280.0	279.7	279.4
127.5°	297.7	297.6	297.5	297.4
130°	315.0	314.9	314.8	314.7
132.5°	331.1	331.0	330.8	330.6
135°	346.3	346.4	346.5	346.6
137.5°	360.7	360.7	360.7	360.7
140°	375.0	374.8	374.7	374.5
142.5°	387.8	387.5	387.2	386.9
145°	400.3	400.1	399.8	399.6
147.5°	410.9	410.4	410.0	409.5
150°	421.4	421.1	420.8	420.5
152.5°	430.4	430.1	429.9	429.7
155°	438.4	438.3	438.2	438.1
157.5°	445.6	445.6	445.6	445.6
160°	451.2	451.5	451.7	451.9
162.5°	456.7	457.0	457.3	457.6
165°	461.0	461.4	461.8	462.2
167.5°	464.9	465.3	465.7	466.1
170°	467.8	468.3	468.8	469.3
172.5°	470.0	470.5	470.9	471.4
175°	471.4	471.9	472.3	472.8
177.5°	472.2	472.8	473.3	473.9
180°	472.8	472.8	472.8	472.8

(END OF REPORT)