

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: P1027157

Luminaire Tested: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027157
REPORT IS A COMBINATION OF REPORTS P1005328 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K
Description: Define 5 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

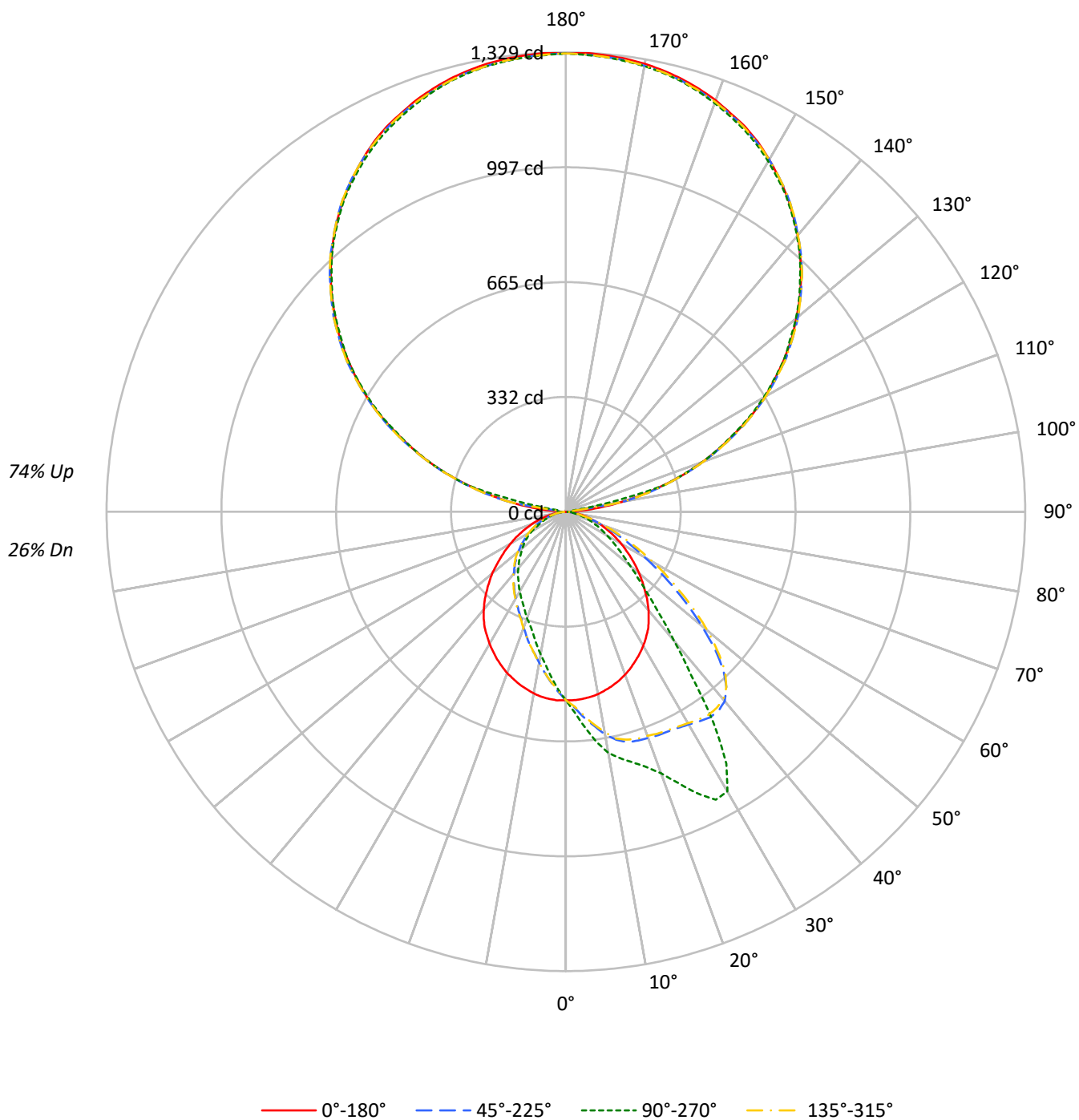
Lumens per Lamp: N/A
Luminaire Lumens: 5487.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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: P1027157

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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	101	101	101	101		90	90	90	90		70	70	70		51	51	51		34	34	34
1	93	89	85	82		82	79	76	73		61	59	58		45	44	43		30	30	29
2	84	77	72	67		75	69	64	60		54	51	48		40	38	36		27	26	25
3	77	68	61	56		68	61	55	51		48	44	40		35	33	31		24	22	21
4	70	60	53	47		63	54	48	43		42	38	34		32	29	26		21	20	18
5	65	54	46	40		57	48	42	37		38	33	30		28	25	23		19	18	16
6	59	48	40	35		53	43	37	32		34	29	26		26	22	20		18	16	14
7	55	43	36	30		49	39	32	28		31	26	23		23	20	18		16	14	13
8	51	39	32	27		45	35	29	24		28	23	20		21	18	16		15	13	11
9	47	36	28	24		42	32	26	22		26	21	18		19	16	14		14	12	10
10	44	32	26	21		39	29	23	19		23	19	16		18	15	12		13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3492	3492	3492	3492
5°	3489	3936	3489	3025
10°	3469	4422	3458	2615
15°	3432	4679	3408	2277
20°	3387	5051	3356	2058
25°	3327	5717	3289	1868
30°	3267	6077	3218	1731
35°	3189	4998	3144	1605
40°	3050	3394	3024	1491
45°	2868	2440	2864	1379
50°	2681	1876	2694	1275
55°	2471	1525	2467	1175
60°	2275	1250	2265	1043
65°	2048	1042	2061	840
70°	1858	836	1851	699
75°	1571	633	1571	575
80°	1273	386	1257	386
85°	898	203	869	229

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 4970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.0
10°-20°	153.2	2.8
20°-30°	242.9	4.4
30°-40°	293.6	5.4
40°-50°	261.4	4.8
50°-60°	200.4	3.7
60°-70°	130.2	2.4
70°-80°	63.2	1.2
80°-90°	16.8	0.3
90°-100°	45.0	0.8
100°-110°	299.3	5.5
110°-120°	538.9	9.8
120°-130°	691.7	12.6
130°-140°	744.0	13.6
140°-150°	698.2	12.7
150°-160°	564.8	10.3
160°-170°	365.3	6.7
170°-180°	126.0	2.3
0°-30°	448.4	8.2
0°-40°	742.0	13.5
0°-60°	1203.8	21.9
0°-90°	1414.0	25.8
90°-120°	883.1	16.1
90°-150°	3017.0	55.0
90°-180°	4073.0	74.2
0°-180°	5487.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	545	545	545	545	545	
5°	544	625	544	480	544	52
15°	521	750	517	365	521	147
25°	476	898	471	294	476	219
35°	415	746	409	239	415	258
45°	324	333	324	188	324	250
55°	229	183	229	141	229	205
65°	142	104	143	84	142	142
75°	69	48	69	44	69	74
85°	16	10	15	12	16	18
90°	1	24	1	24	1	4
95°	56	21	56	21	56	69
105°	289	292	289	292	289	306
115°	543	539	543	539	543	538
125°	772	772	772	772	772	689
135°	962	958	962	958	962	742
145°	1116	1113	1116	1113	1116	698
155°	1229	1220	1229	1220	1229	566
165°	1296	1290	1296	1290	1296	366
175°	1326	1320	1326	1320	1326	126
180°	1326	1326	1326	1326	1326	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	545.5	549.9	551.3	554.9	558.9	559.8	562.0	565.1	566.9	566.5	566.5
5°	543.7	551.3	556.6	562.9	570.5	573.6	576.3	583.0	588.4	591.5	596.9
7.5°	540.5	551.7	560.7	570.1	581.7	587.1	592.9	602.3	612.1	618.4	624.2
10°	535.6	549.9	562.5	576.3	592.0	600.0	607.2	621.5	633.6	641.7	655.1
12.5°	528.5	546.3	563.8	582.1	601.8	610.3	620.2	635.8	652.8	664.5	675.7
15°	520.8	542.3	561.1	583.0	606.8	619.7	632.3	648.8	664.0	677.0	690.0
17.5°	511.9	534.7	558.0	583.0	609.9	622.9	633.6	653.3	669.4	682.4	694.0
20°	501.2	526.7	553.1	580.8	608.1	620.2	630.5	651.9	666.3	680.1	696.7
22.5°	489.5	517.3	545.5	572.7	599.6	612.6	624.7	643.4	659.1	677.9	699.4
25°	476.1	506.5	535.2	562.5	588.0	600.0	610.8	631.4	653.3	677.0	701.2
27.5°	462.7	492.2	519.9	545.0	572.7	583.9	594.7	620.6	646.6	671.6	704.7
30°	447.9	477.9	502.1	525.3	552.2	563.8	577.2	606.8	636.3	670.3	710.6
32.5°	431.4	458.6	481.0	505.2	529.3	543.7	560.7	592.9	626.9	667.6	719.1
35°	414.8	436.7	457.3	480.1	509.2	524.4	541.0	575.0	617.5	666.3	726.2
37.5°	393.8	414.8	430.9	454.2	484.2	502.1	518.6	558.0	606.3	663.1	725.8
40°	372.3	390.2	405.4	429.6	462.2	478.8	496.7	539.6	594.7	654.2	715.0
42.5°	349.0	364.2	380.8	404.1	435.8	451.9	472.5	522.6	578.6	641.7	687.3
45°	324.4	339.2	353.0	377.2	409.0	426.4	448.8	500.3	558.9	615.3	642.6
47.5°	300.2	313.2	328.0	349.0	381.2	400.5	423.3	478.3	532.5	579.9	582.1
50°	277.0	287.3	299.8	321.3	354.8	373.2	396.9	448.4	501.2	533.8	511.9
52.5°	252.8	262.2	275.2	294.0	325.3	346.8	367.4	418.8	463.1	485.0	444.8
55°	229.1	237.2	250.6	271.6	298.9	315.5	336.5	384.4	423.3	423.7	379.9
57.5°	205.8	213.0	224.2	243.0	268.5	287.7	307.0	348.6	375.0	367.4	318.6
60°	185.2	189.7	200.0	218.4	242.1	255.9	276.5	311.4	328.9	315.0	262.7
62.5°	163.8	168.2	176.3	191.1	213.4	228.2	241.2	269.8	281.9	260.9	217.9
65°	142.3	147.7	153.5	165.1	186.1	196.0	207.6	228.7	240.3	215.7	178.5
67.5°	123.5	126.2	132.0	144.1	158.8	167.8	175.9	190.2	192.4	172.7	142.3
70°	106.0	106.9	112.3	119.5	130.7	136.0	142.7	151.2	151.2	135.1	111.0
72.5°	86.4	87.7	91.7	99.3	106.0	108.7	111.0	116.3	115.4	100.7	84.1
75°	69.4	70.3	73.4	77.0	79.6	84.6	86.4	85.5	85.0	72.5	63.1
77.5°	53.7	54.1	56.4	59.5	60.0	61.7	60.4	60.4	56.4	49.2	44.3
80°	39.4	39.8	40.7	41.6	41.6	41.6	41.6	39.4	36.7	32.2	30.9
82.5°	26.4	26.4	26.8	27.7	27.3	26.4	25.5	23.3	21.5	20.1	19.2
85°	15.7	15.7	16.1	15.7	13.9	13.4	12.5	12.1	11.6	11.2	11.2
87.5°	7.6	7.2	6.3	5.4	5.4	5.4	5.4	5.4	5.4	4.9	4.9
90°	1.0	2.7	4.5	6.2	7.9	8.8	9.6	11.1	12.6	14.2	15.7
92.5°	18.7	16.7	14.7	12.8	10.8	9.8	10.5	11.8	13.1	14.4	15.7
95°	56.0	55.4	54.7	54.1	53.4	53.1	48.9	40.6	32.3	24.0	15.7
97.5°	105.2	106.5	107.8	109.1	110.4	111.1	100.7	80.0	59.2	38.5	17.7
100°	164.1	164.8	165.4	166.1	166.8	167.1	167.5	168.4	169.3	170.1	171.0
102.5°	224.1	225.0	225.8	226.7	227.6	228.0	228.2	228.7	229.1	229.6	230.0
105°	289.0	289.9	290.7	291.6	292.5	292.9	292.9	292.9	292.9	292.9	292.9
107.5°	355.8	355.8	355.8	355.8	355.8	355.8	356.0	356.5	356.9	357.4	357.8
110°	420.7	420.7	420.7	420.7	420.7	420.7	420.9	421.4	421.8	422.3	422.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	481.6	482.3	482.9	483.6	484.3	484.6	484.7	484.9	485.2	485.4	485.6
115°	542.6	543.7	544.8	545.9	547.0	547.5	547.6	547.8	548.1	548.3	548.5
117.5°	606.5	606.5	606.5	606.5	606.5	606.5	606.9	607.8	608.7	609.5	610.4
120°	665.4	665.2	665.0	664.7	664.5	664.4	664.7	665.4	666.1	666.7	667.4
122.5°	717.5	718.6	719.7	720.8	721.9	722.4	722.5	722.7	723.0	723.2	723.4
125°	771.6	773.1	774.7	776.2	777.7	778.5	778.5	778.5	778.5	778.5	778.5
127.5°	823.7	824.8	825.9	827.0	828.1	828.6	828.5	828.3	828.0	827.8	827.6
130°	870.9	872.0	873.1	874.2	875.3	875.8	875.9	876.1	876.4	876.6	876.8
132.5°	918.0	919.3	920.6	921.9	923.2	923.9	923.6	922.9	922.3	921.6	921.0
135°	962.3	963.6	964.9	966.2	967.5	968.2	968.0	967.5	967.1	966.6	966.2
137.5°	1003.6	1004.9	1006.2	1007.5	1008.8	1009.5	1009.3	1008.8	1008.4	1007.9	1007.5
140°	1043.9	1044.3	1044.7	1045.2	1045.6	1045.8	1045.7	1045.5	1045.2	1045.0	1044.8
142.5°	1080.2	1080.4	1080.6	1080.9	1081.1	1081.2	1081.4	1081.9	1082.3	1082.8	1083.2
145°	1115.6	1116.0	1116.5	1116.9	1117.4	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6
147.5°	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.2	1147.4	1147.6	1147.8	1148.0
150°	1176.5	1176.1	1175.7	1175.2	1174.8	1174.6	1174.8	1175.2	1175.7	1176.1	1176.5
152.5°	1205.1	1204.0	1202.9	1201.8	1200.7	1200.1	1200.3	1200.8	1201.2	1201.7	1202.1
155°	1228.6	1227.3	1226.0	1224.7	1223.4	1222.7	1222.9	1223.4	1223.8	1224.3	1224.7
157.5°	1247.3	1246.7	1246.0	1245.4	1244.7	1244.4	1244.4	1244.4	1244.4	1244.4	1244.4
160°	1267.0	1265.7	1264.4	1263.1	1261.8	1261.1	1261.2	1261.4	1261.7	1261.9	1262.1
162.5°	1282.7	1281.4	1280.1	1278.8	1277.5	1276.8	1276.9	1277.1	1277.4	1277.6	1277.8
165°	1296.5	1295.2	1293.9	1292.6	1291.3	1290.6	1290.7	1290.9	1291.1	1291.3	1291.5
167.5°	1307.3	1306.0	1304.7	1303.4	1302.1	1301.4	1301.5	1301.7	1302.0	1302.2	1302.4
170°	1316.1	1314.6	1313.0	1311.5	1310.0	1309.2	1309.3	1309.5	1309.8	1310.0	1310.2
172.5°	1322.0	1320.5	1318.9	1317.4	1315.9	1315.1	1315.3	1315.8	1316.2	1316.7	1317.1
175°	1325.9	1324.6	1323.3	1322.0	1320.7	1320.1	1320.2	1320.4	1320.6	1320.8	1321.0
177.5°	1328.9	1327.6	1326.3	1325.0	1323.7	1323.0	1323.1	1323.3	1323.6	1323.8	1324.0
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	568.7	571.9	574.5	573.2	578.6	578.1	579.0	580.8	581.3	580.4	578.6
5°	599.6	604.1	611.7	615.7	614.8	618.4	620.2	622.9	625.5	624.7	624.7
7.5°	634.1	640.3	647.9	658.2	659.6	662.7	668.1	668.1	671.2	669.8	669.4
10°	664.0	671.6	683.7	691.8	695.4	697.1	702.5	704.3	707.9	708.3	708.3
12.5°	688.6	702.1	710.1	718.2	720.0	722.6	726.7	729.4	730.7	730.7	729.4
15°	701.6	712.4	721.8	730.3	735.2	737.4	741.4	744.6	746.4	750.4	751.3
17.5°	707.0	720.0	735.2	747.3	755.8	758.0	766.1	768.7	772.3	774.1	776.3
20°	714.6	733.4	751.7	766.5	774.6	780.4	788.9	801.4	805.0	805.0	803.6
22.5°	721.3	745.5	770.5	794.2	801.0	812.6	828.2	841.7	847.0	849.3	847.5
25°	729.4	762.5	795.1	824.7	843.0	851.5	872.5	888.7	894.9	898.5	899.4
27.5°	743.2	784.8	826.5	864.0	882.8	892.7	914.6	928.5	936.1	939.2	937.0
30°	758.9	809.9	858.2	891.8	904.3	916.4	930.7	936.1	934.3	934.3	941.0
32.5°	775.0	827.8	870.8	892.7	897.2	895.4	889.6	873.4	864.0	864.0	869.9
35°	784.0	829.6	851.5	844.4	826.9	816.6	784.8	766.9	746.8	745.5	752.2
37.5°	779.0	798.7	789.8	742.8	719.1	699.4	649.7	630.0	615.3	594.7	626.4
40°	744.6	737.9	691.3	623.8	597.4	569.6	530.2	510.6	490.0	486.8	494.4
42.5°	686.4	646.6	578.6	513.2	486.4	466.7	436.7	417.5	404.5	399.1	408.1
45°	613.9	551.3	483.3	431.4	401.8	391.5	364.2	347.2	337.4	333.4	339.6
47.5°	525.3	462.2	397.8	353.9	336.5	326.2	307.9	293.1	284.6	281.9	284.6
50°	446.1	381.2	327.1	298.9	283.2	274.7	259.5	250.1	243.4	241.6	246.1
52.5°	377.7	318.6	277.4	252.4	242.1	234.9	224.2	216.1	212.1	210.3	213.4
55°	316.4	268.5	235.4	213.9	206.3	201.8	192.4	187.9	183.5	183.0	186.1
57.5°	262.2	229.1	198.7	183.5	181.2	174.5	166.5	162.4	160.2	159.7	161.1
60°	218.4	188.8	170.5	157.1	153.9	148.6	144.1	141.4	138.7	137.8	138.7
62.5°	181.7	158.4	143.6	134.7	130.2	128.9	123.9	120.8	120.4	120.4	121.3
65°	149.9	130.2	120.8	113.7	110.5	109.2	105.6	103.4	103.8	103.8	104.3
67.5°	122.2	107.8	99.3	95.8	93.1	92.6	89.0	88.1	87.3	87.3	88.1
70°	97.1	88.1	81.9	80.1	79.6	76.5	75.2	74.7	73.4	73.8	73.8
72.5°	76.1	70.3	66.7	64.0	64.4	62.6	60.9	60.9	60.0	61.3	61.3
75°	56.4	53.7	51.0	50.1	51.0	50.1	48.8	48.3	48.8	48.3	48.3
77.5°	41.6	40.3	39.4	38.9	38.9	37.1	36.2	37.1	35.3	36.2	36.2
80°	29.1	27.3	26.8	26.0	26.4	25.1	25.5	24.6	24.6	24.6	24.6
82.5°	18.3	17.9	17.9	17.9	17.5	17.5	17.5	17.5	17.5	17.5	17.0
85°	11.2	10.7	10.7	10.7	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	4.5	4.9	4.9	5.4	4.9	4.5	4.5	4.5	4.9	4.9	4.5
90°	16.8	17.9	19.0	20.1	20.6	20.9	21.6	22.3	22.9	23.6	22.9
92.5°	16.8	17.9	19.0	20.1	20.6	20.7	20.9	21.2	21.4	21.6	21.4
95°	16.8	17.9	19.0	20.1	20.6	20.6	20.6	20.6	20.6	20.6	20.6
97.5°	18.1	18.6	19.0	19.5	19.7	19.8	20.0	20.2	20.4	20.6	20.4
100°	138.5	105.9	73.4	40.9	24.6	24.2	23.3	22.4	21.5	20.6	21.5
102.5°	230.4	230.9	231.3	231.8	232.0	222.8	204.5	186.1	167.8	149.4	167.8
105°	292.9	292.9	292.9	292.9	292.9	292.8	292.6	292.3	292.1	291.9	292.1
107.5°	358.0	358.2	358.5	358.7	358.8	358.4	357.5	356.6	355.7	354.8	355.7
110°	422.0	421.4	420.7	420.0	419.7	419.8	420.0	420.3	420.5	420.7	420.5

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	484.7	483.8	482.9	482.0	481.6	481.4	481.0	480.5	480.1	479.7	480.1
115°	547.6	546.7	545.8	544.9	544.5	543.8	542.5	541.2	539.9	538.6	539.9
117.5°	609.1	607.8	606.5	605.2	604.5	604.3	603.8	603.4	602.9	602.5	602.9
120°	667.0	666.5	666.1	665.6	665.4	664.9	663.8	662.7	661.6	660.5	661.6
122.5°	723.0	722.6	722.1	721.7	721.5	720.8	719.5	718.2	716.9	715.6	716.9
125°	777.6	776.7	775.8	774.9	774.5	774.2	773.5	772.9	772.2	771.6	772.2
127.5°	827.2	826.7	826.3	825.8	825.6	824.7	823.0	821.3	819.5	817.8	819.5
130°	876.1	875.5	874.8	874.1	873.8	873.3	872.2	871.1	870.0	868.9	870.0
132.5°	921.0	921.0	921.0	921.0	921.0	920.5	919.4	918.3	917.2	916.1	917.2
135°	965.8	965.3	964.9	964.4	964.2	963.5	962.2	960.9	959.6	958.3	959.6
137.5°	1007.5	1007.5	1007.5	1007.5	1007.5	1007.0	1005.9	1004.8	1003.7	1002.6	1003.7
140°	1045.2	1045.7	1046.1	1046.6	1046.8	1046.1	1044.8	1043.5	1042.2	1040.9	1042.2
142.5°	1083.2	1083.2	1083.2	1083.2	1083.2	1082.5	1081.2	1079.9	1078.6	1077.3	1078.6
145°	1117.8	1118.0	1118.3	1118.5	1118.6	1117.9	1116.6	1115.3	1114.0	1112.7	1114.0
147.5°	1148.2	1148.4	1148.7	1148.9	1149.0	1148.2	1146.7	1145.2	1143.6	1142.1	1143.6
150°	1176.9	1177.4	1177.8	1178.3	1178.5	1177.6	1175.9	1174.1	1172.4	1170.6	1172.4
152.5°	1202.5	1203.0	1203.4	1203.9	1204.1	1203.3	1201.8	1200.3	1198.7	1197.2	1198.7
155°	1225.4	1226.0	1226.7	1227.4	1227.7	1226.8	1225.1	1223.3	1221.6	1219.8	1221.6
157.5°	1245.0	1245.7	1246.3	1247.0	1247.3	1246.4	1244.7	1243.0	1241.2	1239.5	1241.2
160°	1263.0	1263.8	1264.7	1265.6	1266.0	1265.1	1263.4	1261.6	1259.9	1258.1	1259.9
162.5°	1279.1	1280.4	1281.7	1283.0	1283.7	1282.7	1280.7	1278.8	1276.8	1274.8	1276.8
165°	1292.8	1294.1	1295.4	1296.7	1297.4	1296.5	1294.8	1293.1	1291.3	1289.6	1291.3
167.5°	1303.9	1305.4	1306.9	1308.4	1309.2	1308.2	1306.3	1304.3	1302.4	1300.4	1302.4
170°	1312.0	1313.7	1315.5	1317.2	1318.1	1317.1	1315.1	1313.2	1311.2	1309.2	1311.2
172.5°	1318.6	1320.2	1321.7	1323.2	1324.0	1323.0	1321.0	1319.1	1317.1	1315.1	1317.1
175°	1322.8	1324.5	1326.3	1328.0	1328.9	1327.9	1326.0	1324.0	1322.1	1320.1	1322.1
177.5°	1325.5	1327.1	1328.6	1330.1	1330.9	1330.0	1328.3	1326.5	1324.8	1323.0	1324.8
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	580.8	577.7	579.0	577.7	576.3	575.0	571.9	567.4	563.8	561.1	560.7
5°	625.5	621.5	618.8	617.5	614.8	611.2	605.4	598.7	590.6	587.5	581.3
7.5°	666.7	665.4	659.1	658.2	656.4	649.7	639.9	630.9	620.6	612.1	604.1
10°	705.6	702.5	698.0	691.8	690.9	682.4	673.0	660.5	647.0	639.0	624.7
12.5°	729.8	726.2	721.3	717.3	715.0	709.7	696.7	684.2	672.1	657.3	644.8
15°	747.3	742.8	733.8	730.7	728.0	720.9	711.5	698.5	682.4	672.1	654.2
17.5°	771.0	765.6	756.7	750.8	745.9	734.7	721.3	703.9	688.6	677.0	660.9
20°	798.3	790.2	778.6	771.0	763.8	750.8	732.0	711.5	689.5	675.2	658.7
22.5°	843.5	828.2	809.9	799.2	789.3	766.9	744.6	719.1	694.5	673.0	652.8
25°	887.3	872.1	849.3	834.5	819.3	793.3	763.8	728.5	697.1	672.1	645.7
27.5°	928.0	912.4	891.3	873.4	858.7	819.7	780.8	741.0	701.2	666.7	639.9
30°	937.4	930.7	914.6	898.9	885.5	849.7	804.5	754.0	706.1	661.8	631.8
32.5°	880.6	897.2	901.2	898.9	890.4	864.9	823.3	770.1	713.3	659.6	618.4
35°	762.5	792.5	823.3	839.9	847.9	851.5	826.9	778.1	718.2	656.0	609.4
37.5°	632.3	661.3	710.1	734.7	762.0	797.8	807.7	776.3	715.9	653.3	595.1
40°	519.5	556.6	596.9	619.3	643.0	707.4	756.2	752.6	708.8	643.4	583.9
42.5°	422.8	446.1	481.5	506.1	535.2	607.2	672.5	704.7	687.3	631.4	569.6
45°	352.6	370.5	395.6	420.6	438.5	503.8	581.3	634.1	650.6	609.9	547.7
47.5°	297.1	310.5	332.5	348.1	367.4	418.8	485.9	560.2	595.1	579.5	524.4
50°	254.6	265.3	282.8	292.6	309.6	353.9	405.0	482.8	535.6	537.4	493.5
52.5°	217.5	228.2	243.0	251.5	261.8	291.7	343.2	409.0	469.8	492.2	458.2
55°	189.3	195.5	207.6	214.3	223.7	252.8	285.5	341.4	405.0	441.6	420.2
57.5°	163.3	170.0	177.6	183.0	189.7	213.0	242.5	284.6	347.7	387.5	380.3
60°	142.3	146.3	153.5	157.5	163.8	179.0	199.6	241.6	291.7	329.3	333.4
62.5°	122.6	126.2	131.1	134.7	138.7	150.8	166.0	196.0	239.8	280.6	285.9
65°	105.6	108.7	111.4	114.5	117.7	125.3	138.3	161.5	195.5	233.6	245.2
67.5°	90.4	91.3	95.3	95.8	97.5	103.4	112.8	131.6	156.2	186.6	201.8
70°	75.6	77.4	78.3	79.6	81.4	85.5	93.1	102.9	121.3	145.9	160.2
72.5°	61.3	61.7	63.1	64.0	65.8	68.9	72.5	80.1	91.7	109.6	122.6
75°	48.8	49.2	50.1	50.6	51.9	52.8	54.6	60.0	68.0	78.8	88.1
77.5°	36.7	37.6	38.5	38.5	38.9	39.8	40.7	42.5	46.5	53.7	61.7
80°	25.1	25.5	25.5	26.0	25.5	26.8	28.2	30.4	32.2	34.5	38.5
82.5°	17.5	17.5	17.5	17.9	17.9	18.3	18.3	18.8	19.2	20.6	22.4
85°	10.7	10.7	11.2	10.3	10.7	11.2	11.2	10.7	11.2	11.6	12.1
87.5°	4.5	4.5	4.9	4.9	4.9	4.9	4.5	4.9	4.5	4.9	4.9
90°	22.3	21.6	20.9	20.6	20.1	19.0	17.9	16.8	15.7	14.2	12.6
92.5°	21.2	20.9	20.7	20.6	20.1	19.0	17.9	16.8	15.7	14.4	13.1
95°	20.6	20.6	20.6	20.6	20.1	19.0	17.9	16.8	15.7	24.0	32.3
97.5°	20.2	20.0	19.8	19.7	19.5	19.0	18.6	18.1	17.7	38.5	59.2
100°	22.4	23.3	24.2	24.6	40.9	73.4	105.9	138.5	171.0	170.1	169.3
102.5°	186.1	204.5	222.8	232.0	231.8	231.3	230.9	230.4	230.0	229.6	229.1
105°	292.3	292.6	292.8	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9
107.5°	356.6	357.5	358.4	358.8	358.7	358.5	358.2	358.0	357.8	357.4	356.9
110°	420.3	420.0	419.8	419.7	420.0	420.7	421.4	422.0	422.7	422.3	421.8

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	480.5	481.0	481.4	481.6	482.0	482.9	483.8	484.7	485.6	485.4	485.2
115°	541.2	542.5	543.8	544.5	544.9	545.8	546.7	547.6	548.5	548.3	548.1
117.5°	603.4	603.8	604.3	604.5	605.2	606.5	607.8	609.1	610.4	609.5	608.7
120°	662.7	663.8	664.9	665.4	665.6	666.1	666.5	667.0	667.4	666.7	666.1
122.5°	718.2	719.5	720.8	721.5	721.7	722.1	722.6	723.0	723.4	723.2	723.0
125°	772.9	773.5	774.2	774.5	774.9	775.8	776.7	777.6	778.5	778.5	778.5
127.5°	821.3	823.0	824.7	825.6	825.8	826.3	826.7	827.2	827.6	827.8	828.0
130°	871.1	872.2	873.3	873.8	874.1	874.8	875.5	876.1	876.8	876.6	876.4
132.5°	918.3	919.4	920.5	921.0	921.0	921.0	921.0	921.0	921.0	921.6	922.3
135°	960.9	962.2	963.5	964.2	964.4	964.9	965.3	965.8	966.2	966.6	967.1
137.5°	1004.8	1005.9	1007.0	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.9	1008.4
140°	1043.5	1044.8	1046.1	1046.8	1046.6	1046.1	1045.7	1045.2	1044.8	1045.0	1045.2
142.5°	1079.9	1081.2	1082.5	1083.2	1083.2	1083.2	1083.2	1083.2	1083.2	1082.8	1082.3
145°	1115.3	1116.6	1117.9	1118.6	1118.5	1118.3	1118.0	1117.8	1117.6	1117.6	1117.6
147.5°	1145.2	1146.7	1148.2	1149.0	1148.9	1148.7	1148.4	1148.2	1148.0	1147.8	1147.6
150°	1174.1	1175.9	1177.6	1178.5	1178.3	1177.8	1177.4	1176.9	1176.5	1176.1	1175.7
152.5°	1200.3	1201.8	1203.3	1204.1	1203.9	1203.4	1203.0	1202.5	1202.1	1201.7	1201.2
155°	1223.3	1225.1	1226.8	1227.7	1227.4	1226.7	1226.0	1225.4	1224.7	1224.3	1223.8
157.5°	1243.0	1244.7	1246.4	1247.3	1247.0	1246.3	1245.7	1245.0	1244.4	1244.4	1244.4
160°	1261.6	1263.4	1265.1	1266.0	1265.6	1264.7	1263.8	1263.0	1262.1	1261.9	1261.7
162.5°	1278.8	1280.7	1282.7	1283.7	1283.0	1281.7	1280.4	1279.1	1277.8	1277.6	1277.4
165°	1293.1	1294.8	1296.5	1297.4	1296.7	1295.4	1294.1	1292.8	1291.5	1291.3	1291.1
167.5°	1304.3	1306.3	1308.2	1309.2	1308.4	1306.9	1305.4	1303.9	1302.4	1302.2	1302.0
170°	1313.2	1315.1	1317.1	1318.1	1317.2	1315.5	1313.7	1312.0	1310.2	1310.0	1309.8
172.5°	1319.1	1321.0	1323.0	1324.0	1323.2	1321.7	1320.2	1318.6	1317.1	1316.7	1316.2
175°	1324.0	1326.0	1327.9	1328.9	1328.0	1326.3	1324.5	1322.8	1321.0	1320.8	1320.6
177.5°	1326.5	1328.3	1330.0	1330.9	1330.1	1328.6	1327.1	1325.5	1324.0	1323.8	1323.6
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	559.3	556.6	554.9	554.4	551.7	549.5	546.8	546.3	545.0	541.4	539.2
5°	576.8	570.5	569.2	565.1	558.4	553.5	547.2	543.7	539.6	532.9	527.6
7.5°	594.7	586.2	579.9	574.1	564.7	555.7	546.8	539.6	532.5	522.6	514.6
10°	612.1	599.1	591.5	583.0	570.1	556.6	544.1	533.8	522.2	510.6	498.9
12.5°	628.2	611.7	600.5	588.4	572.3	555.7	539.6	525.3	513.2	497.6	484.6
15°	638.1	619.7	608.5	596.9	572.7	554.4	535.6	517.3	501.2	484.6	472.5
17.5°	643.9	623.3	610.8	600.0	575.4	550.4	526.2	506.5	489.1	469.4	453.3
20°	641.2	621.1	609.4	599.1	570.5	545.5	519.5	496.7	474.8	454.6	437.6
22.5°	635.4	614.4	601.4	592.0	566.5	537.0	508.3	483.7	460.9	440.7	421.5
25°	622.9	602.3	591.1	579.5	554.4	526.2	497.1	470.7	446.6	425.1	403.6
27.5°	611.7	586.6	575.0	564.7	538.3	513.2	484.6	455.5	430.9	408.5	387.1
30°	598.7	570.5	558.0	544.1	520.4	496.7	468.0	441.2	415.7	392.0	371.4
32.5°	584.8	552.2	537.8	522.2	498.0	475.7	451.5	425.1	399.6	376.3	354.8
35°	566.9	532.0	515.5	500.7	475.7	453.3	430.9	409.0	383.5	358.9	338.3
37.5°	549.9	511.4	494.0	477.0	450.6	429.1	410.8	390.2	365.6	341.9	322.2
40°	530.7	486.4	468.5	452.8	425.5	401.8	385.3	369.2	347.7	324.9	303.4
42.5°	513.2	463.1	444.3	428.2	399.6	377.2	361.5	348.1	329.3	308.3	286.4
45°	489.1	438.1	418.8	401.8	372.7	351.7	335.6	324.0	309.2	289.5	269.8
47.5°	466.7	413.9	392.9	372.3	345.9	324.4	309.6	300.7	290.8	273.4	253.3
50°	439.4	386.2	364.7	347.7	317.7	299.4	284.6	278.3	269.4	252.8	236.7
52.5°	409.9	359.3	339.2	318.6	290.8	273.0	260.0	252.8	245.7	233.6	218.4
55°	375.4	329.3	310.5	292.2	264.4	247.9	236.3	228.7	224.6	213.4	202.3
57.5°	342.3	298.9	281.5	264.4	240.3	221.5	213.9	207.2	201.4	193.3	183.9
60°	308.7	269.4	250.6	235.4	214.3	197.3	191.1	184.4	179.9	173.6	166.9
62.5°	270.3	236.7	222.4	208.1	190.2	176.7	169.6	164.2	158.4	154.4	148.6
65°	229.5	205.8	192.0	181.2	164.2	152.1	146.8	143.2	138.3	134.2	129.8
67.5°	191.5	172.7	166.9	155.3	142.3	131.6	127.5	123.1	119.0	116.8	112.8
70°	154.8	141.4	135.6	132.4	118.1	111.0	107.4	105.6	100.7	98.4	95.8
72.5°	119.9	115.0	111.0	106.9	97.5	93.1	89.0	87.3	83.7	81.9	81.0
75°	88.6	85.5	83.2	82.8	78.8	74.3	70.3	69.4	66.7	64.9	64.0
77.5°	62.2	61.3	60.9	61.3	58.6	55.9	55.0	54.1	51.0	50.6	50.6
80°	40.7	43.0	43.0	42.5	41.6	41.2	39.8	38.9	37.1	36.7	37.1
82.5°	25.1	26.4	26.8	27.7	27.3	26.8	26.0	25.5	26.0	25.1	25.5
85°	12.5	13.4	15.2	15.2	15.7	15.7	15.7	15.2	14.3	14.8	14.3
87.5°	4.9	5.4	5.4	5.4	4.9	6.3	6.7	6.7	6.7	5.8	5.8
90°	11.1	9.6	8.8	7.9	6.2	4.5	2.7	1.0	2.7	4.5	6.2
92.5°	11.8	10.5	9.8	10.8	12.8	14.7	16.7	18.7	16.7	14.7	12.8
95°	40.6	48.9	53.1	53.4	54.1	54.7	55.4	56.0	55.4	54.7	54.1
97.5°	80.0	100.7	111.1	110.4	109.1	107.8	106.5	105.2	106.5	107.8	109.1
100°	168.4	167.5	167.1	166.8	166.1	165.4	164.8	164.1	164.8	165.4	166.1
102.5°	228.7	228.2	228.0	227.6	226.7	225.8	225.0	224.1	225.0	225.8	226.7
105°	292.9	292.9	292.9	292.5	291.6	290.7	289.9	289.0	289.9	290.7	291.6
107.5°	356.5	356.0	355.8	355.8	355.8	355.8	355.8	355.8	355.8	355.8	355.8
110°	421.4	420.9	420.7	420.7	420.7	420.7	420.7	420.7	420.7	420.7	420.7

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	484.9	484.7	484.6	484.3	483.6	482.9	482.3	481.6	482.3	482.9	483.6
115°	547.8	547.6	547.5	547.0	545.9	544.8	543.7	542.6	543.7	544.8	545.9
117.5°	607.8	606.9	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5	606.5
120°	665.4	664.7	664.4	664.5	664.7	665.0	665.2	665.4	665.2	665.0	664.7
122.5°	722.7	722.5	722.4	721.9	720.8	719.7	718.6	717.5	718.6	719.7	720.8
125°	778.5	778.5	778.5	777.7	776.2	774.7	773.1	771.6	773.1	774.7	776.2
127.5°	828.3	828.5	828.6	828.1	827.0	825.9	824.8	823.7	824.8	825.9	827.0
130°	876.1	875.9	875.8	875.3	874.2	873.1	872.0	870.9	872.0	873.1	874.2
132.5°	922.9	923.6	923.9	923.2	921.9	920.6	919.3	918.0	919.3	920.6	921.9
135°	967.5	968.0	968.2	967.5	966.2	964.9	963.6	962.3	963.6	964.9	966.2
137.5°	1008.8	1009.3	1009.5	1008.8	1007.5	1006.2	1004.9	1003.6	1004.9	1006.2	1007.5
140°	1045.5	1045.7	1045.8	1045.6	1045.2	1044.7	1044.3	1043.9	1044.3	1044.7	1045.2
142.5°	1081.9	1081.4	1081.2	1081.1	1080.9	1080.6	1080.4	1080.2	1080.4	1080.6	1080.9
145°	1117.6	1117.6	1117.6	1117.4	1116.9	1116.5	1116.0	1115.6	1116.0	1116.5	1116.9
147.5°	1147.4	1147.2	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1	1147.1
150°	1175.2	1174.8	1174.6	1174.8	1175.2	1175.7	1176.1	1176.5	1176.1	1175.7	1175.2
152.5°	1200.8	1200.3	1200.1	1200.7	1201.8	1202.9	1204.0	1205.1	1204.0	1202.9	1201.8
155°	1223.4	1222.9	1222.7	1223.4	1224.7	1226.0	1227.3	1228.6	1227.3	1226.0	1224.7
157.5°	1244.4	1244.4	1244.4	1244.7	1245.4	1246.0	1246.7	1247.3	1246.7	1246.0	1245.4
160°	1261.4	1261.2	1261.1	1261.8	1263.1	1264.4	1265.7	1267.0	1265.7	1264.4	1263.1
162.5°	1277.1	1276.9	1276.8	1277.5	1278.8	1280.1	1281.4	1282.7	1281.4	1280.1	1278.8
165°	1290.9	1290.7	1290.6	1291.3	1292.6	1293.9	1295.2	1296.5	1295.2	1293.9	1292.6
167.5°	1301.7	1301.5	1301.4	1302.1	1303.4	1304.7	1306.0	1307.3	1306.0	1304.7	1303.4
170°	1309.5	1309.3	1309.2	1310.0	1311.5	1313.0	1314.6	1316.1	1314.6	1313.0	1311.5
172.5°	1315.8	1315.3	1315.1	1315.9	1317.4	1318.9	1320.5	1322.0	1320.5	1318.9	1317.4
175°	1320.4	1320.2	1320.1	1320.7	1322.0	1323.3	1324.6	1325.9	1324.6	1323.3	1322.0
177.5°	1323.3	1323.1	1323.0	1323.7	1325.0	1326.3	1327.6	1328.9	1327.6	1326.3	1325.0
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	537.8	536.1	534.7	533.4	527.6	521.3	520.4	519.1	516.4	519.5	518.2
5°	524.0	519.9	517.7	511.9	504.7	499.4	494.9	489.5	487.3	485.5	485.0
7.5°	507.0	503.4	499.4	493.5	484.6	475.7	468.9	463.6	459.1	456.9	456.9
10°	490.4	485.9	480.6	470.7	462.2	451.0	443.9	438.5	432.2	428.7	425.5
12.5°	473.4	468.5	463.6	451.0	441.2	429.6	419.3	412.6	409.4	405.4	400.0
15°	456.4	448.8	443.9	431.4	418.8	407.2	400.5	393.3	386.2	382.1	380.3
17.5°	438.5	433.1	425.1	411.7	397.8	387.5	377.7	370.9	362.4	358.4	354.4
20°	422.4	414.3	406.3	392.9	379.4	365.6	355.7	347.7	342.3	339.2	335.6
22.5°	403.2	395.6	388.8	374.5	359.8	346.8	336.0	331.1	325.8	320.8	317.2
25°	386.6	379.0	372.3	356.6	340.5	328.4	320.4	314.1	308.3	306.1	302.5
27.5°	369.2	362.0	353.0	337.4	323.1	312.8	304.3	298.5	294.0	289.5	286.8
30°	352.6	344.5	336.5	319.5	307.9	297.6	289.5	282.3	278.8	276.5	272.1
32.5°	336.5	326.2	319.5	303.8	292.6	282.8	276.1	269.8	265.3	261.3	257.7
35°	319.0	307.9	301.1	288.2	276.5	266.7	260.9	256.4	251.0	247.4	245.7
37.5°	302.5	293.1	286.4	273.0	261.3	253.3	247.0	241.2	238.9	234.0	233.1
40°	284.6	276.5	270.3	257.3	246.6	240.3	233.6	228.2	224.2	221.9	218.8
42.5°	268.5	261.8	255.1	243.0	232.7	225.1	220.2	215.2	211.6	208.1	205.8
45°	253.7	246.6	240.3	228.7	218.4	211.6	206.7	200.9	200.0	195.1	192.9
47.5°	238.0	231.8	226.4	214.3	204.9	198.2	192.4	188.4	184.4	182.6	179.4
50°	222.8	216.6	210.3	199.6	191.1	184.4	178.5	174.1	171.8	169.1	166.5
52.5°	206.3	201.4	196.4	185.2	176.7	170.9	166.0	160.2	158.0	155.7	153.9
55°	192.4	185.2	179.9	170.5	162.9	156.6	151.2	146.8	144.5	142.7	140.5
57.5°	173.6	169.1	164.7	156.2	149.0	142.7	137.4	133.8	131.1	129.8	130.2
60°	157.5	152.6	149.9	140.9	133.8	128.9	123.9	120.4	117.7	116.3	115.9
62.5°	140.5	136.9	132.0	125.7	118.6	114.1	110.5	107.8	103.4	102.9	101.6
65°	123.9	121.3	116.8	111.0	105.2	101.1	97.1	93.5	91.7	89.5	88.1
67.5°	107.8	105.2	101.1	96.2	92.2	88.1	84.6	81.0	77.9	76.1	75.2
70°	92.2	89.9	87.3	81.4	76.5	73.4	70.7	68.5	65.3	64.4	64.0
72.5°	77.0	74.7	73.4	68.5	64.0	61.3	58.6	56.4	55.0	54.6	53.2
75°	63.1	60.9	59.1	54.6	51.9	50.1	47.4	46.5	45.2	44.7	44.3
77.5°	49.2	47.0	46.5	43.4	40.3	39.4	38.5	36.7	36.7	36.7	35.8
80°	35.3	34.9	34.5	31.3	30.0	29.1	28.6	27.3	26.4	25.5	25.1
82.5°	23.7	23.3	22.8	21.5	20.1	19.7	19.2	18.3	18.3	18.8	17.9
85°	14.3	13.4	13.0	12.5	11.6	11.6	12.1	11.6	11.6	11.6	11.2
87.5°	5.4	5.4	5.4	5.4	5.8	4.9	5.4	5.4	4.9	4.9	4.5
90°	7.9	8.8	9.6	11.1	12.6	14.2	15.7	16.8	17.9	19.0	20.1
92.5°	10.8	9.8	10.5	11.8	13.1	14.4	15.7	16.8	17.9	19.0	20.1
95°	53.4	53.1	48.9	40.6	32.3	24.0	15.7	16.8	17.9	19.0	20.1
97.5°	110.4	111.1	100.7	80.0	59.2	38.5	17.7	18.1	18.6	19.0	19.5
100°	166.8	167.1	167.5	168.4	169.3	170.1	171.0	138.5	105.9	73.4	40.9
102.5°	227.6	228.0	228.2	228.7	229.1	229.6	230.0	230.4	230.9	231.3	231.8
105°	292.5	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9
107.5°	355.8	355.8	356.0	356.5	356.9	357.4	357.8	358.0	358.2	358.5	358.7
110°	420.7	420.7	420.9	421.4	421.8	422.3	422.7	422.0	421.4	420.7	420.0

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	484.3	484.6	484.7	484.9	485.2	485.4	485.6	484.7	483.8	482.9	482.0
115°	547.0	547.5	547.6	547.8	548.1	548.3	548.5	547.6	546.7	545.8	544.9
117.5°	606.5	606.5	606.9	607.8	608.7	609.5	610.4	609.1	607.8	606.5	605.2
120°	664.5	664.4	664.7	665.4	666.1	666.7	667.4	667.0	666.5	666.1	665.6
122.5°	721.9	722.4	722.5	722.7	723.0	723.2	723.4	723.0	722.6	722.1	721.7
125°	777.7	778.5	778.5	778.5	778.5	778.5	778.5	777.6	776.7	775.8	774.9
127.5°	828.1	828.6	828.5	828.3	828.0	827.8	827.6	827.2	826.7	826.3	825.8
130°	875.3	875.8	875.9	876.1	876.4	876.6	876.8	876.1	875.5	874.8	874.1
132.5°	923.2	923.9	923.6	922.9	922.3	921.6	921.0	921.0	921.0	921.0	921.0
135°	967.5	968.2	968.0	967.5	967.1	966.6	966.2	965.8	965.3	964.9	964.4
137.5°	1008.8	1009.5	1009.3	1008.8	1008.4	1007.9	1007.5	1007.5	1007.5	1007.5	1007.5
140°	1045.6	1045.8	1045.7	1045.5	1045.2	1045.0	1044.8	1045.2	1045.7	1046.1	1046.6
142.5°	1081.1	1081.2	1081.4	1081.9	1082.3	1082.8	1083.2	1083.2	1083.2	1083.2	1083.2
145°	1117.4	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.8	1118.0	1118.3	1118.5
147.5°	1147.1	1147.1	1147.2	1147.4	1147.6	1147.8	1148.0	1148.2	1148.4	1148.7	1148.9
150°	1174.8	1174.6	1174.8	1175.2	1175.7	1176.1	1176.5	1176.9	1177.4	1177.8	1178.3
152.5°	1200.7	1200.1	1200.3	1200.8	1201.2	1201.7	1202.1	1202.5	1203.0	1203.4	1203.9
155°	1223.4	1222.7	1222.9	1223.4	1223.8	1224.3	1224.7	1225.4	1226.0	1226.7	1227.4
157.5°	1244.7	1244.4	1244.4	1244.4	1244.4	1244.4	1244.4	1245.0	1245.7	1246.3	1247.0
160°	1261.8	1261.1	1261.2	1261.4	1261.7	1261.9	1262.1	1263.0	1263.8	1264.7	1265.6
162.5°	1277.5	1276.8	1276.9	1277.1	1277.4	1277.6	1277.8	1279.1	1280.4	1281.7	1283.0
165°	1291.3	1290.6	1290.7	1290.9	1291.1	1291.3	1291.5	1292.8	1294.1	1295.4	1296.7
167.5°	1302.1	1301.4	1301.5	1301.7	1302.0	1302.2	1302.4	1303.9	1305.4	1306.9	1308.4
170°	1310.0	1309.2	1309.3	1309.5	1309.8	1310.0	1310.2	1312.0	1313.7	1315.5	1317.2
172.5°	1315.9	1315.1	1315.3	1315.8	1316.2	1316.7	1317.1	1318.6	1320.2	1321.7	1323.2
175°	1320.7	1320.1	1320.2	1320.4	1320.6	1320.8	1321.0	1322.8	1324.5	1326.3	1328.0
177.5°	1323.7	1323.0	1323.1	1323.3	1323.6	1323.8	1324.0	1325.5	1327.1	1328.6	1330.1
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	515.9	516.8	514.6	513.7	511.9	514.1	514.6	514.1	518.2	516.4	517.3
5°	485.9	484.2	482.8	479.7	479.7	480.1	481.5	479.2	480.6	483.7	483.3
7.5°	452.8	451.9	452.4	448.8	446.1	447.0	446.1	450.1	452.4	451.5	453.3
10°	422.8	424.6	420.6	418.8	417.0	418.8	418.4	419.3	422.0	423.7	426.9
12.5°	398.7	398.2	396.0	394.2	391.1	392.0	394.7	393.8	394.2	398.2	397.8
15°	375.9	373.2	371.4	367.4	368.3	365.1	367.8	370.9	372.3	375.9	378.1
17.5°	353.0	352.6	350.4	349.9	345.0	343.6	346.3	347.2	348.6	350.4	353.5
20°	333.8	333.4	330.2	329.3	325.3	328.0	327.1	328.9	329.8	333.4	334.7
22.5°	316.4	314.1	313.2	311.9	310.5	310.1	311.9	311.4	314.6	315.9	316.4
25°	300.2	298.5	298.0	295.8	294.9	293.5	294.9	296.2	299.8	301.1	302.9
27.5°	285.5	284.1	283.2	281.5	280.1	280.1	281.0	282.8	284.1	285.0	285.9
30°	272.1	271.2	268.5	267.6	266.2	266.2	266.2	267.1	269.4	272.1	273.4
32.5°	258.2	256.4	254.6	254.6	253.3	253.3	253.7	254.6	256.8	257.3	259.5
35°	244.8	243.0	241.6	240.7	241.2	239.4	240.3	241.6	244.3	245.2	246.6
37.5°	231.8	231.3	228.7	227.3	228.2	228.2	227.8	228.7	230.4	232.2	233.1
40°	217.5	216.6	216.6	215.2	215.7	213.9	215.2	216.1	217.0	218.8	220.2
42.5°	204.9	204.0	202.3	202.7	201.4	201.4	202.3	202.7	204.0	206.3	207.2
45°	191.5	191.5	190.6	189.3	189.7	188.4	189.3	189.7	191.5	193.8	192.9
47.5°	178.5	178.1	178.1	176.3	177.2	175.9	177.2	177.6	178.5	179.9	179.4
50°	166.0	164.7	165.1	164.7	164.2	164.2	165.1	165.1	166.0	166.0	167.4
52.5°	153.0	153.0	152.1	152.6	153.5	152.6	153.9	152.6	153.5	153.9	154.8
55°	141.4	140.5	140.9	140.5	142.3	140.9	142.3	141.4	142.3	141.8	142.7
57.5°	128.9	127.5	128.0	127.5	128.9	128.4	129.8	128.4	128.9	129.3	130.7
60°	114.5	114.5	114.5	113.7	115.0	115.0	114.5	114.5	116.3	117.2	116.8
62.5°	101.1	100.7	99.3	98.9	99.3	98.4	100.2	99.8	100.7	101.6	102.5
65°	86.4	85.5	85.0	84.1	84.1	83.7	84.1	85.9	86.4	86.8	89.0
67.5°	74.3	73.8	73.4	72.0	72.0	72.9	72.9	72.9	75.6	74.3	76.1
70°	63.5	62.6	61.7	61.3	61.3	61.7	62.2	62.6	62.2	64.0	64.4
72.5°	53.2	53.7	52.8	52.8	52.8	52.4	52.4	53.2	53.7	53.2	53.7
75°	44.3	44.3	43.9	44.3	44.3	43.9	43.9	44.7	44.7	44.3	45.6
77.5°	35.8	35.3	34.5	33.6	34.0	33.6	34.0	33.6	34.9	36.2	35.3
80°	25.1	24.6	24.6	24.6	25.1	24.6	25.5	24.6	25.1	25.1	25.5
82.5°	17.9	18.3	18.3	17.9	18.3	17.9	18.3	18.3	18.3	17.9	18.3
85°	11.6	11.6	11.6	11.6	11.2	11.6	11.6	11.6	12.1	11.6	12.1
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.4	4.9	5.4
90°	20.6	20.9	21.6	22.3	22.9	23.6	22.9	22.3	21.6	20.9	20.6
92.5°	20.6	20.7	20.9	21.2	21.4	21.6	21.4	21.2	20.9	20.7	20.6
95°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
97.5°	19.7	19.8	20.0	20.2	20.4	20.6	20.4	20.2	20.0	19.8	19.7
100°	24.6	24.2	23.3	22.4	21.5	20.6	21.5	22.4	23.3	24.2	24.6
102.5°	232.0	222.8	204.5	186.1	167.8	149.4	167.8	186.1	204.5	222.8	232.0
105°	292.9	292.8	292.6	292.3	292.1	291.9	292.1	292.3	292.6	292.8	292.9
107.5°	358.8	358.4	357.5	356.6	355.7	354.8	355.7	356.6	357.5	358.4	358.8
110°	419.7	419.8	420.0	420.3	420.5	420.7	420.5	420.3	420.0	419.8	419.7

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	481.6	481.4	481.0	480.5	480.1	479.7	480.1	480.5	481.0	481.4	481.6
115°	544.5	543.8	542.5	541.2	539.9	538.6	539.9	541.2	542.5	543.8	544.5
117.5°	604.5	604.3	603.8	603.4	602.9	602.5	602.9	603.4	603.8	604.3	604.5
120°	665.4	664.9	663.8	662.7	661.6	660.5	661.6	662.7	663.8	664.9	665.4
122.5°	721.5	720.8	719.5	718.2	716.9	715.6	716.9	718.2	719.5	720.8	721.5
125°	774.5	774.2	773.5	772.9	772.2	771.6	772.2	772.9	773.5	774.2	774.5
127.5°	825.6	824.7	823.0	821.3	819.5	817.8	819.5	821.3	823.0	824.7	825.6
130°	873.8	873.3	872.2	871.1	870.0	868.9	870.0	871.1	872.2	873.3	873.8
132.5°	921.0	920.5	919.4	918.3	917.2	916.1	917.2	918.3	919.4	920.5	921.0
135°	964.2	963.5	962.2	960.9	959.6	958.3	959.6	960.9	962.2	963.5	964.2
137.5°	1007.5	1007.0	1005.9	1004.8	1003.7	1002.6	1003.7	1004.8	1005.9	1007.0	1007.5
140°	1046.8	1046.1	1044.8	1043.5	1042.2	1040.9	1042.2	1043.5	1044.8	1046.1	1046.8
142.5°	1083.2	1082.5	1081.2	1079.9	1078.6	1077.3	1078.6	1079.9	1081.2	1082.5	1083.2
145°	1118.6	1117.9	1116.6	1115.3	1114.0	1112.7	1114.0	1115.3	1116.6	1117.9	1118.6
147.5°	1149.0	1148.2	1146.7	1145.2	1143.6	1142.1	1143.6	1145.2	1146.7	1148.2	1149.0
150°	1178.5	1177.6	1175.9	1174.1	1172.4	1170.6	1172.4	1174.1	1175.9	1177.6	1178.5
152.5°	1204.1	1203.3	1201.8	1200.3	1198.7	1197.2	1198.7	1200.3	1201.8	1203.3	1204.1
155°	1227.7	1226.8	1225.1	1223.3	1221.6	1219.8	1221.6	1223.3	1225.1	1226.8	1227.7
157.5°	1247.3	1246.4	1244.7	1243.0	1241.2	1239.5	1241.2	1243.0	1244.7	1246.4	1247.3
160°	1266.0	1265.1	1263.4	1261.6	1259.9	1258.1	1259.9	1261.6	1263.4	1265.1	1266.0
162.5°	1283.7	1282.7	1280.7	1278.8	1276.8	1274.8	1276.8	1278.8	1280.7	1282.7	1283.7
165°	1297.4	1296.5	1294.8	1293.1	1291.3	1289.6	1291.3	1293.1	1294.8	1296.5	1297.4
167.5°	1309.2	1308.2	1306.3	1304.3	1302.4	1300.4	1302.4	1304.3	1306.3	1308.2	1309.2
170°	1318.1	1317.1	1315.1	1313.2	1311.2	1309.2	1311.2	1313.2	1315.1	1317.1	1318.1
172.5°	1324.0	1323.0	1321.0	1319.1	1317.1	1315.1	1317.1	1319.1	1321.0	1323.0	1324.0
175°	1328.9	1327.9	1326.0	1324.0	1322.1	1320.1	1322.1	1324.0	1326.0	1327.9	1328.9
177.5°	1330.9	1330.0	1328.3	1326.5	1324.8	1323.0	1324.8	1326.5	1328.3	1330.0	1330.9
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0	545.0
2.5°	515.5	517.7	515.9	514.6	518.2	519.9	519.9	523.1	526.2	528.9	529.3
5°	483.7	487.3	488.2	487.7	493.1	495.8	501.6	504.7	509.2	512.3	515.9
7.5°	454.6	459.5	460.0	460.9	468.9	473.4	478.3	486.4	492.7	497.1	501.2
10°	425.5	428.7	431.8	435.8	443.9	451.5	458.6	467.1	475.2	479.7	485.5
12.5°	403.6	405.8	409.4	412.1	420.6	427.3	436.7	448.4	460.0	463.6	470.7
15°	380.8	382.1	389.3	392.0	399.1	410.3	416.1	427.3	439.9	446.6	454.6
17.5°	354.4	362.4	366.9	370.0	379.0	387.9	397.3	409.0	425.1	431.4	437.2
20°	335.6	341.4	346.3	350.4	358.4	371.8	380.3	389.7	405.0	412.1	420.6
22.5°	319.0	324.0	328.4	332.9	338.3	350.4	360.2	373.2	388.4	395.1	405.0
25°	303.4	308.3	311.0	316.4	323.5	332.0	343.6	355.3	370.5	378.1	387.5
27.5°	288.2	293.1	298.0	302.5	307.4	315.5	323.5	338.3	353.9	362.9	370.9
30°	275.2	277.4	281.9	286.8	291.7	299.4	308.7	319.0	336.9	345.0	354.8
32.5°	260.9	264.9	268.0	271.6	277.9	284.1	292.6	305.6	319.9	327.5	338.3
35°	247.4	251.0	253.3	259.5	263.6	270.3	278.8	290.4	302.5	311.0	320.4
37.5°	234.5	238.0	240.7	244.3	249.7	255.5	264.4	273.0	287.3	294.4	305.2
40°	221.0	224.2	227.3	231.3	236.3	243.4	248.8	259.5	271.2	279.2	287.3
42.5°	208.1	209.9	213.4	217.9	222.8	229.1	236.7	245.2	256.8	264.0	271.2
45°	194.2	197.3	201.4	204.5	209.0	215.2	221.9	229.5	241.2	248.3	255.9
47.5°	181.2	183.5	186.1	191.1	196.9	201.4	208.5	215.7	226.4	233.1	240.3
50°	167.8	170.0	174.1	177.2	181.7	187.5	194.2	201.8	212.1	216.6	223.7
52.5°	155.3	156.2	160.2	163.3	167.8	174.5	179.9	186.6	196.4	201.4	208.5
55°	142.7	143.6	145.9	149.0	153.9	159.3	165.1	172.7	181.2	185.7	192.4
57.5°	129.8	130.7	132.9	135.1	140.1	145.0	151.7	158.0	166.5	170.5	176.7
60°	116.8	116.8	119.0	122.2	125.7	130.2	136.0	143.6	149.9	154.8	159.3
62.5°	102.9	104.3	105.6	107.8	111.9	117.2	122.2	127.5	135.1	138.7	142.7
65°	89.0	90.4	93.1	95.3	98.4	102.0	108.3	112.8	118.6	122.6	126.2
67.5°	77.0	78.3	80.1	82.8	85.0	89.0	93.5	98.0	104.3	106.9	109.6
70°	64.4	65.8	67.1	70.7	72.9	76.1	79.2	83.7	89.0	90.8	93.1
72.5°	54.6	55.0	56.8	57.7	60.9	63.5	67.1	69.8	73.8	76.1	77.9
75°	46.1	46.1	46.5	47.4	49.2	51.0	53.7	56.4	60.0	61.3	63.5
77.5°	36.2	37.6	37.1	38.0	38.9	39.8	42.1	43.9	47.4	48.3	49.2
80°	26.0	26.4	27.7	29.1	29.1	30.4	31.8	32.2	34.5	35.8	35.8
82.5°	18.8	19.2	18.8	19.2	19.7	20.1	21.5	23.3	23.3	23.7	24.6
85°	11.6	11.6	12.1	12.5	12.5	12.1	13.0	12.5	13.0	13.9	13.9
87.5°	5.8	5.4	5.4	5.4	5.4	5.4	5.8	5.4	5.8	5.8	5.8
90°	20.1	19.0	17.9	16.8	15.7	14.2	12.6	11.1	9.6	8.8	7.9
92.5°	20.1	19.0	17.9	16.8	15.7	14.4	13.1	11.8	10.5	9.8	10.8
95°	20.1	19.0	17.9	16.8	15.7	24.0	32.3	40.6	48.9	53.1	53.4
97.5°	19.5	19.0	18.6	18.1	17.7	38.5	59.2	80.0	100.7	111.1	110.4
100°	40.9	73.4	105.9	138.5	171.0	170.1	169.3	168.4	167.5	167.1	166.8
102.5°	231.8	231.3	230.9	230.4	230.0	229.6	229.1	228.7	228.2	228.0	227.6
105°	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.9	292.5
107.5°	358.7	358.5	358.2	358.0	357.8	357.4	356.9	356.5	356.0	355.8	355.8
110°	420.0	420.7	421.4	422.0	422.7	422.3	421.8	421.4	420.9	420.7	420.7

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	482.0	482.9	483.8	484.7	485.6	485.4	485.2	484.9	484.7	484.6	484.3
115°	544.9	545.8	546.7	547.6	548.5	548.3	548.1	547.8	547.6	547.5	547.0
117.5°	605.2	606.5	607.8	609.1	610.4	609.5	608.7	607.8	606.9	606.5	606.5
120°	665.6	666.1	666.5	667.0	667.4	666.7	666.1	665.4	664.7	664.4	664.5
122.5°	721.7	722.1	722.6	723.0	723.4	723.2	723.0	722.7	722.5	722.4	721.9
125°	774.9	775.8	776.7	777.6	778.5	778.5	778.5	778.5	778.5	778.5	777.7
127.5°	825.8	826.3	826.7	827.2	827.6	827.8	828.0	828.3	828.5	828.6	828.1
130°	874.1	874.8	875.5	876.1	876.8	876.6	876.4	876.1	875.9	875.8	875.3
132.5°	921.0	921.0	921.0	921.0	921.0	921.6	922.3	922.9	923.6	923.9	923.2
135°	964.4	964.9	965.3	965.8	966.2	966.6	967.1	967.5	968.0	968.2	967.5
137.5°	1007.5	1007.5	1007.5	1007.5	1007.5	1007.9	1008.4	1008.8	1009.3	1009.5	1008.8
140°	1046.6	1046.1	1045.7	1045.2	1044.8	1045.0	1045.2	1045.5	1045.7	1045.8	1045.6
142.5°	1083.2	1083.2	1083.2	1083.2	1083.2	1082.8	1082.3	1081.9	1081.4	1081.2	1081.1
145°	1118.5	1118.3	1118.0	1117.8	1117.6	1117.6	1117.6	1117.6	1117.6	1117.6	1117.4
147.5°	1148.9	1148.7	1148.4	1148.2	1148.0	1147.8	1147.6	1147.4	1147.2	1147.1	1147.1
150°	1178.3	1177.8	1177.4	1176.9	1176.5	1176.1	1175.7	1175.2	1174.8	1174.6	1174.8
152.5°	1203.9	1203.4	1203.0	1202.5	1202.1	1201.7	1201.2	1200.8	1200.3	1200.1	1200.7
155°	1227.4	1226.7	1226.0	1225.4	1224.7	1224.3	1223.8	1223.4	1222.9	1222.7	1223.4
157.5°	1247.0	1246.3	1245.7	1245.0	1244.4	1244.4	1244.4	1244.4	1244.4	1244.4	1244.7
160°	1265.6	1264.7	1263.8	1263.0	1262.1	1261.9	1261.7	1261.4	1261.2	1261.1	1261.8
162.5°	1283.0	1281.7	1280.4	1279.1	1277.8	1277.6	1277.4	1277.1	1276.9	1276.8	1277.5
165°	1296.7	1295.4	1294.1	1292.8	1291.5	1291.3	1291.1	1290.9	1290.7	1290.6	1291.3
167.5°	1308.4	1306.9	1305.4	1303.9	1302.4	1302.2	1302.0	1301.7	1301.5	1301.4	1302.1
170°	1317.2	1315.5	1313.7	1312.0	1310.2	1310.0	1309.8	1309.5	1309.3	1309.2	1310.0
172.5°	1323.2	1321.7	1320.2	1318.6	1317.1	1316.7	1316.2	1315.8	1315.3	1315.1	1315.9
175°	1328.0	1326.3	1324.5	1322.8	1321.0	1320.8	1320.6	1320.4	1320.2	1320.1	1320.7
177.5°	1330.1	1328.6	1327.1	1325.5	1324.0	1323.8	1323.6	1323.3	1323.1	1323.0	1323.7
180°	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9	1325.9

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	545.0	545.0	545.0	545.0
2.5°	532.5	536.5	540.5	545.5
5°	521.7	528.9	536.5	543.7
7.5°	510.1	520.4	530.2	540.5
10°	497.1	510.1	521.3	535.6
12.5°	482.8	496.7	512.3	528.5
15°	468.5	485.9	502.5	520.8
17.5°	455.1	471.6	490.0	511.9
20°	439.0	457.3	477.9	501.2
22.5°	422.0	442.1	464.5	489.5
25°	407.6	428.2	449.7	476.1
27.5°	392.0	413.5	434.5	462.7
30°	374.1	397.3	418.8	447.9
32.5°	357.1	380.3	404.1	431.4
35°	340.5	363.3	387.1	414.8
37.5°	324.9	345.4	368.7	393.8
40°	310.1	328.9	349.5	372.3
42.5°	291.3	313.2	332.5	349.0
45°	275.2	293.1	311.0	324.4
47.5°	256.4	274.3	289.5	300.2
50°	240.7	255.1	267.6	277.0
52.5°	221.9	235.4	245.7	252.8
55°	203.6	215.2	224.2	229.1
57.5°	187.0	194.6	201.4	205.8
60°	168.7	174.5	180.3	185.2
62.5°	149.0	155.3	158.4	163.8
65°	131.6	135.6	140.5	142.3
67.5°	114.5	116.8	119.9	123.5
70°	96.7	98.0	101.1	106.0
72.5°	81.0	82.3	84.6	86.4
75°	64.4	65.8	67.6	69.4
77.5°	50.6	51.0	51.9	53.7
80°	36.7	38.0	38.9	39.4
82.5°	25.5	26.0	26.0	26.4
85°	16.1	15.2	15.2	15.7
87.5°	5.8	6.7	6.7	7.6
90°	6.2	4.5	2.7	1.0
92.5°	12.8	14.7	16.7	18.7
95°	54.1	54.7	55.4	56.0
97.5°	109.1	107.8	106.5	105.2
100°	166.1	165.4	164.8	164.1
102.5°	226.7	225.8	225.0	224.1
105°	291.6	290.7	289.9	289.0
107.5°	355.8	355.8	355.8	355.8
110°	420.7	420.7	420.7	420.7

TEST NUMBER: P1027157

CATALOG NUMBER: S125RDIP-B375D1090UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	483.6	482.9	482.3	481.6
115°	545.9	544.8	543.7	542.6
117.5°	606.5	606.5	606.5	606.5
120°	664.7	665.0	665.2	665.4
122.5°	720.8	719.7	718.6	717.5
125°	776.2	774.7	773.1	771.6
127.5°	827.0	825.9	824.8	823.7
130°	874.2	873.1	872.0	870.9
132.5°	921.9	920.6	919.3	918.0
135°	966.2	964.9	963.6	962.3
137.5°	1007.5	1006.2	1004.9	1003.6
140°	1045.2	1044.7	1044.3	1043.9
142.5°	1080.9	1080.6	1080.4	1080.2
145°	1116.9	1116.5	1116.0	1115.6
147.5°	1147.1	1147.1	1147.1	1147.1
150°	1175.2	1175.7	1176.1	1176.5
152.5°	1201.8	1202.9	1204.0	1205.1
155°	1224.7	1226.0	1227.3	1228.6
157.5°	1245.4	1246.0	1246.7	1247.3
160°	1263.1	1264.4	1265.7	1267.0
162.5°	1278.8	1280.1	1281.4	1282.7
165°	1292.6	1293.9	1295.2	1296.5
167.5°	1303.4	1304.7	1306.0	1307.3
170°	1311.5	1313.0	1314.6	1316.1
172.5°	1317.4	1318.9	1320.5	1322.0
175°	1322.0	1323.3	1324.6	1325.9
177.5°	1325.0	1326.3	1327.6	1328.9
180°	1325.9	1325.9	1325.9	1325.9

(END OF REPORT)