

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: P1027237

Luminaire Tested: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027237
REPORT IS A COMBINATION OF REPORTS P1005648 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B610D610UB2750-4F0-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

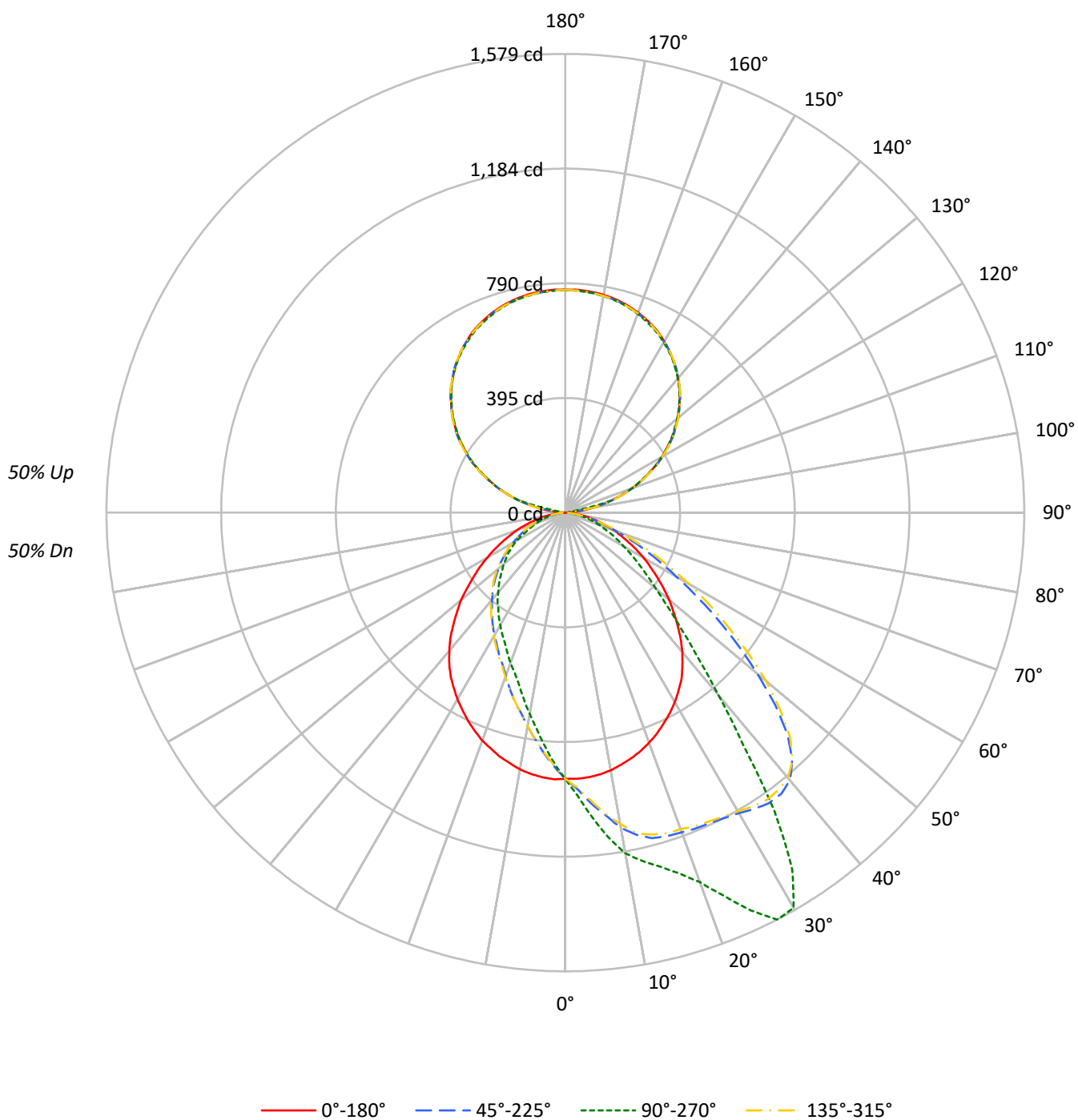
Lumens per Lamp: N/A
Luminaire Lumens: 4731.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	50	49	48
2	90	83	77	72	83	77	71	67	65	61	58	55	52	50	45	43	41
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	40	38	36
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	33	31
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5871	5871	5871	5871
5°	5866	6617	5866	5086
10°	5833	7436	5813	4397
15°	5770	7866	5730	3828
20°	5693	8492	5643	3460
25°	5594	9613	5530	3140
30°	5492	10217	5410	2911
35°	5361	8403	5286	2698
40°	5127	5706	5085	2507
45°	4821	4102	4815	2318
50°	4508	3155	4529	2144
55°	4155	2565	4146	1976
60°	3826	2102	3808	1754
65°	3442	1751	3463	1412
70°	3125	1405	3111	1176
75°	2640	1066	2640	966
80°	2139	650	2117	650
85°	1504	342	1464	387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.9
10°-20°	257.6	5.4
20°-30°	408.5	8.6
30°-40°	493.6	10.4
40°-50°	439.4	9.3
50°-60°	337.0	7.1
60°-70°	218.9	4.6
70°-80°	106.2	2.2
80°-90°	26.1	0.6
90°-100°	26.0	0.5
100°-110°	173.1	3.7
110°-120°	311.7	6.6
120°-130°	400.1	8.5
130°-140°	430.3	9.1
140°-150°	403.9	8.5
150°-160°	326.7	6.9
160°-170°	211.3	4.5
170°-180°	72.9	1.5
0°-30°	754.0	15.9
0°-40°	1247.5	26.4
0°-60°	2024.0	42.8
0°-90°	2375.1	50.2
90°-120°	510.8	10.8
90°-150°	1745.0	36.9
90°-180°	2356.0	49.8
0°-180°	4731.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	916	916	916	916	916	
5°	914	1050	914	807	914	87
15°	876	1262	870	614	876	247
25°	800	1511	791	494	800	369
35°	697	1253	688	402	697	434
45°	545	560	545	317	545	421
55°	385	308	384	237	385	345
65°	239	174	241	141	239	239
75°	117	81	117	74	117	125
85°	26	17	26	20	26	30
90°	1	14	1	14	1	3
95°	32	12	32	12	32	40
105°	167	169	167	169	167	177
115°	314	312	314	312	314	311
125°	446	446	446	446	446	399
135°	557	554	557	554	557	429
145°	645	644	645	644	645	404
155°	711	706	711	706	711	327
165°	750	746	750	746	750	212
175°	767	764	767	764	767	73
180°	767	767	767	767	767	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	917.1	924.6	926.9	932.9	939.6	941.1	944.9	950.2	953.2	952.4	952.4
5°	914.1	926.9	935.9	946.4	959.2	964.5	969.0	980.3	989.3	994.6	1003.6
7.5°	908.8	927.6	942.7	958.5	978.0	987.0	996.8	1012.6	1029.2	1039.7	1049.5
10°	900.5	924.6	945.7	969.0	995.3	1008.9	1020.9	1045.0	1065.3	1078.8	1101.4
12.5°	888.5	918.6	947.9	978.8	1011.9	1026.2	1042.7	1069.0	1097.6	1117.2	1136.0
15°	875.7	911.8	943.4	980.3	1020.1	1042.0	1063.0	1090.9	1116.4	1138.3	1160.1
17.5°	860.6	899.0	938.1	980.3	1025.4	1047.2	1065.3	1098.4	1125.5	1147.3	1166.8
20°	842.6	885.5	929.9	976.5	1022.4	1042.7	1060.0	1096.1	1120.2	1143.5	1171.4
22.5°	823.0	869.7	917.1	963.0	1008.1	1029.9	1050.2	1081.8	1108.2	1139.8	1175.9
25°	800.5	851.6	899.8	945.7	988.5	1008.9	1026.9	1061.5	1098.4	1138.3	1178.9
27.5°	777.9	827.5	874.2	916.3	963.0	981.8	999.8	1043.5	1087.1	1129.2	1184.9
30°	753.1	803.5	844.1	883.2	928.4	947.9	970.5	1020.1	1069.8	1127.0	1194.7
32.5°	725.2	771.1	808.7	849.4	890.0	914.1	942.7	996.8	1054.0	1122.5	1209.0
35°	697.4	734.3	768.9	807.2	856.1	881.7	909.6	966.7	1038.2	1120.2	1221.0
37.5°	662.0	697.4	724.5	763.6	814.0	844.1	871.9	938.1	1019.4	1114.9	1220.3
40°	625.9	656.0	681.6	722.2	777.1	805.0	835.1	907.3	999.8	1099.9	1202.2
42.5°	586.8	612.4	640.2	679.3	732.8	759.8	794.4	878.7	972.7	1078.8	1155.6
45°	545.4	570.3	593.6	634.2	687.6	717.0	754.6	841.1	939.6	1034.4	1080.3
47.5°	504.8	526.6	551.4	586.8	641.0	673.3	711.7	804.2	895.3	975.0	978.8
50°	465.7	483.0	504.1	540.2	596.6	627.4	667.3	753.8	842.6	897.5	860.6
52.5°	425.1	440.9	462.7	494.3	546.9	583.0	617.7	704.2	778.6	815.5	747.8
55°	385.2	398.7	421.3	456.7	502.5	530.4	565.7	646.2	711.7	712.4	638.7
57.5°	346.1	358.1	376.9	408.5	451.4	483.7	516.1	586.1	630.4	617.7	535.6
60°	311.5	319.0	336.3	367.1	407.0	430.3	464.9	523.6	553.0	529.6	441.6
62.5°	275.3	282.9	296.4	321.2	358.9	383.7	405.5	453.6	474.0	438.6	366.4
65°	239.2	248.3	258.0	277.6	313.0	329.5	349.1	384.4	404.0	362.6	300.2
67.5°	207.6	212.2	221.9	242.2	267.1	282.1	295.7	319.7	323.5	290.4	239.2
70°	178.3	179.8	188.8	200.9	219.7	228.7	240.0	254.3	254.3	227.2	186.6
72.5°	145.2	147.5	154.2	167.0	178.3	182.8	186.6	195.6	194.1	169.3	141.4
75°	116.6	118.1	123.4	129.4	133.9	142.2	145.2	143.7	142.9	121.9	106.1
77.5°	90.3	91.0	94.8	100.1	100.8	103.8	101.6	101.6	94.8	82.8	74.5
80°	66.2	67.0	68.5	70.0	70.0	70.0	70.0	66.2	61.7	54.2	51.9
82.5°	44.4	44.4	45.1	46.6	45.9	44.4	42.9	39.1	36.1	33.9	32.3
85°	26.3	26.3	27.1	26.3	23.3	22.6	21.1	20.3	19.6	18.8	18.8
87.5°	12.8	12.0	10.5	9.0	9.0	9.0	9.0	9.0	9.0	8.3	8.3
90°	0.6	1.6	2.6	3.6	4.6	5.1	5.5	6.4	7.3	8.2	9.1
92.5°	10.8	9.7	8.5	7.4	6.3	5.7	6.1	6.8	7.6	8.3	9.1
95°	32.4	32.0	31.6	31.3	30.9	30.7	28.3	23.5	18.7	13.9	9.1
97.5°	60.8	61.6	62.3	63.1	63.8	64.2	58.2	46.2	34.2	22.2	10.2
100°	94.9	95.3	95.7	96.0	96.4	96.6	96.9	97.4	97.9	98.4	98.9
102.5°	129.6	130.1	130.6	131.1	131.6	131.9	132.0	132.3	132.5	132.8	133.0
105°	167.1	167.6	168.1	168.6	169.1	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	205.8	205.8	205.8	205.8	205.8	205.8	205.9	206.2	206.4	206.7	206.9
110°	243.3	243.3	243.3	243.3	243.3	243.3	243.4	243.7	244.0	244.2	244.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	278.6	279.0	279.4	279.7	280.1	280.3	280.4	280.5	280.6	280.7	280.8
115°	313.8	314.4	315.1	315.7	316.4	316.7	316.8	316.9	317.0	317.1	317.2
117.5°	350.8	350.8	350.8	350.8	350.8	350.8	351.1	351.6	352.1	352.6	353.1
120°	384.9	384.8	384.6	384.5	384.4	384.3	384.5	384.9	385.2	385.6	386.0
122.5°	415.0	415.6	416.3	416.9	417.6	417.9	418.0	418.1	418.2	418.3	418.4
125°	446.3	447.2	448.1	449.0	449.9	450.3	450.3	450.3	450.3	450.3	450.3
127.5°	476.4	477.0	477.7	478.3	479.0	479.3	479.2	479.1	479.0	478.8	478.7
130°	503.7	504.3	505.0	505.6	506.3	506.6	506.7	506.8	506.9	507.0	507.1
132.5°	531.0	531.8	532.5	533.3	534.0	534.4	534.2	533.8	533.5	533.1	532.7
135°	556.6	557.4	558.1	558.9	559.6	560.0	559.9	559.6	559.4	559.1	558.9
137.5°	580.5	581.3	582.0	582.8	583.5	583.9	583.8	583.5	583.2	583.0	582.7
140°	603.8	604.0	604.3	604.5	604.8	604.9	604.8	604.7	604.6	604.4	604.3
142.5°	624.8	624.9	625.1	625.2	625.3	625.4	625.5	625.8	626.0	626.3	626.5
145°	645.3	645.5	645.8	646.0	646.3	646.4	646.4	646.4	646.4	646.4	646.4
147.5°	663.5	663.5	663.5	663.5	663.5	663.5	663.6	663.7	663.8	663.9	664.0
150°	680.5	680.3	680.0	679.8	679.5	679.4	679.5	679.8	680.0	680.3	680.5
152.5°	697.0	696.4	695.8	695.1	694.5	694.2	694.3	694.6	694.8	695.1	695.3
155°	710.7	709.9	709.1	708.4	707.6	707.2	707.3	707.6	707.9	708.1	708.4
157.5°	721.5	721.1	720.7	720.3	719.9	719.7	719.7	719.7	719.7	719.7	719.7
160°	732.8	732.0	731.3	730.5	729.8	729.4	729.5	729.6	729.7	729.9	730.0
162.5°	741.9	741.1	740.4	739.6	738.9	738.5	738.6	738.7	738.8	739.0	739.1
165°	749.9	749.1	748.4	747.6	746.9	746.5	746.6	746.7	746.8	746.9	747.0
167.5°	756.1	755.3	754.6	753.8	753.1	752.7	752.8	752.9	753.0	753.2	753.3
170°	761.2	760.3	759.5	758.6	757.7	757.3	757.4	757.5	757.6	757.7	757.8
172.5°	764.7	763.8	762.9	762.0	761.1	760.7	760.8	761.1	761.3	761.6	761.8
175°	766.9	766.1	765.4	764.6	763.9	763.5	763.6	763.7	763.8	764.0	764.1
177.5°	768.6	767.8	767.1	766.3	765.6	765.2	765.3	765.4	765.5	765.7	765.8
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	956.2	961.5	966.0	963.7	972.7	972.0	973.5	976.5	977.3	975.8	972.7
5°	1008.1	1015.6	1028.4	1035.2	1033.7	1039.7	1042.7	1047.2	1051.7	1050.2	1050.2
7.5°	1066.0	1076.6	1089.4	1106.7	1108.9	1114.2	1123.2	1123.2	1128.5	1126.2	1125.5
10°	1116.4	1129.2	1149.5	1163.1	1169.1	1172.1	1181.1	1184.1	1190.2	1190.9	1190.9
12.5°	1157.8	1180.4	1193.9	1207.5	1210.5	1215.0	1221.8	1226.3	1228.5	1228.5	1226.3
15°	1179.6	1197.7	1213.5	1227.8	1236.1	1239.8	1246.6	1251.9	1254.9	1261.6	1263.1
17.5°	1188.7	1210.5	1236.1	1256.4	1270.7	1274.4	1288.0	1292.5	1298.5	1301.5	1305.3
20°	1201.4	1233.0	1263.9	1288.7	1302.3	1312.0	1326.3	1347.4	1353.4	1353.4	1351.2
22.5°	1212.7	1253.4	1295.5	1335.4	1346.6	1366.2	1392.5	1415.1	1424.1	1427.9	1424.9
25°	1226.3	1281.9	1336.9	1386.5	1417.4	1431.7	1467.0	1494.1	1504.6	1510.7	1512.2
27.5°	1249.6	1319.6	1389.5	1452.7	1484.3	1500.9	1537.7	1561.1	1573.8	1579.1	1575.4
30°	1275.9	1361.7	1442.9	1499.4	1520.4	1540.7	1564.8	1573.8	1570.8	1570.8	1582.1
32.5°	1303.0	1391.8	1464.0	1500.9	1508.4	1505.4	1495.6	1468.5	1452.7	1452.7	1462.5
35°	1318.1	1394.8	1431.7	1419.6	1390.3	1373.0	1319.6	1289.5	1255.6	1253.4	1264.6
37.5°	1309.8	1342.9	1327.8	1248.8	1209.0	1175.9	1092.4	1059.3	1034.4	999.8	1053.2
40°	1251.9	1240.6	1162.3	1048.7	1004.3	957.7	891.5	858.4	823.8	818.5	831.3
42.5°	1154.1	1087.1	972.7	862.9	817.8	784.7	734.3	701.9	680.1	671.1	686.1
45°	1032.2	926.9	812.5	725.2	675.6	658.3	612.4	583.8	567.2	560.5	571.0
47.5°	883.2	777.1	668.8	595.1	565.7	548.4	517.6	492.8	478.5	474.0	478.5
50°	750.1	641.0	549.9	502.5	476.2	461.9	436.3	420.5	409.3	406.3	413.8
52.5°	635.0	535.6	466.4	424.3	407.0	395.0	376.9	363.4	356.6	353.6	358.9
55°	531.9	451.4	395.7	359.6	346.8	339.3	323.5	316.0	308.4	307.7	313.0
57.5°	440.9	385.2	334.0	308.4	304.7	293.4	279.9	273.1	269.3	268.6	270.8
60°	367.1	317.5	286.6	264.1	258.8	249.8	242.2	237.7	233.2	231.7	233.2
62.5°	305.4	266.3	241.5	226.4	218.9	216.7	208.4	203.1	202.4	202.4	203.9
65°	252.0	218.9	203.1	191.1	185.8	183.6	177.5	173.8	174.5	174.5	175.3
67.5°	205.4	181.3	167.0	161.0	156.5	155.7	149.7	148.2	146.7	146.7	148.2
70°	163.3	148.2	137.7	134.7	133.9	128.6	126.4	125.6	123.4	124.1	124.1
72.5°	127.9	118.1	112.1	107.6	108.3	105.3	102.3	102.3	100.8	103.1	103.1
75°	94.8	90.3	85.8	84.3	85.8	84.3	82.0	81.3	82.0	81.3	81.3
77.5°	70.0	67.7	66.2	65.5	65.5	62.4	60.9	62.4	59.4	60.9	60.9
80°	48.9	45.9	45.1	43.6	44.4	42.1	42.9	41.4	41.4	41.4	41.4
82.5°	30.8	30.1	30.1	30.1	29.3	29.3	29.3	29.3	29.3	29.3	28.6
85°	18.8	18.1	18.1	18.1	17.3	17.3	17.3	17.3	17.3	17.3	17.3
87.5°	7.5	8.3	8.3	9.0	8.3	7.5	7.5	7.5	8.3	8.3	7.5
90°	9.7	10.3	11.0	11.6	11.9	12.1	12.5	12.8	13.2	13.6	13.2
92.5°	9.7	10.3	11.0	11.6	11.9	12.0	12.1	12.2	12.4	12.5	12.4
95°	9.7	10.3	11.0	11.6	11.9	11.9	11.9	11.9	11.9	11.9	11.9
97.5°	10.5	10.7	11.0	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.8
100°	80.1	61.3	42.4	23.6	14.2	13.9	13.4	12.9	12.4	11.9	12.4
102.5°	133.3	133.5	133.8	134.1	134.2	128.9	118.3	107.6	97.0	86.4	97.0
105°	169.4	169.4	169.4	169.4	169.4	169.3	169.2	169.1	169.0	168.9	169.0
107.5°	207.0	207.2	207.3	207.4	207.5	207.2	206.7	206.2	205.7	205.2	205.7
110°	244.1	243.7	243.4	243.0	242.8	242.9	243.0	243.1	243.2	243.3	243.2

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	280.3	279.8	279.3	278.8	278.6	278.5	278.2	277.9	277.7	277.4	277.7
115°	316.7	316.2	315.7	315.2	315.0	314.6	313.8	313.1	312.3	311.5	312.3
117.5°	352.3	351.5	350.8	350.0	349.6	349.5	349.2	349.0	348.7	348.5	348.7
120°	385.8	385.5	385.3	385.0	384.9	384.6	383.9	383.3	382.6	382.0	382.6
122.5°	418.2	417.9	417.7	417.4	417.3	416.9	416.2	415.4	414.7	413.9	414.7
125°	449.8	449.3	448.8	448.3	448.0	447.8	447.4	447.1	446.7	446.3	446.7
127.5°	478.5	478.2	478.0	477.7	477.6	477.1	476.1	475.0	474.0	473.0	474.0
130°	506.7	506.3	506.0	505.6	505.4	505.1	504.5	503.8	503.2	502.6	503.2
132.5°	532.7	532.7	532.7	532.7	532.7	532.4	531.8	531.1	530.5	529.9	530.5
135°	558.6	558.4	558.1	557.8	557.7	557.3	556.6	555.8	555.1	554.3	555.1
137.5°	582.7	582.7	582.7	582.7	582.7	582.4	581.8	581.1	580.5	579.9	580.5
140°	604.6	604.8	605.1	605.4	605.5	605.1	604.4	603.6	602.9	602.1	602.9
142.5°	626.5	626.5	626.5	626.5	626.5	626.1	625.4	624.6	623.9	623.1	623.9
145°	646.5	646.7	646.8	646.9	647.0	646.6	645.9	645.1	644.4	643.6	644.4
147.5°	664.1	664.3	664.4	664.5	664.6	664.2	663.3	662.4	661.5	660.6	661.5
150°	680.8	681.0	681.3	681.6	681.7	681.2	680.2	679.1	678.1	677.1	678.1
152.5°	695.5	695.8	696.0	696.3	696.4	696.0	695.1	694.2	693.4	692.5	693.4
155°	708.8	709.2	709.5	709.9	710.1	709.6	708.6	707.5	706.5	705.5	706.5
157.5°	720.1	720.5	720.9	721.3	721.5	721.0	720.0	718.9	717.9	716.9	717.9
160°	730.5	731.0	731.5	732.0	732.3	731.8	730.8	729.7	728.7	727.7	728.7
162.5°	739.9	740.6	741.4	742.1	742.5	741.9	740.8	739.7	738.5	737.4	738.5
165°	747.8	748.5	749.3	750.0	750.4	749.9	748.9	747.9	746.9	745.9	746.9
167.5°	754.2	755.1	756.0	756.9	757.3	756.7	755.6	754.5	753.3	752.2	753.3
170°	758.8	759.8	760.9	761.9	762.4	761.8	760.7	759.6	758.4	757.3	758.4
172.5°	762.7	763.6	764.5	765.4	765.8	765.2	764.1	763.0	761.8	760.7	761.8
175°	765.1	766.1	767.1	768.1	768.6	768.0	766.9	765.8	764.6	763.5	764.6
177.5°	766.7	767.6	768.5	769.4	769.8	769.3	768.3	767.2	766.2	765.2	766.2
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	976.5	971.2	973.5	971.2	969.0	966.7	961.5	953.9	947.9	943.4	942.7
5°	1051.7	1045.0	1040.5	1038.2	1033.7	1027.7	1017.9	1006.6	993.1	987.8	977.3
7.5°	1121.0	1118.7	1108.2	1106.7	1103.6	1092.4	1075.8	1060.8	1043.5	1029.2	1015.6
10°	1186.4	1181.1	1173.6	1163.1	1161.6	1147.3	1131.5	1110.4	1087.8	1074.3	1050.2
12.5°	1227.0	1221.0	1212.7	1206.0	1202.2	1193.2	1171.4	1150.3	1130.0	1105.2	1084.1
15°	1256.4	1248.8	1233.8	1228.5	1224.0	1212.0	1196.2	1174.4	1147.3	1130.0	1099.9
17.5°	1296.2	1287.2	1272.2	1262.4	1254.1	1235.3	1212.7	1183.4	1157.8	1138.3	1111.2
20°	1342.1	1328.6	1309.0	1296.2	1284.2	1262.4	1230.8	1196.2	1159.3	1135.2	1107.4
22.5°	1418.1	1392.5	1361.7	1343.6	1327.1	1289.5	1251.9	1209.0	1167.6	1131.5	1097.6
25°	1491.8	1466.3	1427.9	1403.1	1377.5	1333.9	1284.2	1224.8	1172.1	1130.0	1085.6
27.5°	1560.3	1534.0	1498.6	1468.5	1443.7	1378.2	1312.8	1245.8	1178.9	1121.0	1075.8
30°	1576.1	1564.8	1537.7	1511.4	1488.8	1428.6	1352.7	1267.7	1187.2	1112.7	1062.3
32.5°	1480.6	1508.4	1515.2	1511.4	1497.1	1454.2	1384.3	1294.7	1199.2	1108.9	1039.7
35°	1281.9	1332.4	1384.3	1412.1	1425.6	1431.7	1390.3	1308.3	1207.5	1102.9	1024.7
37.5°	1063.0	1111.9	1193.9	1235.3	1281.2	1341.4	1357.9	1305.3	1203.7	1098.4	1000.6
40°	873.4	935.9	1003.6	1041.2	1081.1	1189.4	1271.4	1265.4	1191.7	1081.8	981.8
42.5°	710.9	750.1	809.5	850.9	899.8	1020.9	1130.7	1184.9	1155.6	1061.5	957.7
45°	592.8	622.9	665.0	707.2	737.3	847.1	977.3	1066.0	1093.9	1025.4	920.8
47.5°	499.5	522.1	559.0	585.3	617.7	704.2	817.0	941.9	1000.6	974.2	881.7
50°	428.1	446.1	475.5	492.0	520.6	595.1	680.8	811.7	900.5	903.5	829.8
52.5°	365.6	383.7	408.5	422.8	440.1	490.5	577.0	687.6	789.9	827.5	770.4
55°	318.2	328.8	349.1	360.4	376.2	425.1	480.0	574.0	680.8	742.5	706.4
57.5°	274.6	285.9	298.7	307.7	319.0	358.1	407.8	478.5	584.5	651.5	639.5
60°	239.2	246.0	258.0	264.8	275.3	300.9	335.5	406.3	490.5	553.7	560.5
62.5°	206.1	212.2	220.4	226.4	233.2	253.5	279.1	329.5	403.2	471.7	480.7
65°	177.5	182.8	187.3	192.6	197.9	210.6	232.5	271.6	328.8	392.7	412.3
67.5°	152.0	153.5	160.2	161.0	164.0	173.8	189.6	221.2	262.6	313.7	339.3
70°	127.1	130.2	131.7	133.9	136.9	143.7	156.5	173.0	203.9	245.3	269.3
72.5°	103.1	103.8	106.1	107.6	110.6	115.9	121.9	134.7	154.2	184.3	206.1
75°	82.0	82.8	84.3	85.0	87.3	88.8	91.8	100.8	114.4	132.4	148.2
77.5°	61.7	63.2	64.7	64.7	65.5	67.0	68.5	71.5	78.2	90.3	103.8
80°	42.1	42.9	42.9	43.6	42.9	45.1	47.4	51.2	54.2	57.9	64.7
82.5°	29.3	29.3	29.3	30.1	30.1	30.8	30.8	31.6	32.3	34.6	37.6
85°	18.1	18.1	18.8	17.3	18.1	18.8	18.8	18.1	18.8	19.6	20.3
87.5°	7.5	7.5	8.3	8.3	8.3	8.3	7.5	8.3	7.5	8.3	8.3
90°	12.8	12.5	12.1	11.9	11.6	11.0	10.3	9.7	9.1	8.2	7.3
92.5°	12.2	12.1	12.0	11.9	11.6	11.0	10.3	9.7	9.1	8.3	7.6
95°	11.9	11.9	11.9	11.9	11.6	11.0	10.3	9.7	9.1	13.9	18.7
97.5°	11.7	11.6	11.5	11.4	11.3	11.0	10.7	10.5	10.2	22.2	34.2
100°	12.9	13.4	13.9	14.2	23.6	42.4	61.3	80.1	98.9	98.4	97.9
102.5°	107.6	118.3	128.9	134.2	134.1	133.8	133.5	133.3	133.0	132.8	132.5
105°	169.1	169.2	169.3	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	206.2	206.7	207.2	207.5	207.4	207.3	207.2	207.0	206.9	206.7	206.4
110°	243.1	243.0	242.9	242.8	243.0	243.4	243.7	244.1	244.5	244.2	244.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	277.9	278.2	278.5	278.6	278.8	279.3	279.8	280.3	280.8	280.7	280.6
115°	313.1	313.8	314.6	315.0	315.2	315.7	316.2	316.7	317.2	317.1	317.0
117.5°	349.0	349.2	349.5	349.6	350.0	350.8	351.5	352.3	353.1	352.6	352.1
120°	383.3	383.9	384.6	384.9	385.0	385.3	385.5	385.8	386.0	385.6	385.2
122.5°	415.4	416.2	416.9	417.3	417.4	417.7	417.9	418.2	418.4	418.3	418.2
125°	447.1	447.4	447.8	448.0	448.3	448.8	449.3	449.8	450.3	450.3	450.3
127.5°	475.0	476.1	477.1	477.6	477.7	478.0	478.2	478.5	478.7	478.8	479.0
130°	503.8	504.5	505.1	505.4	505.6	506.0	506.3	506.7	507.1	507.0	506.9
132.5°	531.1	531.8	532.4	532.7	532.7	532.7	532.7	532.7	532.7	533.1	533.5
135°	555.8	556.6	557.3	557.7	557.8	558.1	558.4	558.6	558.9	559.1	559.4
137.5°	581.1	581.8	582.4	582.7	582.7	582.7	582.7	582.7	582.7	583.0	583.2
140°	603.6	604.4	605.1	605.5	605.4	605.1	604.8	604.6	604.3	604.4	604.6
142.5°	624.6	625.4	626.1	626.5	626.5	626.5	626.5	626.5	626.5	626.3	626.0
145°	645.1	645.9	646.6	647.0	646.9	646.8	646.7	646.5	646.4	646.4	646.4
147.5°	662.4	663.3	664.2	664.6	664.5	664.4	664.3	664.1	664.0	663.9	663.8
150°	679.1	680.2	681.2	681.7	681.6	681.3	681.0	680.8	680.5	680.3	680.0
152.5°	694.2	695.1	696.0	696.4	696.3	696.0	695.8	695.5	695.3	695.1	694.8
155°	707.5	708.6	709.6	710.1	709.9	709.5	709.2	708.8	708.4	708.1	707.9
157.5°	718.9	720.0	721.0	721.5	721.3	720.9	720.5	720.1	719.7	719.7	719.7
160°	729.7	730.8	731.8	732.3	732.0	731.5	731.0	730.5	730.0	729.9	729.7
162.5°	739.7	740.8	741.9	742.5	742.1	741.4	740.6	739.9	739.1	739.0	738.8
165°	747.9	748.9	749.9	750.4	750.0	749.3	748.5	747.8	747.0	746.9	746.8
167.5°	754.5	755.6	756.7	757.3	756.9	756.0	755.1	754.2	753.3	753.2	753.0
170°	759.6	760.7	761.8	762.4	761.9	760.9	759.8	758.8	757.8	757.7	757.6
172.5°	763.0	764.1	765.2	765.8	765.4	764.5	763.6	762.7	761.8	761.6	761.3
175°	765.8	766.9	768.0	768.6	768.1	767.1	766.1	765.1	764.1	764.0	763.8
177.5°	767.2	768.3	769.3	769.8	769.4	768.5	767.6	766.7	765.8	765.7	765.5
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	940.4	935.9	932.9	932.1	927.6	923.8	919.3	918.6	916.3	910.3	906.5
5°	969.7	959.2	956.9	950.2	938.9	930.6	920.1	914.1	907.3	896.0	887.0
7.5°	999.8	985.5	975.0	965.2	949.4	934.4	919.3	907.3	895.3	878.7	865.2
10°	1029.2	1007.4	994.6	980.3	958.5	935.9	914.8	897.5	878.0	858.4	838.8
12.5°	1056.3	1028.4	1009.6	989.3	962.2	934.4	907.3	883.2	862.9	836.6	814.8
15°	1072.8	1042.0	1023.2	1003.6	963.0	932.1	900.5	869.7	842.6	814.8	794.4
17.5°	1082.6	1048.0	1026.9	1008.9	967.5	925.3	884.7	851.6	822.3	789.2	762.1
20°	1078.1	1044.2	1024.7	1007.4	959.2	917.1	873.4	835.1	798.2	764.4	735.8
22.5°	1068.3	1032.9	1011.1	995.3	952.4	902.8	854.6	813.3	774.9	741.0	708.7
25°	1047.2	1012.6	993.8	974.2	932.1	884.7	835.8	791.4	750.8	714.7	678.6
27.5°	1028.4	986.3	966.7	949.4	905.0	862.9	814.8	765.9	724.5	686.9	650.8
30°	1006.6	959.2	938.1	914.8	874.9	835.1	786.9	741.8	698.9	659.0	624.4
32.5°	983.3	928.4	904.3	878.0	837.3	799.7	759.1	714.7	671.8	632.7	596.6
35°	953.2	894.5	866.7	841.8	799.7	762.1	724.5	687.6	644.7	603.4	568.8
37.5°	924.6	859.9	830.6	802.0	757.6	721.5	690.6	656.0	614.6	574.8	541.7
40°	892.2	817.8	787.7	761.3	715.5	675.6	647.7	620.7	584.5	546.2	510.1
42.5°	862.9	778.6	747.1	720.0	671.8	634.2	607.9	585.3	553.7	518.3	481.5
45°	822.3	736.5	704.2	675.6	626.7	591.3	564.2	544.7	519.9	486.7	453.6
47.5°	784.7	695.9	660.5	625.9	581.5	545.4	520.6	505.6	489.0	459.7	425.8
50°	738.8	649.2	613.1	584.5	534.1	503.3	478.5	467.9	452.9	425.1	398.0
52.5°	689.1	604.1	570.3	535.6	489.0	458.9	437.1	425.1	413.0	392.7	367.1
55°	631.2	553.7	522.1	491.3	444.6	416.8	397.2	384.4	377.7	358.9	340.0
57.5°	575.5	502.5	473.2	444.6	404.0	372.4	359.6	348.3	338.5	325.0	309.2
60°	519.1	452.9	421.3	395.7	360.4	331.8	321.2	310.0	302.4	291.9	280.6
62.5°	454.4	398.0	373.9	349.8	319.7	297.2	285.1	276.1	266.3	259.5	249.8
65°	385.9	346.1	322.7	304.7	276.1	255.8	246.8	240.7	232.5	225.7	218.2
67.5°	322.0	290.4	280.6	261.1	239.2	221.2	214.4	206.9	200.1	196.4	189.6
70°	260.3	237.7	228.0	222.7	198.6	186.6	180.6	177.5	169.3	165.5	161.0
72.5°	201.6	193.3	186.6	179.8	164.0	156.5	149.7	146.7	140.7	137.7	136.2
75°	149.0	143.7	139.9	139.2	132.4	124.9	118.1	116.6	112.1	109.1	107.6
77.5°	104.6	103.1	102.3	103.1	98.6	94.0	92.5	91.0	85.8	85.0	85.0
80°	68.5	72.2	72.2	71.5	70.0	69.2	67.0	65.5	62.4	61.7	62.4
82.5°	42.1	44.4	45.1	46.6	45.9	45.1	43.6	42.9	43.6	42.1	42.9
85°	21.1	22.6	25.6	25.6	26.3	26.3	26.3	25.6	24.1	24.8	24.1
87.5°	8.3	9.0	9.0	9.0	8.3	10.5	11.3	11.3	11.3	9.8	9.8
90°	6.4	5.5	5.1	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	6.8	6.1	5.7	6.3	7.4	8.5	9.7	10.8	9.7	8.5	7.4
95°	23.5	28.3	30.7	30.9	31.3	31.6	32.0	32.4	32.0	31.6	31.3
97.5°	46.2	58.2	64.2	63.8	63.1	62.3	61.6	60.8	61.6	62.3	63.1
100°	97.4	96.9	96.6	96.4	96.0	95.7	95.3	94.9	95.3	95.7	96.0
102.5°	132.3	132.0	131.9	131.6	131.1	130.6	130.1	129.6	130.1	130.6	131.1
105°	169.4	169.4	169.4	169.1	168.6	168.1	167.6	167.1	167.6	168.1	168.6
107.5°	206.2	205.9	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
110°	243.7	243.4	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	280.5	280.4	280.3	280.1	279.7	279.4	279.0	278.6	279.0	279.4	279.7
115°	316.9	316.8	316.7	316.4	315.7	315.1	314.4	313.8	314.4	315.1	315.7
117.5°	351.6	351.1	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8	350.8
120°	384.9	384.5	384.3	384.4	384.5	384.6	384.8	384.9	384.8	384.6	384.5
122.5°	418.1	418.0	417.9	417.6	416.9	416.3	415.6	415.0	415.6	416.3	416.9
125°	450.3	450.3	450.3	449.9	449.0	448.1	447.2	446.3	447.2	448.1	449.0
127.5°	479.1	479.2	479.3	479.0	478.3	477.7	477.0	476.4	477.0	477.7	478.3
130°	506.8	506.7	506.6	506.3	505.6	505.0	504.3	503.7	504.3	505.0	505.6
132.5°	533.8	534.2	534.4	534.0	533.3	532.5	531.8	531.0	531.8	532.5	533.3
135°	559.6	559.9	560.0	559.6	558.9	558.1	557.4	556.6	557.4	558.1	558.9
137.5°	583.5	583.8	583.9	583.5	582.8	582.0	581.3	580.5	581.3	582.0	582.8
140°	604.7	604.8	604.9	604.8	604.5	604.3	604.0	603.8	604.0	604.3	604.5
142.5°	625.8	625.5	625.4	625.3	625.2	625.1	624.9	624.8	624.9	625.1	625.2
145°	646.4	646.4	646.4	646.3	646.0	645.8	645.5	645.3	645.5	645.8	646.0
147.5°	663.7	663.6	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5
150°	679.8	679.5	679.4	679.5	679.8	680.0	680.3	680.5	680.3	680.0	679.8
152.5°	694.6	694.3	694.2	694.5	695.1	695.8	696.4	697.0	696.4	695.8	695.1
155°	707.6	707.3	707.2	707.6	708.4	709.1	709.9	710.7	709.9	709.1	708.4
157.5°	719.7	719.7	719.7	719.9	720.3	720.7	721.1	721.5	721.1	720.7	720.3
160°	729.6	729.5	729.4	729.8	730.5	731.3	732.0	732.8	732.0	731.3	730.5
162.5°	738.7	738.6	738.5	738.9	739.6	740.4	741.1	741.9	741.1	740.4	739.6
165°	746.7	746.6	746.5	746.9	747.6	748.4	749.1	749.9	749.1	748.4	747.6
167.5°	752.9	752.8	752.7	753.1	753.8	754.6	755.3	756.1	755.3	754.6	753.8
170°	757.5	757.4	757.3	757.7	758.6	759.5	760.3	761.2	760.3	759.5	758.6
172.5°	761.1	760.8	760.7	761.1	762.0	762.9	763.8	764.7	763.8	762.9	762.0
175°	763.7	763.6	763.5	763.9	764.6	765.4	766.1	766.9	766.1	765.4	764.6
177.5°	765.4	765.3	765.2	765.6	766.3	767.1	767.8	768.6	767.8	767.1	766.3
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	904.3	901.3	899.0	896.8	887.0	876.4	874.9	872.7	868.2	873.4	871.2
5°	881.0	874.2	870.4	860.6	848.6	839.6	832.1	823.0	819.3	816.3	815.5
7.5°	852.4	846.4	839.6	829.8	814.8	799.7	788.4	779.4	771.9	768.1	768.1
10°	824.5	817.0	808.0	791.4	777.1	758.3	746.3	737.3	726.7	720.7	715.5
12.5°	796.0	787.7	779.4	758.3	741.8	722.2	704.9	693.6	688.4	681.6	672.6
15°	767.4	754.6	746.3	725.2	704.2	684.6	673.3	661.3	649.2	642.5	639.5
17.5°	737.3	728.2	714.7	692.1	668.8	651.5	635.0	623.7	609.4	602.6	595.8
20°	710.2	696.6	683.1	660.5	638.0	614.6	598.1	584.5	575.5	570.3	564.2
22.5°	677.8	665.0	653.8	629.7	604.9	583.0	565.0	556.7	547.7	539.4	533.4
25°	650.0	637.2	625.9	599.6	572.5	552.2	538.7	528.1	518.3	514.6	508.6
27.5°	620.7	608.6	593.6	567.2	543.2	525.9	511.6	501.8	494.3	486.7	482.2
30°	592.8	579.3	565.7	537.2	517.6	500.3	486.7	474.7	468.7	464.9	457.4
32.5°	565.7	548.4	537.2	510.8	492.0	475.5	464.2	453.6	446.1	439.4	433.3
35°	536.4	517.6	506.3	484.5	464.9	448.4	438.6	431.1	422.0	416.0	413.0
37.5°	508.6	492.8	481.5	458.9	439.4	425.8	415.3	405.5	401.7	393.5	392.0
40°	478.5	464.9	454.4	432.6	414.5	404.0	392.7	383.7	376.9	373.1	367.9
42.5°	451.4	440.1	428.8	408.5	391.2	378.4	370.1	361.9	355.8	349.8	346.1
45°	426.6	414.5	404.0	384.4	367.1	355.8	347.6	337.8	336.3	328.0	324.2
47.5°	400.2	389.7	380.7	360.4	344.6	333.3	323.5	316.7	310.0	306.9	301.7
50°	374.7	364.1	353.6	335.5	321.2	310.0	300.2	292.7	288.9	284.4	279.9
52.5°	346.8	338.5	330.3	311.5	297.2	287.4	279.1	269.3	265.6	261.8	258.8
55°	323.5	311.5	302.4	286.6	273.8	263.3	254.3	246.8	243.0	240.0	236.2
57.5°	291.9	284.4	276.9	262.6	250.5	240.0	231.0	224.9	220.4	218.2	218.9
60°	264.8	256.5	252.0	237.0	224.9	216.7	208.4	202.4	197.9	195.6	194.8
62.5°	236.2	230.2	221.9	211.4	199.4	191.8	185.8	181.3	173.8	173.0	170.8
65°	208.4	203.9	196.4	186.6	176.8	170.0	163.3	157.2	154.2	150.5	148.2
67.5°	181.3	176.8	170.0	161.7	155.0	148.2	142.2	136.2	130.9	127.9	126.4
70°	155.0	151.2	146.7	136.9	128.6	123.4	118.9	115.1	109.8	108.3	107.6
72.5°	129.4	125.6	123.4	115.1	107.6	103.1	98.6	94.8	92.5	91.8	89.5
75°	106.1	102.3	99.3	91.8	87.3	84.3	79.7	78.2	76.0	75.2	74.5
77.5°	82.8	79.0	78.2	73.0	67.7	66.2	64.7	61.7	61.7	61.7	60.2
80°	59.4	58.7	57.9	52.7	50.4	48.9	48.1	45.9	44.4	42.9	42.1
82.5°	39.9	39.1	38.4	36.1	33.9	33.1	32.3	30.8	30.8	31.6	30.1
85°	24.1	22.6	21.8	21.1	19.6	19.6	20.3	19.6	19.6	19.6	18.8
87.5°	9.0	9.0	9.0	9.0	9.8	8.3	9.0	9.0	8.3	8.3	7.5
90°	4.6	5.1	5.5	6.4	7.3	8.2	9.1	9.7	10.3	11.0	11.6
92.5°	6.3	5.7	6.1	6.8	7.6	8.3	9.1	9.7	10.3	11.0	11.6
95°	30.9	30.7	28.3	23.5	18.7	13.9	9.1	9.7	10.3	11.0	11.6
97.5°	63.8	64.2	58.2	46.2	34.2	22.2	10.2	10.5	10.7	11.0	11.3
100°	96.4	96.6	96.9	97.4	97.9	98.4	98.9	80.1	61.3	42.4	23.6
102.5°	131.6	131.9	132.0	132.3	132.5	132.8	133.0	133.3	133.5	133.8	134.1
105°	169.1	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
107.5°	205.8	205.8	205.9	206.2	206.4	206.7	206.9	207.0	207.2	207.3	207.4
110°	243.3	243.3	243.4	243.7	244.0	244.2	244.5	244.1	243.7	243.4	243.0

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	280.1	280.3	280.4	280.5	280.6	280.7	280.8	280.3	279.8	279.3	278.8
115°	316.4	316.7	316.8	316.9	317.0	317.1	317.2	316.7	316.2	315.7	315.2
117.5°	350.8	350.8	351.1	351.6	352.1	352.6	353.1	352.3	351.5	350.8	350.0
120°	384.4	384.3	384.5	384.9	385.2	385.6	386.0	385.8	385.5	385.3	385.0
122.5°	417.6	417.9	418.0	418.1	418.2	418.3	418.4	418.2	417.9	417.7	417.4
125°	449.9	450.3	450.3	450.3	450.3	450.3	450.3	449.8	449.3	448.8	448.3
127.5°	479.0	479.3	479.2	479.1	479.0	478.8	478.7	478.5	478.2	478.0	477.7
130°	506.3	506.6	506.7	506.8	506.9	507.0	507.1	506.7	506.3	506.0	505.6
132.5°	534.0	534.4	534.2	533.8	533.5	533.1	532.7	532.7	532.7	532.7	532.7
135°	559.6	560.0	559.9	559.6	559.4	559.1	558.9	558.6	558.4	558.1	557.8
137.5°	583.5	583.9	583.8	583.5	583.2	583.0	582.7	582.7	582.7	582.7	582.7
140°	604.8	604.9	604.8	604.7	604.6	604.4	604.3	604.6	604.8	605.1	605.4
142.5°	625.3	625.4	625.5	625.8	626.0	626.3	626.5	626.5	626.5	626.5	626.5
145°	646.3	646.4	646.4	646.4	646.4	646.4	646.4	646.5	646.7	646.8	646.9
147.5°	663.5	663.5	663.6	663.7	663.8	663.9	664.0	664.1	664.3	664.4	664.5
150°	679.5	679.4	679.5	679.8	680.0	680.3	680.5	680.8	681.0	681.3	681.6
152.5°	694.5	694.2	694.3	694.6	694.8	695.1	695.3	695.5	695.8	696.0	696.3
155°	707.6	707.2	707.3	707.6	707.9	708.1	708.4	708.8	709.2	709.5	709.9
157.5°	719.9	719.7	719.7	719.7	719.7	719.7	719.7	720.1	720.5	720.9	721.3
160°	729.8	729.4	729.5	729.6	729.7	729.9	730.0	730.5	731.0	731.5	732.0
162.5°	738.9	738.5	738.6	738.7	738.8	739.0	739.1	739.9	740.6	741.4	742.1
165°	746.9	746.5	746.6	746.7	746.8	746.9	747.0	747.8	748.5	749.3	750.0
167.5°	753.1	752.7	752.8	752.9	753.0	753.2	753.3	754.2	755.1	756.0	756.9
170°	757.7	757.3	757.4	757.5	757.6	757.7	757.8	758.8	759.8	760.9	761.9
172.5°	761.1	760.7	760.8	761.1	761.3	761.6	761.8	762.7	763.6	764.5	765.4
175°	763.9	763.5	763.6	763.7	763.8	764.0	764.1	765.1	766.1	767.1	768.1
177.5°	765.6	765.2	765.3	765.4	765.5	765.7	765.8	766.7	767.6	768.5	769.4
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	867.4	868.9	865.2	863.7	860.6	864.4	865.2	864.4	871.2	868.2	869.7
5°	817.0	814.0	811.7	806.5	806.5	807.2	809.5	805.7	808.0	813.3	812.5
7.5°	761.3	759.8	760.6	754.6	750.1	751.6	750.1	756.8	760.6	759.1	762.1
10°	710.9	713.9	707.2	704.2	701.2	704.2	703.4	704.9	709.4	712.4	717.7
12.5°	670.3	669.6	665.8	662.8	657.5	659.0	663.5	662.0	662.8	669.6	668.8
15°	631.9	627.4	624.4	617.7	619.2	613.9	618.4	623.7	625.9	631.9	635.7
17.5°	593.6	592.8	589.1	588.3	580.0	577.8	582.3	583.8	586.1	589.1	594.3
20°	561.2	560.5	555.2	553.7	546.9	551.4	549.9	553.0	554.5	560.5	562.7
22.5°	531.9	528.1	526.6	524.4	522.1	521.4	524.4	523.6	528.9	531.1	531.9
25°	504.8	501.8	501.0	497.3	495.8	493.5	495.8	498.0	504.1	506.3	509.3
27.5°	480.0	477.7	476.2	473.2	471.0	471.0	472.5	475.5	477.7	479.2	480.7
30°	457.4	455.9	451.4	449.9	447.6	447.6	447.6	449.1	452.9	457.4	459.7
32.5°	434.1	431.1	428.1	428.1	425.8	425.8	426.6	428.1	431.8	432.6	436.3
35°	411.5	408.5	406.3	404.7	405.5	402.5	404.0	406.3	410.8	412.3	414.5
37.5°	389.7	388.9	384.4	382.2	383.7	383.7	382.9	384.4	387.4	390.5	392.0
40°	365.6	364.1	364.1	361.9	362.6	359.6	361.9	363.4	364.9	367.9	370.1
42.5°	344.6	343.1	340.0	340.8	338.5	338.5	340.0	340.8	343.1	346.8	348.3
45°	322.0	322.0	320.5	318.2	319.0	316.7	318.2	319.0	322.0	325.8	324.2
47.5°	300.2	299.4	299.4	296.4	297.9	295.7	297.9	298.7	300.2	302.4	301.7
50°	279.1	276.9	277.6	276.9	276.1	276.1	277.6	277.6	279.1	279.1	281.4
52.5°	257.3	257.3	255.8	256.5	258.0	256.5	258.8	256.5	258.0	258.8	260.3
55°	237.7	236.2	237.0	236.2	239.2	237.0	239.2	237.7	239.2	238.5	240.0
57.5°	216.7	214.4	215.2	214.4	216.7	215.9	218.2	215.9	216.7	217.4	219.7
60°	192.6	192.6	192.6	191.1	193.3	193.3	192.6	192.6	195.6	197.1	196.4
62.5°	170.0	169.3	167.0	166.3	167.0	165.5	168.5	167.8	169.3	170.8	172.3
65°	145.2	143.7	142.9	141.4	141.4	140.7	141.4	144.4	145.2	145.9	149.7
67.5°	124.9	124.1	123.4	121.1	121.1	122.6	122.6	122.6	127.1	124.9	127.9
70°	106.8	105.3	103.8	103.1	103.1	103.8	104.6	105.3	104.6	107.6	108.3
72.5°	89.5	90.3	88.8	88.8	88.8	88.0	88.0	89.5	90.3	89.5	90.3
75°	74.5	74.5	73.7	74.5	74.5	73.7	73.7	75.2	75.2	74.5	76.7
77.5°	60.2	59.4	57.9	56.4	57.2	56.4	57.2	56.4	58.7	60.9	59.4
80°	42.1	41.4	41.4	41.4	42.1	41.4	42.9	41.4	42.1	42.1	42.9
82.5°	30.1	30.8	30.8	30.1	30.8	30.1	30.8	30.8	30.8	30.1	30.8
85°	19.6	19.6	19.6	19.6	18.8	19.6	19.6	19.6	20.3	19.6	20.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.0	8.3	9.0
90°	11.9	12.1	12.5	12.8	13.2	13.6	13.2	12.8	12.5	12.1	11.9
92.5°	11.9	12.0	12.1	12.2	12.4	12.5	12.4	12.2	12.1	12.0	11.9
95°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
97.5°	11.4	11.5	11.6	11.7	11.8	11.9	11.8	11.7	11.6	11.5	11.4
100°	14.2	13.9	13.4	12.9	12.4	11.9	12.4	12.9	13.4	13.9	14.2
102.5°	134.2	128.9	118.3	107.6	97.0	86.4	97.0	107.6	118.3	128.9	134.2
105°	169.4	169.3	169.2	169.1	169.0	168.9	169.0	169.1	169.2	169.3	169.4
107.5°	207.5	207.2	206.7	206.2	205.7	205.2	205.7	206.2	206.7	207.2	207.5
110°	242.8	242.9	243.0	243.1	243.2	243.3	243.2	243.1	243.0	242.9	242.8

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	278.6	278.5	278.2	277.9	277.7	277.4	277.7	277.9	278.2	278.5	278.6
115°	315.0	314.6	313.8	313.1	312.3	311.5	312.3	313.1	313.8	314.6	315.0
117.5°	349.6	349.5	349.2	349.0	348.7	348.5	348.7	349.0	349.2	349.5	349.6
120°	384.9	384.6	383.9	383.3	382.6	382.0	382.6	383.3	383.9	384.6	384.9
122.5°	417.3	416.9	416.2	415.4	414.7	413.9	414.7	415.4	416.2	416.9	417.3
125°	448.0	447.8	447.4	447.1	446.7	446.3	446.7	447.1	447.4	447.8	448.0
127.5°	477.6	477.1	476.1	475.0	474.0	473.0	474.0	475.0	476.1	477.1	477.6
130°	505.4	505.1	504.5	503.8	503.2	502.6	503.2	503.8	504.5	505.1	505.4
132.5°	532.7	532.4	531.8	531.1	530.5	529.9	530.5	531.1	531.8	532.4	532.7
135°	557.7	557.3	556.6	555.8	555.1	554.3	555.1	555.8	556.6	557.3	557.7
137.5°	582.7	582.4	581.8	581.1	580.5	579.9	580.5	581.1	581.8	582.4	582.7
140°	605.5	605.1	604.4	603.6	602.9	602.1	602.9	603.6	604.4	605.1	605.5
142.5°	626.5	626.1	625.4	624.6	623.9	623.1	623.9	624.6	625.4	626.1	626.5
145°	647.0	646.6	645.9	645.1	644.4	643.6	644.4	645.1	645.9	646.6	647.0
147.5°	664.6	664.2	663.3	662.4	661.5	660.6	661.5	662.4	663.3	664.2	664.6
150°	681.7	681.2	680.2	679.1	678.1	677.1	678.1	679.1	680.2	681.2	681.7
152.5°	696.4	696.0	695.1	694.2	693.4	692.5	693.4	694.2	695.1	696.0	696.4
155°	710.1	709.6	708.6	707.5	706.5	705.5	706.5	707.5	708.6	709.6	710.1
157.5°	721.5	721.0	720.0	718.9	717.9	716.9	717.9	718.9	720.0	721.0	721.5
160°	732.3	731.8	730.8	729.7	728.7	727.7	728.7	729.7	730.8	731.8	732.3
162.5°	742.5	741.9	740.8	739.7	738.5	737.4	738.5	739.7	740.8	741.9	742.5
165°	750.4	749.9	748.9	747.9	746.9	745.9	746.9	747.9	748.9	749.9	750.4
167.5°	757.3	756.7	755.6	754.5	753.3	752.2	753.3	754.5	755.6	756.7	757.3
170°	762.4	761.8	760.7	759.6	758.4	757.3	758.4	759.6	760.7	761.8	762.4
172.5°	765.8	765.2	764.1	763.0	761.8	760.7	761.8	763.0	764.1	765.2	765.8
175°	768.6	768.0	766.9	765.8	764.6	763.5	764.6	765.8	766.9	768.0	768.6
177.5°	769.8	769.3	768.3	767.2	766.2	765.2	766.2	767.2	768.3	769.3	769.8
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3
2.5°	866.7	870.4	867.4	865.2	871.2	874.2	874.2	879.5	884.7	889.2	890.0
5°	813.3	819.3	820.8	820.0	829.1	833.6	843.3	848.6	856.1	861.4	867.4
7.5°	764.4	772.6	773.4	774.9	788.4	796.0	804.2	817.8	828.3	835.8	842.6
10°	715.5	720.7	726.0	732.8	746.3	759.1	771.1	785.4	799.0	806.5	816.3
12.5°	678.6	682.4	688.4	692.9	707.2	718.5	734.3	753.8	773.4	779.4	791.4
15°	640.2	642.5	654.5	659.0	671.1	689.9	699.7	718.5	739.5	750.8	764.4
17.5°	595.8	609.4	616.9	622.2	637.2	652.3	668.1	687.6	714.7	725.2	735.0
20°	564.2	574.0	582.3	589.1	602.6	625.2	639.5	655.3	680.8	692.9	707.2
22.5°	536.4	544.7	552.2	559.7	568.8	589.1	605.6	627.4	653.0	664.3	680.8
25°	510.1	518.3	522.9	531.9	543.9	558.2	577.8	597.3	622.9	635.7	651.5
27.5°	484.5	492.8	501.0	508.6	516.8	530.4	543.9	568.8	595.1	610.1	623.7
30°	462.7	466.4	474.0	482.2	490.5	503.3	519.1	536.4	566.5	580.0	596.6
32.5°	438.6	445.4	450.6	456.7	467.2	477.7	492.0	513.8	537.9	550.7	568.8
35°	416.0	422.0	425.8	436.3	443.1	454.4	468.7	488.3	508.6	522.9	538.7
37.5°	394.2	400.2	404.7	410.8	419.8	429.6	444.6	458.9	483.0	495.0	513.1
40°	371.6	376.9	382.2	388.9	397.2	409.3	418.3	436.3	455.9	469.4	483.0
42.5°	349.8	352.8	358.9	366.4	374.7	385.2	398.0	412.3	431.8	443.9	455.9
45°	326.5	331.8	338.5	343.8	351.3	361.9	373.1	385.9	405.5	417.5	430.3
47.5°	304.7	308.4	313.0	321.2	331.0	338.5	350.6	362.6	380.7	392.0	404.0
50°	282.1	285.9	292.7	297.9	305.4	315.2	326.5	339.3	356.6	364.1	376.2
52.5°	261.1	262.6	269.3	274.6	282.1	293.4	302.4	313.7	330.3	338.5	350.6
55°	240.0	241.5	245.3	250.5	258.8	267.8	277.6	290.4	304.7	312.2	323.5
57.5°	218.2	219.7	223.4	227.2	235.5	243.8	255.0	265.6	279.9	286.6	297.2
60°	196.4	196.4	200.1	205.4	211.4	218.9	228.7	241.5	252.0	260.3	267.8
62.5°	173.0	175.3	177.5	181.3	188.1	197.1	205.4	214.4	227.2	233.2	240.0
65°	149.7	152.0	156.5	160.2	165.5	171.5	182.1	189.6	199.4	206.1	212.2
67.5°	129.4	131.7	134.7	139.2	142.9	149.7	157.2	164.8	175.3	179.8	184.3
70°	108.3	110.6	112.8	118.9	122.6	127.9	133.2	140.7	149.7	152.7	156.5
72.5°	91.8	92.5	95.5	97.0	102.3	106.8	112.8	117.4	124.1	127.9	130.9
75°	77.5	77.5	78.2	79.7	82.8	85.8	90.3	94.8	100.8	103.1	106.8
77.5°	60.9	63.2	62.4	63.9	65.5	67.0	70.7	73.7	79.7	81.3	82.8
80°	43.6	44.4	46.6	48.9	48.9	51.2	53.4	54.2	57.9	60.2	60.2
82.5°	31.6	32.3	31.6	32.3	33.1	33.9	36.1	39.1	39.1	39.9	41.4
85°	19.6	19.6	20.3	21.1	21.1	20.3	21.8	21.1	21.8	23.3	23.3
87.5°	9.8	9.0	9.0	9.0	9.0	9.0	9.8	9.0	9.8	9.8	9.8
90°	11.6	11.0	10.3	9.7	9.1	8.2	7.3	6.4	5.5	5.1	4.6
92.5°	11.6	11.0	10.3	9.7	9.1	8.3	7.6	6.8	6.1	5.7	6.3
95°	11.6	11.0	10.3	9.7	9.1	13.9	18.7	23.5	28.3	30.7	30.9
97.5°	11.3	11.0	10.7	10.5	10.2	22.2	34.2	46.2	58.2	64.2	63.8
100°	23.6	42.4	61.3	80.1	98.9	98.4	97.9	97.4	96.9	96.6	96.4
102.5°	134.1	133.8	133.5	133.3	133.0	132.8	132.5	132.3	132.0	131.9	131.6
105°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.1
107.5°	207.4	207.3	207.2	207.0	206.9	206.7	206.4	206.2	205.9	205.8	205.8
110°	243.0	243.4	243.7	244.1	244.5	244.2	244.0	243.7	243.4	243.3	243.3

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	278.8	279.3	279.8	280.3	280.8	280.7	280.6	280.5	280.4	280.3	280.1
115°	315.2	315.7	316.2	316.7	317.2	317.1	317.0	316.9	316.8	316.7	316.4
117.5°	350.0	350.8	351.5	352.3	353.1	352.6	352.1	351.6	351.1	350.8	350.8
120°	385.0	385.3	385.5	385.8	386.0	385.6	385.2	384.9	384.5	384.3	384.4
122.5°	417.4	417.7	417.9	418.2	418.4	418.3	418.2	418.1	418.0	417.9	417.6
125°	448.3	448.8	449.3	449.8	450.3	450.3	450.3	450.3	450.3	450.3	449.9
127.5°	477.7	478.0	478.2	478.5	478.7	478.8	479.0	479.1	479.2	479.3	479.0
130°	505.6	506.0	506.3	506.7	507.1	507.0	506.9	506.8	506.7	506.6	506.3
132.5°	532.7	532.7	532.7	532.7	532.7	533.1	533.5	533.8	534.2	534.4	534.0
135°	557.8	558.1	558.4	558.6	558.9	559.1	559.4	559.6	559.9	560.0	559.6
137.5°	582.7	582.7	582.7	582.7	582.7	583.0	583.2	583.5	583.8	583.9	583.5
140°	605.4	605.1	604.8	604.6	604.3	604.4	604.6	604.7	604.8	604.9	604.8
142.5°	626.5	626.5	626.5	626.5	626.5	626.3	626.0	625.8	625.5	625.4	625.3
145°	646.9	646.8	646.7	646.5	646.4	646.4	646.4	646.4	646.4	646.4	646.3
147.5°	664.5	664.4	664.3	664.1	664.0	663.9	663.8	663.7	663.6	663.5	663.5
150°	681.6	681.3	681.0	680.8	680.5	680.3	680.0	679.8	679.5	679.4	679.5
152.5°	696.3	696.0	695.8	695.5	695.3	695.1	694.8	694.6	694.3	694.2	694.5
155°	709.9	709.5	709.2	708.8	708.4	708.1	707.9	707.6	707.3	707.2	707.6
157.5°	721.3	720.9	720.5	720.1	719.7	719.7	719.7	719.7	719.7	719.7	719.9
160°	732.0	731.5	731.0	730.5	730.0	729.9	729.7	729.6	729.5	729.4	729.8
162.5°	742.1	741.4	740.6	739.9	739.1	739.0	738.8	738.7	738.6	738.5	738.9
165°	750.0	749.3	748.5	747.8	747.0	746.9	746.8	746.7	746.6	746.5	746.9
167.5°	756.9	756.0	755.1	754.2	753.3	753.2	753.0	752.9	752.8	752.7	753.1
170°	761.9	760.9	759.8	758.8	757.8	757.7	757.6	757.5	757.4	757.3	757.7
172.5°	765.4	764.5	763.6	762.7	761.8	761.6	761.3	761.1	760.8	760.7	761.1
175°	768.1	767.1	766.1	765.1	764.1	764.0	763.8	763.7	763.6	763.5	763.9
177.5°	769.4	768.5	767.6	766.7	765.8	765.7	765.5	765.4	765.3	765.2	765.6
180°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	916.3	916.3	916.3	916.3
2.5°	895.3	902.0	908.8	917.1
5°	877.2	889.2	902.0	914.1
7.5°	857.6	874.9	891.5	908.8
10°	835.8	857.6	876.4	900.5
12.5°	811.7	835.1	861.4	888.5
15°	787.7	817.0	844.9	875.7
17.5°	765.1	792.9	823.8	860.6
20°	738.0	768.9	803.5	842.6
22.5°	709.4	743.3	780.9	823.0
25°	685.4	720.0	756.1	800.5
27.5°	659.0	695.1	730.5	777.9
30°	628.9	668.1	704.2	753.1
32.5°	600.3	639.5	679.3	725.2
35°	572.5	610.9	650.8	697.4
37.5°	546.2	580.8	619.9	662.0
40°	521.4	553.0	587.6	625.9
42.5°	489.8	526.6	559.0	586.8
45°	462.7	492.8	522.9	545.4
47.5°	431.1	461.2	486.7	504.8
50°	404.7	428.8	449.9	465.7
52.5°	373.1	395.7	413.0	425.1
55°	342.3	361.9	376.9	385.2
57.5°	314.5	327.3	338.5	346.1
60°	283.6	293.4	303.2	311.5
62.5°	250.5	261.1	266.3	275.3
65°	221.2	228.0	236.2	239.2
67.5°	192.6	196.4	201.6	207.6
70°	162.5	164.8	170.0	178.3
72.5°	136.2	138.4	142.2	145.2
75°	108.3	110.6	113.6	116.6
77.5°	85.0	85.8	87.3	90.3
80°	61.7	63.9	65.5	66.2
82.5°	42.9	43.6	43.6	44.4
85°	27.1	25.6	25.6	26.3
87.5°	9.8	11.3	11.3	12.8
90°	3.6	2.6	1.6	0.6
92.5°	7.4	8.5	9.7	10.8
95°	31.3	31.6	32.0	32.4
97.5°	63.1	62.3	61.6	60.8
100°	96.0	95.7	95.3	94.9
102.5°	131.1	130.6	130.1	129.6
105°	168.6	168.1	167.6	167.1
107.5°	205.8	205.8	205.8	205.8
110°	243.3	243.3	243.3	243.3

TEST NUMBER: P1027237

CATALOG NUMBER: S125RDIP-B610D610UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	279.7	279.4	279.0	278.6
115°	315.7	315.1	314.4	313.8
117.5°	350.8	350.8	350.8	350.8
120°	384.5	384.6	384.8	384.9
122.5°	416.9	416.3	415.6	415.0
125°	449.0	448.1	447.2	446.3
127.5°	478.3	477.7	477.0	476.4
130°	505.6	505.0	504.3	503.7
132.5°	533.3	532.5	531.8	531.0
135°	558.9	558.1	557.4	556.6
137.5°	582.8	582.0	581.3	580.5
140°	604.5	604.3	604.0	603.8
142.5°	625.2	625.1	624.9	624.8
145°	646.0	645.8	645.5	645.3
147.5°	663.5	663.5	663.5	663.5
150°	679.8	680.0	680.3	680.5
152.5°	695.1	695.8	696.4	697.0
155°	708.4	709.1	709.9	710.7
157.5°	720.3	720.7	721.1	721.5
160°	730.5	731.3	732.0	732.8
162.5°	739.6	740.4	741.1	741.9
165°	747.6	748.4	749.1	749.9
167.5°	753.8	754.6	755.3	756.1
170°	758.6	759.5	760.3	761.2
172.5°	762.0	762.9	763.8	764.7
175°	764.6	765.4	766.1	766.9
177.5°	766.3	767.1	767.8	768.6
180°	766.9	766.9	766.9	766.9

(END OF REPORT)