

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: P1026936

Luminaire Tested: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026936
REPORT IS A COMBINATION OF REPORTS P1002250 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

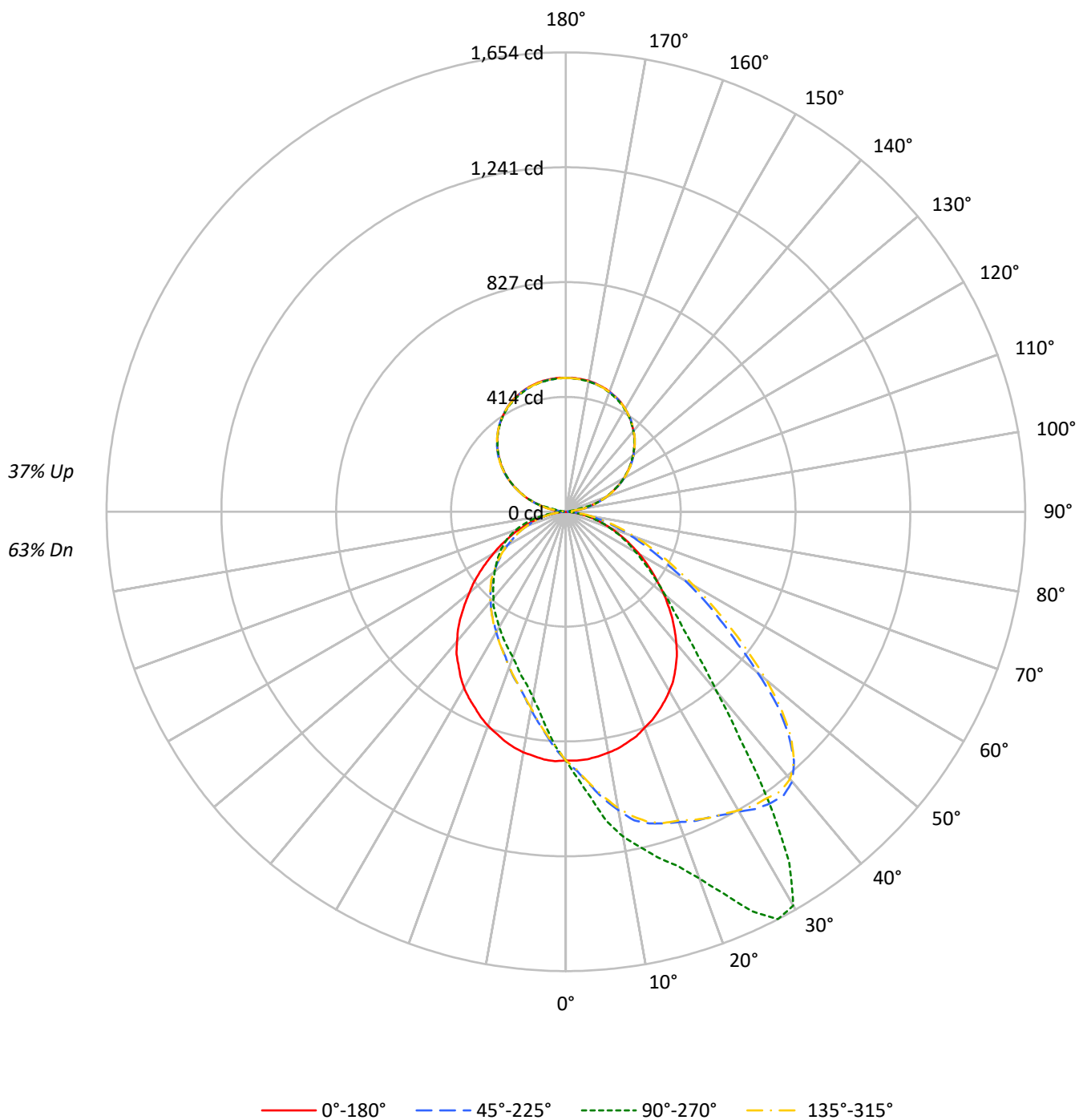
Lumens per Lamp: N/A
Luminaire Lumens: 4007.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

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	91	91	91	79	79	79	68	68	68
1	101	97	93	89	95	91	88	84	80	77	75	70	68	66	61	59	58
2	92	85	79	73	86	80	74	70	70	66	63	62	59	56	54	51	49
3	84	75	67	62	79	70	64	59	62	57	53	55	51	48	48	45	42
4	77	66	58	52	72	63	55	50	56	50	45	49	45	41	43	39	37
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	26	23
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20
10	49	37	29	25	46	35	28	24	32	26	22	28	24	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5736	5736	5736	5736
5°	5740	6506	5745	4936
10°	5705	7416	5695	4237
15°	5663	8040	5628	3828
20°	5591	8811	5540	3495
25°	5528	10096	5427	3297
30°	5437	10651	5342	3119
35°	5293	8538	5181	2975
40°	5068	5901	4992	2823
45°	4782	4393	4729	2697
50°	4457	3617	4384	2596
55°	4106	3085	4074	2508
60°	3761	2640	3696	2441
65°	3390	2280	3335	2341
70°	2997	1894	2957	2169
75°	2581	1464	2547	1882
80°	2039	991	1965	1383
85°	1304	496	1258	705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8760 cd/sqm

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.2
10°-20°	256.6	6.4
20°-30°	416.8	10.4
30°-40°	509.4	12.7
40°-50°	462.1	11.5
50°-60°	368.1	9.2
60°-70°	256.4	6.4
70°-80°	136.6	3.4
80°-90°	34.6	0.9
90°-100°	16.4	0.4
100°-110°	108.8	2.7
110°-120°	195.8	4.9
120°-130°	251.4	6.3
130°-140°	270.4	6.7
140°-150°	253.8	6.3
150°-160°	205.3	5.1
160°-170°	132.7	3.3
170°-180°	45.8	1.1
0°-30°	759.6	19.0
0°-40°	1269.1	31.7
0°-60°	2099.2	52.4
0°-90°	2526.7	63.1
90°-120°	321.0	8.0
90°-150°	1096.5	27.4
90°-180°	1480.0	36.9
0°-180°	4007.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	894	1033	895	784	894	85
15°	859	1290	854	614	859	243
25°	791	1587	777	518	791	364
35°	688	1274	674	444	688	430
45°	541	600	535	368	541	417
55°	381	370	378	301	381	340
65°	236	227	232	233	236	234
75°	114	112	112	144	114	121
85°	23	25	22	36	23	27
90°	0	9	0	9	0	3
95°	20	8	20	8	20	25
105°	105	106	105	106	105	111
115°	197	196	197	196	197	195
125°	280	280	280	280	280	251
135°	350	348	350	348	350	270
145°	406	404	406	404	406	254
155°	446	443	446	443	446	206
165°	471	469	471	469	471	133
175°	482	480	482	480	482	46
180°	482	482	482	482	482	

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	896.7	902.0	908.1	912.6	920.2	922.5	926.3	928.6	930.9	933.2	934.7
5°	894.4	907.3	918.7	927.1	941.5	946.8	953.7	962.0	971.9	980.3	985.6
7.5°	888.3	908.8	924.0	940.7	960.5	973.4	980.3	997.7	1013.7	1025.9	1041.8
10°	880.7	905.0	928.6	953.7	981.8	996.2	1009.9	1034.2	1056.3	1076.0	1092.0
12.5°	872.4	902.0	930.1	962.8	1000.8	1018.3	1027.4	1069.2	1096.5	1107.2	1138.3
15°	859.4	894.4	934.7	974.9	1006.9	1027.4	1052.5	1085.9	1113.2	1136.8	1161.9
17.5°	847.3	885.3	926.3	971.1	1017.5	1044.1	1063.1	1092.7	1122.4	1152.8	1176.3
20°	827.5	876.9	918.7	966.6	1021.3	1040.3	1060.1	1095.0	1126.9	1159.6	1189.2
22.5°	811.6	858.7	915.7	961.3	1007.6	1026.6	1050.9	1087.4	1125.4	1162.6	1206.0
25°	791.1	843.5	892.9	941.5	989.4	1009.9	1031.9	1079.1	1118.6	1166.4	1214.3
27.5°	769.0	823.0	872.4	916.4	961.3	989.4	1012.9	1062.3	1114.8	1167.2	1229.5
30°	745.5	796.4	843.5	886.8	936.2	965.1	988.6	1046.4	1104.9	1171.8	1246.2
32.5°	720.4	768.3	808.5	852.6	905.0	931.6	963.5	1026.6	1095.8	1175.6	1269.0
35°	688.5	734.1	769.8	814.6	867.0	901.2	934.7	1005.3	1085.9	1174.8	1281.9
37.5°	656.5	692.3	726.5	774.3	835.1	866.3	901.2	978.7	1070.7	1172.5	1287.3
40°	618.6	653.5	683.1	731.8	795.6	831.3	867.8	949.1	1053.2	1164.2	1268.3
42.5°	580.6	610.2	642.9	693.8	755.3	793.3	832.1	922.5	1030.4	1139.8	1215.8
45°	541.0	563.8	599.6	645.9	711.3	747.7	791.8	889.8	998.5	1095.8	1133.8
47.5°	500.0	522.8	556.2	601.1	665.7	709.0	750.8	848.8	958.2	1033.5	1033.5
50°	460.5	478.7	511.4	556.2	621.6	661.1	703.7	807.8	895.9	951.4	902.0
52.5°	417.9	438.5	465.8	512.9	577.5	613.2	659.6	748.5	832.1	854.9	778.9
55°	380.7	397.4	423.3	468.1	528.1	565.4	604.9	690.0	760.7	759.1	677.8
57.5°	342.0	355.6	383.0	424.0	479.5	512.9	552.4	626.2	683.9	663.4	586.6
60°	306.2	316.1	342.7	376.1	429.3	460.5	498.5	558.5	602.6	573.7	496.2
62.5°	269.0	280.4	301.7	334.4	381.5	406.5	434.7	495.5	523.6	497.7	418.7
65°	235.6	244.7	263.7	291.0	333.6	356.4	380.7	430.9	457.5	420.2	354.9
67.5°	202.1	212.8	226.4	250.8	284.2	305.5	326.8	370.1	382.2	348.8	294.1
70°	171.0	180.1	193.0	210.5	238.6	257.6	273.6	309.3	317.6	286.5	243.2
72.5°	140.6	146.7	157.3	171.7	197.6	208.2	224.9	249.2	259.9	231.8	200.6
75°	114.0	118.5	125.4	136.0	153.5	164.9	178.6	201.4	200.6	180.9	158.8
77.5°	88.1	88.9	96.5	106.4	117.0	126.9	133.7	149.7	151.2	139.1	120.8
80°	63.1	65.4	68.4	76.0	85.1	88.9	97.3	107.1	108.7	99.5	87.4
82.5°	40.3	41.8	44.1	48.6	54.7	59.3	63.8	67.6	71.4	66.1	56.2
85°	22.8	23.6	25.8	27.4	30.4	32.7	36.5	40.3	39.5	35.7	32.7
87.5°	11.4	11.4	11.4	12.9	14.4	14.4	16.0	16.7	17.5	16.0	14.4
90°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.6	5.1	5.7
92.5°	6.8	6.1	5.4	4.7	4.0	3.6	3.8	4.3	4.8	5.2	5.7
95°	20.4	20.2	19.9	19.7	19.4	19.3	17.8	14.8	11.7	8.7	5.7
97.5°	38.2	38.7	39.2	39.7	40.2	40.4	36.6	29.1	21.5	14.0	6.4
100°	59.7	59.9	60.1	60.4	60.6	60.7	60.9	61.2	61.5	61.9	62.2
102.5°	81.4	81.7	82.1	82.4	82.7	82.9	83.0	83.1	83.3	83.4	83.6
105°	105.0	105.3	105.7	106.0	106.3	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.3	129.3	129.3	129.3	129.4	129.5	129.7	129.8	130.0
110°	152.9	152.9	152.9	152.9	152.9	152.9	153.0	153.1	153.3	153.4	153.6

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.0	175.2	175.5	175.7	176.0	176.1	176.1	176.2	176.3	176.4	176.5
115°	197.2	197.6	198.0	198.4	198.8	199.0	199.0	199.1	199.2	199.2	199.3
117.5°	220.4	220.4	220.4	220.4	220.4	220.4	220.6	220.9	221.2	221.5	221.8
120°	241.8	241.7	241.7	241.6	241.5	241.5	241.6	241.9	242.1	242.4	242.6
122.5°	260.8	261.2	261.6	262.0	262.4	262.6	262.6	262.7	262.8	262.8	262.9
125°	280.4	281.0	281.5	282.1	282.6	282.9	282.9	282.9	282.9	282.9	282.9
127.5°	299.4	299.8	300.2	300.5	300.9	301.1	301.1	301.0	300.9	300.9	300.8
130°	316.5	316.9	317.3	317.7	318.1	318.3	318.3	318.4	318.5	318.5	318.6
132.5°	333.6	334.1	334.6	335.1	335.6	335.8	335.7	335.4	335.2	334.9	334.7
135°	349.7	350.2	350.7	351.2	351.7	351.9	351.8	351.7	351.5	351.4	351.2
137.5°	364.7	365.2	365.7	366.2	366.7	366.9	366.8	366.7	366.5	366.4	366.2
140°	379.4	379.6	379.7	379.9	380.0	380.1	380.1	380.0	379.9	379.8	379.7
142.5°	392.6	392.7	392.7	392.8	392.9	392.9	393.0	393.2	393.3	393.5	393.7
145°	405.5	405.7	405.8	406.0	406.1	406.2	406.2	406.2	406.2	406.2	406.2
147.5°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	417.0	417.1	417.1	417.2
150°	427.6	427.4	427.3	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6
152.5°	438.0	437.6	437.2	436.8	436.4	436.2	436.3	436.4	436.6	436.7	436.9
155°	446.5	446.0	445.6	445.1	444.6	444.4	444.5	444.6	444.8	444.9	445.1
157.5°	453.3	453.1	452.8	452.6	452.3	452.2	452.2	452.2	452.2	452.2	452.2
160°	460.5	460.0	459.5	459.0	458.5	458.3	458.3	458.4	458.5	458.6	458.7
162.5°	466.2	465.7	465.2	464.7	464.2	464.0	464.0	464.1	464.2	464.3	464.4
165°	471.2	470.7	470.2	469.7	469.2	469.0	469.0	469.1	469.2	469.3	469.4
167.5°	475.1	474.6	474.2	473.7	473.2	473.0	473.0	473.1	473.2	473.2	473.3
170°	478.3	477.7	477.2	476.6	476.1	475.8	475.8	475.9	476.0	476.1	476.2
172.5°	480.5	479.9	479.4	478.8	478.3	478.0	478.1	478.2	478.4	478.5	478.7
175°	481.9	481.4	481.0	480.5	480.0	479.8	479.8	479.9	480.0	480.0	480.1
177.5°	483.0	482.5	482.0	481.5	481.0	480.8	480.8	480.9	481.0	481.1	481.2
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	936.2	941.5	946.1	949.9	952.9	957.5	954.4	955.2	956.7	959.7	959.7
5°	997.0	1005.3	1009.9	1025.1	1028.9	1028.1	1025.9	1038.0	1037.3	1032.7	1031.9
7.5°	1056.3	1070.7	1083.6	1095.8	1099.6	1109.4	1111.7	1117.0	1115.5	1123.1	1119.3
10°	1110.2	1133.0	1145.2	1163.4	1168.0	1172.5	1178.6	1181.6	1188.5	1187.7	1187.7
12.5°	1152.0	1179.4	1195.3	1199.9	1217.4	1222.7	1228.0	1237.9	1235.6	1236.3	1240.9
15°	1184.7	1211.3	1224.9	1246.2	1258.4	1264.5	1273.6	1284.2	1282.7	1289.5	1288.0
17.5°	1209.0	1234.1	1259.1	1291.1	1291.8	1307.8	1329.1	1333.6	1343.5	1336.7	1336.7
20°	1228.7	1262.2	1297.9	1338.9	1343.5	1353.4	1379.2	1396.7	1408.1	1404.3	1406.6
22.5°	1250.0	1297.9	1339.7	1380.7	1402.8	1420.2	1445.3	1472.7	1482.6	1488.6	1487.1
25°	1277.4	1327.5	1389.1	1446.1	1468.9	1502.3	1535.7	1562.3	1569.9	1586.7	1571.5
27.5°	1305.5	1376.2	1452.9	1519.8	1548.7	1576.0	1616.3	1636.1	1645.9	1653.5	1648.2
30°	1329.1	1426.3	1509.9	1571.5	1592.0	1607.9	1630.7	1635.3	1631.5	1637.6	1645.2
32.5°	1365.5	1460.5	1531.2	1560.8	1558.5	1557.8	1540.3	1516.0	1510.7	1496.2	1516.0
35°	1385.3	1461.3	1488.6	1449.1	1433.2	1404.3	1348.8	1312.3	1280.4	1273.6	1275.1
37.5°	1373.9	1403.5	1370.8	1266.7	1240.9	1196.8	1123.1	1071.5	1047.9	1029.7	1053.2
40°	1312.3	1279.7	1190.0	1063.1	1025.9	984.1	914.9	886.8	853.4	846.5	877.7
42.5°	1210.5	1111.0	984.1	886.0	847.3	823.7	766.0	739.4	715.8	705.2	722.7
45°	1072.2	951.4	823.7	743.2	710.5	682.4	648.2	620.1	604.9	600.3	614.8
47.5°	929.4	801.7	699.9	639.8	605.6	584.4	552.4	536.5	524.3	525.8	528.1
50°	792.6	676.3	598.0	538.0	521.3	504.6	483.3	469.6	463.5	465.8	464.3
52.5°	674.8	580.6	514.4	468.1	460.5	444.5	427.1	415.7	413.4	414.1	416.4
55°	571.4	497.7	445.3	411.9	403.5	392.1	381.5	373.9	367.8	370.1	369.3
57.5°	493.2	428.6	388.3	360.9	354.9	348.0	338.2	334.4	332.1	327.5	331.3
60°	424.0	371.6	336.6	319.9	314.6	310.0	299.4	294.8	293.3	291.0	297.1
62.5°	358.7	321.4	294.8	279.6	274.3	269.8	264.4	260.6	261.4	258.4	261.4
65°	307.0	276.6	257.6	243.9	237.1	234.0	233.3	227.2	226.4	227.2	228.0
67.5°	259.1	233.3	218.8	210.5	205.2	202.1	199.9	196.1	199.1	196.8	198.3
70°	215.8	198.3	183.1	174.8	172.5	173.3	169.5	167.9	168.7	167.2	168.7
72.5°	174.0	159.6	153.5	147.4	144.4	143.6	141.3	139.1	141.3	140.6	140.6
75°	139.1	128.4	121.6	117.8	117.8	116.3	112.5	112.5	112.5	111.7	112.5
77.5°	107.1	98.0	95.0	91.2	91.2	88.9	88.1	88.1	86.6	88.9	87.4
80°	79.8	72.9	68.4	66.1	66.1	65.4	63.8	63.1	63.8	63.1	63.1
82.5°	51.7	48.6	46.4	44.1	43.3	44.1	43.3	41.8	42.6	41.8	43.3
85°	29.6	26.6	26.6	25.1	25.8	24.3	25.1	23.6	22.8	25.1	23.6
87.5°	12.9	12.2	12.2	10.6	10.6	10.6	9.9	10.6	9.9	9.1	9.9
90°	6.1	6.5	6.9	7.3	7.5	7.6	7.9	8.1	8.4	8.6	8.4
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.8	7.9	7.8
95°	6.1	6.5	6.9	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5	7.4
100°	50.4	38.5	26.7	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.8	83.9	84.1	84.2	84.3	81.0	74.3	67.6	61.0	54.3	61.0
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.4	106.3	106.2	106.1	106.2
107.5°	130.1	130.2	130.3	130.4	130.4	130.2	129.9	129.6	129.3	129.0	129.3
110°	153.4	153.1	152.9	152.6	152.5	152.5	152.6	152.7	152.8	152.9	152.8

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	176.2	175.8	175.5	175.2	175.0	174.9	174.8	174.6	174.5	174.3	174.5
115°	199.0	198.7	198.4	198.1	197.9	197.7	197.2	196.7	196.3	195.8	196.3
117.5°	221.3	220.9	220.4	219.9	219.7	219.6	219.5	219.3	219.2	219.0	219.2
120°	242.4	242.2	242.1	241.9	241.8	241.6	241.2	240.9	240.5	240.1	240.5
122.5°	262.7	262.6	262.4	262.3	262.2	262.0	261.5	261.0	260.6	260.1	260.6
125°	282.6	282.3	282.0	281.7	281.5	281.4	281.1	280.9	280.6	280.4	280.6
127.5°	300.6	300.5	300.3	300.2	300.1	299.8	299.1	298.5	297.8	297.2	297.8
130°	318.4	318.2	317.9	317.7	317.6	317.4	317.0	316.6	316.2	315.8	316.2
132.5°	334.7	334.7	334.7	334.7	334.7	334.5	334.1	333.7	333.3	332.9	333.3
135°	351.0	350.8	350.7	350.5	350.4	350.2	349.7	349.2	348.8	348.3	348.8
137.5°	366.2	366.2	366.2	366.2	366.2	366.0	365.6	365.2	364.8	364.4	364.8
140°	379.9	380.0	380.2	380.3	380.4	380.2	379.7	379.2	378.8	378.3	378.8
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.0	392.5	392.0	391.5	392.0
145°	406.3	406.3	406.4	406.5	406.5	406.3	405.8	405.3	404.9	404.4	404.9
147.5°	417.3	417.4	417.5	417.6	417.6	417.3	416.8	416.2	415.7	415.1	415.7
150°	427.8	427.9	428.1	428.2	428.3	428.0	427.4	426.7	426.1	425.5	426.1
152.5°	437.1	437.2	437.4	437.5	437.6	437.3	436.8	436.2	435.7	435.1	435.7
155°	445.3	445.6	445.8	446.1	446.2	445.9	445.2	444.6	443.9	443.3	443.9
157.5°	452.4	452.7	452.9	453.2	453.3	453.0	452.4	451.7	451.1	450.5	451.1
160°	459.0	459.3	459.6	459.9	460.1	459.8	459.1	458.5	457.8	457.2	457.8
162.5°	464.9	465.3	465.8	466.3	466.5	466.1	465.4	464.7	464.0	463.3	464.0
165°	469.9	470.3	470.8	471.3	471.5	471.2	470.6	469.9	469.3	468.7	469.3
167.5°	473.9	474.4	475.0	475.5	475.8	475.4	474.7	474.0	473.3	472.6	473.3
170°	476.8	477.4	478.1	478.7	479.0	478.6	477.9	477.2	476.5	475.8	476.5
172.5°	479.3	479.8	480.4	480.9	481.2	480.8	480.1	479.4	478.7	478.0	478.7
175°	480.7	481.4	482.0	482.7	483.0	482.6	481.9	481.2	480.5	479.8	480.5
177.5°	481.8	482.3	482.9	483.4	483.7	483.4	482.7	482.1	481.4	480.8	481.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	958.2	952.9	954.4	952.9	949.1	946.8	940.7	933.2	930.1	926.3	924.0
5°	1035.0	1031.2	1030.4	1024.3	1022.8	1013.7	998.5	990.9	981.8	972.7	963.5
7.5°	1118.6	1114.0	1098.8	1096.5	1098.0	1086.6	1066.9	1051.7	1032.7	1019.8	1002.3
10°	1187.7	1178.6	1165.7	1166.4	1161.1	1145.9	1126.2	1110.2	1082.8	1066.1	1041.1
12.5°	1229.5	1221.9	1220.4	1212.8	1208.2	1188.5	1164.9	1144.4	1123.9	1101.1	1082.1
15°	1280.4	1270.5	1263.7	1253.1	1250.0	1229.5	1203.7	1180.1	1156.6	1135.3	1095.0
17.5°	1336.7	1326.0	1300.2	1297.9	1279.7	1259.9	1234.8	1199.9	1174.8	1144.4	1114.8
20°	1400.5	1385.3	1351.9	1343.5	1329.1	1296.4	1262.2	1223.4	1183.2	1152.0	1117.0
22.5°	1471.9	1445.3	1421.0	1394.4	1383.8	1343.5	1296.4	1249.3	1200.6	1158.1	1116.3
25°	1564.6	1529.7	1495.5	1468.9	1450.6	1398.2	1335.1	1272.8	1216.6	1161.1	1106.4
27.5°	1637.6	1607.2	1569.9	1535.0	1511.4	1449.1	1376.9	1296.4	1226.5	1158.8	1100.3
30°	1642.9	1633.8	1611.0	1592.0	1566.1	1499.3	1419.5	1328.3	1241.7	1159.6	1088.2
32.5°	1543.3	1561.6	1571.5	1574.5	1569.2	1530.4	1457.5	1357.2	1255.3	1152.8	1077.5
35°	1329.1	1377.7	1437.7	1460.5	1482.6	1503.1	1465.1	1377.7	1259.9	1151.2	1060.8
37.5°	1094.2	1138.3	1237.9	1283.5	1309.3	1390.6	1421.8	1374.6	1269.0	1152.8	1044.9
40°	883.0	952.9	1024.3	1085.9	1126.2	1217.4	1313.9	1324.5	1256.1	1138.3	1024.3
42.5°	743.2	784.2	838.2	895.2	930.9	1038.8	1169.5	1246.2	1215.8	1114.8	999.3
45°	633.0	663.4	714.3	733.3	778.9	882.2	1020.5	1131.5	1146.7	1077.5	970.4
47.5°	543.3	569.2	601.8	625.4	661.9	739.4	856.4	978.7	1051.7	1026.6	930.1
50°	478.7	500.0	527.4	541.0	564.6	634.5	722.7	844.2	942.3	950.6	877.7
52.5°	424.8	436.9	458.2	473.4	492.4	535.0	614.8	715.1	825.2	870.8	813.1
55°	377.7	387.5	406.5	416.4	426.3	462.8	525.1	616.3	719.6	779.7	747.0
57.5°	335.1	343.5	359.4	368.5	373.9	408.8	456.7	528.1	620.8	693.8	675.5
60°	300.2	307.8	316.9	323.7	329.8	358.7	392.1	449.9	532.7	603.4	598.8
62.5°	262.9	269.8	279.6	286.5	291.8	310.0	338.2	382.2	452.9	518.2	531.2
65°	230.2	235.6	242.4	245.4	252.3	266.0	288.8	328.3	386.0	444.5	453.7
67.5°	200.6	202.1	206.7	213.5	215.1	227.2	247.7	277.4	322.2	370.1	384.5
70°	168.7	171.0	174.8	180.1	183.1	190.7	208.2	228.0	266.7	308.5	319.2
72.5°	140.6	143.6	145.1	148.2	149.7	161.9	169.5	189.2	215.8	250.8	262.2
75°	114.0	117.0	117.8	119.3	120.8	126.1	136.8	148.9	171.0	193.8	209.0
77.5°	90.4	89.7	91.2	93.5	92.7	97.3	104.1	114.7	129.2	148.2	158.1
80°	63.8	63.8	66.1	68.4	67.6	72.2	74.5	82.1	94.2	106.4	110.2
82.5°	42.6	42.6	44.8	44.8	46.4	47.1	50.2	54.0	63.8	69.9	72.2
85°	24.3	24.3	25.1	25.1	25.1	26.6	28.9	30.4	33.4	37.2	38.8
87.5°	9.9	10.6	10.6	10.6	10.6	12.2	12.2	13.7	14.4	16.0	16.0
90°	8.1	7.9	7.6	7.5	7.3	6.9	6.5	6.1	5.7	5.1	4.6
92.5°	7.7	7.6	7.5	7.5	7.3	6.9	6.5	6.1	5.7	5.2	4.8
95°	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.7	11.7
97.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.7	6.6	6.4	14.0	21.5
100°	8.1	8.4	8.7	8.9	14.8	26.7	38.5	50.4	62.2	61.9	61.5
102.5°	67.6	74.3	81.0	84.3	84.2	84.1	83.9	83.8	83.6	83.4	83.3
105°	106.3	106.4	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.6	129.9	130.2	130.4	130.4	130.3	130.2	130.1	130.0	129.8	129.7
110°	152.7	152.6	152.5	152.5	152.6	152.9	153.1	153.4	153.6	153.4	153.3



TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	174.6	174.8	174.9	175.0	175.2	175.5	175.8	176.2	176.5	176.4	176.3
115°	196.7	197.2	197.7	197.9	198.1	198.4	198.7	199.0	199.3	199.2	199.2
117.5°	219.3	219.5	219.6	219.7	219.9	220.4	220.9	221.3	221.8	221.5	221.2
120°	240.9	241.2	241.6	241.8	241.9	242.1	242.2	242.4	242.6	242.4	242.1
122.5°	261.0	261.5	262.0	262.2	262.3	262.4	262.6	262.7	262.9	262.8	262.8
125°	280.9	281.1	281.4	281.5	281.7	282.0	282.3	282.6	282.9	282.9	282.9
127.5°	298.5	299.1	299.8	300.1	300.2	300.3	300.5	300.6	300.8	300.9	300.9
130°	316.6	317.0	317.4	317.6	317.7	317.9	318.2	318.4	318.6	318.5	318.5
132.5°	333.7	334.1	334.5	334.7	334.7	334.7	334.7	334.7	334.7	334.9	335.2
135°	349.2	349.7	350.2	350.4	350.5	350.7	350.8	351.0	351.2	351.4	351.5
137.5°	365.2	365.6	366.0	366.2	366.2	366.2	366.2	366.2	366.2	366.4	366.5
140°	379.2	379.7	380.2	380.4	380.3	380.2	380.0	379.9	379.7	379.8	379.9
142.5°	392.5	393.0	393.5	393.7	393.7	393.7	393.7	393.7	393.7	393.5	393.3
145°	405.3	405.8	406.3	406.5	406.5	406.4	406.3	406.3	406.2	406.2	406.2
147.5°	416.2	416.8	417.3	417.6	417.6	417.5	417.4	417.3	417.2	417.1	417.1
150°	426.7	427.4	428.0	428.3	428.2	428.1	427.9	427.8	427.6	427.4	427.3
152.5°	436.2	436.8	437.3	437.6	437.5	437.4	437.2	437.1	436.9	436.7	436.6
155°	444.6	445.2	445.9	446.2	446.1	445.8	445.6	445.3	445.1	444.9	444.8
157.5°	451.7	452.4	453.0	453.3	453.2	452.9	452.7	452.4	452.2	452.2	452.2
160°	458.5	459.1	459.8	460.1	459.9	459.6	459.3	459.0	458.7	458.6	458.5
162.5°	464.7	465.4	466.1	466.5	466.3	465.8	465.3	464.9	464.4	464.3	464.2
165°	469.9	470.6	471.2	471.5	471.3	470.8	470.3	469.9	469.4	469.3	469.2
167.5°	474.0	474.7	475.4	475.8	475.5	475.0	474.4	473.9	473.3	473.2	473.2
170°	477.2	477.9	478.6	479.0	478.7	478.1	477.4	476.8	476.2	476.1	476.0
172.5°	479.4	480.1	480.8	481.2	480.9	480.4	479.8	479.3	478.7	478.5	478.4
175°	481.2	481.9	482.6	483.0	482.7	482.0	481.4	480.7	480.1	480.0	480.0
177.5°	482.1	482.7	483.4	483.7	483.4	482.9	482.3	481.8	481.2	481.1	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	921.0	917.2	912.6	912.6	907.3	905.0	900.5	899.0	895.2	889.1	884.5
5°	953.7	943.8	937.7	932.4	921.0	912.6	904.3	895.2	886.0	875.4	863.2
7.5°	985.6	967.3	959.0	949.9	933.2	915.7	899.0	886.8	874.6	857.9	842.7
10°	1019.0	996.2	981.0	968.9	943.0	921.0	896.7	879.2	860.2	838.9	819.2
12.5°	1047.1	1017.5	1004.6	981.8	952.1	925.6	895.2	868.6	843.5	818.4	794.1
15°	1070.7	1042.6	1010.7	1001.5	960.5	922.5	888.3	854.1	823.0	797.9	769.8
17.5°	1078.3	1042.6	1026.6	1004.6	955.9	916.4	873.1	835.9	806.2	769.0	747.0
20°	1080.6	1046.4	1024.3	1003.8	960.5	908.1	865.5	819.9	784.2	747.0	712.0
22.5°	1074.5	1034.2	1012.9	993.2	944.5	899.7	850.3	800.2	758.4	724.2	689.2
25°	1063.1	1016.0	995.5	974.2	927.8	878.4	824.5	776.6	737.9	696.8	662.6
27.5°	1047.9	993.9	970.4	948.3	902.8	856.4	805.5	756.1	712.8	669.5	637.6
30°	1028.9	966.6	945.3	916.4	872.4	828.3	781.9	732.5	683.9	642.9	607.9
32.5°	1004.6	939.2	911.1	883.8	835.9	795.6	751.5	705.2	658.1	617.8	581.3
35°	982.5	908.1	876.9	849.6	796.4	753.8	717.3	674.0	632.2	590.4	557.8
37.5°	952.9	876.9	839.7	811.6	757.6	714.3	680.1	646.7	602.6	562.3	531.9
40°	921.8	838.2	803.2	775.1	718.9	671.7	639.1	609.4	573.7	536.5	504.6
42.5°	893.6	800.9	763.7	729.5	672.5	630.7	597.3	574.5	541.8	508.4	479.5
45°	857.9	761.4	721.1	685.4	630.7	585.1	553.2	535.0	510.6	478.0	452.9
47.5°	821.4	718.9	677.1	642.1	582.8	542.6	511.4	493.9	477.2	451.4	426.3
50°	773.6	674.0	636.0	595.8	537.2	496.2	470.4	452.9	440.0	421.7	400.5
52.5°	721.1	627.7	586.6	551.7	493.9	456.7	427.1	417.2	404.3	390.6	372.3
55°	665.7	577.5	538.0	503.8	450.6	412.6	388.3	377.7	367.8	357.2	345.0
57.5°	610.2	525.1	487.9	457.5	408.1	371.6	351.8	337.4	330.6	324.5	314.6
60°	541.0	468.9	440.0	412.6	364.0	330.6	311.6	300.9	294.8	291.8	287.2
62.5°	480.3	421.0	389.1	362.5	323.7	294.1	275.8	267.5	262.2	260.6	255.3
65°	415.7	364.7	339.7	316.9	283.4	256.8	241.6	231.8	228.0	227.2	227.2
67.5°	354.9	313.8	288.8	272.8	243.9	220.4	205.9	202.1	199.9	196.8	196.1
70°	297.9	265.2	243.2	229.5	203.7	186.2	174.8	168.7	168.7	166.4	164.9
72.5°	247.7	215.1	200.6	189.2	167.9	152.7	144.4	142.9	137.5	136.8	136.8
75°	193.8	169.5	159.6	149.7	133.7	123.1	116.3	112.5	109.4	109.4	110.2
77.5°	145.9	129.2	120.1	112.5	101.1	94.2	88.9	87.4	84.3	84.3	84.3
80°	103.3	94.2	87.4	81.3	72.9	66.9	63.8	60.8	60.8	60.0	60.8
82.5°	66.9	59.3	55.5	54.7	47.1	44.8	41.0	41.8	39.5	38.8	40.3
85°	38.8	35.0	30.4	28.9	25.8	22.8	21.3	22.0	21.3	20.5	21.3
87.5°	15.2	12.9	12.2	12.2	9.9	9.1	8.4	9.1	7.6	7.6	8.4
90°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.3	3.8	3.6	4.0	4.7	5.4	6.1	6.8	6.1	5.4	4.7
95°	14.8	17.8	19.3	19.4	19.7	19.9	20.2	20.4	20.2	19.9	19.7
97.5°	29.1	36.6	40.4	40.2	39.7	39.2	38.7	38.2	38.7	39.2	39.7
100°	61.2	60.9	60.7	60.6	60.4	60.1	59.9	59.7	59.9	60.1	60.4
102.5°	83.1	83.0	82.9	82.7	82.4	82.1	81.7	81.4	81.7	82.1	82.4
105°	106.5	106.5	106.5	106.3	106.0	105.7	105.3	105.0	105.3	105.7	106.0
107.5°	129.5	129.4	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
110°	153.1	153.0	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9



TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.2	176.1	176.1	176.0	175.7	175.5	175.2	175.0	175.2	175.5	175.7
115°	199.1	199.0	199.0	198.8	198.4	198.0	197.6	197.2	197.6	198.0	198.4
117.5°	220.9	220.6	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4
120°	241.9	241.6	241.5	241.5	241.6	241.7	241.7	241.8	241.7	241.7	241.6
122.5°	262.7	262.6	262.6	262.4	262.0	261.6	261.2	260.8	261.2	261.6	262.0
125°	282.9	282.9	282.9	282.6	282.1	281.5	281.0	280.4	281.0	281.5	282.1
127.5°	301.0	301.1	301.1	300.9	300.5	300.2	299.8	299.4	299.8	300.2	300.5
130°	318.4	318.3	318.3	318.1	317.7	317.3	316.9	316.5	316.9	317.3	317.7
132.5°	335.4	335.7	335.8	335.6	335.1	334.6	334.1	333.6	334.1	334.6	335.1
135°	351.7	351.8	351.9	351.7	351.2	350.7	350.2	349.7	350.2	350.7	351.2
137.5°	366.7	366.8	366.9	366.7	366.2	365.7	365.2	364.7	365.2	365.7	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.7	379.6	379.4	379.6	379.7	379.9
142.5°	393.2	393.0	392.9	392.9	392.8	392.7	392.7	392.6	392.7	392.7	392.8
145°	406.2	406.2	406.2	406.1	406.0	405.8	405.7	405.5	405.7	405.8	406.0
147.5°	417.0	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
150°	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.4	427.3	427.1
152.5°	436.4	436.3	436.2	436.4	436.8	437.2	437.6	438.0	437.6	437.2	436.8
155°	444.6	444.5	444.4	444.6	445.1	445.6	446.0	446.5	446.0	445.6	445.1
157.5°	452.2	452.2	452.2	452.3	452.6	452.8	453.1	453.3	453.1	452.8	452.6
160°	458.4	458.3	458.3	458.5	459.0	459.5	460.0	460.5	460.0	459.5	459.0
162.5°	464.1	464.0	464.0	464.2	464.7	465.2	465.7	466.2	465.7	465.2	464.7
165°	469.1	469.0	469.0	469.2	469.7	470.2	470.7	471.2	470.7	470.2	469.7
167.5°	473.1	473.0	473.0	473.2	473.7	474.2	474.6	475.1	474.6	474.2	473.7
170°	475.9	475.8	475.8	476.1	476.6	477.2	477.7	478.3	477.7	477.2	476.6
172.5°	478.2	478.1	478.0	478.3	478.8	479.4	479.9	480.5	479.9	479.4	478.8
175°	479.9	479.8	479.8	480.0	480.5	481.0	481.4	481.9	481.4	481.0	480.5
177.5°	480.9	480.8	480.8	481.0	481.5	482.0	482.5	483.0	482.5	482.0	481.5
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	883.0	881.5	877.7	875.4	867.8	858.7	855.6	848.0	851.1	845.8	845.8
5°	859.4	852.6	848.0	841.2	826.8	816.9	806.2	800.9	797.9	794.1	791.1
7.5°	829.0	823.7	819.2	806.2	790.3	776.6	763.7	758.4	748.5	741.7	738.6
10°	802.4	794.8	784.2	769.0	752.3	734.8	723.4	712.0	704.4	700.6	692.3
12.5°	775.1	766.0	754.6	732.5	714.3	703.7	683.1	672.5	668.7	665.7	655.8
15°	747.0	737.1	723.4	702.9	686.9	661.9	649.7	641.4	632.2	631.5	623.9
17.5°	721.9	709.7	698.3	673.3	653.5	631.5	624.6	615.5	607.2	598.0	594.2
20°	690.0	678.6	670.2	642.9	620.8	607.2	595.8	588.2	582.8	573.7	572.2
22.5°	661.1	648.9	637.6	617.0	598.0	580.6	566.9	558.5	556.2	552.4	545.6
25°	633.0	620.8	607.2	588.2	568.4	556.2	544.1	538.8	534.2	528.1	522.8
27.5°	609.4	598.0	585.1	561.6	544.8	535.7	522.8	516.7	510.6	507.6	505.3
30°	581.3	568.4	558.5	540.3	522.0	509.9	500.8	495.5	490.1	487.1	485.6
32.5°	554.0	541.8	535.0	515.2	500.8	486.3	479.5	475.7	472.7	469.6	466.6
35°	531.9	519.8	509.1	490.9	476.5	466.6	461.3	455.2	452.9	449.9	449.9
37.5°	504.6	495.5	484.8	467.3	454.4	446.8	442.3	434.7	433.9	432.4	430.1
40°	481.0	471.9	462.0	446.8	435.4	426.3	420.2	416.4	414.1	412.6	411.1
42.5°	455.9	446.1	441.5	424.0	414.1	405.0	402.0	398.2	397.4	394.4	390.6
45°	431.6	423.3	414.1	401.2	392.9	385.3	380.7	377.7	373.9	373.1	370.8
47.5°	410.3	400.5	392.1	379.9	370.8	364.7	360.9	357.2	354.1	351.8	349.6
50°	383.0	375.4	368.5	355.6	348.0	342.0	336.6	333.6	330.6	330.6	330.6
52.5°	356.4	349.6	343.5	334.4	325.2	319.9	313.8	311.6	310.0	307.8	310.0
55°	330.6	323.7	317.6	310.8	300.2	295.6	289.5	287.2	288.0	288.0	290.3
57.5°	303.2	297.9	294.1	285.7	275.8	271.3	267.5	265.2	265.2	268.2	269.0
60°	276.6	271.3	264.4	256.8	250.8	245.4	243.2	243.9	243.9	245.4	249.2
62.5°	247.0	243.9	240.1	229.5	225.7	221.9	218.8	221.1	220.4	224.2	229.5
65°	219.6	216.6	211.3	205.9	201.4	197.6	196.8	197.6	199.1	202.9	209.0
67.5°	189.2	189.2	184.7	180.1	176.3	172.5	173.3	174.0	175.5	180.1	189.2
70°	164.1	161.1	156.5	153.5	150.5	148.9	147.4	150.5	155.0	158.1	164.9
72.5°	136.8	134.5	130.7	127.7	126.9	125.4	124.6	126.1	130.7	136.0	143.6
75°	107.9	108.7	106.4	104.1	104.1	101.8	103.3	103.3	107.9	113.2	119.3
77.5°	83.6	82.8	82.1	80.5	79.8	79.8	79.8	81.3	85.9	88.9	95.0
80°	59.3	60.0	57.8	58.5	57.8	58.5	58.5	61.6	63.8	67.6	72.2
82.5°	39.5	39.5	38.0	38.8	38.8	38.8	39.5	41.0	44.1	47.1	50.2
85°	22.0	22.8	21.3	22.8	22.8	22.8	23.6	24.3	26.6	27.4	30.4
87.5°	8.4	9.9	9.9	8.4	9.1	9.9	10.6	9.9	11.4	12.9	13.7
90°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3
92.5°	4.0	3.6	3.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3
95°	19.4	19.3	17.8	14.8	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.2	40.4	36.6	29.1	21.5	14.0	6.4	6.6	6.7	6.9	7.0
100°	60.6	60.7	60.9	61.2	61.5	61.9	62.2	50.4	38.5	26.7	14.8
102.5°	82.7	82.9	83.0	83.1	83.3	83.4	83.6	83.8	83.9	84.1	84.2
105°	106.3	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.4	129.5	129.7	129.8	130.0	130.1	130.2	130.3	130.4
110°	152.9	152.9	153.0	153.1	153.3	153.4	153.6	153.4	153.1	152.9	152.6

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	176.0	176.1	176.1	176.2	176.3	176.4	176.5	176.2	175.8	175.5	175.2
115°	198.8	199.0	199.0	199.1	199.2	199.2	199.3	199.0	198.7	198.4	198.1
117.5°	220.4	220.4	220.6	220.9	221.2	221.5	221.8	221.3	220.9	220.4	219.9
120°	241.5	241.5	241.6	241.9	242.1	242.4	242.6	242.4	242.2	242.1	241.9
122.5°	262.4	262.6	262.6	262.7	262.8	262.8	262.9	262.7	262.6	262.4	262.3
125°	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6	282.3	282.0	281.7
127.5°	300.9	301.1	301.1	301.0	300.9	300.9	300.8	300.6	300.5	300.3	300.2
130°	318.1	318.3	318.3	318.4	318.5	318.5	318.6	318.4	318.2	317.9	317.7
132.5°	335.6	335.8	335.7	335.4	335.2	334.9	334.7	334.7	334.7	334.7	334.7
135°	351.7	351.9	351.8	351.7	351.5	351.4	351.2	351.0	350.8	350.7	350.5
137.5°	366.7	366.9	366.8	366.7	366.5	366.4	366.2	366.2	366.2	366.2	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.8	379.7	379.9	380.0	380.2	380.3
142.5°	392.9	392.9	393.0	393.2	393.3	393.5	393.7	393.7	393.7	393.7	393.7
145°	406.1	406.2	406.2	406.2	406.2	406.2	406.2	406.3	406.3	406.4	406.5
147.5°	416.9	416.9	416.9	417.0	417.1	417.1	417.2	417.3	417.4	417.5	417.6
150°	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.8	427.9	428.1	428.2
152.5°	436.4	436.2	436.3	436.4	436.6	436.7	436.9	437.1	437.2	437.4	437.5
155°	444.6	444.4	444.5	444.6	444.8	444.9	445.1	445.3	445.6	445.8	446.1
157.5°	452.3	452.2	452.2	452.2	452.2	452.2	452.2	452.4	452.7	452.9	453.2
160°	458.5	458.3	458.3	458.4	458.5	458.6	458.7	459.0	459.3	459.6	459.9
162.5°	464.2	464.0	464.0	464.1	464.2	464.3	464.4	464.9	465.3	465.8	466.3
165°	469.2	469.0	469.0	469.1	469.2	469.3	469.4	469.9	470.3	470.8	471.3
167.5°	473.2	473.0	473.0	473.1	473.2	473.2	473.3	473.9	474.4	475.0	475.5
170°	476.1	475.8	475.8	475.9	476.0	476.1	476.2	476.8	477.4	478.1	478.7
172.5°	478.3	478.0	478.1	478.2	478.4	478.5	478.7	479.3	479.8	480.4	480.9
175°	480.0	479.8	479.8	479.9	480.0	480.0	480.1	480.7	481.4	482.0	482.7
177.5°	481.0	480.8	480.8	480.9	481.0	481.1	481.2	481.8	482.3	482.9	483.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	848.8	843.5	842.7	844.2	841.2	845.8	844.2	845.8	842.0	845.8	843.5
5°	790.3	788.8	785.7	781.9	782.7	783.5	787.3	783.5	786.5	787.3	791.1
7.5°	735.6	732.5	734.8	733.3	726.5	724.9	726.5	728.7	733.3	736.3	738.6
10°	691.5	690.0	686.9	684.7	680.9	678.6	681.6	678.6	684.7	690.0	690.0
12.5°	658.1	652.0	648.2	647.4	639.1	640.6	643.6	645.9	652.7	655.8	655.8
15°	623.1	618.6	617.0	614.0	611.0	614.0	612.5	614.8	617.8	620.8	622.4
17.5°	592.7	592.0	592.7	585.1	587.4	583.6	584.4	588.2	585.9	588.2	592.7
20°	565.4	566.9	564.6	561.6	561.6	557.0	562.3	560.8	561.6	566.1	573.0
22.5°	544.8	544.1	541.8	539.5	536.5	537.2	538.0	536.5	542.6	546.4	547.1
25°	522.8	521.3	520.5	518.2	515.2	518.2	517.5	518.2	519.8	525.8	521.3
27.5°	502.3	499.3	500.8	498.5	497.7	498.5	498.5	499.3	500.8	501.5	502.3
30°	484.8	481.8	481.0	479.5	478.7	479.5	481.0	479.5	485.6	484.8	484.8
32.5°	465.8	463.5	462.0	462.0	461.3	460.5	461.3	462.0	466.6	463.5	466.6
35°	447.6	446.1	446.1	444.5	443.8	443.8	443.8	446.8	445.3	447.6	447.6
37.5°	430.1	430.1	429.3	427.8	427.1	427.8	427.1	428.6	427.8	428.6	429.3
40°	411.9	410.3	409.6	409.6	407.3	405.0	407.3	407.3	408.1	410.3	411.1
42.5°	389.8	390.6	390.6	387.5	387.5	387.5	388.3	389.1	389.1	390.6	390.6
45°	370.8	369.3	369.3	369.3	367.8	368.5	370.1	370.1	370.1	370.1	368.5
47.5°	349.6	349.6	350.3	350.3	352.6	351.8	351.8	351.1	349.6	349.6	350.3
50°	329.8	332.1	332.8	332.8	333.6	334.4	334.4	332.8	332.1	329.8	329.8
52.5°	310.8	312.3	313.8	316.1	317.6	316.9	316.9	315.4	312.3	311.6	310.8
55°	290.3	292.6	295.6	297.9	300.2	300.9	300.9	297.9	294.8	291.0	291.0
57.5°	271.3	273.6	278.9	281.2	284.2	284.2	282.7	280.4	275.8	272.8	270.5
60°	252.3	256.1	259.9	264.4	268.2	269.0	266.7	263.7	258.4	254.6	251.5
62.5°	231.8	235.6	243.2	247.7	250.8	250.8	250.8	247.0	240.1	234.8	230.2
65°	212.0	215.8	222.6	228.7	231.0	233.3	231.0	227.2	221.9	215.8	211.3
67.5°	191.5	196.1	202.9	207.5	210.5	212.8	211.3	208.2	201.4	193.0	190.0
70°	168.7	171.0	180.9	185.4	190.0	191.5	190.0	185.4	178.6	169.5	166.4
72.5°	147.4	149.7	158.8	162.6	166.4	167.9	165.7	162.6	156.5	148.2	144.4
75°	123.1	126.9	131.5	137.5	142.1	143.6	141.3	139.1	131.5	126.1	123.1
77.5°	97.3	101.1	107.1	112.5	117.0	116.3	113.2	114.0	105.6	99.5	97.3
80°	73.7	76.7	81.3	85.9	88.1	88.1	87.4	84.3	81.3	76.7	72.9
82.5°	50.9	54.7	58.5	61.6	61.6	62.3	60.8	60.0	57.0	53.2	52.4
85°	30.4	31.2	34.2	34.2	37.2	35.7	35.0	37.2	34.2	31.9	31.2
87.5°	13.7	12.9	13.7	13.7	12.9	14.4	14.4	13.7	14.4	13.7	13.7
90°	7.5	7.6	7.9	8.1	8.4	8.6	8.4	8.1	7.9	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.8	7.9	7.8	7.7	7.6	7.5	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	7.1	7.1	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.1	7.1
100°	8.9	8.7	8.4	8.1	7.8	7.5	7.8	8.1	8.4	8.7	8.9
102.5°	84.3	81.0	74.3	67.6	61.0	54.3	61.0	67.6	74.3	81.0	84.3
105°	106.5	106.5	106.4	106.3	106.2	106.1	106.2	106.3	106.4	106.5	106.5
107.5°	130.4	130.2	129.9	129.6	129.3	129.0	129.3	129.6	129.9	130.2	130.4
110°	152.5	152.5	152.6	152.7	152.8	152.9	152.8	152.7	152.6	152.5	152.5

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.0	174.9	174.8	174.6	174.5	174.3	174.5	174.6	174.8	174.9	175.0
115°	197.9	197.7	197.2	196.7	196.3	195.8	196.3	196.7	197.2	197.7	197.9
117.5°	219.7	219.6	219.5	219.3	219.2	219.0	219.2	219.3	219.5	219.6	219.7
120°	241.8	241.6	241.2	240.9	240.5	240.1	240.5	240.9	241.2	241.6	241.8
122.5°	262.2	262.0	261.5	261.0	260.6	260.1	260.6	261.0	261.5	262.0	262.2
125°	281.5	281.4	281.1	280.9	280.6	280.4	280.6	280.9	281.1	281.4	281.5
127.5°	300.1	299.8	299.1	298.5	297.8	297.2	297.8	298.5	299.1	299.8	300.1
130°	317.6	317.4	317.0	316.6	316.2	315.8	316.2	316.6	317.0	317.4	317.6
132.5°	334.7	334.5	334.1	333.7	333.3	332.9	333.3	333.7	334.1	334.5	334.7
135°	350.4	350.2	349.7	349.2	348.8	348.3	348.8	349.2	349.7	350.2	350.4
137.5°	366.2	366.0	365.6	365.2	364.8	364.4	364.8	365.2	365.6	366.0	366.2
140°	380.4	380.2	379.7	379.2	378.8	378.3	378.8	379.2	379.7	380.2	380.4
142.5°	393.7	393.5	393.0	392.5	392.0	391.5	392.0	392.5	393.0	393.5	393.7
145°	406.5	406.3	405.8	405.3	404.9	404.4	404.9	405.3	405.8	406.3	406.5
147.5°	417.6	417.3	416.8	416.2	415.7	415.1	415.7	416.2	416.8	417.3	417.6
150°	428.3	428.0	427.4	426.7	426.1	425.5	426.1	426.7	427.4	428.0	428.3
152.5°	437.6	437.3	436.8	436.2	435.7	435.1	435.7	436.2	436.8	437.3	437.6
155°	446.2	445.9	445.2	444.6	443.9	443.3	443.9	444.6	445.2	445.9	446.2
157.5°	453.3	453.0	452.4	451.7	451.1	450.5	451.1	451.7	452.4	453.0	453.3
160°	460.1	459.8	459.1	458.5	457.8	457.2	457.8	458.5	459.1	459.8	460.1
162.5°	466.5	466.1	465.4	464.7	464.0	463.3	464.0	464.7	465.4	466.1	466.5
165°	471.5	471.2	470.6	469.9	469.3	468.7	469.3	469.9	470.6	471.2	471.5
167.5°	475.8	475.4	474.7	474.0	473.3	472.6	473.3	474.0	474.7	475.4	475.8
170°	479.0	478.6	477.9	477.2	476.5	475.8	476.5	477.2	477.9	478.6	479.0
172.5°	481.2	480.8	480.1	479.4	478.7	478.0	478.7	479.4	480.1	480.8	481.2
175°	483.0	482.6	481.9	481.2	480.5	479.8	480.5	481.2	481.9	482.6	483.0
177.5°	483.7	483.4	482.7	482.1	481.4	480.8	481.4	482.1	482.7	483.4	483.7
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2
2.5°	850.3	845.8	851.1	844.2	845.8	854.1	853.4	861.0	865.5	864.8	868.6
5°	794.1	794.1	796.4	795.6	803.2	810.0	819.2	826.8	835.1	839.7	845.0
7.5°	738.6	746.2	747.7	751.5	760.7	772.1	781.2	792.6	804.7	813.1	819.2
10°	693.0	699.1	705.2	708.2	718.1	733.3	746.2	764.5	779.7	788.8	797.1
12.5°	652.7	659.6	662.6	676.3	683.1	693.0	711.3	731.0	747.7	757.6	764.5
15°	623.9	627.7	634.5	642.9	649.7	661.9	677.1	699.1	715.1	723.4	747.0
17.5°	599.6	604.1	607.9	611.7	622.4	635.3	649.7	668.7	689.2	703.7	715.8
20°	574.5	576.8	581.3	587.4	595.0	607.2	620.1	639.8	658.1	669.5	685.4
22.5°	544.8	551.7	556.2	560.8	569.2	582.8	595.0	609.4	632.2	645.2	661.9
25°	527.4	530.4	533.4	538.8	544.8	557.0	570.7	585.9	604.1	617.8	632.2
27.5°	504.6	509.1	512.9	519.8	523.6	533.4	546.4	561.6	583.6	595.0	607.2
30°	485.6	490.1	493.2	496.2	501.5	512.2	524.3	536.5	557.0	571.4	583.6
32.5°	466.6	471.1	474.9	477.2	482.5	489.4	499.3	514.4	531.9	541.8	557.8
35°	449.9	449.9	454.4	457.5	462.0	468.1	477.2	488.6	506.8	519.8	534.2
37.5°	430.9	431.6	435.4	437.7	442.3	448.3	457.5	468.1	483.3	493.2	507.6
40°	411.1	413.4	414.9	418.7	424.0	426.3	435.4	447.6	462.8	471.9	484.1
42.5°	391.3	392.9	396.7	399.7	404.3	408.1	414.1	425.5	436.9	450.6	460.5
45°	369.3	373.1	375.4	380.7	383.0	386.8	392.9	402.0	415.7	424.0	435.4
47.5°	350.3	351.8	353.4	360.2	364.7	367.0	373.1	378.4	392.9	400.5	411.1
50°	329.8	329.8	332.1	335.1	340.4	345.0	350.3	356.4	367.8	375.4	386.0
52.5°	310.8	308.5	310.0	311.6	316.9	321.4	326.8	335.1	345.8	350.3	359.4
55°	290.3	286.5	288.8	291.0	292.6	298.6	304.7	310.0	318.4	325.2	333.6
57.5°	268.2	267.5	266.0	266.7	270.5	274.3	278.9	285.7	295.6	300.9	305.5
60°	248.5	243.9	242.4	243.9	246.2	248.5	254.6	260.6	269.0	274.3	279.6
62.5°	228.0	223.4	220.4	218.1	220.4	225.7	229.5	234.0	240.9	247.0	251.5
65°	208.2	201.4	198.3	196.8	196.1	199.9	202.9	209.0	215.1	217.3	222.6
67.5°	186.2	180.1	176.3	174.0	174.0	174.0	177.1	183.1	189.2	190.0	195.3
70°	164.1	157.3	153.5	150.5	148.9	150.5	154.3	155.0	160.3	161.9	164.9
72.5°	140.6	134.5	129.9	126.1	126.9	128.4	128.4	129.9	133.0	136.8	136.8
75°	118.5	110.2	107.9	104.9	103.3	103.3	103.3	106.4	108.7	111.7	110.9
77.5°	93.5	88.9	84.3	82.8	80.5	79.8	81.3	81.3	82.8	85.1	85.9
80°	72.2	66.9	63.8	62.3	59.3	58.5	59.3	59.3	61.6	60.8	61.6
82.5°	50.2	46.4	44.1	41.8	40.3	41.0	40.3	40.3	41.0	40.3	40.3
85°	28.9	28.1	26.6	25.8	25.1	23.6	25.1	24.3	23.6	22.8	24.3
87.5°	13.7	12.9	12.9	11.4	11.4	10.6	11.4	11.4	10.6	10.6	10.6
90°	7.3	6.9	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.3	6.9	6.5	6.1	5.7	5.2	4.8	4.3	3.8	3.6	4.0
95°	7.3	6.9	6.5	6.1	5.7	8.7	11.7	14.8	17.8	19.3	19.4
97.5°	7.0	6.9	6.7	6.6	6.4	14.0	21.5	29.1	36.6	40.4	40.2
100°	14.8	26.7	38.5	50.4	62.2	61.9	61.5	61.2	60.9	60.7	60.6
102.5°	84.2	84.1	83.9	83.8	83.6	83.4	83.3	83.1	83.0	82.9	82.7
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.3
107.5°	130.4	130.3	130.2	130.1	130.0	129.8	129.7	129.5	129.4	129.3	129.3
110°	152.6	152.9	153.1	153.4	153.6	153.4	153.3	153.1	153.0	152.9	152.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.2	175.5	175.8	176.2	176.5	176.4	176.3	176.2	176.1	176.1	176.0
115°	198.1	198.4	198.7	199.0	199.3	199.2	199.2	199.1	199.0	199.0	198.8
117.5°	219.9	220.4	220.9	221.3	221.8	221.5	221.2	220.9	220.6	220.4	220.4
120°	241.9	242.1	242.2	242.4	242.6	242.4	242.1	241.9	241.6	241.5	241.5
122.5°	262.3	262.4	262.6	262.7	262.9	262.8	262.8	262.7	262.6	262.6	262.4
125°	281.7	282.0	282.3	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6
127.5°	300.2	300.3	300.5	300.6	300.8	300.9	300.9	301.0	301.1	301.1	300.9
130°	317.7	317.9	318.2	318.4	318.6	318.5	318.5	318.4	318.3	318.3	318.1
132.5°	334.7	334.7	334.7	334.7	334.7	334.9	335.2	335.4	335.7	335.8	335.6
135°	350.5	350.7	350.8	351.0	351.2	351.4	351.5	351.7	351.8	351.9	351.7
137.5°	366.2	366.2	366.2	366.2	366.2	366.4	366.5	366.7	366.8	366.9	366.7
140°	380.3	380.2	380.0	379.9	379.7	379.8	379.9	380.0	380.1	380.1	380.0
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.3	393.2	393.0	392.9	392.9
145°	406.5	406.4	406.3	406.3	406.2	406.2	406.2	406.2	406.2	406.2	406.1
147.5°	417.6	417.5	417.4	417.3	417.2	417.1	417.1	417.0	416.9	416.9	416.9
150°	428.2	428.1	427.9	427.8	427.6	427.4	427.3	427.1	427.0	426.9	427.0
152.5°	437.5	437.4	437.2	437.1	436.9	436.7	436.6	436.4	436.3	436.2	436.4
155°	446.1	445.8	445.6	445.3	445.1	444.9	444.8	444.6	444.5	444.4	444.6
157.5°	453.2	452.9	452.7	452.4	452.2	452.2	452.2	452.2	452.2	452.2	452.3
160°	459.9	459.6	459.3	459.0	458.7	458.6	458.5	458.4	458.3	458.3	458.5
162.5°	466.3	465.8	465.3	464.9	464.4	464.3	464.2	464.1	464.0	464.0	464.2
165°	471.3	470.8	470.3	469.9	469.4	469.3	469.2	469.1	469.0	469.0	469.2
167.5°	475.5	475.0	474.4	473.9	473.3	473.2	473.2	473.1	473.0	473.0	473.2
170°	478.7	478.1	477.4	476.8	476.2	476.1	476.0	475.9	475.8	475.8	476.1
172.5°	480.9	480.4	479.8	479.3	478.7	478.5	478.4	478.2	478.1	478.0	478.3
175°	482.7	482.0	481.4	480.7	480.1	480.0	480.0	479.9	479.8	479.8	480.0
177.5°	483.4	482.9	482.3	481.8	481.2	481.1	481.0	480.9	480.8	480.8	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	895.2	895.2	895.2	895.2
2.5°	873.9	881.5	886.8	896.7
5°	854.1	867.8	880.7	894.4
7.5°	834.4	850.3	870.8	888.3
10°	812.3	832.8	857.2	880.7
12.5°	790.3	814.6	841.2	872.4
15°	763.7	794.8	826.0	859.4
17.5°	740.1	772.1	805.5	847.3
20°	713.5	748.5	785.0	827.5
22.5°	690.0	728.7	766.7	811.6
25°	663.4	701.4	743.2	791.1
27.5°	641.4	676.3	717.3	769.0
30°	614.8	652.7	693.8	745.5
32.5°	589.7	626.2	669.5	720.4
35°	563.8	601.1	639.8	688.5
37.5°	539.5	571.4	610.2	656.5
40°	512.2	547.1	582.1	618.6
42.5°	487.1	519.0	551.7	580.6
45°	459.0	486.3	517.5	541.0
47.5°	433.1	457.5	481.8	500.0
50°	407.3	426.3	444.5	460.5
52.5°	376.9	398.2	408.1	417.9
55°	349.6	361.7	370.8	380.7
57.5°	323.0	328.3	332.8	342.0
60°	288.0	294.1	299.4	306.2
62.5°	257.6	260.6	262.2	269.0
65°	228.7	228.0	231.8	235.6
67.5°	197.6	196.8	200.6	202.1
70°	167.2	166.4	167.2	171.0
72.5°	138.3	138.3	139.1	140.6
75°	111.7	111.7	112.5	114.0
77.5°	84.3	85.9	85.1	88.1
80°	61.6	60.0	61.6	63.1
82.5°	40.3	41.8	41.8	40.3
85°	22.8	22.8	22.8	22.8
87.5°	9.9	9.9	10.6	11.4
90°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.7	19.9	20.2	20.4
97.5°	39.7	39.2	38.7	38.2
100°	60.4	60.1	59.9	59.7
102.5°	82.4	82.1	81.7	81.4
105°	106.0	105.7	105.3	105.0
107.5°	129.3	129.3	129.3	129.3
110°	152.9	152.9	152.9	152.9

TEST NUMBER: P1026936

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	175.7	175.5	175.2	175.0
115°	198.4	198.0	197.6	197.2
117.5°	220.4	220.4	220.4	220.4
120°	241.6	241.7	241.7	241.8
122.5°	262.0	261.6	261.2	260.8
125°	282.1	281.5	281.0	280.4
127.5°	300.5	300.2	299.8	299.4
130°	317.7	317.3	316.9	316.5
132.5°	335.1	334.6	334.1	333.6
135°	351.2	350.7	350.2	349.7
137.5°	366.2	365.7	365.2	364.7
140°	379.9	379.7	379.6	379.4
142.5°	392.8	392.7	392.7	392.6
145°	406.0	405.8	405.7	405.5
147.5°	416.9	416.9	416.9	416.9
150°	427.1	427.3	427.4	427.6
152.5°	436.8	437.2	437.6	438.0
155°	445.1	445.6	446.0	446.5
157.5°	452.6	452.8	453.1	453.3
160°	459.0	459.5	460.0	460.5
162.5°	464.7	465.2	465.7	466.2
165°	469.7	470.2	470.7	471.2
167.5°	473.7	474.2	474.6	475.1
170°	476.6	477.2	477.7	478.3
172.5°	478.8	479.4	479.9	480.5
175°	480.5	481.0	481.4	481.9
177.5°	481.5	482.0	482.5	483.0
180°	481.9	481.9	481.9	481.9

(END OF REPORT)