

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: P1026937

Luminaire Tested: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1026937
REPORT IS A COMBINATION OF REPORTS P1002251 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_4000K
Description: Define 5 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

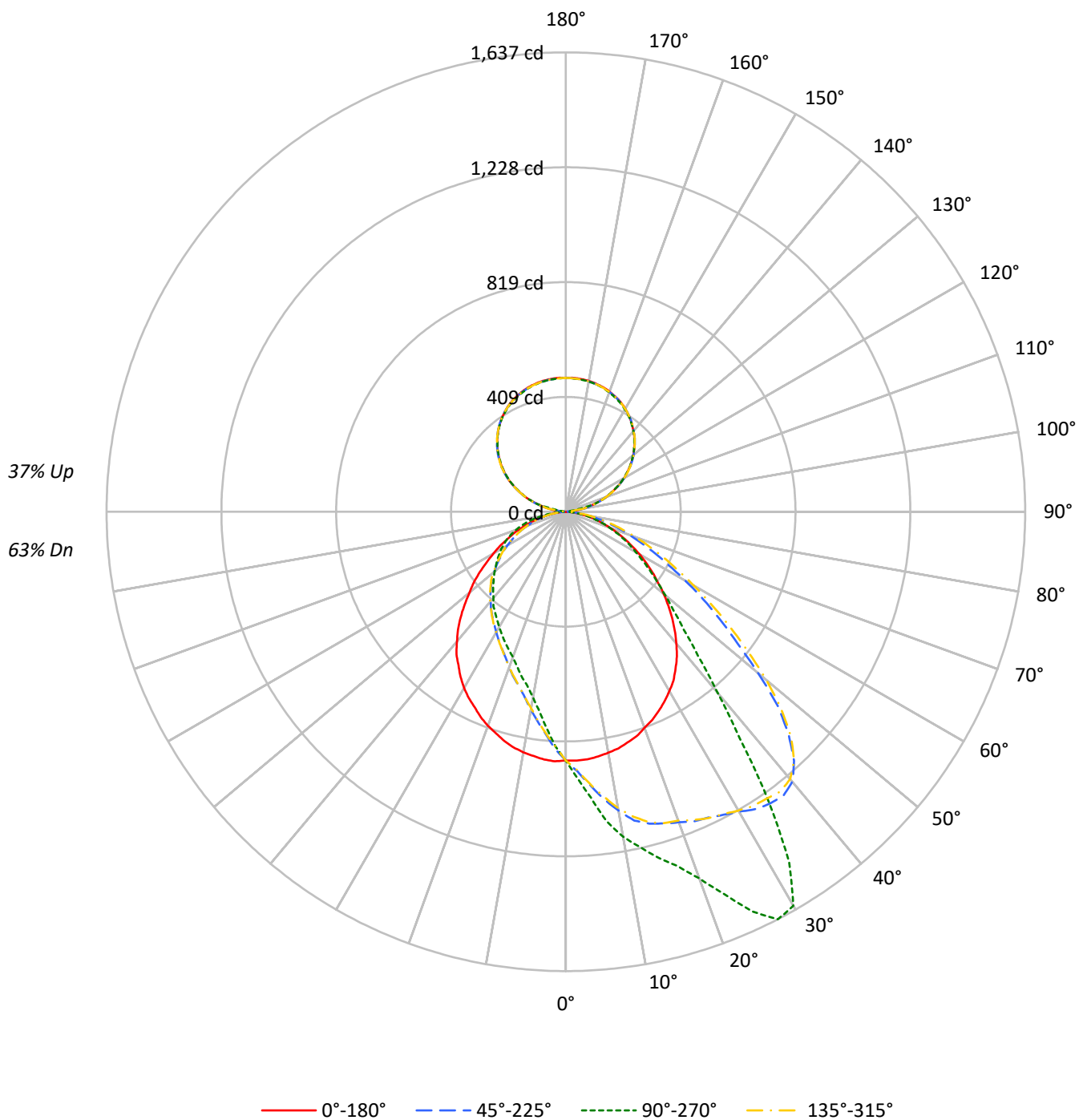
Lumens per Lamp: N/A
Luminaire Lumens: 3967.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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

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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	50	30	10
RCR																				
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	68	68	68
1	101	97	93	89	95	91	88	84	80	77	75	70	68	66	61	59	58	58	58	58
2	92	85	79	73	86	80	74	70	70	66	63	62	59	56	54	51	49	49	49	49
3	84	75	67	62	79	70	64	59	62	57	53	55	51	48	48	45	42	42	42	42
4	77	66	58	52	72	63	55	50	56	50	45	49	45	41	43	39	37	37	37	37
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	32	32	32
6	66	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	28	28	28
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	25	25	25
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	26	23	23	23	23
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	20	20	20
10	49	37	29	25	46	35	28	24	32	26	22	28	24	20	25	21	18	18	18	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5679	5679	5679	5679
5°	5683	6442	5688	4887
10°	5648	7343	5639	4195
15°	5607	7961	5572	3790
20°	5536	8724	5485	3460
25°	5473	9996	5373	3265
30°	5383	10546	5290	3088
35°	5240	8454	5130	2946
40°	5017	5843	4943	2795
45°	4736	4350	4683	2671
50°	4413	3581	4340	2570
55°	4065	3054	4033	2483
60°	3724	2615	3659	2416
65°	3356	2258	3302	2318
70°	2968	1874	2927	2147
75°	2556	1450	2522	1864
80°	2016	980	1945	1371
85°	1292	490	1246	699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	2.2
10°-20°	254.1	6.4
20°-30°	412.7	10.4
30°-40°	504.4	12.7
40°-50°	457.5	11.5
50°-60°	364.4	9.2
60°-70°	253.8	6.4
70°-80°	135.2	3.4
80°-90°	34.2	0.9
90°-100°	16.2	0.4
100°-110°	107.7	2.7
110°-120°	193.9	4.9
120°-130°	248.8	6.3
130°-140°	267.6	6.7
140°-150°	251.2	6.3
150°-160°	203.2	5.1
160°-170°	131.4	3.3
170°-180°	45.3	1.1
0°-30°	752.1	19.0
0°-40°	1256.5	31.7
0°-60°	2078.4	52.4
0°-90°	2501.7	63.1
90°-120°	317.7	8.0
90°-150°	1085.4	27.4
90°-180°	1465.0	36.9
0°-180°	3967.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	886	886	886	886	886	
5°	886	1022	886	776	886	84
15°	851	1277	846	608	851	240
25°	783	1571	769	513	783	361
35°	682	1261	667	439	682	426
45°	536	594	530	365	536	413
55°	377	366	374	298	377	337
65°	233	225	230	231	233	231
75°	113	111	111	142	113	120
85°	23	25	22	35	23	27
90°	0	8	0	8	0	3
95°	20	7	20	7	20	25
105°	104	105	104	105	104	110
115°	195	194	195	194	195	194
125°	278	278	278	278	278	248
135°	346	345	346	345	346	267
145°	401	400	401	400	401	251
155°	442	439	442	439	442	204
165°	466	464	466	464	466	132
175°	477	475	477	475	477	45
180°	477	477	477	477	477	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	887.8	893.1	899.1	903.6	911.1	913.4	917.1	919.4	921.7	923.9	925.4
5°	885.5	898.3	909.6	917.9	932.2	937.5	944.2	952.5	962.3	970.6	975.8
7.5°	879.5	899.8	914.9	931.4	951.0	963.8	970.6	987.9	1003.7	1015.7	1031.5
10°	872.0	896.1	919.4	944.2	972.1	986.4	999.9	1024.0	1045.8	1065.4	1081.2
12.5°	863.7	893.1	920.9	953.3	990.9	1008.2	1017.2	1058.6	1085.7	1096.2	1127.1
15°	850.9	885.5	925.4	965.3	996.9	1017.2	1042.0	1075.1	1102.2	1125.6	1150.4
17.5°	838.9	876.5	917.1	961.5	1007.4	1033.8	1052.6	1081.9	1111.3	1141.4	1164.7
20°	819.3	868.2	909.6	957.0	1011.2	1030.0	1049.6	1084.2	1115.8	1148.1	1177.5
22.5°	803.5	850.2	906.6	951.8	997.6	1016.5	1040.5	1076.6	1114.3	1151.1	1194.0
25°	783.2	835.1	884.0	932.2	979.6	999.9	1021.7	1068.4	1107.5	1154.9	1202.3
27.5°	761.4	814.8	863.7	907.4	951.8	979.6	1002.9	1051.8	1103.7	1155.6	1217.3
30°	738.1	788.5	835.1	878.0	926.9	955.5	978.8	1036.0	1094.0	1160.2	1233.9
32.5°	713.3	760.6	800.5	844.2	896.1	922.4	954.0	1016.5	1084.9	1163.9	1256.5
35°	681.7	726.8	762.2	806.5	858.5	892.3	925.4	995.4	1075.1	1163.2	1269.3
37.5°	650.1	685.4	719.3	766.7	826.9	857.7	892.3	969.1	1060.1	1160.9	1274.5
40°	612.4	647.0	676.4	724.5	787.7	823.1	859.2	939.7	1042.8	1152.6	1255.7
42.5°	574.8	604.2	636.5	686.9	747.9	785.5	823.8	913.4	1020.2	1128.6	1203.8
45°	535.7	558.3	593.6	639.5	704.2	740.3	784.0	881.0	988.6	1084.9	1122.5
47.5°	495.1	517.6	550.7	595.1	659.1	702.0	743.3	840.4	948.7	1023.2	1023.2
50°	455.9	474.0	506.3	550.7	615.4	654.6	696.7	799.8	887.0	942.0	893.1
52.5°	413.8	434.1	461.2	507.9	571.8	607.2	653.1	741.1	823.8	846.4	771.2
55°	376.9	393.5	419.1	463.5	522.9	559.8	598.9	683.2	753.1	751.6	671.1
57.5°	338.6	352.1	379.2	419.8	474.7	507.9	547.0	620.0	677.1	656.8	580.8
60°	303.2	313.0	339.3	372.4	425.1	455.9	493.6	553.0	596.6	568.0	491.3
62.5°	266.3	277.6	298.7	331.0	377.7	402.5	430.4	490.5	518.4	492.8	414.6
65°	233.2	242.3	261.1	288.2	330.3	352.9	376.9	426.6	452.9	416.1	351.4
67.5°	200.1	210.7	224.2	248.3	281.4	302.5	323.5	366.4	378.4	345.3	291.2
70°	169.3	178.3	191.1	208.4	236.2	255.1	270.9	306.2	314.5	283.6	240.8
72.5°	139.2	145.2	155.7	170.0	195.6	206.2	222.7	246.8	257.3	229.5	198.6
75°	112.9	117.4	124.1	134.7	152.0	163.3	176.8	199.4	198.6	179.1	157.2
77.5°	87.3	88.0	95.6	105.3	115.9	125.6	132.4	148.2	149.7	137.7	119.6
80°	62.4	64.7	67.7	75.2	84.3	88.0	96.3	106.1	107.6	98.6	86.5
82.5°	39.9	41.4	43.6	48.2	54.2	58.7	63.2	67.0	70.7	65.5	55.7
85°	22.6	23.3	25.6	27.1	30.1	32.4	36.1	39.9	39.1	35.4	32.4
87.5°	11.3	11.3	11.3	12.8	14.3	14.3	15.8	16.6	17.3	15.8	14.3
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°	6.7	6.0	5.3	4.6	3.9	3.5	3.7	4.2	4.7	5.2	5.7
95°	20.2	20.0	19.7	19.5	19.2	19.1	17.6	14.6	11.7	8.7	5.7
97.5°	37.8	38.3	38.8	39.3	39.8	40.0	36.3	28.8	21.3	13.9	6.4
100°	59.1	59.3	59.5	59.8	60.0	60.1	60.3	60.6	60.9	61.2	61.5
102.5°	80.6	80.9	81.2	81.5	81.8	82.0	82.1	82.2	82.4	82.5	82.7
105°	104.0	104.3	104.6	104.9	105.2	105.4	105.4	105.4	105.4	105.4	105.4
107.5°	128.0	128.0	128.0	128.0	128.0	128.0	128.1	128.2	128.4	128.5	128.7
110°	151.3	151.3	151.3	151.3	151.3	151.3	151.4	151.6	151.7	151.9	152.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	173.3	173.5	173.7	174.0	174.2	174.3	174.3	174.4	174.5	174.6	174.7
115°	195.2	195.6	196.0	196.4	196.8	197.0	197.0	197.1	197.2	197.2	197.3
117.5°	218.2	218.2	218.2	218.2	218.2	218.2	218.4	218.7	219.0	219.3	219.6
120°	239.4	239.3	239.2	239.1	239.0	239.0	239.1	239.4	239.6	239.9	240.1
122.5°	258.1	258.5	258.9	259.3	259.7	259.9	259.9	260.0	260.1	260.2	260.3
125°	277.6	278.2	278.7	279.3	279.8	280.1	280.1	280.1	280.1	280.1	280.1
127.5°	296.3	296.7	297.1	297.5	297.9	298.1	298.1	298.0	297.9	297.8	297.7
130°	313.3	313.7	314.1	314.5	314.9	315.1	315.1	315.2	315.3	315.3	315.4
132.5°	330.3	330.8	331.2	331.7	332.2	332.4	332.3	332.0	331.8	331.5	331.3
135°	346.2	346.7	347.1	347.6	348.1	348.3	348.2	348.1	347.9	347.8	347.6
137.5°	361.0	361.5	362.0	362.5	363.0	363.2	363.1	362.9	362.8	362.6	362.4
140°	375.5	375.7	375.8	376.0	376.1	376.2	376.2	376.1	376.0	376.0	375.9
142.5°	388.6	388.7	388.8	388.9	389.0	389.0	389.1	389.2	389.4	389.5	389.7
145°	401.3	401.5	401.7	401.8	402.0	402.1	402.1	402.1	402.1	402.1	402.1
147.5°	412.7	412.7	412.7	412.7	412.7	412.7	412.7	412.8	412.9	412.9	413.0
150°	423.3	423.1	423.0	422.8	422.7	422.6	422.7	422.8	423.0	423.1	423.3
152.5°	433.5	433.1	432.7	432.4	432.0	431.8	431.9	432.0	432.2	432.3	432.5
155°	442.0	441.5	441.1	440.6	440.1	439.9	440.0	440.1	440.3	440.4	440.6
157.5°	448.7	448.5	448.3	448.0	447.8	447.7	447.7	447.7	447.7	447.7	447.7
160°	455.8	455.3	454.9	454.4	453.9	453.7	453.7	453.8	453.9	453.9	454.0
162.5°	461.5	461.0	460.5	460.0	459.5	459.3	459.3	459.4	459.5	459.6	459.7
165°	466.4	465.9	465.5	465.0	464.5	464.3	464.3	464.4	464.5	464.5	464.6
167.5°	470.3	469.8	469.4	468.9	468.4	468.2	468.2	468.3	468.4	468.4	468.5
170°	473.5	472.9	472.4	471.8	471.3	471.0	471.0	471.1	471.2	471.3	471.4
172.5°	475.6	475.0	474.5	473.9	473.4	473.1	473.2	473.3	473.5	473.6	473.8
175°	477.0	476.5	476.1	475.6	475.1	474.9	474.9	475.0	475.1	475.1	475.2
177.5°	478.1	477.6	477.2	476.7	476.2	476.0	476.0	476.1	476.2	476.2	476.3
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	926.9	932.2	936.7	940.5	943.5	948.0	945.0	945.7	947.2	950.2	950.2
5°	987.1	995.4	999.9	1015.0	1018.7	1018.0	1015.7	1027.7	1027.0	1022.5	1021.7
7.5°	1045.8	1060.1	1072.9	1084.9	1088.7	1098.5	1100.7	1106.0	1104.5	1112.0	1108.2
10°	1099.2	1121.8	1133.8	1151.9	1156.4	1160.9	1166.9	1169.9	1176.7	1176.0	1176.0
12.5°	1140.6	1167.7	1183.5	1188.0	1205.3	1210.6	1215.8	1225.6	1223.4	1224.1	1228.6
15°	1173.0	1199.3	1212.8	1233.9	1245.9	1252.0	1261.0	1271.5	1270.0	1276.8	1275.3
17.5°	1197.0	1221.9	1246.7	1278.3	1279.0	1294.8	1315.9	1320.4	1330.2	1323.4	1323.4
20°	1216.6	1249.7	1285.1	1325.7	1330.2	1340.0	1365.6	1382.9	1394.1	1390.4	1392.6
22.5°	1237.7	1285.1	1326.4	1367.1	1388.9	1406.2	1431.0	1458.1	1467.9	1473.9	1472.4
25°	1264.7	1314.4	1375.3	1431.8	1454.3	1487.4	1520.5	1546.9	1554.4	1571.0	1555.9
27.5°	1292.6	1362.5	1438.5	1504.7	1533.3	1560.4	1600.3	1619.9	1629.6	1637.2	1631.9
30°	1315.9	1412.2	1495.0	1555.9	1576.2	1592.0	1614.6	1619.1	1615.3	1621.4	1628.9
32.5°	1352.0	1446.1	1516.0	1545.4	1543.1	1542.4	1525.1	1501.0	1495.7	1481.4	1501.0
35°	1371.6	1446.8	1473.9	1434.8	1419.0	1390.4	1335.5	1299.3	1267.7	1261.0	1262.5
37.5°	1360.3	1389.6	1357.3	1254.2	1228.6	1185.0	1112.0	1060.8	1037.5	1019.5	1042.8
40°	1299.3	1267.0	1178.2	1052.6	1015.7	974.3	905.9	878.0	844.9	838.1	869.0
42.5°	1198.5	1100.0	974.3	877.3	838.9	815.6	758.4	732.1	708.7	698.2	715.5
45°	1061.6	942.0	815.6	735.8	703.5	675.6	641.8	613.9	598.9	594.4	608.7
47.5°	920.2	793.8	692.9	633.5	599.6	578.6	547.0	531.2	519.1	520.6	522.9
50°	784.7	669.6	592.1	532.7	516.1	499.6	478.5	465.0	458.9	461.2	459.7
52.5°	668.1	574.8	509.4	463.5	455.9	440.1	422.8	411.5	409.3	410.0	412.3
55°	565.8	492.8	440.9	407.8	399.5	388.2	377.7	370.2	364.1	366.4	365.7
57.5°	488.3	424.3	384.5	357.4	351.4	344.6	334.8	331.0	328.8	324.3	328.0
60°	419.8	367.9	333.3	316.7	311.5	307.0	296.4	291.9	290.4	288.2	294.2
62.5°	355.1	318.3	291.9	276.9	271.6	267.1	261.8	258.1	258.8	255.8	258.8
65°	304.0	273.9	255.1	241.5	234.7	231.7	231.0	225.0	224.2	225.0	225.7
67.5°	256.6	231.0	216.7	208.4	203.1	200.1	197.9	194.1	197.1	194.9	196.4
70°	213.7	196.4	181.3	173.0	170.8	171.5	167.8	166.3	167.0	165.5	167.0
72.5°	172.3	158.0	152.0	146.0	143.0	142.2	139.9	137.7	139.9	139.2	139.2
75°	137.7	127.2	120.4	116.6	116.6	115.1	111.4	111.4	111.4	110.6	111.4
77.5°	106.1	97.1	94.0	90.3	90.3	88.0	87.3	87.3	85.8	88.0	86.5
80°	79.0	72.2	67.7	65.5	65.5	64.7	63.2	62.4	63.2	62.4	62.4
82.5°	51.2	48.2	45.9	43.6	42.9	43.6	42.9	41.4	42.1	41.4	42.9
85°	29.3	26.3	26.3	24.8	25.6	24.1	24.8	23.3	22.6	24.8	23.3
87.5°	12.8	12.0	12.0	10.5	10.5	10.5	9.8	10.5	9.8	9.0	9.8
90°	6.1	6.5	6.8	7.2	7.4	7.5	7.8	8.0	8.3	8.5	8.3
92.5°	6.1	6.5	6.8	7.2	7.4	7.4	7.5	7.6	7.7	7.8	7.7
95°	6.1	6.5	6.8	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.3
100°	49.8	38.1	26.4	14.7	8.8	8.6	8.3	8.0	7.7	7.4	7.7
102.5°	82.9	83.1	83.2	83.4	83.5	80.2	73.6	66.9	60.3	53.7	60.3
105°	105.4	105.4	105.4	105.4	105.4	105.4	105.3	105.2	105.1	105.0	105.1
107.5°	128.8	128.9	129.0	129.1	129.1	128.9	128.6	128.3	128.0	127.7	128.0
110°	151.9	151.6	151.4	151.1	151.0	151.0	151.1	151.2	151.2	151.3	151.2

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	174.4	174.1	173.8	173.5	173.3	173.2	173.1	172.9	172.8	172.6	172.8
115°	197.0	196.7	196.4	196.1	195.9	195.7	195.2	194.7	194.3	193.8	194.3
117.5°	219.1	218.7	218.2	217.7	217.5	217.4	217.3	217.1	217.0	216.8	217.0
120°	239.9	239.8	239.6	239.5	239.4	239.2	238.8	238.4	238.0	237.6	238.0
122.5°	260.1	259.9	259.8	259.6	259.5	259.3	258.8	258.3	257.9	257.4	257.9
125°	279.8	279.4	279.1	278.8	278.6	278.5	278.3	278.0	277.8	277.6	277.8
127.5°	297.5	297.4	297.2	297.1	297.0	296.7	296.1	295.4	294.8	294.2	294.8
130°	315.2	315.0	314.7	314.5	314.4	314.2	313.8	313.4	313.0	312.6	313.0
132.5°	331.3	331.3	331.3	331.3	331.3	331.1	330.7	330.4	330.0	329.6	330.0
135°	347.4	347.3	347.1	347.0	346.9	346.7	346.2	345.7	345.3	344.8	345.3
137.5°	362.4	362.4	362.4	362.4	362.4	362.2	361.8	361.5	361.1	360.7	361.1
140°	376.1	376.2	376.4	376.5	376.6	376.4	375.9	375.4	375.0	374.5	375.0
142.5°	389.7	389.7	389.7	389.7	389.7	389.5	389.0	388.5	388.1	387.6	388.1
145°	402.2	402.2	402.3	402.4	402.4	402.2	401.7	401.2	400.8	400.3	400.8
147.5°	413.1	413.2	413.3	413.4	413.4	413.1	412.6	412.0	411.5	410.9	411.5
150°	423.5	423.6	423.8	423.9	424.0	423.7	423.0	422.4	421.7	421.1	421.7
152.5°	432.7	432.8	433.0	433.1	433.2	432.9	432.4	431.8	431.3	430.7	431.3
155°	440.8	441.1	441.3	441.6	441.7	441.4	440.7	440.1	439.4	438.8	439.4
157.5°	447.9	448.1	448.4	448.6	448.7	448.4	447.8	447.1	446.5	445.9	446.5
160°	454.3	454.6	454.9	455.2	455.4	455.1	454.5	453.8	453.2	452.6	453.2
162.5°	460.2	460.6	461.1	461.6	461.8	461.4	460.7	460.0	459.3	458.6	459.3
165°	465.1	465.6	466.1	466.6	466.8	466.5	465.8	465.2	464.5	463.9	464.5
167.5°	469.1	469.6	470.2	470.7	471.0	470.6	469.9	469.2	468.5	467.8	468.5
170°	472.0	472.6	473.3	473.9	474.2	473.8	473.1	472.4	471.7	471.0	471.7
172.5°	474.4	474.9	475.5	476.0	476.3	475.9	475.2	474.5	473.8	473.1	473.8
175°	475.8	476.5	477.1	477.8	478.1	477.7	477.0	476.3	475.6	474.9	475.6
177.5°	476.9	477.4	478.0	478.5	478.8	478.5	477.9	477.2	476.6	476.0	476.6
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	948.7	943.5	945.0	943.5	939.7	937.5	931.4	923.9	920.9	917.1	914.9
5°	1024.7	1021.0	1020.2	1014.2	1012.7	1003.7	988.6	981.1	972.1	963.0	954.0
7.5°	1107.5	1103.0	1087.9	1085.7	1087.2	1075.9	1056.3	1041.3	1022.5	1009.7	992.4
10°	1176.0	1166.9	1154.1	1154.9	1149.6	1134.6	1115.0	1099.2	1072.1	1055.6	1030.8
12.5°	1217.3	1209.8	1208.3	1200.8	1196.3	1176.7	1153.4	1133.1	1112.8	1090.2	1071.4
15°	1267.7	1258.0	1251.2	1240.7	1237.7	1217.3	1191.8	1168.4	1145.1	1124.0	1084.2
17.5°	1323.4	1312.9	1287.3	1285.1	1267.0	1247.4	1222.6	1188.0	1163.2	1133.1	1103.7
20°	1386.6	1371.6	1338.5	1330.2	1315.9	1283.5	1249.7	1211.3	1171.4	1140.6	1106.0
22.5°	1457.3	1431.0	1406.9	1380.6	1370.1	1330.2	1283.5	1236.9	1188.8	1146.6	1105.2
25°	1549.1	1514.5	1480.7	1454.3	1436.3	1384.4	1321.9	1260.2	1204.6	1149.6	1095.5
27.5°	1621.4	1591.3	1554.4	1519.8	1496.5	1434.8	1363.3	1283.5	1214.3	1147.4	1089.4
30°	1626.6	1617.6	1595.0	1576.2	1550.6	1484.4	1405.4	1315.1	1229.4	1148.1	1077.4
32.5°	1528.1	1546.1	1555.9	1558.9	1553.7	1515.3	1443.1	1343.7	1242.9	1141.4	1066.9
35°	1315.9	1364.1	1423.5	1446.1	1467.9	1488.2	1450.6	1364.1	1247.4	1139.8	1050.3
37.5°	1083.4	1127.1	1225.6	1270.8	1296.3	1376.8	1407.7	1361.0	1256.5	1141.4	1034.5
40°	874.3	943.5	1014.2	1075.1	1115.0	1205.3	1300.9	1311.4	1243.7	1127.1	1014.2
42.5°	735.8	776.4	829.9	886.3	921.7	1028.5	1157.9	1233.9	1203.8	1103.7	989.4
45°	626.7	656.8	707.2	726.0	771.2	873.5	1010.4	1120.3	1135.3	1066.9	960.8
47.5°	537.9	563.5	595.9	619.2	655.3	732.1	847.9	969.1	1041.3	1016.5	920.9
50°	474.0	495.1	522.1	535.7	559.0	628.2	715.5	835.9	932.9	941.2	869.0
52.5°	420.6	432.6	453.7	468.7	487.5	529.7	608.7	708.0	817.1	862.2	805.0
55°	373.9	383.7	402.5	412.3	422.1	458.2	519.9	610.2	712.5	771.9	739.6
57.5°	331.8	340.1	355.9	364.9	370.2	404.8	452.2	522.9	614.7	686.9	668.9
60°	297.2	304.7	313.7	320.5	326.5	355.1	388.2	445.4	527.4	597.4	592.9
62.5°	260.3	267.1	276.9	283.6	288.9	307.0	334.8	378.4	448.4	513.1	525.9
65°	228.0	233.2	240.0	243.0	249.8	263.3	285.9	325.0	382.2	440.1	449.2
67.5°	198.6	200.1	204.6	211.4	212.9	225.0	245.3	274.6	319.0	366.4	380.7
70°	167.0	169.3	173.0	178.3	181.3	188.8	206.2	225.7	264.1	305.5	316.0
72.5°	139.2	142.2	143.7	146.7	148.2	160.3	167.8	187.3	213.7	248.3	259.6
75°	112.9	115.9	116.6	118.1	119.6	124.9	135.4	147.5	169.3	191.9	206.9
77.5°	89.5	88.8	90.3	92.5	91.8	96.3	103.1	113.6	127.9	146.7	156.5
80°	63.2	63.2	65.5	67.7	67.0	71.5	73.7	81.3	93.3	105.3	109.1
82.5°	42.1	42.1	44.4	44.4	45.9	46.6	49.7	53.4	63.2	69.2	71.5
85°	24.1	24.1	24.8	24.8	24.8	26.3	28.6	30.1	33.1	36.9	38.4
87.5°	9.8	10.5	10.5	10.5	10.5	12.0	12.0	13.5	14.3	15.8	15.8
90°	8.0	7.8	7.5	7.4	7.2	6.8	6.5	6.1	5.7	5.1	4.6
92.5°	7.6	7.5	7.4	7.4	7.2	6.8	6.5	6.1	5.7	5.2	4.7
95°	7.4	7.4	7.4	7.4	7.2	6.8	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	13.9	21.3
100°	8.0	8.3	8.6	8.8	14.7	26.4	38.1	49.8	61.5	61.2	60.9
102.5°	66.9	73.6	80.2	83.5	83.4	83.2	83.1	82.9	82.7	82.5	82.4
105°	105.2	105.3	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
107.5°	128.3	128.6	128.9	129.1	129.1	129.0	128.9	128.8	128.7	128.5	128.4
110°	151.2	151.1	151.0	151.0	151.1	151.4	151.6	151.9	152.1	151.9	151.7

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	172.9	173.1	173.2	173.3	173.5	173.8	174.1	174.4	174.7	174.6	174.5
115°	194.7	195.2	195.7	195.9	196.1	196.4	196.7	197.0	197.3	197.2	197.2
117.5°	217.1	217.3	217.4	217.5	217.7	218.2	218.7	219.1	219.6	219.3	219.0
120°	238.4	238.8	239.2	239.4	239.5	239.6	239.8	239.9	240.1	239.9	239.6
122.5°	258.3	258.8	259.3	259.5	259.6	259.8	259.9	260.1	260.3	260.2	260.1
125°	278.0	278.3	278.5	278.6	278.8	279.1	279.4	279.8	280.1	280.1	280.1
127.5°	295.4	296.1	296.7	297.0	297.1	297.2	297.4	297.5	297.7	297.8	297.9
130°	313.4	313.8	314.2	314.4	314.5	314.7	315.0	315.2	315.4	315.3	315.3
132.5°	330.4	330.7	331.1	331.3	331.3	331.3	331.3	331.3	331.3	331.5	331.8
135°	345.7	346.2	346.7	346.9	347.0	347.1	347.3	347.4	347.6	347.8	347.9
137.5°	361.5	361.8	362.2	362.4	362.4	362.4	362.4	362.4	362.4	362.6	362.8
140°	375.4	375.9	376.4	376.6	376.5	376.4	376.2	376.1	375.9	376.0	376.0
142.5°	388.5	389.0	389.5	389.7	389.7	389.7	389.7	389.7	389.7	389.5	389.4
145°	401.2	401.7	402.2	402.4	402.4	402.3	402.2	402.2	402.1	402.1	402.1
147.5°	412.0	412.6	413.1	413.4	413.4	413.3	413.2	413.1	413.0	412.9	412.9
150°	422.4	423.0	423.7	424.0	423.9	423.8	423.6	423.5	423.3	423.1	423.0
152.5°	431.8	432.4	432.9	433.2	433.1	433.0	432.8	432.7	432.5	432.3	432.2
155°	440.1	440.7	441.4	441.7	441.6	441.3	441.1	440.8	440.6	440.4	440.3
157.5°	447.1	447.8	448.4	448.7	448.6	448.4	448.1	447.9	447.7	447.7	447.7
160°	453.8	454.5	455.1	455.4	455.2	454.9	454.6	454.3	454.0	453.9	453.9
162.5°	460.0	460.7	461.4	461.8	461.6	461.1	460.6	460.2	459.7	459.6	459.5
165°	465.2	465.8	466.5	466.8	466.6	466.1	465.6	465.1	464.6	464.5	464.5
167.5°	469.2	469.9	470.6	471.0	470.7	470.2	469.6	469.1	468.5	468.4	468.4
170°	472.4	473.1	473.8	474.2	473.9	473.3	472.6	472.0	471.4	471.3	471.2
172.5°	474.5	475.2	475.9	476.3	476.0	475.5	474.9	474.4	473.8	473.6	473.5
175°	476.3	477.0	477.7	478.1	477.8	477.1	476.5	475.8	475.2	475.1	475.1
177.5°	477.2	477.9	478.5	478.8	478.5	478.0	477.4	476.9	476.3	476.2	476.2
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	911.9	908.1	903.6	903.6	898.3	896.1	891.6	890.1	886.3	880.3	875.8
5°	944.2	934.4	928.4	923.2	911.9	903.6	895.3	886.3	877.3	866.7	854.7
7.5°	975.8	957.8	949.5	940.5	923.9	906.6	890.1	878.0	866.0	849.4	834.4
10°	1008.9	986.4	971.3	959.3	933.7	911.9	887.8	870.5	851.7	830.6	811.1
12.5°	1036.8	1007.4	994.6	972.1	942.7	916.4	886.3	860.0	835.1	810.3	786.2
15°	1060.1	1032.3	1000.7	991.6	951.0	913.4	879.5	845.7	814.8	790.0	762.2
17.5°	1067.6	1032.3	1016.5	994.6	946.5	907.4	864.5	827.6	798.3	761.4	739.6
20°	1069.9	1036.0	1014.2	993.9	951.0	899.1	857.0	811.8	776.4	739.6	705.0
22.5°	1063.9	1024.0	1002.9	983.4	935.2	890.8	841.9	792.2	750.9	717.0	682.4
25°	1052.6	1005.9	985.6	964.5	918.6	869.7	816.3	768.9	730.6	689.9	656.1
27.5°	1037.5	984.1	960.8	939.0	893.8	847.9	797.5	748.6	705.7	662.8	631.2
30°	1018.7	957.0	936.0	907.4	863.7	820.1	774.2	725.3	677.1	636.5	601.9
32.5°	994.6	929.9	902.1	875.0	827.6	787.7	744.1	698.2	651.6	611.7	575.6
35°	972.8	899.1	868.2	841.2	788.5	746.4	710.2	667.4	626.0	584.6	552.2
37.5°	943.5	868.2	831.4	803.5	750.1	707.2	673.4	640.3	596.6	556.8	526.7
40°	912.6	829.9	795.3	767.4	711.7	665.1	632.7	603.4	568.0	531.2	499.6
42.5°	884.8	793.0	756.1	722.3	665.9	624.5	591.4	568.8	536.4	503.3	474.7
45°	849.4	753.9	714.0	678.6	624.5	579.3	547.7	529.7	505.6	473.2	448.4
47.5°	813.3	711.7	670.4	635.8	577.1	537.2	506.3	489.0	472.5	446.9	422.1
50°	765.9	667.4	629.7	589.9	531.9	491.3	465.7	448.4	435.6	417.6	396.5
52.5°	714.0	621.5	580.8	546.2	489.0	452.2	422.8	413.1	400.3	386.7	368.7
55°	659.1	571.8	532.7	498.8	446.2	408.5	384.5	373.9	364.1	353.6	341.6
57.5°	604.2	519.9	483.0	452.9	404.0	367.9	348.3	334.1	327.3	321.3	311.5
60°	535.7	464.2	435.6	408.5	360.4	327.3	308.5	297.9	291.9	288.9	284.4
62.5°	475.5	416.8	385.2	358.9	320.5	291.2	273.1	264.8	259.6	258.1	252.8
65°	411.5	361.1	336.3	313.7	280.6	254.3	239.3	229.5	225.7	225.0	225.0
67.5°	351.4	310.7	285.9	270.1	241.5	218.2	203.9	200.1	197.9	194.9	194.1
70°	294.9	262.6	240.8	227.2	201.6	184.3	173.0	167.0	167.0	164.8	163.3
72.5°	245.3	212.9	198.6	187.3	166.3	151.2	143.0	141.4	136.2	135.4	135.4
75°	191.9	167.8	158.0	148.2	132.4	121.9	115.1	111.4	108.3	108.3	109.1
77.5°	144.5	127.9	118.9	111.4	100.1	93.3	88.0	86.5	83.5	83.5	83.5
80°	102.3	93.3	86.5	80.5	72.2	66.2	63.2	60.2	60.2	59.4	60.2
82.5°	66.2	58.7	54.9	54.2	46.6	44.4	40.6	41.4	39.1	38.4	39.9
85°	38.4	34.6	30.1	28.6	25.6	22.6	21.1	21.8	21.1	20.3	21.1
87.5°	15.0	12.8	12.0	12.0	9.8	9.0	8.3	9.0	7.5	7.5	8.3
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°	4.2	3.7	3.5	3.9	4.6	5.3	6.0	6.7	6.0	5.3	4.6
95°	14.6	17.6	19.1	19.2	19.5	19.7	20.0	20.2	20.0	19.7	19.5
97.5°	28.8	36.3	40.0	39.8	39.3	38.8	38.3	37.8	38.3	38.8	39.3
100°	60.6	60.3	60.1	60.0	59.8	59.5	59.3	59.1	59.3	59.5	59.8
102.5°	82.2	82.1	82.0	81.8	81.5	81.2	80.9	80.6	80.9	81.2	81.5
105°	105.4	105.4	105.4	105.2	104.9	104.6	104.3	104.0	104.3	104.6	104.9
107.5°	128.2	128.1	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
110°	151.6	151.4	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	174.4	174.3	174.3	174.2	174.0	173.7	173.5	173.3	173.5	173.7	174.0
115°	197.1	197.0	197.0	196.8	196.4	196.0	195.6	195.2	195.6	196.0	196.4
117.5°	218.7	218.4	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2
120°	239.4	239.1	239.0	239.0	239.1	239.2	239.3	239.4	239.3	239.2	239.1
122.5°	260.0	259.9	259.9	259.7	259.3	258.9	258.5	258.1	258.5	258.9	259.3
125°	280.1	280.1	280.1	279.8	279.3	278.7	278.2	277.6	278.2	278.7	279.3
127.5°	298.0	298.1	298.1	297.9	297.5	297.1	296.7	296.3	296.7	297.1	297.5
130°	315.2	315.1	315.1	314.9	314.5	314.1	313.7	313.3	313.7	314.1	314.5
132.5°	332.0	332.3	332.4	332.2	331.7	331.2	330.8	330.3	330.8	331.2	331.7
135°	348.1	348.2	348.3	348.1	347.6	347.1	346.7	346.2	346.7	347.1	347.6
137.5°	362.9	363.1	363.2	363.0	362.5	362.0	361.5	361.0	361.5	362.0	362.5
140°	376.1	376.2	376.2	376.1	376.0	375.8	375.7	375.5	375.7	375.8	376.0
142.5°	389.2	389.1	389.0	389.0	388.9	388.8	388.7	388.6	388.7	388.8	388.9
145°	402.1	402.1	402.1	402.0	401.8	401.7	401.5	401.3	401.5	401.7	401.8
147.5°	412.8	412.7	412.7	412.7	412.7	412.7	412.7	412.7	412.7	412.7	412.7
150°	422.8	422.7	422.6	422.7	422.8	423.0	423.1	423.3	423.1	423.0	422.8
152.5°	432.0	431.9	431.8	432.0	432.4	432.7	433.1	433.5	433.1	432.7	432.4
155°	440.1	440.0	439.9	440.1	440.6	441.1	441.5	442.0	441.5	441.1	440.6
157.5°	447.7	447.7	447.7	447.8	448.0	448.3	448.5	448.7	448.5	448.3	448.0
160°	453.8	453.7	453.7	453.9	454.4	454.9	455.3	455.8	455.3	454.9	454.4
162.5°	459.4	459.3	459.3	459.5	460.0	460.5	461.0	461.5	461.0	460.5	460.0
165°	464.4	464.3	464.3	464.5	465.0	465.5	465.9	466.4	465.9	465.5	465.0
167.5°	468.3	468.2	468.2	468.4	468.9	469.4	469.8	470.3	469.8	469.4	468.9
170°	471.1	471.0	471.0	471.3	471.8	472.4	472.9	473.5	472.9	472.4	471.8
172.5°	473.3	473.2	473.1	473.4	473.9	474.5	475.0	475.6	475.0	474.5	473.9
175°	475.0	474.9	474.9	475.1	475.6	476.1	476.5	477.0	476.5	476.1	475.6
177.5°	476.1	476.0	476.0	476.2	476.7	477.2	477.6	478.1	477.6	477.2	476.7
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	874.3	872.8	869.0	866.7	859.2	850.2	847.2	839.6	842.7	837.4	837.4
5°	850.9	844.2	839.6	832.9	818.6	808.8	798.3	793.0	790.0	786.2	783.2
7.5°	820.8	815.6	811.1	798.3	782.5	768.9	756.1	750.9	741.1	734.3	731.3
10°	794.5	787.0	776.4	761.4	744.9	727.5	716.3	705.0	697.5	693.7	685.4
12.5°	767.4	758.4	747.1	725.3	707.2	696.7	676.4	665.9	662.1	659.1	649.3
15°	739.6	729.8	716.3	695.9	680.1	655.3	643.3	635.0	626.0	625.2	617.7
17.5°	714.8	702.7	691.4	666.6	647.0	625.2	618.5	609.4	601.1	592.1	588.4
20°	683.2	671.9	663.6	636.5	614.7	601.1	589.9	582.3	577.1	568.0	566.5
22.5°	654.6	642.5	631.2	610.9	592.1	574.8	561.3	553.0	550.7	547.0	540.2
25°	626.7	614.7	601.1	582.3	562.8	550.7	538.7	533.4	528.9	522.9	517.6
27.5°	603.4	592.1	579.3	556.0	539.5	530.4	517.6	511.6	505.6	502.6	500.3
30°	575.6	562.8	553.0	534.9	516.9	504.8	495.8	490.5	485.3	482.3	480.8
32.5°	548.5	536.4	529.7	510.1	495.8	481.5	474.7	471.0	468.0	465.0	462.0
35°	526.7	514.6	504.1	486.0	471.7	462.0	456.7	450.7	448.4	445.4	445.4
37.5°	499.6	490.5	480.0	462.7	449.9	442.4	437.9	430.4	429.6	428.1	425.8
40°	476.3	467.2	457.4	442.4	431.1	422.1	416.1	412.3	410.0	408.5	407.0
42.5°	451.4	441.6	437.1	419.8	410.0	401.0	398.0	394.2	393.5	390.5	386.7
45°	427.3	419.1	410.0	397.3	389.0	381.5	376.9	373.9	370.2	369.4	367.2
47.5°	406.3	396.5	388.2	376.2	367.2	361.1	357.4	353.6	350.6	348.3	346.1
50°	379.2	371.7	364.9	352.1	344.6	338.6	333.3	330.3	327.3	327.3	327.3
52.5°	352.9	346.1	340.1	331.0	322.0	316.7	310.7	308.5	307.0	304.7	307.0
55°	327.3	320.5	314.5	307.7	297.2	292.7	286.7	284.4	285.1	285.1	287.4
57.5°	300.2	294.9	291.2	282.9	273.1	268.6	264.8	262.6	262.6	265.6	266.3
60°	273.9	268.6	261.8	254.3	248.3	243.0	240.8	241.5	241.5	243.0	246.8
62.5°	244.5	241.5	237.8	227.2	223.5	219.7	216.7	218.9	218.2	222.0	227.2
65°	217.4	214.4	209.2	203.9	199.4	195.6	194.9	195.6	197.1	200.9	206.9
67.5°	187.3	187.3	182.8	178.3	174.6	170.8	171.5	172.3	173.8	178.3	187.3
70°	162.5	159.5	155.0	152.0	149.0	147.5	146.0	149.0	153.5	156.5	163.3
72.5°	135.4	133.2	129.4	126.4	125.6	124.1	123.4	124.9	129.4	134.7	142.2
75°	106.8	107.6	105.3	103.1	103.1	100.8	102.3	102.3	106.8	112.1	118.1
77.5°	82.8	82.0	81.3	79.8	79.0	79.0	79.0	80.5	85.0	88.0	94.0
80°	58.7	59.4	57.2	57.9	57.2	57.9	57.9	60.9	63.2	67.0	71.5
82.5°	39.1	39.1	37.6	38.4	38.4	38.4	39.1	40.6	43.6	46.6	49.7
85°	21.8	22.6	21.1	22.6	22.6	22.6	23.3	24.1	26.3	27.1	30.1
87.5°	8.3	9.8	9.8	8.3	9.0	9.8	10.5	9.8	11.3	12.8	13.5
90°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.8	7.2
92.5°	3.9	3.5	3.7	4.2	4.7	5.2	5.7	6.1	6.5	6.8	7.2
95°	19.2	19.1	17.6	14.6	11.7	8.7	5.7	6.1	6.5	6.8	7.2
97.5°	39.8	40.0	36.3	28.8	21.3	13.9	6.4	6.6	6.7	6.9	7.0
100°	60.0	60.1	60.3	60.6	60.9	61.2	61.5	49.8	38.1	26.4	14.7
102.5°	81.8	82.0	82.1	82.2	82.4	82.5	82.7	82.9	83.1	83.2	83.4
105°	105.2	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
107.5°	128.0	128.0	128.1	128.2	128.4	128.5	128.7	128.8	128.9	129.0	129.1
110°	151.3	151.3	151.4	151.6	151.7	151.9	152.1	151.9	151.6	151.4	151.1

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	174.2	174.3	174.3	174.4	174.5	174.6	174.7	174.4	174.1	173.8	173.5
115°	196.8	197.0	197.0	197.1	197.2	197.2	197.3	197.0	196.7	196.4	196.1
117.5°	218.2	218.2	218.4	218.7	219.0	219.3	219.6	219.1	218.7	218.2	217.7
120°	239.0	239.0	239.1	239.4	239.6	239.9	240.1	239.9	239.8	239.6	239.5
122.5°	259.7	259.9	259.9	260.0	260.1	260.2	260.3	260.1	259.9	259.8	259.6
125°	279.8	280.1	280.1	280.1	280.1	280.1	280.1	279.8	279.4	279.1	278.8
127.5°	297.9	298.1	298.1	298.0	297.9	297.8	297.7	297.5	297.4	297.2	297.1
130°	314.9	315.1	315.1	315.2	315.3	315.3	315.4	315.2	315.0	314.7	314.5
132.5°	332.2	332.4	332.3	332.0	331.8	331.5	331.3	331.3	331.3	331.3	331.3
135°	348.1	348.3	348.2	348.1	347.9	347.8	347.6	347.4	347.3	347.1	347.0
137.5°	363.0	363.2	363.1	362.9	362.8	362.6	362.4	362.4	362.4	362.4	362.4
140°	376.1	376.2	376.2	376.1	376.0	376.0	375.9	376.1	376.2	376.4	376.5
142.5°	389.0	389.0	389.1	389.2	389.4	389.5	389.7	389.7	389.7	389.7	389.7
145°	402.0	402.1	402.1	402.1	402.1	402.1	402.1	402.2	402.2	402.3	402.4
147.5°	412.7	412.7	412.7	412.8	412.9	412.9	413.0	413.1	413.2	413.3	413.4
150°	422.7	422.6	422.7	422.8	423.0	423.1	423.3	423.5	423.6	423.8	423.9
152.5°	432.0	431.8	431.9	432.0	432.2	432.3	432.5	432.7	432.8	433.0	433.1
155°	440.1	439.9	440.0	440.1	440.3	440.4	440.6	440.8	441.1	441.3	441.6
157.5°	447.8	447.7	447.7	447.7	447.7	447.7	447.7	447.9	448.1	448.4	448.6
160°	453.9	453.7	453.7	453.8	453.9	453.9	454.0	454.3	454.6	454.9	455.2
162.5°	459.5	459.3	459.3	459.4	459.5	459.6	459.7	460.2	460.6	461.1	461.6
165°	464.5	464.3	464.3	464.4	464.5	464.5	464.6	465.1	465.6	466.1	466.6
167.5°	468.4	468.2	468.2	468.3	468.4	468.4	468.5	469.1	469.6	470.2	470.7
170°	471.3	471.0	471.0	471.1	471.2	471.3	471.4	472.0	472.6	473.3	473.9
172.5°	473.4	473.1	473.2	473.3	473.5	473.6	473.8	474.4	474.9	475.5	476.0
175°	475.1	474.9	474.9	475.0	475.1	475.1	475.2	475.8	476.5	477.1	477.8
177.5°	476.2	476.0	476.0	476.1	476.2	476.2	476.3	476.9	477.4	478.0	478.5
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	840.4	835.1	834.4	835.9	832.9	837.4	835.9	837.4	833.6	837.4	835.1
5°	782.5	781.0	778.0	774.2	774.9	775.7	779.5	775.7	778.7	779.5	783.2
7.5°	728.3	725.3	727.5	726.0	719.3	717.8	719.3	721.5	726.0	729.1	731.3
10°	684.7	683.2	680.1	677.9	674.1	671.9	674.9	671.9	677.9	683.2	683.2
12.5°	651.6	645.5	641.8	641.0	632.7	634.3	637.3	639.5	646.3	649.3	649.3
15°	616.9	612.4	610.9	607.9	604.9	607.9	606.4	608.7	611.7	614.7	616.2
17.5°	586.9	586.1	586.9	579.3	581.6	577.8	578.6	582.3	580.1	582.3	586.9
20°	559.8	561.3	559.0	556.0	556.0	551.5	556.8	555.3	556.0	560.5	567.3
22.5°	539.5	538.7	536.4	534.2	531.2	531.9	532.7	531.2	537.2	541.0	541.7
25°	517.6	516.1	515.4	513.1	510.1	513.1	512.4	513.1	514.6	520.6	516.1
27.5°	497.3	494.3	495.8	493.6	492.8	493.6	493.6	494.3	495.8	496.6	497.3
30°	480.0	477.0	476.3	474.7	474.0	474.7	476.3	474.7	480.8	480.0	480.0
32.5°	461.2	458.9	457.4	457.4	456.7	455.9	456.7	457.4	462.0	458.9	462.0
35°	443.1	441.6	441.6	440.1	439.4	439.4	439.4	442.4	440.9	443.1	443.1
37.5°	425.8	425.8	425.1	423.6	422.8	423.6	422.8	424.3	423.6	424.3	425.1
40°	407.8	406.3	405.5	405.5	403.3	401.0	403.3	403.3	404.0	406.3	407.0
42.5°	386.0	386.7	386.7	383.7	383.7	383.7	384.5	385.2	385.2	386.7	386.7
45°	367.2	365.7	365.7	365.7	364.1	364.9	366.4	366.4	366.4	366.4	364.9
47.5°	346.1	346.1	346.8	346.8	349.1	348.3	348.3	347.6	346.1	346.1	346.8
50°	326.5	328.8	329.5	329.5	330.3	331.0	331.0	329.5	328.8	326.5	326.5
52.5°	307.7	309.2	310.7	313.0	314.5	313.7	313.7	312.2	309.2	308.5	307.7
55°	287.4	289.7	292.7	294.9	297.2	297.9	297.9	294.9	291.9	288.2	288.2
57.5°	268.6	270.9	276.1	278.4	281.4	281.4	279.9	277.6	273.1	270.1	267.8
60°	249.8	253.5	257.3	261.8	265.6	266.3	264.1	261.1	255.8	252.0	249.0
62.5°	229.5	233.2	240.8	245.3	248.3	248.3	248.3	244.5	237.8	232.5	228.0
65°	209.9	213.7	220.4	226.5	228.7	231.0	228.7	225.0	219.7	213.7	209.2
67.5°	189.6	194.1	200.9	205.4	208.4	210.7	209.2	206.2	199.4	191.1	188.1
70°	167.0	169.3	179.1	183.6	188.1	189.6	188.1	183.6	176.8	167.8	164.8
72.5°	146.0	148.2	157.2	161.0	164.8	166.3	164.0	161.0	155.0	146.7	143.0
75°	121.9	125.6	130.2	136.2	140.7	142.2	139.9	137.7	130.2	124.9	121.9
77.5°	96.3	100.1	106.1	111.4	115.9	115.1	112.1	112.9	104.6	98.6	96.3
80°	73.0	76.0	80.5	85.0	87.3	87.3	86.5	83.5	80.5	76.0	72.2
82.5°	50.4	54.2	57.9	60.9	60.9	61.7	60.2	59.4	56.4	52.7	51.9
85°	30.1	30.8	33.9	33.9	36.9	35.4	34.6	36.9	33.9	31.6	30.8
87.5°	13.5	12.8	13.5	13.5	12.8	14.3	14.3	13.5	14.3	13.5	13.5
90°	7.4	7.5	7.8	8.0	8.3	8.5	8.3	8.0	7.8	7.5	7.4
92.5°	7.4	7.4	7.5	7.6	7.7	7.8	7.7	7.6	7.5	7.4	7.4
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	7.1	7.1	7.2	7.3	7.3	7.4	7.3	7.3	7.2	7.1	7.1
100°	8.8	8.6	8.3	8.0	7.7	7.4	7.7	8.0	8.3	8.6	8.8
102.5°	83.5	80.2	73.6	66.9	60.3	53.7	60.3	66.9	73.6	80.2	83.5
105°	105.4	105.4	105.3	105.2	105.1	105.0	105.1	105.2	105.3	105.4	105.4
107.5°	129.1	128.9	128.6	128.3	128.0	127.7	128.0	128.3	128.6	128.9	129.1
110°	151.0	151.0	151.1	151.2	151.2	151.3	151.2	151.2	151.1	151.0	151.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	173.3	173.2	173.1	172.9	172.8	172.6	172.8	172.9	173.1	173.2	173.3
115°	195.9	195.7	195.2	194.7	194.3	193.8	194.3	194.7	195.2	195.7	195.9
117.5°	217.5	217.4	217.3	217.1	217.0	216.8	217.0	217.1	217.3	217.4	217.5
120°	239.4	239.2	238.8	238.4	238.0	237.6	238.0	238.4	238.8	239.2	239.4
122.5°	259.5	259.3	258.8	258.3	257.9	257.4	257.9	258.3	258.8	259.3	259.5
125°	278.6	278.5	278.3	278.0	277.8	277.6	277.8	278.0	278.3	278.5	278.6
127.5°	297.0	296.7	296.1	295.4	294.8	294.2	294.8	295.4	296.1	296.7	297.0
130°	314.4	314.2	313.8	313.4	313.0	312.6	313.0	313.4	313.8	314.2	314.4
132.5°	331.3	331.1	330.7	330.4	330.0	329.6	330.0	330.4	330.7	331.1	331.3
135°	346.9	346.7	346.2	345.7	345.3	344.8	345.3	345.7	346.2	346.7	346.9
137.5°	362.4	362.2	361.8	361.5	361.1	360.7	361.1	361.5	361.8	362.2	362.4
140°	376.6	376.4	375.9	375.4	375.0	374.5	375.0	375.4	375.9	376.4	376.6
142.5°	389.7	389.5	389.0	388.5	388.1	387.6	388.1	388.5	389.0	389.5	389.7
145°	402.4	402.2	401.7	401.2	400.8	400.3	400.8	401.2	401.7	402.2	402.4
147.5°	413.4	413.1	412.6	412.0	411.5	410.9	411.5	412.0	412.6	413.1	413.4
150°	424.0	423.7	423.0	422.4	421.7	421.1	421.7	422.4	423.0	423.7	424.0
152.5°	433.2	432.9	432.4	431.8	431.3	430.7	431.3	431.8	432.4	432.9	433.2
155°	441.7	441.4	440.7	440.1	439.4	438.8	439.4	440.1	440.7	441.4	441.7
157.5°	448.7	448.4	447.8	447.1	446.5	445.9	446.5	447.1	447.8	448.4	448.7
160°	455.4	455.1	454.5	453.8	453.2	452.6	453.2	453.8	454.5	455.1	455.4
162.5°	461.8	461.4	460.7	460.0	459.3	458.6	459.3	460.0	460.7	461.4	461.8
165°	466.8	466.5	465.8	465.2	464.5	463.9	464.5	465.2	465.8	466.5	466.8
167.5°	471.0	470.6	469.9	469.2	468.5	467.8	468.5	469.2	469.9	470.6	471.0
170°	474.2	473.8	473.1	472.4	471.7	471.0	471.7	472.4	473.1	473.8	474.2
172.5°	476.3	475.9	475.2	474.5	473.8	473.1	473.8	474.5	475.2	475.9	476.3
175°	478.1	477.7	477.0	476.3	475.6	474.9	475.6	476.3	477.0	477.7	478.1
177.5°	478.8	478.5	477.9	477.2	476.6	476.0	476.6	477.2	477.9	478.5	478.8
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	841.9	837.4	842.7	835.9	837.4	845.7	844.9	852.4	857.0	856.2	860.0
5°	786.2	786.2	788.5	787.7	795.3	802.0	811.1	818.6	826.9	831.4	836.6
7.5°	731.3	738.8	740.3	744.1	753.1	764.4	773.4	784.7	796.8	805.0	811.1
10°	686.2	692.2	698.2	701.2	711.0	726.0	738.8	756.9	771.9	781.0	789.2
12.5°	646.3	653.1	656.1	669.6	676.4	686.2	704.2	723.8	740.3	750.1	756.9
15°	617.7	621.5	628.2	636.5	643.3	655.3	670.4	692.2	708.0	716.3	739.6
17.5°	593.6	598.1	601.9	605.7	616.2	629.0	643.3	662.1	682.4	696.7	708.7
20°	568.8	571.1	575.6	581.6	589.1	601.1	613.9	633.5	651.6	662.8	678.6
22.5°	539.5	546.2	550.7	555.3	563.5	577.1	589.1	603.4	626.0	638.8	655.3
25°	522.1	525.2	528.2	533.4	539.5	551.5	565.0	580.1	598.1	611.7	626.0
27.5°	499.6	504.1	507.9	514.6	518.4	528.2	541.0	556.0	577.8	589.1	601.1
30°	480.8	485.3	488.3	491.3	496.6	507.1	519.1	531.2	551.5	565.8	577.8
32.5°	462.0	466.5	470.2	472.5	477.8	484.5	494.3	509.4	526.7	536.4	552.2
35°	445.4	445.4	449.9	452.9	457.4	463.5	472.5	483.8	501.8	514.6	528.9
37.5°	426.6	427.3	431.1	433.4	437.9	443.9	452.9	463.5	478.5	488.3	502.6
40°	407.0	409.3	410.8	414.6	419.8	422.1	431.1	443.1	458.2	467.2	479.3
42.5°	387.5	389.0	392.7	395.7	400.3	404.0	410.0	421.3	432.6	446.2	455.9
45°	365.7	369.4	371.7	376.9	379.2	383.0	389.0	398.0	411.5	419.8	431.1
47.5°	346.8	348.3	349.9	356.6	361.1	363.4	369.4	374.7	389.0	396.5	407.0
50°	326.5	326.5	328.8	331.8	337.1	341.6	346.8	352.9	364.1	371.7	382.2
52.5°	307.7	305.5	307.0	308.5	313.7	318.3	323.5	331.8	342.3	346.8	355.9
55°	287.4	283.6	285.9	288.2	289.7	295.7	301.7	307.0	315.2	322.0	330.3
57.5°	265.6	264.8	263.3	264.1	267.8	271.6	276.1	282.9	292.7	297.9	302.5
60°	246.0	241.5	240.0	241.5	243.8	246.0	252.0	258.1	266.3	271.6	276.9
62.5°	225.7	221.2	218.2	215.9	218.2	223.5	227.2	231.7	238.5	244.5	249.0
65°	206.2	199.4	196.4	194.9	194.1	197.9	200.9	206.9	212.9	215.2	220.4
67.5°	184.3	178.3	174.6	172.3	172.3	172.3	175.3	181.3	187.3	188.1	193.4
70°	162.5	155.7	152.0	149.0	147.5	149.0	152.7	153.5	158.8	160.3	163.3
72.5°	139.2	133.2	128.7	124.9	125.6	127.2	127.2	128.7	131.7	135.4	135.4
75°	117.4	109.1	106.8	103.8	102.3	102.3	102.3	105.3	107.6	110.6	109.8
77.5°	92.5	88.0	83.5	82.0	79.8	79.0	80.5	80.5	82.0	84.3	85.0
80°	71.5	66.2	63.2	61.7	58.7	57.9	58.7	58.7	60.9	60.2	60.9
82.5°	49.7	45.9	43.6	41.4	39.9	40.6	39.9	39.9	40.6	39.9	39.9
85°	28.6	27.8	26.3	25.6	24.8	23.3	24.8	24.1	23.3	22.6	24.1
87.5°	13.5	12.8	12.8	11.3	11.3	10.5	11.3	11.3	10.5	10.5	10.5
90°	7.2	6.8	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.2	6.8	6.5	6.1	5.7	5.2	4.7	4.2	3.7	3.5	3.9
95°	7.2	6.8	6.5	6.1	5.7	8.7	11.7	14.6	17.6	19.1	19.2
97.5°	7.0	6.9	6.7	6.6	6.4	13.9	21.3	28.8	36.3	40.0	39.8
100°	14.7	26.4	38.1	49.8	61.5	61.2	60.9	60.6	60.3	60.1	60.0
102.5°	83.4	83.2	83.1	82.9	82.7	82.5	82.4	82.2	82.1	82.0	81.8
105°	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.2
107.5°	129.1	129.0	128.9	128.8	128.7	128.5	128.4	128.2	128.1	128.0	128.0
110°	151.1	151.4	151.6	151.9	152.1	151.9	151.7	151.6	151.4	151.3	151.3

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	173.5	173.8	174.1	174.4	174.7	174.6	174.5	174.4	174.3	174.3	174.2
115°	196.1	196.4	196.7	197.0	197.3	197.2	197.2	197.1	197.0	197.0	196.8
117.5°	217.7	218.2	218.7	219.1	219.6	219.3	219.0	218.7	218.4	218.2	218.2
120°	239.5	239.6	239.8	239.9	240.1	239.9	239.6	239.4	239.1	239.0	239.0
122.5°	259.6	259.8	259.9	260.1	260.3	260.2	260.1	260.0	259.9	259.9	259.7
125°	278.8	279.1	279.4	279.8	280.1	280.1	280.1	280.1	280.1	280.1	279.8
127.5°	297.1	297.2	297.4	297.5	297.7	297.8	297.9	298.0	298.1	298.1	297.9
130°	314.5	314.7	315.0	315.2	315.4	315.3	315.3	315.2	315.1	315.1	314.9
132.5°	331.3	331.3	331.3	331.3	331.3	331.5	331.8	332.0	332.3	332.4	332.2
135°	347.0	347.1	347.3	347.4	347.6	347.8	347.9	348.1	348.2	348.3	348.1
137.5°	362.4	362.4	362.4	362.4	362.4	362.6	362.8	362.9	363.1	363.2	363.0
140°	376.5	376.4	376.2	376.1	375.9	376.0	376.0	376.1	376.2	376.2	376.1
142.5°	389.7	389.7	389.7	389.7	389.7	389.5	389.4	389.2	389.1	389.0	389.0
145°	402.4	402.3	402.2	402.2	402.1	402.1	402.1	402.1	402.1	402.1	402.0
147.5°	413.4	413.3	413.2	413.1	413.0	412.9	412.9	412.8	412.7	412.7	412.7
150°	423.9	423.8	423.6	423.5	423.3	423.1	423.0	422.8	422.7	422.6	422.7
152.5°	433.1	433.0	432.8	432.7	432.5	432.3	432.2	432.0	431.9	431.8	432.0
155°	441.6	441.3	441.1	440.8	440.6	440.4	440.3	440.1	440.0	439.9	440.1
157.5°	448.6	448.4	448.1	447.9	447.7	447.7	447.7	447.7	447.7	447.7	447.8
160°	455.2	454.9	454.6	454.3	454.0	453.9	453.9	453.8	453.7	453.7	453.9
162.5°	461.6	461.1	460.6	460.2	459.7	459.6	459.5	459.4	459.3	459.3	459.5
165°	466.6	466.1	465.6	465.1	464.6	464.5	464.5	464.4	464.3	464.3	464.5
167.5°	470.7	470.2	469.6	469.1	468.5	468.4	468.4	468.3	468.2	468.2	468.4
170°	473.9	473.3	472.6	472.0	471.4	471.3	471.2	471.1	471.0	471.0	471.3
172.5°	476.0	475.5	474.9	474.4	473.8	473.6	473.5	473.3	473.2	473.1	473.4
175°	477.8	477.1	476.5	475.8	475.2	475.1	475.1	475.0	474.9	474.9	475.1
177.5°	478.5	478.0	477.4	476.9	476.3	476.2	476.2	476.1	476.0	476.0	476.2
180°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	886.3	886.3	886.3	886.3
2.5°	865.2	872.8	878.0	887.8
5°	845.7	859.2	872.0	885.5
7.5°	826.1	841.9	862.2	879.5
10°	804.3	824.6	848.7	872.0
12.5°	782.5	806.5	832.9	863.7
15°	756.1	787.0	817.8	850.9
17.5°	732.8	764.4	797.5	838.9
20°	706.5	741.1	777.2	819.3
22.5°	683.2	721.5	759.1	803.5
25°	656.8	694.4	735.8	783.2
27.5°	635.0	669.6	710.2	761.4
30°	608.7	646.3	686.9	738.1
32.5°	583.8	620.0	662.8	713.3
35°	558.3	595.1	633.5	681.7
37.5°	534.2	565.8	604.2	650.1
40°	507.1	541.7	576.3	612.4
42.5°	482.3	513.9	546.2	574.8
45°	454.4	481.5	512.4	535.7
47.5°	428.9	452.9	477.0	495.1
50°	403.3	422.1	440.1	455.9
52.5°	373.2	394.2	404.0	413.8
55°	346.1	358.1	367.2	376.9
57.5°	319.8	325.0	329.5	338.6
60°	285.1	291.2	296.4	303.2
62.5°	255.1	258.1	259.6	266.3
65°	226.5	225.7	229.5	233.2
67.5°	195.6	194.9	198.6	200.1
70°	165.5	164.8	165.5	169.3
72.5°	136.9	136.9	137.7	139.2
75°	110.6	110.6	111.4	112.9
77.5°	83.5	85.0	84.3	87.3
80°	60.9	59.4	60.9	62.4
82.5°	39.9	41.4	41.4	39.9
85°	22.6	22.6	22.6	22.6
87.5°	9.8	9.8	10.5	11.3
90°	2.3	1.6	1.0	0.4
92.5°	4.6	5.3	6.0	6.7
95°	19.5	19.7	20.0	20.2
97.5°	39.3	38.8	38.3	37.8
100°	59.8	59.5	59.3	59.1
102.5°	81.5	81.2	80.9	80.6
105°	104.9	104.6	104.3	104.0
107.5°	128.0	128.0	128.0	128.0
110°	151.3	151.3	151.3	151.3

TEST NUMBER: P1026937

CATALOG NUMBER: S125DIP-B610D375UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	174.0	173.7	173.5	173.3
115°	196.4	196.0	195.6	195.2
117.5°	218.2	218.2	218.2	218.2
120°	239.1	239.2	239.3	239.4
122.5°	259.3	258.9	258.5	258.1
125°	279.3	278.7	278.2	277.6
127.5°	297.5	297.1	296.7	296.3
130°	314.5	314.1	313.7	313.3
132.5°	331.7	331.2	330.8	330.3
135°	347.6	347.1	346.7	346.2
137.5°	362.5	362.0	361.5	361.0
140°	376.0	375.8	375.7	375.5
142.5°	388.9	388.8	388.7	388.6
145°	401.8	401.7	401.5	401.3
147.5°	412.7	412.7	412.7	412.7
150°	422.8	423.0	423.1	423.3
152.5°	432.4	432.7	433.1	433.5
155°	440.6	441.1	441.5	442.0
157.5°	448.0	448.3	448.5	448.7
160°	454.4	454.9	455.3	455.8
162.5°	460.0	460.5	461.0	461.5
165°	465.0	465.5	465.9	466.4
167.5°	468.9	469.4	469.8	470.3
170°	471.8	472.4	472.9	473.5
172.5°	473.9	474.5	475.0	475.6
175°	475.6	476.1	476.5	477.0
177.5°	476.7	477.2	477.6	478.1
180°	477.0	477.0	477.0	477.0

(END OF REPORT)