

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: P1034586

Luminaire Tested: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034586
REPORT IS A COMBINATION OF REPORTS P1003919 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K
Description: Define 5 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

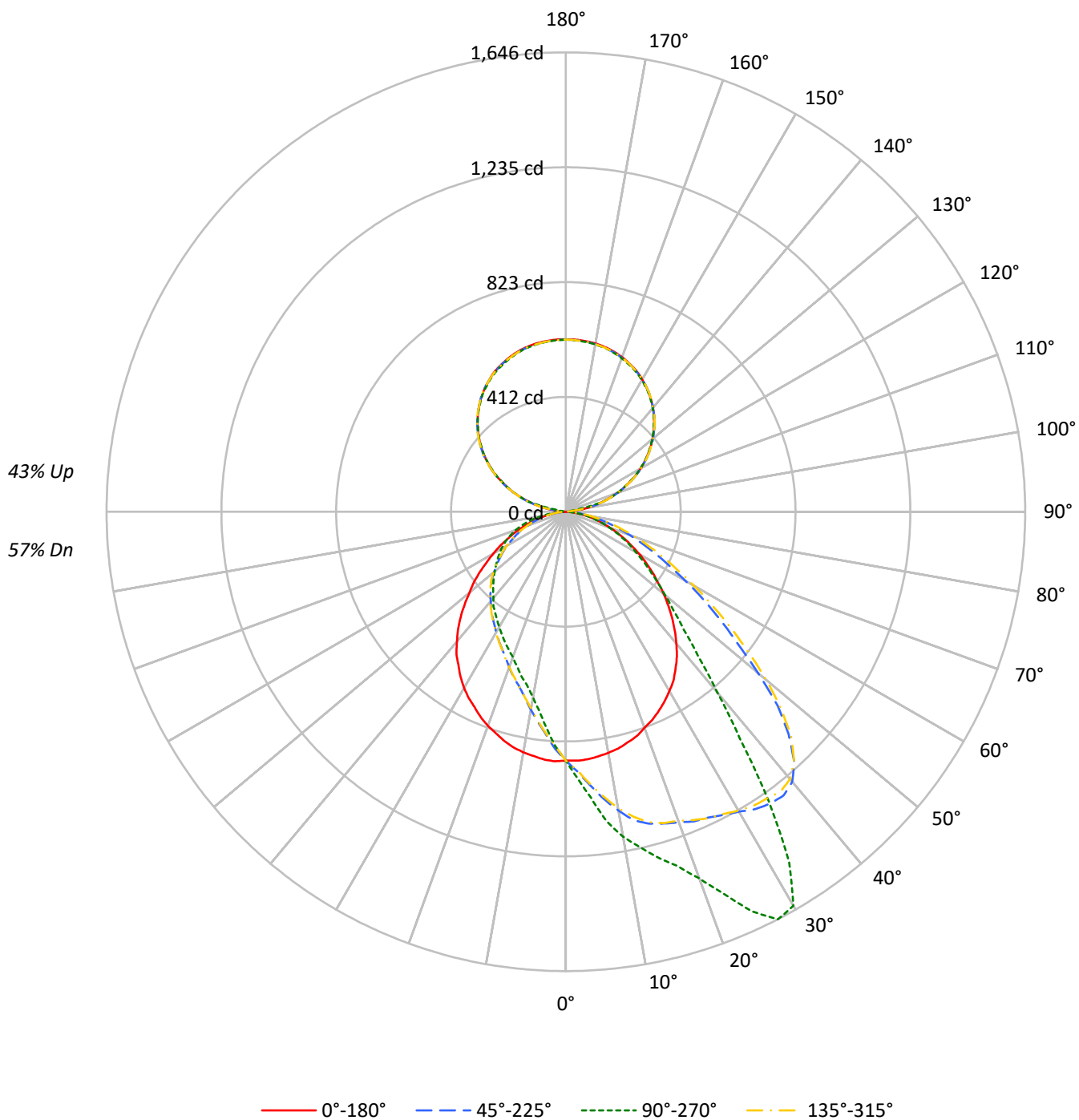
Lumens per Lamp: N/A
Luminaire Lumens: 4411.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57		
1	100	95	92	88	93	89	86	83	77	75	72	66	64	63	56	55	53	49		
2	91	84	77	72	84	78	73	68	68	64	60	58	55	53	49	47	45	41		
3	83	74	66	61	77	69	62	57	60	55	51	52	48	45	44	41	39	35		
4	76	65	57	51	71	61	54	49	53	48	44	46	42	39	39	36	34	30		
5	70	58	50	44	65	55	47	42	48	42	38	41	37	33	36	32	29	26		
6	64	52	44	38	60	49	42	37	43	37	33	38	33	29	32	29	26	23		
7	60	47	39	34	55	45	37	32	39	33	29	34	30	26	29	26	23	21		
8	55	43	35	30	52	41	33	29	36	30	26	31	27	23	27	23	21	18		
9	52	39	32	27	48	37	30	25	33	27	23	29	24	21	25	21	19	17		
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	23	20	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5711	5711	5711	5711
5°	5715	6478	5720	4914
10°	5680	7383	5670	4218
15°	5638	8006	5603	3812
20°	5567	8773	5516	3480
25°	5504	10052	5403	3283
30°	5413	10604	5319	3105
35°	5269	8501	5159	2962
40°	5045	5875	4971	2811
45°	4762	4374	4708	2685
50°	4438	3601	4364	2585
55°	4088	3072	4055	2497
60°	3745	2629	3680	2430
65°	3374	2270	3321	2331
70°	2983	1884	2945	2160
75°	2570	1458	2536	1874
80°	2029	986	1955	1378
85°	1298	494	1252	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.9
10°-20°	255.5	5.8
20°-30°	415.0	9.4
30°-40°	507.2	11.5
40°-50°	460.1	10.4
50°-60°	366.5	8.3
60°-70°	255.2	5.8
70°-80°	136.0	3.1
80°-90°	34.6	0.8
90°-100°	20.9	0.5
100°-110°	139.2	3.2
110°-120°	250.7	5.7
120°-130°	321.8	7.3
130°-140°	346.1	7.8
140°-150°	324.9	7.4
150°-160°	262.8	6.0
160°-170°	169.9	3.9
170°-180°	58.6	1.3
0°-30°	756.3	17.1
0°-40°	1263.5	28.6
0°-60°	2090.1	47.4
0°-90°	2515.9	57.0
90°-120°	410.9	9.3
90°-150°	1403.7	31.8
90°-180°	1895.0	43.0
0°-180°	4411.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	890	1028	891	780	890	85
15°	856	1284	850	611	856	241
25°	788	1580	773	516	788	363
35°	686	1268	671	442	686	428
45°	539	598	533	367	539	415
55°	379	368	376	300	379	339
65°	234	226	231	232	234	233
75°	114	111	112	143	114	121
85°	23	25	22	36	23	27
90°	0	11	0	11	0	3
95°	26	10	26	10	26	32
105°	134	136	134	136	134	142
115°	252	251	252	251	252	250
125°	359	359	359	359	359	321
135°	448	446	448	446	448	345
145°	519	518	519	518	519	325
155°	572	568	572	568	572	263
165°	603	600	603	600	603	170
175°	617	614	617	614	617	59
180°	617	617	617	617	617	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	892.8	898.1	904.1	908.7	916.2	918.5	922.3	924.5	926.8	929.1	930.6
5°	890.5	903.4	914.7	923.0	937.4	942.7	949.5	957.8	967.7	976.0	981.3
7.5°	884.4	904.9	920.0	936.7	956.3	969.2	976.0	993.4	1009.3	1021.4	1037.3
10°	876.9	901.1	924.5	949.5	977.5	991.9	1005.5	1029.7	1051.7	1071.3	1087.2
12.5°	868.6	898.1	926.1	958.6	996.4	1013.8	1022.9	1064.5	1091.8	1102.3	1133.4
15°	855.7	890.5	930.6	970.7	1002.5	1022.9	1047.9	1081.2	1108.4	1131.9	1156.8
17.5°	843.6	881.4	922.3	966.9	1013.1	1039.5	1058.5	1088.0	1117.5	1147.7	1171.2
20°	823.9	873.1	914.7	962.4	1016.9	1035.8	1055.4	1090.2	1122.0	1154.5	1184.1
22.5°	808.0	854.9	911.7	957.1	1003.2	1022.1	1046.4	1082.7	1120.5	1157.6	1200.7
25°	787.6	839.8	889.0	937.4	985.1	1005.5	1027.4	1074.4	1113.7	1161.4	1209.0
27.5°	765.7	819.4	868.6	912.4	957.1	985.1	1008.5	1057.7	1109.9	1162.1	1224.2
30°	742.2	792.9	839.8	882.9	932.1	960.9	984.3	1041.8	1100.1	1166.7	1240.8
32.5°	717.2	764.9	805.0	848.9	901.1	927.6	959.4	1022.1	1091.0	1170.4	1263.5
35°	685.5	730.9	766.4	811.1	863.3	897.3	930.6	1001.0	1081.2	1169.7	1276.4
37.5°	653.7	689.2	723.3	771.0	831.5	862.5	897.3	974.5	1066.0	1167.4	1281.7
40°	615.9	650.7	680.2	728.6	792.1	827.7	864.0	945.0	1048.6	1159.1	1262.7
42.5°	578.0	607.5	640.1	690.8	752.0	789.9	828.5	918.5	1025.9	1134.9	1210.5
45°	538.7	561.4	596.9	643.1	708.2	744.5	788.4	886.0	994.2	1091.0	1128.8
47.5°	497.8	520.5	553.8	598.5	662.8	705.9	747.5	845.1	954.1	1029.0	1029.0
50°	458.5	476.6	509.2	553.8	618.9	658.2	700.6	804.3	892.0	947.2	898.1
52.5°	416.1	436.5	463.8	510.7	575.0	610.6	656.7	745.2	828.5	851.2	775.5
55°	379.0	395.7	421.4	466.1	525.8	562.9	602.2	687.0	757.3	755.8	674.9
57.5°	340.5	354.1	381.3	422.2	477.4	510.7	550.0	623.4	680.9	660.5	584.1
60°	304.9	314.7	341.2	374.5	427.5	458.5	496.3	556.1	600.0	571.2	494.1
62.5°	267.8	279.2	300.4	332.9	379.8	404.8	432.8	493.3	521.3	495.6	416.9
65°	234.5	243.6	262.5	289.8	332.1	354.8	379.0	429.0	455.5	418.4	353.3
67.5°	201.3	211.8	225.5	249.7	283.0	304.1	325.3	368.5	380.6	347.3	292.8
70°	170.2	179.3	192.2	209.6	237.6	256.5	272.4	307.9	316.3	285.2	242.1
72.5°	140.0	146.0	156.6	171.0	196.7	207.3	223.9	248.2	258.8	230.8	199.7
75°	113.5	118.0	124.8	135.4	152.8	164.2	177.8	200.5	199.7	180.1	158.1
77.5°	87.8	88.5	96.1	105.9	116.5	126.3	133.2	149.0	150.6	138.5	120.3
80°	62.8	65.1	68.1	75.7	84.7	88.5	96.8	106.7	108.2	99.1	87.0
82.5°	40.1	41.6	43.9	48.4	54.5	59.0	63.6	67.3	71.1	65.8	56.0
85°	22.7	23.5	25.7	27.2	30.3	32.5	36.3	40.1	39.3	35.6	32.5
87.5°	11.3	11.3	11.3	12.9	14.4	14.4	15.9	16.6	17.4	15.9	14.4
90°	0.5	1.3	2.1	2.9	3.7	4.1	4.5	5.2	5.9	6.6	7.3
92.5°	8.7	7.8	6.9	6.0	5.1	4.6	4.9	5.5	6.1	6.7	7.3
95°	26.1	25.8	25.5	25.2	24.9	24.7	22.8	18.9	15.0	11.2	7.3
97.5°	48.9	49.5	50.1	50.8	51.4	51.7	46.9	37.2	27.5	17.9	8.2
100°	76.4	76.7	77.0	77.3	77.6	77.7	77.9	78.3	78.8	79.2	79.6
102.5°	104.3	104.7	105.1	105.5	105.9	106.1	106.2	106.4	106.6	106.8	107.0
105°	134.5	134.9	135.3	135.7	136.1	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.6	165.6	165.6	165.6	165.7	165.9	166.1	166.3	166.5
110°	195.7	195.7	195.7	195.7	195.7	195.7	195.8	196.0	196.2	196.4	196.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.1	224.4	224.7	225.0	225.3	225.5	225.5	225.6	225.7	225.8	225.9
115°	252.4	252.9	253.4	253.9	254.4	254.7	254.8	254.9	255.0	255.1	255.2
117.5°	282.2	282.2	282.2	282.2	282.2	282.2	282.4	282.8	283.2	283.6	284.0
120°	309.6	309.5	309.4	309.3	309.2	309.2	309.3	309.6	309.9	310.2	310.5
122.5°	333.8	334.3	334.8	335.3	335.8	336.1	336.2	336.3	336.4	336.5	336.6
125°	359.0	359.7	360.4	361.1	361.8	362.2	362.2	362.2	362.2	362.2	362.2
127.5°	383.2	383.7	384.2	384.7	385.2	385.5	385.5	385.4	385.3	385.2	385.1
130°	405.2	405.7	406.2	406.7	407.2	407.5	407.5	407.6	407.7	407.8	407.9
132.5°	427.1	427.7	428.3	429.0	429.6	429.9	429.7	429.4	429.1	428.8	428.5
135°	447.7	448.3	448.9	449.6	450.2	450.5	450.4	450.2	450.0	449.8	449.6
137.5°	466.9	467.5	468.1	468.8	469.4	469.7	469.6	469.4	469.2	469.0	468.8
140°	485.7	485.9	486.1	486.3	486.5	486.6	486.5	486.4	486.3	486.2	486.1
142.5°	502.6	502.7	502.8	502.9	503.0	503.1	503.2	503.4	503.6	503.8	504.0
145°	519.1	519.3	519.5	519.7	519.9	520.0	520.0	520.0	520.0	520.0	520.0
147.5°	533.7	533.7	533.7	533.7	533.7	533.7	533.8	533.9	534.0	534.1	534.2
150°	547.4	547.2	547.0	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4
152.5°	560.7	560.2	559.7	559.2	558.7	558.4	558.5	558.7	558.9	559.1	559.3
155°	571.7	571.1	570.5	569.8	569.2	568.9	569.0	569.2	569.4	569.6	569.8
157.5°	580.3	580.0	579.7	579.4	579.1	579.0	579.0	579.0	579.0	579.0	579.0
160°	589.5	588.9	588.3	587.6	587.0	586.7	586.8	586.9	587.0	587.1	587.2
162.5°	596.8	596.2	595.6	595.0	594.4	594.1	594.1	594.2	594.3	594.4	594.5
165°	603.2	602.6	602.0	601.4	600.8	600.5	600.5	600.6	600.7	600.8	600.9
167.5°	608.2	607.6	607.0	606.4	605.8	605.5	605.6	605.7	605.8	605.9	606.0
170°	612.4	611.7	611.0	610.3	609.6	609.2	609.2	609.3	609.4	609.5	609.6
172.5°	615.1	614.4	613.7	613.0	612.3	611.9	612.0	612.2	612.4	612.6	612.8
175°	616.9	616.3	615.7	615.1	614.5	614.2	614.2	614.3	614.4	614.5	614.6
177.5°	618.3	617.7	617.1	616.5	615.9	615.6	615.6	615.7	615.8	615.9	616.0
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	932.1	937.4	941.9	945.7	948.8	953.3	950.3	951.0	952.5	955.6	955.6
5°	992.6	1001.0	1005.5	1020.6	1024.4	1023.7	1021.4	1033.5	1032.7	1028.2	1027.4
7.5°	1051.7	1066.0	1078.9	1091.0	1094.8	1104.6	1106.9	1112.2	1110.7	1118.2	1114.5
10°	1105.4	1128.1	1140.2	1158.3	1162.9	1167.4	1173.5	1176.5	1183.3	1182.5	1182.5
12.5°	1147.0	1174.2	1190.1	1194.6	1212.0	1217.3	1222.6	1232.5	1230.2	1231.0	1235.5
15°	1179.5	1206.0	1219.6	1240.8	1252.9	1259.0	1268.0	1278.6	1277.1	1283.9	1282.4
17.5°	1203.7	1228.7	1253.7	1285.4	1286.2	1302.1	1323.3	1327.8	1337.6	1330.8	1330.8
20°	1223.4	1256.7	1292.2	1333.1	1337.6	1347.5	1373.2	1390.6	1402.0	1398.2	1400.4
22.5°	1244.6	1292.2	1333.9	1374.7	1396.7	1414.1	1439.0	1466.3	1476.1	1482.2	1480.6
25°	1271.8	1321.8	1383.0	1439.8	1462.5	1495.8	1529.1	1555.5	1563.1	1579.8	1564.6
27.5°	1299.8	1370.2	1446.6	1513.2	1541.9	1569.2	1609.3	1628.9	1638.8	1646.3	1641.0
30°	1323.3	1420.1	1503.3	1564.6	1585.0	1600.9	1623.6	1628.2	1624.4	1630.4	1638.0
32.5°	1359.6	1454.2	1524.5	1554.0	1551.8	1551.0	1533.6	1509.4	1504.1	1489.7	1509.4
35°	1379.3	1454.9	1482.2	1442.8	1426.9	1398.2	1342.9	1306.6	1274.8	1268.0	1269.6
37.5°	1367.9	1397.4	1364.9	1261.2	1235.5	1191.6	1118.2	1066.8	1043.3	1025.2	1048.6
40°	1306.6	1274.1	1184.8	1058.5	1021.4	979.8	910.9	882.9	849.6	842.8	873.9
42.5°	1205.2	1106.1	979.8	882.2	843.6	820.1	762.6	736.2	712.7	702.1	719.5
45°	1067.5	947.2	820.1	739.9	707.4	679.4	645.4	617.4	602.2	597.7	612.1
47.5°	925.3	798.2	696.8	637.0	603.0	581.8	550.0	534.1	522.0	523.6	525.8
50°	789.1	673.4	595.4	535.7	519.0	502.4	481.2	467.6	461.5	463.8	462.3
52.5°	671.8	578.0	512.2	466.1	458.5	442.6	425.2	413.9	411.6	412.3	414.6
55°	569.0	495.6	443.4	410.1	401.7	390.4	379.8	372.2	366.2	368.5	367.7
57.5°	491.0	426.7	386.6	359.4	353.3	346.5	336.7	332.9	330.6	326.1	329.9
60°	422.2	370.0	335.2	318.5	313.2	308.7	298.1	293.6	292.0	289.8	295.8
62.5°	357.1	320.0	293.6	278.4	273.1	268.6	263.3	259.5	260.3	257.2	260.3
65°	305.7	275.4	256.5	242.9	236.1	233.0	232.3	226.2	225.5	226.2	227.0
67.5°	258.0	232.3	217.9	209.6	204.3	201.3	199.0	195.2	198.2	196.0	197.5
70°	214.9	197.5	182.3	174.0	171.7	172.5	168.7	167.2	168.0	166.4	168.0
72.5°	173.3	158.9	152.8	146.8	143.8	143.0	140.7	138.5	140.7	140.0	140.0
75°	138.5	127.9	121.1	117.3	117.3	115.8	112.0	112.0	112.0	111.2	112.0
77.5°	106.7	97.6	94.6	90.8	90.8	88.5	87.8	87.8	86.3	88.5	87.0
80°	79.4	72.6	68.1	65.8	65.8	65.1	63.6	62.8	63.6	62.8	62.8
82.5°	51.4	48.4	46.2	43.9	43.1	43.9	43.1	41.6	42.4	41.6	43.1
85°	29.5	26.5	26.5	25.0	25.7	24.2	25.0	23.5	22.7	25.0	23.5
87.5°	12.9	12.1	12.1	10.6	10.6	10.6	9.8	10.6	9.8	9.1	9.8
90°	7.8	8.3	8.8	9.3	9.6	9.8	10.1	10.4	10.7	11.0	10.7
92.5°	7.8	8.3	8.8	9.3	9.6	9.7	9.8	9.9	10.0	10.1	10.0
95°	7.8	8.3	8.8	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	8.4	8.6	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.4	49.3	34.1	19.0	11.4	11.2	10.8	10.4	10.0	9.6	10.0
102.5°	107.2	107.4	107.6	107.8	107.9	103.6	95.1	86.6	78.0	69.5	78.0
105°	136.3	136.3	136.3	136.3	136.3	136.2	136.1	136.0	135.9	135.8	135.9
107.5°	166.6	166.7	166.8	166.9	166.9	166.7	166.3	165.9	165.5	165.1	165.5
110°	196.3	196.0	195.7	195.4	195.3	195.3	195.4	195.5	195.6	195.7	195.6

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	225.5	225.1	224.7	224.3	224.1	224.0	223.8	223.6	223.4	223.2	223.4
115°	254.8	254.4	254.0	253.6	253.4	253.1	252.5	251.8	251.2	250.6	251.2
117.5°	283.4	282.8	282.2	281.6	281.3	281.2	281.0	280.7	280.5	280.3	280.5
120°	310.3	310.1	309.9	309.7	309.6	309.3	308.8	308.3	307.8	307.3	307.8
122.5°	336.4	336.2	336.0	335.8	335.7	335.4	334.8	334.1	333.5	332.9	333.5
125°	361.8	361.4	361.0	360.6	360.4	360.2	359.9	359.6	359.3	359.0	359.3
127.5°	384.9	384.7	384.5	384.3	384.2	383.8	383.0	382.1	381.3	380.5	381.3
130°	407.6	407.3	407.0	406.7	406.6	406.3	405.8	405.3	404.8	404.3	404.8
132.5°	428.5	428.5	428.5	428.5	428.5	428.2	427.7	427.2	426.7	426.2	426.7
135°	449.4	449.2	448.9	448.7	448.6	448.3	447.7	447.1	446.5	445.9	446.5
137.5°	468.8	468.8	468.8	468.8	468.8	468.5	468.0	467.5	467.0	466.5	467.0
140°	486.3	486.5	486.8	487.0	487.1	486.8	486.2	485.5	484.9	484.3	484.9
142.5°	504.0	504.0	504.0	504.0	504.0	503.7	503.1	502.4	501.8	501.2	501.8
145°	520.1	520.2	520.3	520.4	520.4	520.1	519.5	518.9	518.3	517.7	518.3
147.5°	534.3	534.4	534.5	534.6	534.6	534.2	533.5	532.8	532.1	531.4	532.1
150°	547.6	547.8	548.0	548.2	548.3	547.9	547.1	546.3	545.5	544.7	545.5
152.5°	559.5	559.7	559.9	560.1	560.2	559.8	559.1	558.4	557.7	557.0	557.7
155°	570.1	570.4	570.7	571.0	571.2	570.8	570.0	569.1	568.3	567.5	568.3
157.5°	579.3	579.6	579.9	580.2	580.3	579.9	579.1	578.3	577.5	576.7	577.5
160°	587.6	588.0	588.4	588.8	589.0	588.6	587.8	587.0	586.2	585.4	586.2
162.5°	595.1	595.7	596.4	597.0	597.3	596.8	595.9	595.0	594.1	593.2	594.1
165°	601.5	602.1	602.8	603.4	603.7	603.3	602.5	601.6	600.8	600.0	600.8
167.5°	606.7	607.4	608.1	608.8	609.2	608.7	607.8	606.9	605.9	605.0	605.9
170°	610.4	611.2	612.1	612.9	613.3	612.8	611.9	611.0	610.1	609.2	610.1
172.5°	613.5	614.2	614.9	615.6	616.0	615.5	614.6	613.7	612.8	611.9	612.8
175°	615.4	616.2	617.1	617.9	618.3	617.8	616.9	616.0	615.1	614.2	615.1
177.5°	616.7	617.4	618.1	618.8	619.2	618.8	618.0	617.2	616.4	615.6	616.4
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	954.1	948.8	950.3	948.8	945.0	942.7	936.7	929.1	926.1	922.3	920.0
5°	1030.5	1026.7	1025.9	1019.9	1018.4	1009.3	994.2	986.6	977.5	968.4	959.4
7.5°	1113.7	1109.2	1094.0	1091.8	1093.3	1081.9	1062.2	1047.1	1028.2	1015.3	997.9
10°	1182.5	1173.5	1160.6	1161.4	1156.1	1140.9	1121.3	1105.4	1078.1	1061.5	1036.5
12.5°	1224.2	1216.6	1215.1	1207.5	1203.0	1183.3	1159.8	1139.4	1119.0	1096.3	1077.4
15°	1274.8	1265.0	1258.2	1247.6	1244.6	1224.2	1198.4	1175.0	1151.5	1130.3	1090.2
17.5°	1330.8	1320.2	1294.5	1292.2	1274.1	1254.4	1229.5	1194.6	1169.7	1139.4	1109.9
20°	1394.4	1379.3	1346.0	1337.6	1323.3	1290.7	1256.7	1218.1	1178.0	1147.0	1112.2
22.5°	1465.5	1439.0	1414.8	1388.3	1377.7	1337.6	1290.7	1243.8	1195.4	1153.0	1111.4
25°	1557.8	1523.0	1489.0	1462.5	1444.3	1392.1	1329.3	1267.3	1211.3	1156.1	1101.6
27.5°	1630.4	1600.2	1563.1	1528.3	1504.8	1442.8	1370.9	1290.7	1221.1	1153.8	1095.5
30°	1635.7	1626.7	1604.0	1585.0	1559.3	1492.7	1413.3	1322.5	1236.3	1154.5	1083.4
32.5°	1536.6	1554.8	1564.6	1567.6	1562.3	1523.8	1451.1	1351.3	1249.9	1147.7	1072.8
35°	1323.3	1371.7	1431.5	1454.2	1476.1	1496.5	1458.7	1371.7	1254.4	1146.2	1056.2
37.5°	1089.5	1133.4	1232.5	1277.9	1303.6	1384.6	1415.6	1368.7	1263.5	1147.7	1040.3
40°	879.2	948.8	1019.9	1081.2	1121.3	1212.0	1308.1	1318.7	1250.6	1133.4	1019.9
42.5°	739.9	780.8	834.5	891.3	926.8	1034.3	1164.4	1240.8	1210.5	1109.9	994.9
45°	630.2	660.5	711.2	730.1	775.5	878.4	1016.1	1126.6	1141.7	1072.8	966.2
47.5°	541.0	566.7	599.2	622.7	659.0	736.2	852.7	974.5	1047.1	1022.1	926.1
50°	476.6	497.8	525.1	538.7	562.1	631.7	719.5	840.6	938.2	946.5	873.9
52.5°	422.9	435.0	456.2	471.4	490.3	532.6	612.1	711.9	821.7	867.0	809.5
55°	376.0	385.9	404.8	414.6	424.4	460.8	522.8	613.6	716.5	776.3	743.7
57.5°	333.7	342.0	357.9	366.9	372.2	407.0	454.7	525.8	618.1	690.8	672.6
60°	298.9	306.4	315.5	322.3	328.4	357.1	390.4	447.9	530.4	600.7	596.2
62.5°	261.8	268.6	278.4	285.2	290.5	308.7	336.7	380.6	450.9	516.0	528.9
65°	229.2	234.5	241.4	244.4	251.2	264.8	287.5	326.8	384.3	442.6	451.7
67.5°	199.7	201.3	205.8	212.6	214.1	226.2	246.6	276.2	320.8	368.5	382.8
70°	168.0	170.2	174.0	179.3	182.3	189.9	207.3	227.0	265.6	307.2	317.8
72.5°	140.0	143.0	144.5	147.5	149.0	161.2	168.7	188.4	214.9	249.7	261.0
75°	113.5	116.5	117.3	118.8	120.3	125.6	136.2	148.3	170.2	192.9	208.1
77.5°	90.0	89.3	90.8	93.1	92.3	96.8	103.7	114.2	128.6	147.5	157.4
80°	63.6	63.6	65.8	68.1	67.3	71.9	74.1	81.7	93.8	105.9	109.7
82.5°	42.4	42.4	44.6	44.6	46.2	46.9	49.9	53.7	63.6	69.6	71.9
85°	24.2	24.2	25.0	25.0	25.0	26.5	28.8	30.3	33.3	37.1	38.6
87.5°	9.8	10.6	10.6	10.6	10.6	12.1	12.1	13.6	14.4	15.9	15.9
90°	10.4	10.1	9.8	9.6	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.9	9.8	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2	15.0
97.5°	9.4	9.3	9.2	9.1	9.0	8.8	8.6	8.4	8.2	17.9	27.5
100°	10.4	10.8	11.2	11.4	19.0	34.1	49.3	64.4	79.6	79.2	78.8
102.5°	86.6	95.1	103.6	107.9	107.8	107.6	107.4	107.2	107.0	106.8	106.6
105°	136.0	136.1	136.2	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.9	166.3	166.7	166.9	166.9	166.8	166.7	166.6	166.5	166.3	166.1
110°	195.5	195.4	195.3	195.3	195.4	195.7	196.0	196.3	196.6	196.4	196.2

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	223.6	223.8	224.0	224.1	224.3	224.7	225.1	225.5	225.9	225.8	225.7
115°	251.8	252.5	253.1	253.4	253.6	254.0	254.4	254.8	255.2	255.1	255.0
117.5°	280.7	281.0	281.2	281.3	281.6	282.2	282.8	283.4	284.0	283.6	283.2
120°	308.3	308.8	309.3	309.6	309.7	309.9	310.1	310.3	310.5	310.2	309.9
122.5°	334.1	334.8	335.4	335.7	335.8	336.0	336.2	336.4	336.6	336.5	336.4
125°	359.6	359.9	360.2	360.4	360.6	361.0	361.4	361.8	362.2	362.2	362.2
127.5°	382.1	383.0	383.8	384.2	384.3	384.5	384.7	384.9	385.1	385.2	385.3
130°	405.3	405.8	406.3	406.6	406.7	407.0	407.3	407.6	407.9	407.8	407.7
132.5°	427.2	427.7	428.2	428.5	428.5	428.5	428.5	428.5	428.5	428.8	429.1
135°	447.1	447.7	448.3	448.6	448.7	448.9	449.2	449.4	449.6	449.8	450.0
137.5°	467.5	468.0	468.5	468.8	468.8	468.8	468.8	468.8	468.8	469.0	469.2
140°	485.5	486.2	486.8	487.1	487.0	486.8	486.5	486.3	486.1	486.2	486.3
142.5°	502.4	503.1	503.7	504.0	504.0	504.0	504.0	504.0	504.0	503.8	503.6
145°	518.9	519.5	520.1	520.4	520.4	520.3	520.2	520.1	520.0	520.0	520.0
147.5°	532.8	533.5	534.2	534.6	534.6	534.5	534.4	534.3	534.2	534.1	534.0
150°	546.3	547.1	547.9	548.3	548.2	548.0	547.8	547.6	547.4	547.2	547.0
152.5°	558.4	559.1	559.8	560.2	560.1	559.9	559.7	559.5	559.3	559.1	558.9
155°	569.1	570.0	570.8	571.2	571.0	570.7	570.4	570.1	569.8	569.6	569.4
157.5°	578.3	579.1	579.9	580.3	580.2	579.9	579.6	579.3	579.0	579.0	579.0
160°	587.0	587.8	588.6	589.0	588.8	588.4	588.0	587.6	587.2	587.1	587.0
162.5°	595.0	595.9	596.8	597.3	597.0	596.4	595.7	595.1	594.5	594.4	594.3
165°	601.6	602.5	603.3	603.7	603.4	602.8	602.1	601.5	600.9	600.8	600.7
167.5°	606.9	607.8	608.7	609.2	608.8	608.1	607.4	606.7	606.0	605.9	605.8
170°	611.0	611.9	612.8	613.3	612.9	612.1	611.2	610.4	609.6	609.5	609.4
172.5°	613.7	614.6	615.5	616.0	615.6	614.9	614.2	613.5	612.8	612.6	612.4
175°	616.0	616.9	617.8	618.3	617.9	617.1	616.2	615.4	614.6	614.5	614.4
177.5°	617.2	618.0	618.8	619.2	618.8	618.1	617.4	616.7	616.0	615.9	615.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	917.0	913.2	908.7	908.7	903.4	901.1	896.6	895.0	891.3	885.2	880.7
5°	949.5	939.7	933.6	928.3	917.0	908.7	900.3	891.3	882.2	871.6	859.5
7.5°	981.3	963.1	954.8	945.7	929.1	911.7	895.0	882.9	870.8	854.2	839.1
10°	1014.6	991.9	976.8	964.6	938.9	917.0	892.8	875.4	856.5	835.3	815.6
12.5°	1042.6	1013.1	1000.2	977.5	948.0	921.5	891.3	864.8	839.8	814.8	790.6
15°	1066.0	1038.0	1006.3	997.2	956.3	918.5	884.4	850.4	819.4	794.4	766.4
17.5°	1073.6	1038.0	1022.1	1000.2	951.8	912.4	869.3	832.2	802.7	765.7	743.7
20°	1075.9	1041.8	1019.9	999.4	956.3	904.1	861.8	816.4	780.8	743.7	708.9
22.5°	1069.8	1029.7	1008.5	988.9	940.4	895.8	846.6	796.7	755.1	721.0	686.2
25°	1058.5	1011.6	991.1	969.9	923.8	874.6	820.9	773.2	734.6	693.8	659.7
27.5°	1043.3	989.6	966.2	944.2	898.8	852.7	802.0	752.8	709.7	666.6	634.8
30°	1024.4	962.4	941.2	912.4	868.6	824.7	778.5	729.3	680.9	640.1	605.3
32.5°	1000.2	935.1	907.1	879.9	832.2	792.1	748.3	702.1	655.2	615.1	578.8
35°	978.3	904.1	873.1	845.9	792.9	750.5	714.2	671.1	629.5	587.9	555.3
37.5°	948.8	873.1	836.0	808.0	754.3	711.2	677.1	643.9	600.0	559.9	529.6
40°	917.7	834.5	799.7	771.7	715.7	668.8	636.3	606.8	571.2	534.1	502.4
42.5°	889.7	797.4	760.4	726.3	669.6	628.0	594.7	572.0	539.4	506.2	477.4
45°	854.2	758.1	718.0	682.4	628.0	582.6	550.8	532.6	508.4	475.9	450.9
47.5°	817.9	715.7	674.1	639.3	580.3	540.2	509.2	491.8	475.1	449.4	424.4
50°	770.2	671.1	633.3	593.2	534.9	494.1	468.3	450.9	438.1	419.9	398.7
52.5°	718.0	624.9	584.1	549.3	491.8	454.7	425.2	415.4	402.5	388.9	370.7
55°	662.8	575.0	535.7	501.6	448.7	410.8	386.6	376.0	366.2	355.6	343.5
57.5°	607.5	522.8	485.7	455.5	406.3	370.0	350.3	335.9	329.1	323.1	313.2
60°	538.7	466.8	438.1	410.8	362.4	329.1	310.2	299.6	293.6	290.5	286.0
62.5°	478.2	419.1	387.4	360.9	322.3	292.8	274.6	266.3	261.0	259.5	254.2
65°	413.9	363.2	338.2	315.5	282.2	255.7	240.6	230.8	227.0	226.2	226.2
67.5°	353.3	312.5	287.5	271.6	242.9	219.4	205.0	201.3	199.0	196.0	195.2
70°	296.6	264.0	242.1	228.5	202.8	185.4	174.0	168.0	168.0	165.7	164.2
72.5°	246.6	214.1	199.7	188.4	167.2	152.1	143.8	142.2	136.9	136.2	136.2
75°	192.9	168.7	158.9	149.0	133.2	122.6	115.8	112.0	108.9	108.9	109.7
77.5°	145.3	128.6	119.5	112.0	100.6	93.8	88.5	87.0	84.0	84.0	84.0
80°	102.9	93.8	87.0	81.0	72.6	66.6	63.6	60.5	60.5	59.8	60.5
82.5°	66.6	59.0	55.2	54.5	46.9	44.6	40.9	41.6	39.3	38.6	40.1
85°	38.6	34.8	30.3	28.8	25.7	22.7	21.2	21.9	21.2	20.4	21.2
87.5°	15.1	12.9	12.1	12.1	9.8	9.1	8.3	9.1	7.6	7.6	8.3
90°	5.2	4.5	4.1	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	5.5	4.9	4.6	5.1	6.0	6.9	7.8	8.7	7.8	6.9	6.0
95°	18.9	22.8	24.7	24.9	25.2	25.5	25.8	26.1	25.8	25.5	25.2
97.5°	37.2	46.9	51.7	51.4	50.8	50.1	49.5	48.9	49.5	50.1	50.8
100°	78.3	77.9	77.7	77.6	77.3	77.0	76.7	76.4	76.7	77.0	77.3
102.5°	106.4	106.2	106.1	105.9	105.5	105.1	104.7	104.3	104.7	105.1	105.5
105°	136.3	136.3	136.3	136.1	135.7	135.3	134.9	134.5	134.9	135.3	135.7
107.5°	165.9	165.7	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
110°	196.0	195.8	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	225.6	225.5	225.5	225.3	225.0	224.7	224.4	224.1	224.4	224.7	225.0
115°	254.9	254.8	254.7	254.4	253.9	253.4	252.9	252.4	252.9	253.4	253.9
117.5°	282.8	282.4	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2
120°	309.6	309.3	309.2	309.2	309.3	309.4	309.5	309.6	309.5	309.4	309.3
122.5°	336.3	336.2	336.1	335.8	335.3	334.8	334.3	333.8	334.3	334.8	335.3
125°	362.2	362.2	362.2	361.8	361.1	360.4	359.7	359.0	359.7	360.4	361.1
127.5°	385.4	385.5	385.5	385.2	384.7	384.2	383.7	383.2	383.7	384.2	384.7
130°	407.6	407.5	407.5	407.2	406.7	406.2	405.7	405.2	405.7	406.2	406.7
132.5°	429.4	429.7	429.9	429.6	429.0	428.3	427.7	427.1	427.7	428.3	429.0
135°	450.2	450.4	450.5	450.2	449.6	448.9	448.3	447.7	448.3	448.9	449.6
137.5°	469.4	469.6	469.7	469.4	468.8	468.1	467.5	466.9	467.5	468.1	468.8
140°	486.4	486.5	486.6	486.5	486.3	486.1	485.9	485.7	485.9	486.1	486.3
142.5°	503.4	503.2	503.1	503.0	502.9	502.8	502.7	502.6	502.7	502.8	502.9
145°	520.0	520.0	520.0	519.9	519.7	519.5	519.3	519.1	519.3	519.5	519.7
147.5°	533.9	533.8	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
150°	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.2	547.0	546.8
152.5°	558.7	558.5	558.4	558.7	559.2	559.7	560.2	560.7	560.2	559.7	559.2
155°	569.2	569.0	568.9	569.2	569.8	570.5	571.1	571.7	571.1	570.5	569.8
157.5°	579.0	579.0	579.0	579.1	579.4	579.7	580.0	580.3	580.0	579.7	579.4
160°	586.9	586.8	586.7	587.0	587.6	588.3	588.9	589.5	588.9	588.3	587.6
162.5°	594.2	594.1	594.1	594.4	595.0	595.6	596.2	596.8	596.2	595.6	595.0
165°	600.6	600.5	600.5	600.8	601.4	602.0	602.6	603.2	602.6	602.0	601.4
167.5°	605.7	605.6	605.5	605.8	606.4	607.0	607.6	608.2	607.6	607.0	606.4
170°	609.3	609.2	609.2	609.6	610.3	611.0	611.7	612.4	611.7	611.0	610.3
172.5°	612.2	612.0	611.9	612.3	613.0	613.7	614.4	615.1	614.4	613.7	613.0
175°	614.3	614.2	614.2	614.5	615.1	615.7	616.3	616.9	616.3	615.7	615.1
177.5°	615.7	615.6	615.6	615.9	616.5	617.1	617.7	618.3	617.7	617.1	616.5
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	879.2	877.6	873.9	871.6	864.0	854.9	851.9	844.3	847.4	842.1	842.1
5°	855.7	848.9	844.3	837.5	823.2	813.3	802.7	797.4	794.4	790.6	787.6
7.5°	825.4	820.1	815.6	802.7	786.8	773.2	760.4	755.1	745.2	738.4	735.4
10°	799.0	791.4	780.8	765.7	749.0	731.6	720.3	708.9	701.4	697.6	689.2
12.5°	771.7	762.6	751.3	729.3	711.2	700.6	680.2	669.6	665.8	662.8	652.9
15°	743.7	733.9	720.3	699.8	684.0	659.0	646.9	638.6	629.5	628.7	621.2
17.5°	718.8	706.7	695.3	670.3	650.7	628.7	621.9	612.8	604.5	595.4	591.6
20°	687.0	675.6	667.3	640.1	618.1	604.5	593.2	585.6	580.3	571.2	569.7
22.5°	658.2	646.1	634.8	614.3	595.4	578.0	564.4	556.1	553.8	550.0	543.2
25°	630.2	618.1	604.5	585.6	565.9	553.8	541.7	536.4	531.9	525.8	520.5
27.5°	606.8	595.4	582.6	559.1	542.5	533.4	520.5	514.5	508.4	505.4	503.1
30°	578.8	565.9	556.1	537.9	519.8	507.7	498.6	493.3	488.0	485.0	483.5
32.5°	551.6	539.4	532.6	513.0	498.6	484.2	477.4	473.6	470.6	467.6	464.5
35°	529.6	517.5	506.9	488.8	474.4	464.5	459.2	453.2	450.9	447.9	447.9
37.5°	502.4	493.3	482.7	465.3	452.4	444.9	440.3	432.8	432.0	430.5	428.2
40°	478.9	469.8	460.0	444.9	433.5	424.4	418.4	414.6	412.3	410.8	409.3
42.5°	454.0	444.1	439.6	422.2	412.3	403.3	400.2	396.5	395.7	392.7	388.9
45°	429.7	421.4	412.3	399.5	391.2	383.6	379.0	376.0	372.2	371.5	369.2
47.5°	408.6	398.7	390.4	378.3	369.2	363.2	359.4	355.6	352.6	350.3	348.0
50°	381.3	373.8	366.9	354.1	346.5	340.5	335.2	332.1	329.1	329.1	329.1
52.5°	354.8	348.0	342.0	332.9	323.8	318.5	312.5	310.2	308.7	306.4	308.7
55°	329.1	322.3	316.3	309.4	298.9	294.3	288.3	286.0	286.7	286.7	289.0
57.5°	301.9	296.6	292.8	284.5	274.6	270.1	266.3	264.0	264.0	267.1	267.8
60°	275.4	270.1	263.3	255.7	249.7	244.4	242.1	242.9	242.9	244.4	248.2
62.5°	245.9	242.9	239.1	228.5	224.7	220.9	217.9	220.2	219.4	223.2	228.5
65°	218.7	215.6	210.3	205.0	200.5	196.7	196.0	196.7	198.2	202.0	208.1
67.5°	188.4	188.4	183.9	179.3	175.5	171.7	172.5	173.3	174.8	179.3	188.4
70°	163.4	160.4	155.9	152.8	149.8	148.3	146.8	149.8	154.3	157.4	164.2
72.5°	136.2	133.9	130.1	127.1	126.3	124.8	124.1	125.6	130.1	135.4	143.0
75°	107.4	108.2	105.9	103.7	103.7	101.4	102.9	102.9	107.4	112.7	118.8
77.5°	83.2	82.5	81.7	80.2	79.4	79.4	79.4	81.0	85.5	88.5	94.6
80°	59.0	59.8	57.5	58.3	57.5	58.3	58.3	61.3	63.6	67.3	71.9
82.5°	39.3	39.3	37.8	38.6	38.6	38.6	39.3	40.9	43.9	46.9	49.9
85°	21.9	22.7	21.2	22.7	22.7	22.7	23.5	24.2	26.5	27.2	30.3
87.5°	8.3	9.8	9.8	8.3	9.1	9.8	10.6	9.8	11.3	12.9	13.6
90°	3.7	4.1	4.5	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3
92.5°	5.1	4.6	4.9	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	24.9	24.7	22.8	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.4	51.7	46.9	37.2	27.5	17.9	8.2	8.4	8.6	8.8	9.0
100°	77.6	77.7	77.9	78.3	78.8	79.2	79.6	64.4	49.3	34.1	19.0
102.5°	105.9	106.1	106.2	106.4	106.6	106.8	107.0	107.2	107.4	107.6	107.8
105°	136.1	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.7	165.9	166.1	166.3	166.5	166.6	166.7	166.8	166.9
110°	195.7	195.7	195.8	196.0	196.2	196.4	196.6	196.3	196.0	195.7	195.4

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	225.3	225.5	225.5	225.6	225.7	225.8	225.9	225.5	225.1	224.7	224.3
115°	254.4	254.7	254.8	254.9	255.0	255.1	255.2	254.8	254.4	254.0	253.6
117.5°	282.2	282.2	282.4	282.8	283.2	283.6	284.0	283.4	282.8	282.2	281.6
120°	309.2	309.2	309.3	309.6	309.9	310.2	310.5	310.3	310.1	309.9	309.7
122.5°	335.8	336.1	336.2	336.3	336.4	336.5	336.6	336.4	336.2	336.0	335.8
125°	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8	361.4	361.0	360.6
127.5°	385.2	385.5	385.5	385.4	385.3	385.2	385.1	384.9	384.7	384.5	384.3
130°	407.2	407.5	407.5	407.6	407.7	407.8	407.9	407.6	407.3	407.0	406.7
132.5°	429.6	429.9	429.7	429.4	429.1	428.8	428.5	428.5	428.5	428.5	428.5
135°	450.2	450.5	450.4	450.2	450.0	449.8	449.6	449.4	449.2	448.9	448.7
137.5°	469.4	469.7	469.6	469.4	469.2	469.0	468.8	468.8	468.8	468.8	468.8
140°	486.5	486.6	486.5	486.4	486.3	486.2	486.1	486.3	486.5	486.8	487.0
142.5°	503.0	503.1	503.2	503.4	503.6	503.8	504.0	504.0	504.0	504.0	504.0
145°	519.9	520.0	520.0	520.0	520.0	520.0	520.0	520.1	520.2	520.3	520.4
147.5°	533.7	533.7	533.8	533.9	534.0	534.1	534.2	534.3	534.4	534.5	534.6
150°	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.6	547.8	548.0	548.2
152.5°	558.7	558.4	558.5	558.7	558.9	559.1	559.3	559.5	559.7	559.9	560.1
155°	569.2	568.9	569.0	569.2	569.4	569.6	569.8	570.1	570.4	570.7	571.0
157.5°	579.1	579.0	579.0	579.0	579.0	579.0	579.0	579.3	579.6	579.9	580.2
160°	587.0	586.7	586.8	586.9	587.0	587.1	587.2	587.6	588.0	588.4	588.8
162.5°	594.4	594.1	594.1	594.2	594.3	594.4	594.5	595.1	595.7	596.4	597.0
165°	600.8	600.5	600.5	600.6	600.7	600.8	600.9	601.5	602.1	602.8	603.4
167.5°	605.8	605.5	605.6	605.7	605.8	605.9	606.0	606.7	607.4	608.1	608.8
170°	609.6	609.2	609.2	609.3	609.4	609.5	609.6	610.4	611.2	612.1	612.9
172.5°	612.3	611.9	612.0	612.2	612.4	612.6	612.8	613.5	614.2	614.9	615.6
175°	614.5	614.2	614.2	614.3	614.4	614.5	614.6	615.4	616.2	617.1	617.9
177.5°	615.9	615.6	615.6	615.7	615.8	615.9	616.0	616.7	617.4	618.1	618.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	845.1	839.8	839.1	840.6	837.5	842.1	840.6	842.1	838.3	842.1	839.8
5°	786.8	785.3	782.3	778.5	779.3	780.0	783.8	780.0	783.1	783.8	787.6
7.5°	732.4	729.3	731.6	730.1	723.3	721.8	723.3	725.6	730.1	733.1	735.4
10°	688.5	687.0	684.0	681.7	677.9	675.6	678.7	675.6	681.7	687.0	687.0
12.5°	655.2	649.2	645.4	644.6	636.3	637.8	640.8	643.1	649.9	652.9	652.9
15°	620.4	615.9	614.3	611.3	608.3	611.3	609.8	612.1	615.1	618.1	619.6
17.5°	590.1	589.4	590.1	582.6	584.8	581.1	581.8	585.6	583.3	585.6	590.1
20°	562.9	564.4	562.1	559.1	559.1	554.6	559.9	558.4	559.1	563.7	570.5
22.5°	542.5	541.7	539.4	537.2	534.1	534.9	535.7	534.1	540.2	544.0	544.7
25°	520.5	519.0	518.3	516.0	513.0	516.0	515.2	516.0	517.5	523.6	519.0
27.5°	500.1	497.1	498.6	496.3	495.6	496.3	496.3	497.1	498.6	499.3	500.1
30°	482.7	479.7	478.9	477.4	476.6	477.4	478.9	477.4	483.5	482.7	482.7
32.5°	463.8	461.5	460.0	460.0	459.2	458.5	459.2	460.0	464.5	461.5	464.5
35°	445.6	444.1	444.1	442.6	441.8	441.8	441.8	444.9	443.4	445.6	445.6
37.5°	428.2	428.2	427.5	426.0	425.2	426.0	425.2	426.7	426.0	426.7	427.5
40°	410.1	408.6	407.8	407.8	405.5	403.3	405.5	405.5	406.3	408.6	409.3
42.5°	388.1	388.9	388.9	385.9	385.9	385.9	386.6	387.4	387.4	388.9	388.9
45°	369.2	367.7	367.7	367.7	366.2	366.9	368.5	368.5	368.5	368.5	366.9
47.5°	348.0	348.0	348.8	348.8	351.1	350.3	350.3	349.5	348.0	348.0	348.8
50°	328.4	330.6	331.4	331.4	332.1	332.9	332.9	331.4	330.6	328.4	328.4
52.5°	309.4	311.0	312.5	314.7	316.3	315.5	315.5	314.0	311.0	310.2	309.4
55°	289.0	291.3	294.3	296.6	298.9	299.6	299.6	296.6	293.6	289.8	289.8
57.5°	270.1	272.4	277.7	279.9	283.0	283.0	281.4	279.2	274.6	271.6	269.3
60°	251.2	255.0	258.8	263.3	267.1	267.8	265.6	262.5	257.2	253.5	250.4
62.5°	230.8	234.5	242.1	246.6	249.7	249.7	249.7	245.9	239.1	233.8	229.2
65°	211.1	214.9	221.7	227.7	230.0	232.3	230.0	226.2	220.9	214.9	210.3
67.5°	190.7	195.2	202.0	206.5	209.6	211.8	210.3	207.3	200.5	192.2	189.1
70°	168.0	170.2	180.1	184.6	189.1	190.7	189.1	184.6	177.8	168.7	165.7
72.5°	146.8	149.0	158.1	161.9	165.7	167.2	164.9	161.9	155.9	147.5	143.8
75°	122.6	126.3	130.9	136.9	141.5	143.0	140.7	138.5	130.9	125.6	122.6
77.5°	96.8	100.6	106.7	112.0	116.5	115.8	112.7	113.5	105.2	99.1	96.8
80°	73.4	76.4	81.0	85.5	87.8	87.8	87.0	84.0	81.0	76.4	72.6
82.5°	50.7	54.5	58.3	61.3	61.3	62.0	60.5	59.8	56.7	53.0	52.2
85°	30.3	31.0	34.0	34.0	37.1	35.6	34.8	37.1	34.0	31.8	31.0
87.5°	13.6	12.9	13.6	13.6	12.9	14.4	14.4	13.6	14.4	13.6	13.6
90°	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.6
92.5°	9.6	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.8	9.7	9.6
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	9.1	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.1
100°	11.4	11.2	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	11.4
102.5°	107.9	103.6	95.1	86.6	78.0	69.5	78.0	86.6	95.1	103.6	107.9
105°	136.3	136.2	136.1	136.0	135.9	135.8	135.9	136.0	136.1	136.2	136.3
107.5°	166.9	166.7	166.3	165.9	165.5	165.1	165.5	165.9	166.3	166.7	166.9
110°	195.3	195.3	195.4	195.5	195.6	195.7	195.6	195.5	195.4	195.3	195.3

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	224.1	224.0	223.8	223.6	223.4	223.2	223.4	223.6	223.8	224.0	224.1
115°	253.4	253.1	252.5	251.8	251.2	250.6	251.2	251.8	252.5	253.1	253.4
117.5°	281.3	281.2	281.0	280.7	280.5	280.3	280.5	280.7	281.0	281.2	281.3
120°	309.6	309.3	308.8	308.3	307.8	307.3	307.8	308.3	308.8	309.3	309.6
122.5°	335.7	335.4	334.8	334.1	333.5	332.9	333.5	334.1	334.8	335.4	335.7
125°	360.4	360.2	359.9	359.6	359.3	359.0	359.3	359.6	359.9	360.2	360.4
127.5°	384.2	383.8	383.0	382.1	381.3	380.5	381.3	382.1	383.0	383.8	384.2
130°	406.6	406.3	405.8	405.3	404.8	404.3	404.8	405.3	405.8	406.3	406.6
132.5°	428.5	428.2	427.7	427.2	426.7	426.2	426.7	427.2	427.7	428.2	428.5
135°	448.6	448.3	447.7	447.1	446.5	445.9	446.5	447.1	447.7	448.3	448.6
137.5°	468.8	468.5	468.0	467.5	467.0	466.5	467.0	467.5	468.0	468.5	468.8
140°	487.1	486.8	486.2	485.5	484.9	484.3	484.9	485.5	486.2	486.8	487.1
142.5°	504.0	503.7	503.1	502.4	501.8	501.2	501.8	502.4	503.1	503.7	504.0
145°	520.4	520.1	519.5	518.9	518.3	517.7	518.3	518.9	519.5	520.1	520.4
147.5°	534.6	534.2	533.5	532.8	532.1	531.4	532.1	532.8	533.5	534.2	534.6
150°	548.3	547.9	547.1	546.3	545.5	544.7	545.5	546.3	547.1	547.9	548.3
152.5°	560.2	559.8	559.1	558.4	557.7	557.0	557.7	558.4	559.1	559.8	560.2
155°	571.2	570.8	570.0	569.1	568.3	567.5	568.3	569.1	570.0	570.8	571.2
157.5°	580.3	579.9	579.1	578.3	577.5	576.7	577.5	578.3	579.1	579.9	580.3
160°	589.0	588.6	587.8	587.0	586.2	585.4	586.2	587.0	587.8	588.6	589.0
162.5°	597.3	596.8	595.9	595.0	594.1	593.2	594.1	595.0	595.9	596.8	597.3
165°	603.7	603.3	602.5	601.6	600.8	600.0	600.8	601.6	602.5	603.3	603.7
167.5°	609.2	608.7	607.8	606.9	605.9	605.0	605.9	606.9	607.8	608.7	609.2
170°	613.3	612.8	611.9	611.0	610.1	609.2	610.1	611.0	611.9	612.8	613.3
172.5°	616.0	615.5	614.6	613.7	612.8	611.9	612.8	613.7	614.6	615.5	616.0
175°	618.3	617.8	616.9	616.0	615.1	614.2	615.1	616.0	616.9	617.8	618.3
177.5°	619.2	618.8	618.0	617.2	616.4	615.6	616.4	617.2	618.0	618.8	619.2
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3	891.3
2.5°	846.6	842.1	847.4	840.6	842.1	850.4	849.6	857.2	861.8	861.0	864.8
5°	790.6	790.6	792.9	792.1	799.7	806.5	815.6	823.2	831.5	836.0	841.3
7.5°	735.4	743.0	744.5	748.3	757.3	768.7	777.8	789.1	801.2	809.5	815.6
10°	690.0	696.1	702.1	705.1	715.0	730.1	743.0	761.1	776.3	785.3	793.7
12.5°	649.9	656.7	659.7	673.4	680.2	690.0	708.2	727.8	744.5	754.3	761.1
15°	621.2	624.9	631.7	640.1	646.9	659.0	674.1	696.1	711.9	720.3	743.7
17.5°	596.9	601.5	605.3	609.1	619.6	632.5	646.9	665.8	686.2	700.6	712.7
20°	572.0	574.2	578.8	584.8	592.4	604.5	617.4	637.0	655.2	666.6	682.4
22.5°	542.5	549.3	553.8	558.4	566.7	580.3	592.4	606.8	629.5	642.3	659.0
25°	525.1	528.1	531.1	536.4	542.5	554.6	568.2	583.3	601.5	615.1	629.5
27.5°	502.4	506.9	510.7	517.5	521.3	531.1	544.0	559.1	581.1	592.4	604.5
30°	483.5	488.0	491.0	494.1	499.3	509.9	522.0	534.1	554.6	569.0	581.1
32.5°	464.5	469.1	472.9	475.1	480.4	487.2	497.1	512.2	529.6	539.4	555.3
35°	447.9	447.9	452.4	455.5	460.0	466.1	475.1	486.5	504.6	517.5	531.9
37.5°	429.0	429.7	433.5	435.8	440.3	446.4	455.5	466.1	481.2	491.0	505.4
40°	409.3	411.6	413.1	416.9	422.2	424.4	433.5	445.6	460.8	469.8	481.9
42.5°	389.6	391.2	394.9	398.0	402.5	406.3	412.3	423.7	435.0	448.7	458.5
45°	367.7	371.5	373.8	379.0	381.3	385.1	391.2	400.2	413.9	422.2	433.5
47.5°	348.8	350.3	351.8	358.6	363.2	365.4	371.5	376.8	391.2	398.7	409.3
50°	328.4	328.4	330.6	333.7	339.0	343.5	348.8	354.8	366.2	373.8	384.3
52.5°	309.4	307.2	308.7	310.2	315.5	320.0	325.3	333.7	344.2	348.8	357.9
55°	289.0	285.2	287.5	289.8	291.3	297.3	303.4	308.7	317.0	323.8	332.1
57.5°	267.1	266.3	264.8	265.6	269.3	273.1	277.7	284.5	294.3	299.6	304.1
60°	247.4	242.9	241.4	242.9	245.1	247.4	253.5	259.5	267.8	273.1	278.4
62.5°	227.0	222.4	219.4	217.1	219.4	224.7	228.5	233.0	239.8	245.9	250.4
65°	207.3	200.5	197.5	196.0	195.2	199.0	202.0	208.1	214.1	216.4	221.7
67.5°	185.4	179.3	175.5	173.3	173.3	173.3	176.3	182.3	188.4	189.1	194.4
70°	163.4	156.6	152.8	149.8	148.3	149.8	153.6	154.3	159.6	161.2	164.2
72.5°	140.0	133.9	129.4	125.6	126.3	127.9	127.9	129.4	132.4	136.2	136.2
75°	118.0	109.7	107.4	104.4	102.9	102.9	102.9	105.9	108.2	111.2	110.5
77.5°	93.1	88.5	84.0	82.5	80.2	79.4	81.0	81.0	82.5	84.7	85.5
80°	71.9	66.6	63.6	62.0	59.0	58.3	59.0	59.0	61.3	60.5	61.3
82.5°	49.9	46.2	43.9	41.6	40.1	40.9	40.1	40.1	40.9	40.1	40.1
85°	28.8	28.0	26.5	25.7	25.0	23.5	25.0	24.2	23.5	22.7	24.2
87.5°	13.6	12.9	12.9	11.3	11.3	10.6	11.3	11.3	10.6	10.6	10.6
90°	9.3	8.8	8.3	7.8	7.3	6.6	5.9	5.2	4.5	4.1	3.7
92.5°	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.5	4.9	4.6	5.1
95°	9.3	8.8	8.3	7.8	7.3	11.2	15.0	18.9	22.8	24.7	24.9
97.5°	9.0	8.8	8.6	8.4	8.2	17.9	27.5	37.2	46.9	51.7	51.4
100°	19.0	34.1	49.3	64.4	79.6	79.2	78.8	78.3	77.9	77.7	77.6
102.5°	107.8	107.6	107.4	107.2	107.0	106.8	106.6	106.4	106.2	106.1	105.9
105°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.1
107.5°	166.9	166.8	166.7	166.6	166.5	166.3	166.1	165.9	165.7	165.6	165.6
110°	195.4	195.7	196.0	196.3	196.6	196.4	196.2	196.0	195.8	195.7	195.7

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	224.3	224.7	225.1	225.5	225.9	225.8	225.7	225.6	225.5	225.5	225.3
115°	253.6	254.0	254.4	254.8	255.2	255.1	255.0	254.9	254.8	254.7	254.4
117.5°	281.6	282.2	282.8	283.4	284.0	283.6	283.2	282.8	282.4	282.2	282.2
120°	309.7	309.9	310.1	310.3	310.5	310.2	309.9	309.6	309.3	309.2	309.2
122.5°	335.8	336.0	336.2	336.4	336.6	336.5	336.4	336.3	336.2	336.1	335.8
125°	360.6	361.0	361.4	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8
127.5°	384.3	384.5	384.7	384.9	385.1	385.2	385.3	385.4	385.5	385.5	385.2
130°	406.7	407.0	407.3	407.6	407.9	407.8	407.7	407.6	407.5	407.5	407.2
132.5°	428.5	428.5	428.5	428.5	428.5	428.8	429.1	429.4	429.7	429.9	429.6
135°	448.7	448.9	449.2	449.4	449.6	449.8	450.0	450.2	450.4	450.5	450.2
137.5°	468.8	468.8	468.8	468.8	468.8	469.0	469.2	469.4	469.6	469.7	469.4
140°	487.0	486.8	486.5	486.3	486.1	486.2	486.3	486.4	486.5	486.6	486.5
142.5°	504.0	504.0	504.0	504.0	504.0	503.8	503.6	503.4	503.2	503.1	503.0
145°	520.4	520.3	520.2	520.1	520.0	520.0	520.0	520.0	520.0	520.0	519.9
147.5°	534.6	534.5	534.4	534.3	534.2	534.1	534.0	533.9	533.8	533.7	533.7
150°	548.2	548.0	547.8	547.6	547.4	547.2	547.0	546.8	546.6	546.5	546.6
152.5°	560.1	559.9	559.7	559.5	559.3	559.1	558.9	558.7	558.5	558.4	558.7
155°	571.0	570.7	570.4	570.1	569.8	569.6	569.4	569.2	569.0	568.9	569.2
157.5°	580.2	579.9	579.6	579.3	579.0	579.0	579.0	579.0	579.0	579.0	579.1
160°	588.8	588.4	588.0	587.6	587.2	587.1	587.0	586.9	586.8	586.7	587.0
162.5°	597.0	596.4	595.7	595.1	594.5	594.4	594.3	594.2	594.1	594.1	594.4
165°	603.4	602.8	602.1	601.5	600.9	600.8	600.7	600.6	600.5	600.5	600.8
167.5°	608.8	608.1	607.4	606.7	606.0	605.9	605.8	605.7	605.6	605.5	605.8
170°	612.9	612.1	611.2	610.4	609.6	609.5	609.4	609.3	609.2	609.2	609.6
172.5°	615.6	614.9	614.2	613.5	612.8	612.6	612.4	612.2	612.0	611.9	612.3
175°	617.9	617.1	616.2	615.4	614.6	614.5	614.4	614.3	614.2	614.2	614.5
177.5°	618.8	618.1	617.4	616.7	616.0	615.9	615.8	615.7	615.6	615.6	615.9
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	891.3	891.3	891.3	891.3
2.5°	870.1	877.6	882.9	892.8
5°	850.4	864.0	876.9	890.5
7.5°	830.7	846.6	867.0	884.4
10°	808.8	829.2	853.4	876.9
12.5°	786.8	811.1	837.5	868.6
15°	760.4	791.4	822.4	855.7
17.5°	736.9	768.7	802.0	843.6
20°	710.4	745.2	781.6	823.9
22.5°	687.0	725.6	763.4	808.0
25°	660.5	698.3	739.9	787.6
27.5°	638.6	673.4	714.2	765.7
30°	612.1	649.9	690.8	742.2
32.5°	587.1	623.4	666.6	717.2
35°	561.4	598.5	637.0	685.5
37.5°	537.2	569.0	607.5	653.7
40°	509.9	544.7	579.5	615.9
42.5°	485.0	516.7	549.3	578.0
45°	457.0	484.2	515.2	538.7
47.5°	431.3	455.5	479.7	497.8
50°	405.5	424.4	442.6	458.5
52.5°	375.3	396.5	406.3	416.1
55°	348.0	360.1	369.2	379.0
57.5°	321.5	326.8	331.4	340.5
60°	286.7	292.8	298.1	304.9
62.5°	256.5	259.5	261.0	267.8
65°	227.7	227.0	230.8	234.5
67.5°	196.7	196.0	199.7	201.3
70°	166.4	165.7	166.4	170.2
72.5°	137.7	137.7	138.5	140.0
75°	111.2	111.2	112.0	113.5
77.5°	84.0	85.5	84.7	87.8
80°	61.3	59.8	61.3	62.8
82.5°	40.1	41.6	41.6	40.1
85°	22.7	22.7	22.7	22.7
87.5°	9.8	9.8	10.6	11.3
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.2	25.5	25.8	26.1
97.5°	50.8	50.1	49.5	48.9
100°	77.3	77.0	76.7	76.4
102.5°	105.5	105.1	104.7	104.3
105°	135.7	135.3	134.9	134.5
107.5°	165.6	165.6	165.6	165.6
110°	195.7	195.7	195.7	195.7

TEST NUMBER: P1034586

CATALOG NUMBER: S125DIW-B610D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.0	224.7	224.4	224.1
115°	253.9	253.4	252.9	252.4
117.5°	282.2	282.2	282.2	282.2
120°	309.3	309.4	309.5	309.6
122.5°	335.3	334.8	334.3	333.8
125°	361.1	360.4	359.7	359.0
127.5°	384.7	384.2	383.7	383.2
130°	406.7	406.2	405.7	405.2
132.5°	429.0	428.3	427.7	427.1
135°	449.6	448.9	448.3	447.7
137.5°	468.8	468.1	467.5	466.9
140°	486.3	486.1	485.9	485.7
142.5°	502.9	502.8	502.7	502.6
145°	519.7	519.5	519.3	519.1
147.5°	533.7	533.7	533.7	533.7
150°	546.8	547.0	547.2	547.4
152.5°	559.2	559.7	560.2	560.7
155°	569.8	570.5	571.1	571.7
157.5°	579.4	579.7	580.0	580.3
160°	587.6	588.3	588.9	589.5
162.5°	595.0	595.6	596.2	596.8
165°	601.4	602.0	602.6	603.2
167.5°	606.4	607.0	607.6	608.2
170°	610.3	611.0	611.7	612.4
172.5°	613.0	613.7	614.4	615.1
175°	615.1	615.7	616.3	616.9
177.5°	616.5	617.1	617.7	618.3
180°	616.9	616.9	616.9	616.9

(END OF REPORT)