

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: P1034872

Luminaire Tested: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034872
REPORT IS A COMBINATION OF REPORTS P1006721 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

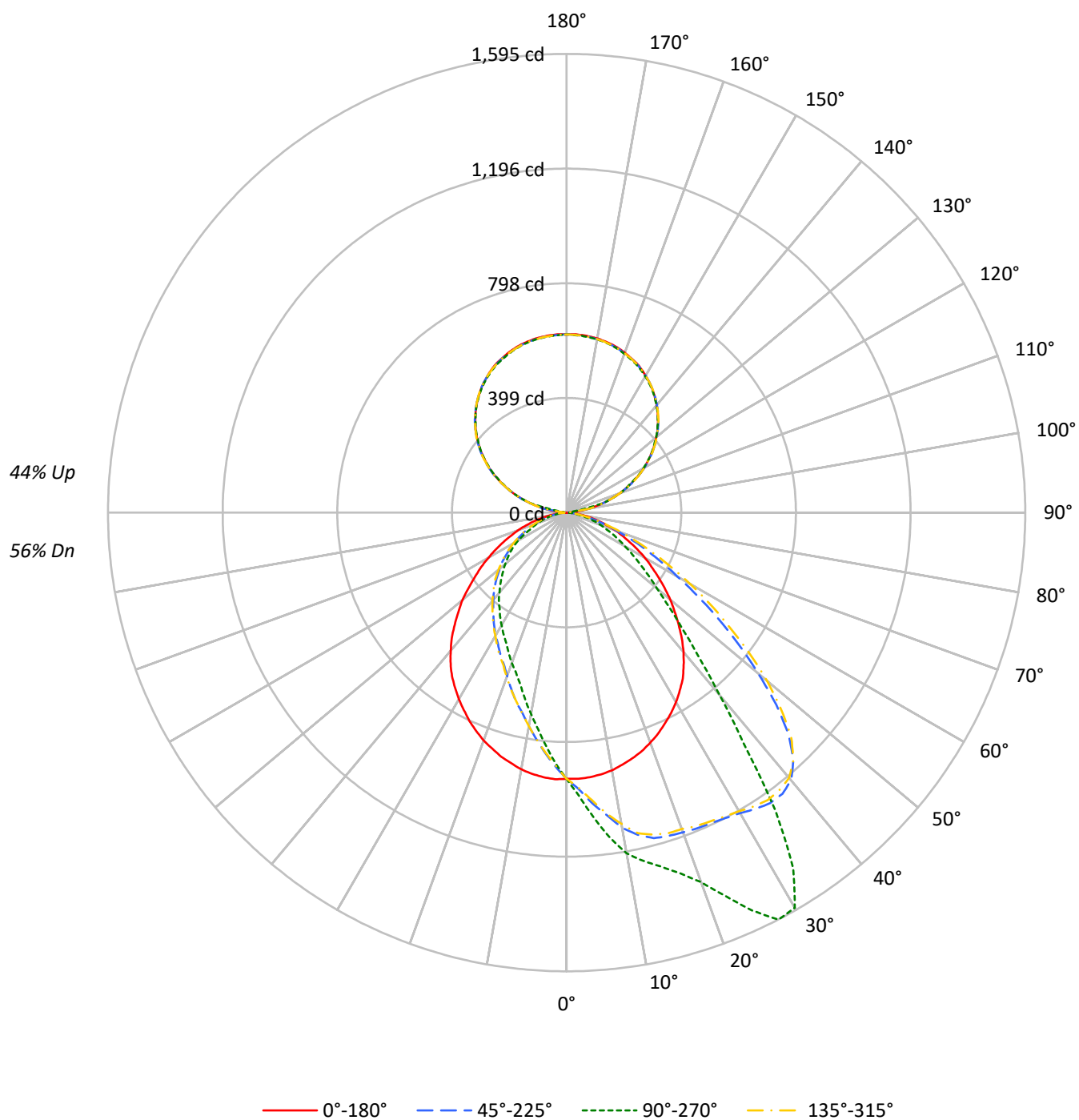
Lumens per Lamp: N/A
Luminaire Lumens: 4302.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

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	73	73	73	61	61	61	56		
1	100	95	92	88	92	89	86	83	77	74	72	65	64	62	55	54	53	48		
2	91	84	78	73	84	78	73	69	68	64	60	58	55	53	49	47	45	41		
3	83	74	67	61	77	69	63	58	60	55	51	52	48	45	44	41	39	35		
4	76	66	58	52	71	62	55	49	54	48	44	46	42	39	39	36	34	30		
5	70	59	51	45	65	55	48	43	48	43	38	42	37	34	36	32	30	27		
6	65	53	45	39	60	50	42	37	43	38	33	38	33	30	32	29	26	23		
7	60	48	40	34	56	45	38	33	39	34	30	34	30	26	30	26	23	21		
8	56	43	36	30	52	41	34	29	36	30	26	31	27	24	27	24	21	19		
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	25	22	19	17		
10	49	36	29	24	45	34	28	23	31	25	21	27	22	19	23	20	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5930	5930	5930	5930
5°	5925	6684	5925	5137
10°	5892	7511	5872	4441
15°	5828	7946	5788	3867
20°	5751	8578	5699	3495
25°	5650	9709	5586	3172
30°	5548	10320	5465	2941
35°	5415	8487	5339	2726
40°	5180	5764	5136	2532
45°	4870	4143	4864	2341
50°	4553	3187	4575	2166
55°	4197	2591	4188	1996
60°	3864	2124	3846	1772
65°	3478	1769	3499	1426
70°	3157	1420	3143	1188
75°	2667	1076	2667	977
80°	2162	656	2136	656
85°	1521	346	1475	391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 8441 cd/sqm

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.1
10°-20°	260.2	6.0
20°-30°	412.6	9.6
30°-40°	498.6	11.6
40°-50°	443.9	10.3
50°-60°	340.4	7.9
60°-70°	221.1	5.1
70°-80°	107.3	2.5
80°-90°	26.2	0.6
90°-100°	21.0	0.5
100°-110°	139.8	3.3
110°-120°	251.8	5.9
120°-130°	323.2	7.5
130°-140°	347.6	8.1
140°-150°	326.2	7.6
150°-160°	263.9	6.1
160°-170°	170.7	4.0
170°-180°	58.9	1.4
0°-30°	761.6	17.7
0°-40°	1260.1	29.3
0°-60°	2044.4	47.5
0°-90°	2398.9	55.8
90°-120°	412.6	9.6
90°-150°	1409.7	32.8
90°-180°	1903.0	44.2
0°-180°	4302.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	926	926	926	926	926	
5°	923	1061	923	815	923	88
15°	884	1274	878	620	884	249
25°	809	1526	799	498	809	373
35°	704	1266	695	407	704	439
45°	551	566	550	320	551	425
55°	389	311	388	239	389	349
65°	242	176	243	142	242	242
75°	118	82	118	74	118	126
85°	27	18	26	20	27	30
90°	0	11	0	11	0	3
95°	26	10	26	10	26	32
105°	135	136	135	136	135	143
115°	254	252	254	252	254	251
125°	360	360	360	360	360	322
135°	450	448	450	448	450	347
145°	521	520	521	520	521	326
155°	574	570	574	570	574	265
165°	606	602	606	602	606	171
175°	620	617	620	617	620	59
180°	620	620	620	620	620	

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	926.3	933.9	936.2	942.3	949.1	950.7	954.5	959.8	962.8	962.1	962.1
5°	923.3	936.2	945.3	956.0	968.9	974.2	978.8	990.2	999.3	1004.6	1013.7
7.5°	918.0	937.0	952.2	968.1	987.9	997.0	1006.9	1022.9	1039.6	1050.2	1060.1
10°	909.6	933.9	955.2	978.8	1005.4	1019.1	1031.2	1055.5	1076.0	1089.7	1112.5
12.5°	897.5	927.9	957.5	988.7	1022.1	1036.5	1053.3	1079.8	1108.7	1128.5	1147.5
15°	884.5	921.0	952.9	990.2	1030.5	1052.5	1073.8	1101.9	1127.7	1149.8	1171.8
17.5°	869.4	908.1	947.6	990.2	1035.8	1057.8	1076.0	1109.5	1136.8	1158.9	1178.6
20°	851.1	894.4	939.3	986.4	1032.7	1053.3	1070.7	1107.2	1131.5	1155.1	1183.2
22.5°	831.4	878.5	926.3	972.7	1018.3	1040.3	1060.9	1092.8	1119.4	1151.3	1187.8
25°	808.6	860.2	908.9	955.2	998.5	1019.1	1037.3	1072.2	1109.5	1149.8	1190.8
27.5°	785.8	835.9	883.0	925.6	972.7	991.7	1009.9	1054.0	1098.1	1140.6	1196.9
30°	760.7	811.6	852.6	892.1	937.7	957.5	980.3	1030.5	1080.6	1138.4	1206.8
32.5°	732.6	778.9	816.9	858.0	899.0	923.3	952.2	1006.9	1064.7	1133.8	1221.2
35°	704.4	741.7	776.6	815.4	864.8	890.6	918.7	976.5	1048.7	1131.5	1233.4
37.5°	668.7	704.4	731.8	771.3	822.2	852.6	880.7	947.6	1029.7	1126.2	1232.6
40°	632.3	662.7	688.5	729.5	785.0	813.1	843.5	916.5	1009.9	1111.0	1214.4
42.5°	592.7	618.6	646.7	686.2	740.2	767.5	802.5	887.6	982.6	1089.7	1167.2
45°	550.9	576.0	599.6	640.6	694.6	724.2	762.2	849.6	949.1	1044.9	1091.2
47.5°	509.9	531.9	557.0	592.7	647.5	680.1	718.9	812.4	904.3	984.9	988.7
50°	470.4	487.9	509.1	545.6	602.6	633.8	674.1	761.4	851.1	906.6	869.4
52.5°	429.4	445.3	467.4	499.3	552.5	588.9	623.9	711.3	786.5	823.8	755.4
55°	389.1	402.8	425.6	461.3	507.6	535.7	571.5	652.8	718.9	719.6	645.2
57.5°	349.6	361.7	380.7	412.6	456.0	488.6	521.3	592.0	636.8	623.9	541.1
60°	314.6	322.2	339.7	370.8	411.1	434.7	469.6	528.9	558.5	535.0	446.1
62.5°	278.1	285.7	299.4	324.5	362.5	387.6	409.6	458.2	478.8	443.0	370.1
65°	241.7	250.8	260.7	280.4	316.1	332.8	352.6	388.3	408.1	366.3	303.2
67.5°	209.7	214.3	224.2	244.7	269.8	285.0	298.6	323.0	326.8	293.3	241.7
70°	180.1	181.6	190.7	202.9	221.9	231.0	242.4	256.9	256.9	229.5	188.5
72.5°	146.7	148.9	155.8	168.7	180.1	184.7	188.5	197.6	196.1	171.0	142.9
75°	117.8	119.3	124.6	130.7	135.3	143.6	146.7	145.1	144.4	123.1	107.1
77.5°	91.2	92.0	95.8	101.1	101.8	104.9	102.6	102.6	95.8	83.6	75.2
80°	66.9	67.6	69.2	70.7	70.7	70.7	70.7	66.9	62.3	54.7	52.4
82.5°	44.8	44.8	45.6	47.1	46.4	44.8	43.3	39.5	36.5	34.2	32.7
85°	26.6	26.6	27.4	26.6	23.6	22.8	21.3	20.5	19.8	19.0	19.0
87.5°	12.9	12.2	10.6	9.1	9.1	9.1	9.1	9.1	9.1	8.4	8.4
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°	26.2	25.9	25.6	25.3	25.0	24.8	22.9	19.0	15.1	11.2	7.3
97.5°	49.1	49.7	50.3	51.0	51.6	51.9	47.1	37.4	27.7	18.0	8.3
100°	76.7	77.0	77.3	77.6	77.9	78.1	78.3	78.7	79.1	79.5	79.9
102.5°	104.7	105.1	105.5	105.9	106.3	106.5	106.6	106.8	107.1	107.3	107.5
105°	135.0	135.4	135.8	136.3	136.7	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.3	166.3	166.3	166.3	166.4	166.6	166.8	167.0	167.2
110°	196.6	196.6	196.6	196.6	196.6	196.6	196.7	196.9	197.1	197.3	197.5



TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.0	225.3	225.6	225.9	226.2	226.4	226.5	226.6	226.7	226.8	226.9
115°	253.5	254.0	254.5	255.0	255.5	255.8	255.9	256.0	256.1	256.2	256.3
117.5°	283.4	283.4	283.4	283.4	283.4	283.4	283.6	284.0	284.4	284.8	285.2
120°	310.9	310.8	310.7	310.6	310.5	310.5	310.6	310.9	311.2	311.5	311.8
122.5°	335.3	335.8	336.3	336.8	337.3	337.6	337.6	337.7	337.8	337.9	338.0
125°	360.5	361.2	361.9	362.6	363.3	363.7	363.7	363.7	363.7	363.7	363.7
127.5°	384.9	385.4	385.9	386.4	386.9	387.2	387.1	387.0	386.9	386.8	386.7
130°	406.9	407.4	407.9	408.4	408.9	409.2	409.3	409.4	409.5	409.6	409.7
132.5°	428.9	429.5	430.1	430.8	431.4	431.7	431.5	431.2	430.9	430.6	430.3
135°	449.6	450.2	450.8	451.5	452.1	452.4	452.3	452.1	451.8	451.6	451.4
137.5°	468.9	469.5	470.1	470.8	471.4	471.7	471.6	471.4	471.1	470.9	470.7
140°	487.7	487.9	488.1	488.3	488.5	488.6	488.6	488.5	488.4	488.3	488.2
142.5°	504.7	504.8	504.9	505.0	505.1	505.2	505.3	505.5	505.7	505.9	506.1
145°	521.3	521.5	521.7	521.9	522.1	522.2	522.2	522.2	522.2	522.2	522.2
147.5°	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.1	536.2	536.3	536.4
150°	549.7	549.5	549.3	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7
152.5°	563.0	562.5	562.0	561.5	561.0	560.8	560.9	561.1	561.3	561.5	561.7
155°	574.1	573.5	572.9	572.2	571.6	571.3	571.4	571.6	571.8	572.0	572.2
157.5°	582.8	582.5	582.2	581.9	581.6	581.4	581.4	581.4	581.4	581.4	581.4
160°	592.0	591.4	590.8	590.1	589.5	589.2	589.3	589.4	589.5	589.6	589.7
162.5°	599.3	598.7	598.1	597.5	596.9	596.6	596.6	596.7	596.8	596.9	597.0
165°	605.8	605.2	604.6	603.9	603.3	603.0	603.1	603.2	603.3	603.4	603.5
167.5°	610.8	610.2	609.6	609.0	608.4	608.1	608.1	608.2	608.3	608.4	608.5
170°	614.9	614.2	613.5	612.8	612.1	611.7	611.8	611.9	612.0	612.1	612.2
172.5°	617.7	617.0	616.3	615.6	614.9	614.5	614.6	614.8	615.0	615.2	615.4
175°	619.5	618.9	618.3	617.7	617.1	616.8	616.8	616.9	617.0	617.1	617.2
177.5°	620.9	620.3	619.7	619.1	618.5	618.2	618.2	618.3	618.4	618.5	618.6
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	965.9	971.2	975.7	973.5	982.6	981.8	983.3	986.4	987.1	985.6	982.6
5°	1018.3	1025.9	1038.8	1045.7	1044.1	1050.2	1053.3	1057.8	1062.4	1060.9	1060.9
7.5°	1076.8	1087.4	1100.4	1117.8	1120.1	1125.4	1134.6	1134.6	1139.9	1137.6	1136.8
10°	1127.7	1140.6	1161.2	1174.8	1180.9	1184.0	1193.1	1196.1	1202.2	1203.0	1203.0
12.5°	1169.5	1192.3	1206.0	1219.7	1222.7	1227.3	1234.1	1238.7	1241.0	1241.0	1238.7
15°	1191.6	1209.8	1225.8	1240.2	1248.6	1252.4	1259.2	1264.5	1267.5	1274.4	1275.9
17.5°	1200.7	1222.7	1248.6	1269.1	1283.5	1287.3	1301.0	1305.5	1311.6	1314.7	1318.5
20°	1213.6	1245.5	1276.7	1301.7	1315.4	1325.3	1339.7	1361.0	1367.1	1367.1	1364.8
22.5°	1225.0	1266.0	1308.6	1348.9	1360.3	1380.0	1406.6	1429.4	1438.5	1442.3	1439.3
25°	1238.7	1294.9	1350.4	1400.5	1431.7	1446.1	1481.8	1509.2	1519.8	1525.9	1527.4
27.5°	1262.2	1332.9	1403.6	1467.4	1499.3	1516.0	1553.3	1576.8	1589.8	1595.1	1591.3
30°	1288.8	1375.5	1457.5	1514.5	1535.8	1556.3	1580.6	1589.8	1586.7	1586.7	1598.1
32.5°	1316.2	1405.9	1478.8	1516.0	1523.6	1520.6	1510.7	1483.4	1467.4	1467.4	1477.3
35°	1331.4	1408.9	1446.1	1434.0	1404.3	1386.9	1332.9	1302.5	1268.3	1266.0	1277.4
37.5°	1323.0	1356.5	1341.3	1261.5	1221.2	1187.8	1103.4	1070.0	1044.9	1009.9	1063.9
40°	1264.5	1253.1	1174.1	1059.3	1014.5	967.4	900.5	867.1	832.1	826.8	839.7
42.5°	1165.7	1098.1	982.6	871.6	826.0	792.6	741.7	709.0	687.0	677.9	693.0
45°	1042.6	936.2	820.7	732.6	682.4	664.9	618.6	589.7	573.0	566.1	576.8
47.5°	892.1	785.0	675.6	601.1	571.5	554.0	522.8	497.7	483.3	478.8	483.3
50°	757.6	647.5	555.5	507.6	481.0	466.6	440.8	424.8	413.4	410.4	418.0
52.5°	641.4	541.1	471.2	428.6	411.1	399.0	380.7	367.0	360.2	357.2	362.5
55°	537.3	456.0	399.7	363.2	350.3	342.7	326.8	319.2	311.6	310.8	316.1
57.5°	445.3	389.1	337.4	311.6	307.8	296.4	282.7	275.9	272.1	271.3	273.6
60°	370.8	320.7	289.5	266.7	261.4	252.3	244.7	240.1	235.6	234.1	235.6
62.5°	308.5	269.0	243.9	228.7	221.1	218.9	210.5	205.2	204.4	204.4	205.9
65°	254.6	221.1	205.2	193.0	187.7	185.4	179.3	175.5	176.3	176.3	177.1
67.5°	207.5	183.1	168.7	162.6	158.1	157.3	151.2	149.7	148.2	148.2	149.7
70°	164.9	149.7	139.1	136.0	135.3	129.9	127.7	126.9	124.6	125.4	125.4
72.5°	129.2	119.3	113.2	108.7	109.4	106.4	103.3	103.3	101.8	104.1	104.1
75°	95.8	91.2	86.6	85.1	86.6	85.1	82.8	82.1	82.8	82.1	82.1
77.5°	70.7	68.4	66.9	66.1	66.1	63.1	61.6	63.1	60.0	61.6	61.6
80°	49.4	46.4	45.6	44.1	44.8	42.6	43.3	41.8	41.8	41.8	41.8
82.5°	31.2	30.4	30.4	30.4	29.6	29.6	29.6	29.6	29.6	29.6	28.9
85°	19.0	18.2	18.2	18.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5
87.5°	7.6	8.4	8.4	9.1	8.4	7.6	7.6	7.6	8.4	8.4	7.6
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°	8.5	8.7	8.9	9.1	9.2	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.7	49.5	34.3	19.1	11.5	11.3	10.9	10.4	10.0	9.6	10.0
102.5°	107.7	107.9	108.1	108.3	108.4	104.1	95.5	87.0	78.4	69.8	78.4
105°	136.9	136.9	136.9	136.9	136.9	136.8	136.7	136.6	136.5	136.4	136.5
107.5°	167.3	167.4	167.5	167.6	167.6	167.4	167.0	166.6	166.2	165.8	166.2
110°	197.2	196.9	196.6	196.3	196.1	196.2	196.3	196.4	196.5	196.6	196.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	226.5	226.1	225.6	225.2	225.0	224.9	224.7	224.5	224.3	224.1	224.3
115°	255.9	255.5	255.0	254.6	254.4	254.1	253.5	252.9	252.3	251.7	252.3
117.5°	284.6	284.0	283.3	282.7	282.4	282.3	282.1	281.9	281.7	281.5	281.7
120°	311.6	311.4	311.2	311.0	310.9	310.6	310.1	309.6	309.1	308.6	309.1
122.5°	337.8	337.6	337.4	337.2	337.1	336.8	336.2	335.5	334.9	334.3	334.9
125°	363.3	362.9	362.5	362.1	361.9	361.7	361.4	361.1	360.8	360.5	360.8
127.5°	386.5	386.3	386.1	385.9	385.8	385.4	384.6	383.7	382.9	382.1	382.9
130°	409.4	409.1	408.8	408.5	408.3	408.0	407.5	407.0	406.5	406.0	406.5
132.5°	430.3	430.3	430.3	430.3	430.3	430.0	429.5	429.0	428.5	428.0	428.5
135°	451.2	451.0	450.8	450.6	450.5	450.2	449.6	449.0	448.4	447.8	448.4
137.5°	470.7	470.7	470.7	470.7	470.7	470.4	469.9	469.4	468.9	468.4	468.9
140°	488.4	488.6	488.8	489.0	489.1	488.8	488.2	487.6	487.0	486.4	487.0
142.5°	506.1	506.1	506.1	506.1	506.1	505.8	505.2	504.5	503.9	503.3	503.9
145°	522.3	522.4	522.5	522.6	522.6	522.3	521.7	521.1	520.5	519.9	520.5
147.5°	536.5	536.6	536.7	536.8	536.9	536.5	535.8	535.1	534.4	533.7	534.4
150°	549.9	550.1	550.3	550.5	550.6	550.2	549.4	548.6	547.8	547.0	547.8
152.5°	561.9	562.1	562.3	562.5	562.6	562.2	561.5	560.8	560.1	559.4	560.1
155°	572.5	572.8	573.1	573.4	573.6	573.2	572.4	571.5	570.7	569.9	570.7
157.5°	581.7	582.0	582.3	582.6	582.8	582.4	581.6	580.7	579.9	579.1	579.9
160°	590.1	590.5	590.9	591.3	591.5	591.1	590.3	589.4	588.6	587.8	588.6
162.5°	597.6	598.2	598.9	599.5	599.8	599.3	598.4	597.5	596.6	595.7	596.6
165°	604.1	604.7	605.3	605.9	606.2	605.8	605.0	604.1	603.3	602.5	603.3
167.5°	609.2	609.9	610.6	611.3	611.7	611.2	610.3	609.4	608.5	607.6	608.5
170°	613.0	613.8	614.7	615.5	615.9	615.4	614.5	613.6	612.6	611.7	612.6
172.5°	616.1	616.8	617.5	618.2	618.6	618.1	617.2	616.3	615.4	614.5	615.4
175°	618.0	618.8	619.7	620.5	620.9	620.4	619.5	618.6	617.7	616.8	617.7
177.5°	619.3	620.0	620.7	621.4	621.8	621.4	620.6	619.8	619.0	618.2	619.0
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	986.4	981.1	983.3	981.1	978.8	976.5	971.2	963.6	957.5	952.9	952.2
5°	1062.4	1055.5	1051.0	1048.7	1044.1	1038.1	1028.2	1016.8	1003.1	997.8	987.1
7.5°	1132.3	1130.0	1119.4	1117.8	1114.8	1103.4	1086.7	1071.5	1054.0	1039.6	1025.9
10°	1198.4	1193.1	1185.5	1174.8	1173.3	1158.9	1142.9	1121.6	1098.8	1085.2	1060.9
12.5°	1239.4	1233.4	1225.0	1218.2	1214.4	1205.2	1183.2	1161.9	1141.4	1116.3	1095.0
15°	1269.1	1261.5	1246.3	1241.0	1236.4	1224.2	1208.3	1186.2	1158.9	1141.4	1111.0
17.5°	1309.3	1300.2	1285.0	1275.1	1266.8	1247.8	1225.0	1195.4	1169.5	1149.8	1122.4
20°	1355.7	1342.0	1322.3	1309.3	1297.2	1275.1	1243.2	1208.3	1171.0	1146.7	1118.6
22.5°	1432.5	1406.6	1375.5	1357.2	1340.5	1302.5	1264.5	1221.2	1179.4	1142.9	1108.7
25°	1506.9	1481.1	1442.3	1417.3	1391.4	1347.3	1297.2	1237.2	1184.0	1141.4	1096.6
27.5°	1576.1	1549.5	1513.8	1483.4	1458.3	1392.2	1326.1	1258.4	1190.8	1132.3	1086.7
30°	1592.0	1580.6	1553.3	1526.7	1503.9	1443.1	1366.3	1280.5	1199.2	1123.9	1073.0
32.5°	1495.5	1523.6	1530.5	1526.7	1512.2	1468.9	1398.3	1307.8	1211.3	1120.1	1050.2
35°	1294.9	1345.8	1398.3	1426.4	1440.1	1446.1	1404.3	1321.5	1219.7	1114.0	1035.0
37.5°	1073.8	1123.2	1206.0	1247.8	1294.1	1354.9	1371.7	1318.5	1215.9	1109.5	1010.7
40°	882.3	945.3	1013.7	1051.7	1092.0	1201.4	1284.3	1278.2	1203.7	1092.8	991.7
42.5°	718.1	757.6	817.7	859.5	908.9	1031.2	1142.2	1196.9	1167.2	1072.2	967.4
45°	598.8	629.2	671.8	714.3	744.7	855.7	987.1	1076.8	1104.9	1035.8	930.1
47.5°	504.6	527.4	564.6	591.2	623.9	711.3	825.3	951.4	1010.7	984.1	890.6
50°	432.4	450.6	480.3	497.0	525.9	601.1	687.7	820.0	909.6	912.7	838.2
52.5°	369.3	387.6	412.6	427.1	444.6	495.5	582.9	694.6	797.9	835.9	778.2
55°	321.4	332.1	352.6	364.0	380.0	429.4	484.8	579.8	687.7	750.0	713.6
57.5°	277.4	288.8	301.7	310.8	322.2	361.7	411.9	483.3	590.5	658.1	645.9
60°	241.7	248.5	260.7	267.5	278.1	304.0	338.9	410.4	495.5	559.3	566.1
62.5°	208.2	214.3	222.7	228.7	235.6	256.1	281.9	332.8	407.3	476.5	485.6
65°	179.3	184.7	189.2	194.5	199.9	212.8	234.8	274.3	332.1	396.7	416.4
67.5°	153.5	155.0	161.9	162.6	165.7	175.5	191.5	223.4	265.2	316.9	342.7
70°	128.4	131.5	133.0	135.3	138.3	145.1	158.1	174.8	205.9	247.7	272.1
72.5°	104.1	104.9	107.1	108.7	111.7	117.0	123.1	136.0	155.8	186.2	208.2
75°	82.8	83.6	85.1	85.9	88.2	89.7	92.7	101.8	115.5	133.7	149.7
77.5°	62.3	63.8	65.4	65.4	66.1	67.6	69.2	72.2	79.0	91.2	104.9
80°	42.6	43.3	43.3	44.1	43.3	45.6	47.9	51.7	54.7	58.5	65.4
82.5°	29.6	29.6	29.6	30.4	30.4	31.2	31.2	31.9	32.7	35.0	38.0
85°	18.2	18.2	19.0	17.5	18.2	19.0	19.0	18.2	19.0	19.8	20.5
87.5°	7.6	7.6	8.4	8.4	8.4	8.4	7.6	8.4	7.6	8.4	8.4
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	15.1
97.5°	9.4	9.3	9.2	9.2	9.1	8.9	8.7	8.5	8.3	18.0	27.7
100°	10.4	10.9	11.3	11.5	19.1	34.3	49.5	64.7	79.9	79.5	79.1
102.5°	87.0	95.5	104.1	108.4	108.3	108.1	107.9	107.7	107.5	107.3	107.1
105°	136.6	136.7	136.8	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.6	167.0	167.4	167.6	167.6	167.5	167.4	167.3	167.2	167.0	166.8
110°	196.4	196.3	196.2	196.1	196.3	196.6	196.9	197.2	197.5	197.3	197.1

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	224.5	224.7	224.9	225.0	225.2	225.6	226.1	226.5	226.9	226.8	226.7
115°	252.9	253.5	254.1	254.4	254.6	255.0	255.5	255.9	256.3	256.2	256.1
117.5°	281.9	282.1	282.3	282.4	282.7	283.3	284.0	284.6	285.2	284.8	284.4
120°	309.6	310.1	310.6	310.9	311.0	311.2	311.4	311.6	311.8	311.5	311.2
122.5°	335.5	336.2	336.8	337.1	337.2	337.4	337.6	337.8	338.0	337.9	337.8
125°	361.1	361.4	361.7	361.9	362.1	362.5	362.9	363.3	363.7	363.7	363.7
127.5°	383.7	384.6	385.4	385.8	385.9	386.1	386.3	386.5	386.7	386.8	386.9
130°	407.0	407.5	408.0	408.3	408.5	408.8	409.1	409.4	409.7	409.6	409.5
132.5°	429.0	429.5	430.0	430.3	430.3	430.3	430.3	430.3	430.3	430.6	430.9
135°	449.0	449.6	450.2	450.5	450.6	450.8	451.0	451.2	451.4	451.6	451.8
137.5°	469.4	469.9	470.4	470.7	470.7	470.7	470.7	470.7	470.7	470.9	471.1
140°	487.6	488.2	488.8	489.1	489.0	488.8	488.6	488.4	488.2	488.3	488.4
142.5°	504.5	505.2	505.8	506.1	506.1	506.1	506.1	506.1	506.1	505.9	505.7
145°	521.1	521.7	522.3	522.6	522.6	522.5	522.4	522.3	522.2	522.2	522.2
147.5°	535.1	535.8	536.5	536.9	536.8	536.7	536.6	536.5	536.4	536.3	536.2
150°	548.6	549.4	550.2	550.6	550.5	550.3	550.1	549.9	549.7	549.5	549.3
152.5°	560.8	561.5	562.2	562.6	562.5	562.3	562.1	561.9	561.7	561.5	561.3
155°	571.5	572.4	573.2	573.6	573.4	573.1	572.8	572.5	572.2	572.0	571.8
157.5°	580.7	581.6	582.4	582.8	582.6	582.3	582.0	581.7	581.4	581.4	581.4
160°	589.4	590.3	591.1	591.5	591.3	590.9	590.5	590.1	589.7	589.6	589.5
162.5°	597.5	598.4	599.3	599.8	599.5	598.9	598.2	597.6	597.0	596.9	596.8
165°	604.1	605.0	605.8	606.2	605.9	605.3	604.7	604.1	603.5	603.4	603.3
167.5°	609.4	610.3	611.2	611.7	611.3	610.6	609.9	609.2	608.5	608.4	608.3
170°	613.6	614.5	615.4	615.9	615.5	614.7	613.8	613.0	612.2	612.1	612.0
172.5°	616.3	617.2	618.1	618.6	618.2	617.5	616.8	616.1	615.4	615.2	615.0
175°	618.6	619.5	620.4	620.9	620.5	619.7	618.8	618.0	617.2	617.1	617.0
177.5°	619.8	620.6	621.4	621.8	621.4	620.7	620.0	619.3	618.6	618.5	618.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	949.9	945.3	942.3	941.5	937.0	933.2	928.6	927.9	925.6	919.5	915.7
5°	979.5	968.9	966.6	959.8	948.4	940.0	929.4	923.3	916.5	905.1	895.9
7.5°	1009.9	995.5	984.9	975.0	959.0	943.8	928.6	916.5	904.3	887.6	873.9
10°	1039.6	1017.5	1004.6	990.2	968.1	945.3	924.1	906.6	886.8	867.1	847.3
12.5°	1066.9	1038.8	1019.8	999.3	971.9	943.8	916.5	892.1	871.6	845.0	823.0
15°	1083.6	1052.5	1033.5	1013.7	972.7	941.5	909.6	878.5	851.1	823.0	802.5
17.5°	1093.5	1058.6	1037.3	1019.1	977.3	934.7	893.7	860.2	830.6	797.2	769.8
20°	1089.0	1054.8	1035.0	1017.5	968.9	926.3	882.3	843.5	806.3	772.1	743.2
22.5°	1079.1	1043.4	1021.3	1005.4	962.1	911.9	863.3	821.5	782.7	748.5	715.8
25°	1057.8	1022.9	1003.9	984.1	941.5	893.7	844.3	799.4	758.4	721.9	685.4
27.5°	1038.8	996.3	976.5	959.0	914.2	871.6	823.0	773.6	731.8	693.8	657.3
30°	1016.8	968.9	947.6	924.1	883.8	843.5	794.9	749.3	706.0	665.7	630.7
32.5°	993.2	937.7	913.4	886.8	845.8	807.8	766.8	721.9	678.6	639.1	602.6
35°	962.8	903.5	875.4	850.4	807.8	769.8	731.8	694.6	651.3	609.5	574.5
37.5°	933.9	868.6	839.0	810.1	765.2	728.8	697.6	662.7	620.9	580.6	547.1
40°	901.3	826.0	795.6	769.0	722.7	682.4	654.3	626.9	590.5	551.7	515.2
42.5°	871.6	786.5	754.6	727.2	678.6	640.6	614.0	591.2	559.3	523.6	486.4
45°	830.6	744.0	711.3	682.4	633.0	597.3	569.9	550.2	525.1	491.7	458.2
47.5°	792.6	702.9	667.2	632.3	587.4	550.9	525.9	510.7	493.9	464.3	430.1
50°	746.2	655.8	619.3	590.5	539.5	508.4	483.3	472.7	457.5	429.4	402.0
52.5°	696.1	610.2	576.0	541.1	493.9	463.6	441.5	429.4	417.2	396.7	370.8
55°	637.6	559.3	527.4	496.2	449.1	421.0	401.2	388.3	381.5	362.5	343.5
57.5°	581.3	507.6	478.0	449.1	408.1	376.2	363.2	351.8	342.0	328.3	312.3
60°	524.3	457.5	425.6	399.7	364.0	335.1	324.5	313.1	305.5	294.8	283.5
62.5°	459.0	402.0	377.7	353.4	323.0	300.2	288.0	278.9	269.0	262.2	252.3
65°	389.8	349.6	326.0	307.8	278.9	258.4	249.3	243.2	234.8	228.0	220.4
67.5°	325.2	293.3	283.5	263.7	241.7	223.4	216.6	209.0	202.1	198.3	191.5
70°	262.9	240.1	230.3	224.9	200.6	188.5	182.4	179.3	171.0	167.2	162.6
72.5°	203.7	195.3	188.5	181.6	165.7	158.1	151.2	148.2	142.1	139.1	137.5
75°	150.5	145.1	141.3	140.6	133.7	126.1	119.3	117.8	113.2	110.2	108.7
77.5°	105.6	104.1	103.3	104.1	99.5	95.0	93.5	92.0	86.6	85.9	85.9
80°	69.2	73.0	73.0	72.2	70.7	69.9	67.6	66.1	63.1	62.3	63.1
82.5°	42.6	44.8	45.6	47.1	46.4	45.6	44.1	43.3	44.1	42.6	43.3
85°	21.3	22.8	25.8	25.8	26.6	26.6	26.6	25.8	24.3	25.1	24.3
87.5°	8.4	9.1	9.1	9.1	8.4	10.6	11.4	11.4	11.4	9.9	9.9
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°	19.0	22.9	24.8	25.0	25.3	25.6	25.9	26.2	25.9	25.6	25.3
97.5°	37.4	47.1	51.9	51.6	51.0	50.3	49.7	49.1	49.7	50.3	51.0
100°	78.7	78.3	78.1	77.9	77.6	77.3	77.0	76.7	77.0	77.3	77.6
102.5°	106.8	106.6	106.5	106.3	105.9	105.5	105.1	104.7	105.1	105.5	105.9
105°	136.9	136.9	136.9	136.7	136.3	135.8	135.4	135.0	135.4	135.8	136.3
107.5°	166.6	166.4	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
110°	196.9	196.7	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	226.6	226.5	226.4	226.2	225.9	225.6	225.3	225.0	225.3	225.6	225.9
115°	256.0	255.9	255.8	255.5	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	284.0	283.6	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
120°	310.9	310.6	310.5	310.5	310.6	310.7	310.8	310.9	310.8	310.7	310.6
122.5°	337.7	337.6	337.6	337.3	336.8	336.3	335.8	335.3	335.8	336.3	336.8
125°	363.7	363.7	363.7	363.3	362.6	361.9	361.2	360.5	361.2	361.9	362.6
127.5°	387.0	387.1	387.2	386.9	386.4	385.9	385.4	384.9	385.4	385.9	386.4
130°	409.4	409.3	409.2	408.9	408.4	407.9	407.4	406.9	407.4	407.9	408.4
132.5°	431.2	431.5	431.7	431.4	430.8	430.1	429.5	428.9	429.5	430.1	430.8
135°	452.1	452.3	452.4	452.1	451.5	450.8	450.2	449.6	450.2	450.8	451.5
137.5°	471.4	471.6	471.7	471.4	470.8	470.1	469.5	468.9	469.5	470.1	470.8
140°	488.5	488.6	488.6	488.5	488.3	488.1	487.9	487.7	487.9	488.1	488.3
142.5°	505.5	505.3	505.2	505.1	505.0	504.9	504.8	504.7	504.8	504.9	505.0
145°	522.2	522.2	522.2	522.1	521.9	521.7	521.5	521.3	521.5	521.7	521.9
147.5°	536.1	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
150°	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.5	549.3	549.1
152.5°	561.1	560.9	560.8	561.0	561.5	562.0	562.5	563.0	562.5	562.0	561.5
155°	571.6	571.4	571.3	571.6	572.2	572.9	573.5	574.1	573.5	572.9	572.2
157.5°	581.4	581.4	581.4	581.6	581.9	582.2	582.5	582.8	582.5	582.2	581.9
160°	589.4	589.3	589.2	589.5	590.1	590.8	591.4	592.0	591.4	590.8	590.1
162.5°	596.7	596.6	596.6	596.9	597.5	598.1	598.7	599.3	598.7	598.1	597.5
165°	603.2	603.1	603.0	603.3	603.9	604.6	605.2	605.8	605.2	604.6	603.9
167.5°	608.2	608.1	608.1	608.4	609.0	609.6	610.2	610.8	610.2	609.6	609.0
170°	611.9	611.8	611.7	612.1	612.8	613.5	614.2	614.9	614.2	613.5	612.8
172.5°	614.8	614.6	614.5	614.9	615.6	616.3	617.0	617.7	617.0	616.3	615.6
175°	616.9	616.8	616.8	617.1	617.7	618.3	618.9	619.5	618.9	618.3	617.7
177.5°	618.3	618.2	618.2	618.5	619.1	619.7	620.3	620.9	620.3	619.7	619.1
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	913.4	910.4	908.1	905.8	895.9	885.3	883.8	881.5	876.9	882.3	880.0
5°	889.9	883.0	879.2	869.4	857.2	848.1	840.5	831.4	827.6	824.5	823.8
7.5°	861.0	854.9	848.1	838.2	823.0	807.8	796.4	787.3	779.7	775.9	775.9
10°	832.9	825.3	816.2	799.4	785.0	766.0	753.8	744.7	734.1	728.0	722.7
12.5°	804.0	795.6	787.3	766.0	749.3	729.5	712.0	700.6	695.3	688.5	679.4
15°	775.1	762.2	753.8	732.6	711.3	691.5	680.1	668.0	655.8	649.0	645.9
17.5°	744.7	735.6	721.9	699.1	675.6	658.1	641.4	630.0	615.5	608.7	601.9
20°	717.4	703.7	690.0	667.2	644.4	620.9	604.1	590.5	581.3	576.0	569.9
22.5°	684.7	671.8	660.4	636.1	611.0	588.9	570.7	562.3	553.2	544.9	538.8
25°	656.6	643.7	632.3	605.7	578.3	557.8	544.1	533.5	523.6	519.8	513.7
27.5°	626.9	614.8	599.6	573.0	548.7	531.2	516.7	506.9	499.3	491.7	487.1
30°	598.8	585.1	571.5	542.6	522.8	505.3	491.7	479.5	473.4	469.6	462.0
32.5°	571.5	554.0	542.6	516.0	497.0	480.3	468.9	458.2	450.6	443.8	437.7
35°	541.8	522.8	511.4	489.4	469.6	452.9	443.0	435.4	426.3	420.2	417.2
37.5°	513.7	497.7	486.4	463.6	443.8	430.1	419.5	409.6	405.8	397.4	395.9
40°	483.3	469.6	459.0	437.0	418.7	408.1	396.7	387.6	380.7	376.9	371.6
42.5°	456.0	444.6	433.2	412.6	395.2	382.2	373.9	365.5	359.4	353.4	349.6
45°	430.9	418.7	408.1	388.3	370.8	359.4	351.1	341.2	339.7	331.3	327.5
47.5°	404.3	393.6	384.5	364.0	348.0	336.6	326.8	319.9	313.1	310.0	304.7
50°	378.4	367.8	357.2	338.9	324.5	313.1	303.2	295.6	291.8	287.3	282.7
52.5°	350.3	342.0	333.6	314.6	300.2	290.3	281.9	272.1	268.3	264.5	261.4
55°	326.8	314.6	305.5	289.5	276.6	266.0	256.9	249.3	245.5	242.4	238.6
57.5°	294.8	287.3	279.7	265.2	253.1	242.4	233.3	227.2	222.7	220.4	221.1
60°	267.5	259.1	254.6	239.4	227.2	218.9	210.5	204.4	199.9	197.6	196.8
62.5°	238.6	232.5	224.2	213.5	201.4	193.8	187.7	183.1	175.5	174.8	172.5
65°	210.5	205.9	198.3	188.5	178.6	171.7	164.9	158.8	155.8	152.0	149.7
67.5°	183.1	178.6	171.7	163.4	156.5	149.7	143.6	137.5	132.2	129.2	127.7
70°	156.5	152.7	148.2	138.3	129.9	124.6	120.1	116.3	110.9	109.4	108.7
72.5°	130.7	126.9	124.6	116.3	108.7	104.1	99.5	95.8	93.5	92.7	90.4
75°	107.1	103.3	100.3	92.7	88.2	85.1	80.6	79.0	76.8	76.0	75.2
77.5°	83.6	79.8	79.0	73.7	68.4	66.9	65.4	62.3	62.3	62.3	60.8
80°	60.0	59.3	58.5	53.2	50.9	49.4	48.6	46.4	44.8	43.3	42.6
82.5°	40.3	39.5	38.8	36.5	34.2	33.4	32.7	31.2	31.2	31.9	30.4
85°	24.3	22.8	22.0	21.3	19.8	19.8	20.5	19.8	19.8	19.8	19.0
87.5°	9.1	9.1	9.1	9.1	9.9	8.4	9.1	9.1	8.4	8.4	7.6
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°	25.0	24.8	22.9	19.0	15.1	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.6	51.9	47.1	37.4	27.7	18.0	8.3	8.5	8.7	8.9	9.1
100°	77.9	78.1	78.3	78.7	79.1	79.5	79.9	64.7	49.5	34.3	19.1
102.5°	106.3	106.5	106.6	106.8	107.1	107.3	107.5	107.7	107.9	108.1	108.3
105°	136.7	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.4	166.6	166.8	167.0	167.2	167.3	167.4	167.5	167.6
110°	196.6	196.6	196.7	196.9	197.1	197.3	197.5	197.2	196.9	196.6	196.3

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.2	226.4	226.5	226.6	226.7	226.8	226.9	226.5	226.1	225.6	225.2
115°	255.5	255.8	255.9	256.0	256.1	256.2	256.3	255.9	255.5	255.0	254.6
117.5°	283.4	283.4	283.6	284.0	284.4	284.8	285.2	284.6	284.0	283.3	282.7
120°	310.5	310.5	310.6	310.9	311.2	311.5	311.8	311.6	311.4	311.2	311.0
122.5°	337.3	337.6	337.6	337.7	337.8	337.9	338.0	337.8	337.6	337.4	337.2
125°	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3	362.9	362.5	362.1
127.5°	386.9	387.2	387.1	387.0	386.9	386.8	386.7	386.5	386.3	386.1	385.9
130°	408.9	409.2	409.3	409.4	409.5	409.6	409.7	409.4	409.1	408.8	408.5
132.5°	431.4	431.7	431.5	431.2	430.9	430.6	430.3	430.3	430.3	430.3	430.3
135°	452.1	452.4	452.3	452.1	451.8	451.6	451.4	451.2	451.0	450.8	450.6
137.5°	471.4	471.7	471.6	471.4	471.1	470.9	470.7	470.7	470.7	470.7	470.7
140°	488.5	488.6	488.6	488.5	488.4	488.3	488.2	488.4	488.6	488.8	489.0
142.5°	505.1	505.2	505.3	505.5	505.7	505.9	506.1	506.1	506.1	506.1	506.1
145°	522.1	522.2	522.2	522.2	522.2	522.2	522.2	522.3	522.4	522.5	522.6
147.5°	536.0	536.0	536.0	536.1	536.2	536.3	536.4	536.5	536.6	536.7	536.8
150°	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.9	550.1	550.3	550.5
152.5°	561.0	560.8	560.9	561.1	561.3	561.5	561.7	561.9	562.1	562.3	562.5
155°	571.6	571.3	571.4	571.6	571.8	572.0	572.2	572.5	572.8	573.1	573.4
157.5°	581.6	581.4	581.4	581.4	581.4	581.4	581.4	581.7	582.0	582.3	582.6
160°	589.5	589.2	589.3	589.4	589.5	589.6	589.7	590.1	590.5	590.9	591.3
162.5°	596.9	596.6	596.6	596.7	596.8	596.9	597.0	597.6	598.2	598.9	599.5
165°	603.3	603.0	603.1	603.2	603.3	603.4	603.5	604.1	604.7	605.3	605.9
167.5°	608.4	608.1	608.1	608.2	608.3	608.4	608.5	609.2	609.9	610.6	611.3
170°	612.1	611.7	611.8	611.9	612.0	612.1	612.2	613.0	613.8	614.7	615.5
172.5°	614.9	614.5	614.6	614.8	615.0	615.2	615.4	616.1	616.8	617.5	618.2
175°	617.1	616.8	616.8	616.9	617.0	617.1	617.2	618.0	618.8	619.7	620.5
177.5°	618.5	618.2	618.2	618.3	618.4	618.5	618.6	619.3	620.0	620.7	621.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	876.2	877.7	873.9	872.4	869.4	873.2	873.9	873.2	880.0	876.9	878.5
5°	825.3	822.2	820.0	814.6	814.6	815.4	817.7	813.9	816.2	821.5	820.7
7.5°	769.0	767.5	768.3	762.2	757.6	759.2	757.6	764.5	768.3	766.8	769.8
10°	718.1	721.2	714.3	711.3	708.2	711.3	710.5	712.0	716.6	719.6	725.0
12.5°	677.1	676.3	672.5	669.5	664.2	665.7	670.3	668.7	669.5	676.3	675.6
15°	638.3	633.8	630.7	623.9	625.4	620.1	624.7	630.0	632.3	638.3	642.1
17.5°	599.6	598.8	595.0	594.3	585.9	583.6	588.2	589.7	592.0	595.0	600.3
20°	566.9	566.1	560.8	559.3	552.5	557.0	555.5	558.5	560.1	566.1	568.4
22.5°	537.3	533.5	531.9	529.7	527.4	526.6	529.7	528.9	534.2	536.5	537.3
25°	509.9	506.9	506.1	502.3	500.8	498.5	500.8	503.1	509.1	511.4	514.5
27.5°	484.8	482.6	481.0	478.0	475.7	475.7	477.2	480.3	482.6	484.1	485.6
30°	462.0	460.5	456.0	454.4	452.2	452.2	452.2	453.7	457.5	462.0	464.3
32.5°	438.5	435.4	432.4	432.4	430.1	430.1	430.9	432.4	436.2	437.0	440.8
35°	415.7	412.6	410.4	408.8	409.6	406.6	408.1	410.4	414.9	416.4	418.7
37.5°	393.6	392.9	388.3	386.0	387.6	387.6	386.8	388.3	391.4	394.4	395.9
40°	369.3	367.8	367.8	365.5	366.3	363.2	365.5	367.0	368.6	371.6	373.9
42.5°	348.0	346.5	343.5	344.2	342.0	342.0	343.5	344.2	346.5	350.3	351.8
45°	325.2	325.2	323.7	321.4	322.2	319.9	321.4	322.2	325.2	329.0	327.5
47.5°	303.2	302.4	302.4	299.4	300.9	298.6	300.9	301.7	303.2	305.5	304.7
50°	281.9	279.7	280.4	279.7	278.9	278.9	280.4	280.4	281.9	281.9	284.2
52.5°	259.9	259.9	258.4	259.1	260.7	259.1	261.4	259.1	260.7	261.4	262.9
55°	240.1	238.6	239.4	238.6	241.7	239.4	241.7	240.1	241.7	240.9	242.4
57.5°	218.9	216.6	217.3	216.6	218.9	218.1	220.4	218.1	218.9	219.6	221.9
60°	194.5	194.5	194.5	193.0	195.3	195.3	194.5	194.5	197.6	199.1	198.3
62.5°	171.7	171.0	168.7	167.9	168.7	167.2	170.2	169.5	171.0	172.5	174.0
65°	146.7	145.1	144.4	142.9	142.9	142.1	142.9	145.9	146.7	147.4	151.2
67.5°	126.1	125.4	124.6	122.3	122.3	123.9	123.9	123.9	128.4	126.1	129.2
70°	107.9	106.4	104.9	104.1	104.1	104.9	105.6	106.4	105.6	108.7	109.4
72.5°	90.4	91.2	89.7	89.7	89.7	88.9	88.9	90.4	91.2	90.4	91.2
75°	75.2	75.2	74.5	75.2	75.2	74.5	74.5	76.0	76.0	75.2	77.5
77.5°	60.8	60.0	58.5	57.0	57.8	57.0	57.8	57.0	59.3	61.6	60.0
80°	42.6	41.8	41.8	41.8	42.6	41.8	43.3	41.8	42.6	42.6	43.3
82.5°	30.4	31.2	31.2	30.4	31.2	30.4	31.2	31.2	31.2	30.4	31.2
85°	19.8	19.8	19.8	19.8	19.0	19.8	19.8	19.8	20.5	19.8	20.5
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	9.1	8.4	9.1
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°	9.2	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.2
100°	11.5	11.3	10.9	10.4	10.0	9.6	10.0	10.4	10.9	11.3	11.5
102.5°	108.4	104.1	95.5	87.0	78.4	69.8	78.4	87.0	95.5	104.1	108.4
105°	136.9	136.8	136.7	136.6	136.5	136.4	136.5	136.6	136.7	136.8	136.9
107.5°	167.6	167.4	167.0	166.6	166.2	165.8	166.2	166.6	167.0	167.4	167.6
110°	196.1	196.2	196.3	196.4	196.5	196.6	196.5	196.4	196.3	196.2	196.1

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	225.0	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7	224.9	225.0
115°	254.4	254.1	253.5	252.9	252.3	251.7	252.3	252.9	253.5	254.1	254.4
117.5°	282.4	282.3	282.1	281.9	281.7	281.5	281.7	281.9	282.1	282.3	282.4
120°	310.9	310.6	310.1	309.6	309.1	308.6	309.1	309.6	310.1	310.6	310.9
122.5°	337.1	336.8	336.2	335.5	334.9	334.3	334.9	335.5	336.2	336.8	337.1
125°	361.9	361.7	361.4	361.1	360.8	360.5	360.8	361.1	361.4	361.7	361.9
127.5°	385.8	385.4	384.6	383.7	382.9	382.1	382.9	383.7	384.6	385.4	385.8
130°	408.3	408.0	407.5	407.0	406.5	406.0	406.5	407.0	407.5	408.0	408.3
132.5°	430.3	430.0	429.5	429.0	428.5	428.0	428.5	429.0	429.5	430.0	430.3
135°	450.5	450.2	449.6	449.0	448.4	447.8	448.4	449.0	449.6	450.2	450.5
137.5°	470.7	470.4	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.7
140°	489.1	488.8	488.2	487.6	487.0	486.4	487.0	487.6	488.2	488.8	489.1
142.5°	506.1	505.8	505.2	504.5	503.9	503.3	503.9	504.5	505.2	505.8	506.1
145°	522.6	522.3	521.7	521.1	520.5	519.9	520.5	521.1	521.7	522.3	522.6
147.5°	536.9	536.5	535.8	535.1	534.4	533.7	534.4	535.1	535.8	536.5	536.9
150°	550.6	550.2	549.4	548.6	547.8	547.0	547.8	548.6	549.4	550.2	550.6
152.5°	562.6	562.2	561.5	560.8	560.1	559.4	560.1	560.8	561.5	562.2	562.6
155°	573.6	573.2	572.4	571.5	570.7	569.9	570.7	571.5	572.4	573.2	573.6
157.5°	582.8	582.4	581.6	580.7	579.9	579.1	579.9	580.7	581.6	582.4	582.8
160°	591.5	591.1	590.3	589.4	588.6	587.8	588.6	589.4	590.3	591.1	591.5
162.5°	599.8	599.3	598.4	597.5	596.6	595.7	596.6	597.5	598.4	599.3	599.8
165°	606.2	605.8	605.0	604.1	603.3	602.5	603.3	604.1	605.0	605.8	606.2
167.5°	611.7	611.2	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.7
170°	615.9	615.4	614.5	613.6	612.6	611.7	612.6	613.6	614.5	615.4	615.9
172.5°	618.6	618.1	617.2	616.3	615.4	614.5	615.4	616.3	617.2	618.1	618.6
175°	620.9	620.4	619.5	618.6	617.7	616.8	617.7	618.6	619.5	620.4	620.9
177.5°	621.8	621.4	620.6	619.8	619.0	618.2	619.0	619.8	620.6	621.4	621.8
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	875.4	879.2	876.2	873.9	880.0	883.0	883.0	888.3	893.7	898.2	899.0
5°	821.5	827.6	829.1	828.3	837.4	842.0	851.9	857.2	864.8	870.1	876.2
7.5°	772.1	780.4	781.2	782.7	796.4	804.0	812.4	826.0	836.7	844.3	851.1
10°	722.7	728.0	733.3	740.2	753.8	766.8	778.9	793.4	807.0	814.6	824.5
12.5°	685.4	689.2	695.3	699.9	714.3	725.7	741.7	761.4	781.2	787.3	799.4
15°	646.7	649.0	661.1	665.7	677.9	696.8	706.7	725.7	747.0	758.4	772.1
17.5°	601.9	615.5	623.1	628.5	643.7	658.9	674.8	694.6	721.9	732.6	742.4
20°	569.9	579.8	588.2	595.0	608.7	631.5	645.9	661.9	687.7	699.9	714.3
22.5°	541.8	550.2	557.8	565.4	574.5	595.0	611.7	633.8	659.6	671.0	687.7
25°	515.2	523.6	528.1	537.3	549.4	563.9	583.6	603.4	629.2	642.1	658.1
27.5°	489.4	497.7	506.1	513.7	522.1	535.7	549.4	574.5	601.1	616.3	630.0
30°	467.4	471.2	478.8	487.1	495.5	508.4	524.3	541.8	572.2	585.9	602.6
32.5°	443.0	449.9	455.2	461.3	471.9	482.6	497.0	519.0	543.3	556.3	574.5
35°	420.2	426.3	430.1	440.8	447.6	459.0	473.4	493.2	513.7	528.1	544.1
37.5°	398.2	404.3	408.8	414.9	424.0	433.9	449.1	463.6	487.9	500.0	518.3
40°	375.4	380.7	386.0	392.9	401.2	413.4	422.5	440.8	460.5	474.2	487.9
42.5°	353.4	356.4	362.5	370.1	378.4	389.1	402.0	416.4	436.2	448.4	460.5
45°	329.8	335.1	342.0	347.3	354.9	365.5	376.9	389.8	409.6	421.8	434.7
47.5°	307.8	311.6	316.1	324.5	334.4	342.0	354.1	366.3	384.5	395.9	408.1
50°	285.0	288.8	295.6	300.9	308.5	318.4	329.8	342.7	360.2	367.8	380.0
52.5°	263.7	265.2	272.1	277.4	285.0	296.4	305.5	316.9	333.6	342.0	354.1
55°	242.4	243.9	247.7	253.1	261.4	270.5	280.4	293.3	307.8	315.4	326.8
57.5°	220.4	221.9	225.7	229.5	237.9	246.2	257.6	268.3	282.7	289.5	300.2
60°	198.3	198.3	202.1	207.5	213.5	221.1	231.0	243.9	254.6	262.9	270.5
62.5°	174.8	177.1	179.3	183.1	190.0	199.1	207.5	216.6	229.5	235.6	242.4
65°	151.2	153.5	158.1	161.9	167.2	173.3	183.9	191.5	201.4	208.2	214.3
67.5°	130.7	133.0	136.0	140.6	144.4	151.2	158.8	166.4	177.1	181.6	186.2
70°	109.4	111.7	114.0	120.1	123.9	129.2	134.5	142.1	151.2	154.3	158.1
72.5°	92.7	93.5	96.5	98.0	103.3	107.9	114.0	118.5	125.4	129.2	132.2
75°	78.3	78.3	79.0	80.6	83.6	86.6	91.2	95.8	101.8	104.1	107.9
77.5°	61.6	63.8	63.1	64.6	66.1	67.6	71.4	74.5	80.6	82.1	83.6
80°	44.1	44.8	47.1	49.4	49.4	51.7	54.0	54.7	58.5	60.8	60.8
82.5°	31.9	32.7	31.9	32.7	33.4	34.2	36.5	39.5	39.5	40.3	41.8
85°	19.8	19.8	20.5	21.3	21.3	20.5	22.0	21.3	22.0	23.6	23.6
87.5°	9.9	9.1	9.1	9.1	9.1	9.1	9.9	9.1	9.9	9.9	9.9
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	15.1	19.0	22.9	24.8	25.0
97.5°	9.1	8.9	8.7	8.5	8.3	18.0	27.7	37.4	47.1	51.9	51.6
100°	19.1	34.3	49.5	64.7	79.9	79.5	79.1	78.7	78.3	78.1	77.9
102.5°	108.3	108.1	107.9	107.7	107.5	107.3	107.1	106.8	106.6	106.5	106.3
105°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.7
107.5°	167.6	167.5	167.4	167.3	167.2	167.0	166.8	166.6	166.4	166.3	166.3
110°	196.3	196.6	196.9	197.2	197.5	197.3	197.1	196.9	196.7	196.6	196.6

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	225.2	225.6	226.1	226.5	226.9	226.8	226.7	226.6	226.5	226.4	226.2
115°	254.6	255.0	255.5	255.9	256.3	256.2	256.1	256.0	255.9	255.8	255.5
117.5°	282.7	283.3	284.0	284.6	285.2	284.8	284.4	284.0	283.6	283.4	283.4
120°	311.0	311.2	311.4	311.6	311.8	311.5	311.2	310.9	310.6	310.5	310.5
122.5°	337.2	337.4	337.6	337.8	338.0	337.9	337.8	337.7	337.6	337.6	337.3
125°	362.1	362.5	362.9	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3
127.5°	385.9	386.1	386.3	386.5	386.7	386.8	386.9	387.0	387.1	387.2	386.9
130°	408.5	408.8	409.1	409.4	409.7	409.6	409.5	409.4	409.3	409.2	408.9
132.5°	430.3	430.3	430.3	430.3	430.3	430.6	430.9	431.2	431.5	431.7	431.4
135°	450.6	450.8	451.0	451.2	451.4	451.6	451.8	452.1	452.3	452.4	452.1
137.5°	470.7	470.7	470.7	470.7	470.7	470.9	471.1	471.4	471.6	471.7	471.4
140°	489.0	488.8	488.6	488.4	488.2	488.3	488.4	488.5	488.6	488.6	488.5
142.5°	506.1	506.1	506.1	506.1	506.1	505.9	505.7	505.5	505.3	505.2	505.1
145°	522.6	522.5	522.4	522.3	522.2	522.2	522.2	522.2	522.2	522.2	522.1
147.5°	536.8	536.7	536.6	536.5	536.4	536.3	536.2	536.1	536.0	536.0	536.0
150°	550.5	550.3	550.1	549.9	549.7	549.5	549.3	549.1	548.9	548.8	548.9
152.5°	562.5	562.3	562.1	561.9	561.7	561.5	561.3	561.1	560.9	560.8	561.0
155°	573.4	573.1	572.8	572.5	572.2	572.0	571.8	571.6	571.4	571.3	571.6
157.5°	582.6	582.3	582.0	581.7	581.4	581.4	581.4	581.4	581.4	581.4	581.6
160°	591.3	590.9	590.5	590.1	589.7	589.6	589.5	589.4	589.3	589.2	589.5
162.5°	599.5	598.9	598.2	597.6	597.0	596.9	596.8	596.7	596.6	596.6	596.9
165°	605.9	605.3	604.7	604.1	603.5	603.4	603.3	603.2	603.1	603.0	603.3
167.5°	611.3	610.6	609.9	609.2	608.5	608.4	608.3	608.2	608.1	608.1	608.4
170°	615.5	614.7	613.8	613.0	612.2	612.1	612.0	611.9	611.8	611.7	612.1
172.5°	618.2	617.5	616.8	616.1	615.4	615.2	615.0	614.8	614.6	614.5	614.9
175°	620.5	619.7	618.8	618.0	617.2	617.1	617.0	616.9	616.8	616.8	617.1
177.5°	621.4	620.7	620.0	619.3	618.6	618.5	618.4	618.3	618.2	618.2	618.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	925.6	925.6	925.6	925.6
2.5°	904.3	911.1	918.0	926.3
5°	886.1	898.2	911.1	923.3
7.5°	866.3	883.8	900.5	918.0
10°	844.3	866.3	885.3	909.6
12.5°	820.0	843.5	870.1	897.5
15°	795.6	825.3	853.4	884.5
17.5°	772.8	801.0	832.1	869.4
20°	745.5	776.6	811.6	851.1
22.5°	716.6	750.8	788.8	831.4
25°	692.3	727.2	763.7	808.6
27.5°	665.7	702.2	737.9	785.8
30°	635.3	674.8	711.3	760.7
32.5°	606.4	645.9	686.2	732.6
35°	578.3	617.1	657.3	704.4
37.5°	551.7	586.7	626.2	668.7
40°	526.6	558.5	593.5	632.3
42.5°	494.7	531.9	564.6	592.7
45°	467.4	497.7	528.1	550.9
47.5°	435.4	465.8	491.7	509.9
50°	408.8	433.2	454.4	470.4
52.5°	376.9	399.7	417.2	429.4
55°	345.8	365.5	380.7	389.1
57.5°	317.6	330.6	342.0	349.6
60°	286.5	296.4	306.2	314.6
62.5°	253.1	263.7	269.0	278.1
65°	223.4	230.3	238.6	241.7
67.5°	194.5	198.3	203.7	209.7
70°	164.1	166.4	171.7	180.1
72.5°	137.5	139.8	143.6	146.7
75°	109.4	111.7	114.7	117.8
77.5°	85.9	86.6	88.2	91.2
80°	62.3	64.6	66.1	66.9
82.5°	43.3	44.1	44.1	44.8
85°	27.4	25.8	25.8	26.6
87.5°	9.9	11.4	11.4	12.9
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.3	25.6	25.9	26.2
97.5°	51.0	50.3	49.7	49.1
100°	77.6	77.3	77.0	76.7
102.5°	105.9	105.5	105.1	104.7
105°	136.3	135.8	135.4	135.0
107.5°	166.3	166.3	166.3	166.3
110°	196.6	196.6	196.6	196.6

TEST NUMBER: P1034872

CATALOG NUMBER: S125RDIW-B610D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.9	225.6	225.3	225.0
115°	255.0	254.5	254.0	253.5
117.5°	283.4	283.4	283.4	283.4
120°	310.6	310.7	310.8	310.9
122.5°	336.8	336.3	335.8	335.3
125°	362.6	361.9	361.2	360.5
127.5°	386.4	385.9	385.4	384.9
130°	408.4	407.9	407.4	406.9
132.5°	430.8	430.1	429.5	428.9
135°	451.5	450.8	450.2	449.6
137.5°	470.8	470.1	469.5	468.9
140°	488.3	488.1	487.9	487.7
142.5°	505.0	504.9	504.8	504.7
145°	521.9	521.7	521.5	521.3
147.5°	536.0	536.0	536.0	536.0
150°	549.1	549.3	549.5	549.7
152.5°	561.5	562.0	562.5	563.0
155°	572.2	572.9	573.5	574.1
157.5°	581.9	582.2	582.5	582.8
160°	590.1	590.8	591.4	592.0
162.5°	597.5	598.1	598.7	599.3
165°	603.9	604.6	605.2	605.8
167.5°	609.0	609.6	610.2	610.8
170°	612.8	613.5	614.2	614.9
172.5°	615.6	616.3	617.0	617.7
175°	617.7	618.3	618.9	619.5
177.5°	619.1	619.7	620.3	620.9
180°	619.5	619.5	619.5	619.5

(END OF REPORT)