

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: P1029545

Luminaire Tested: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029545
REPORT IS A COMBINATION OF REPORTS P986209 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

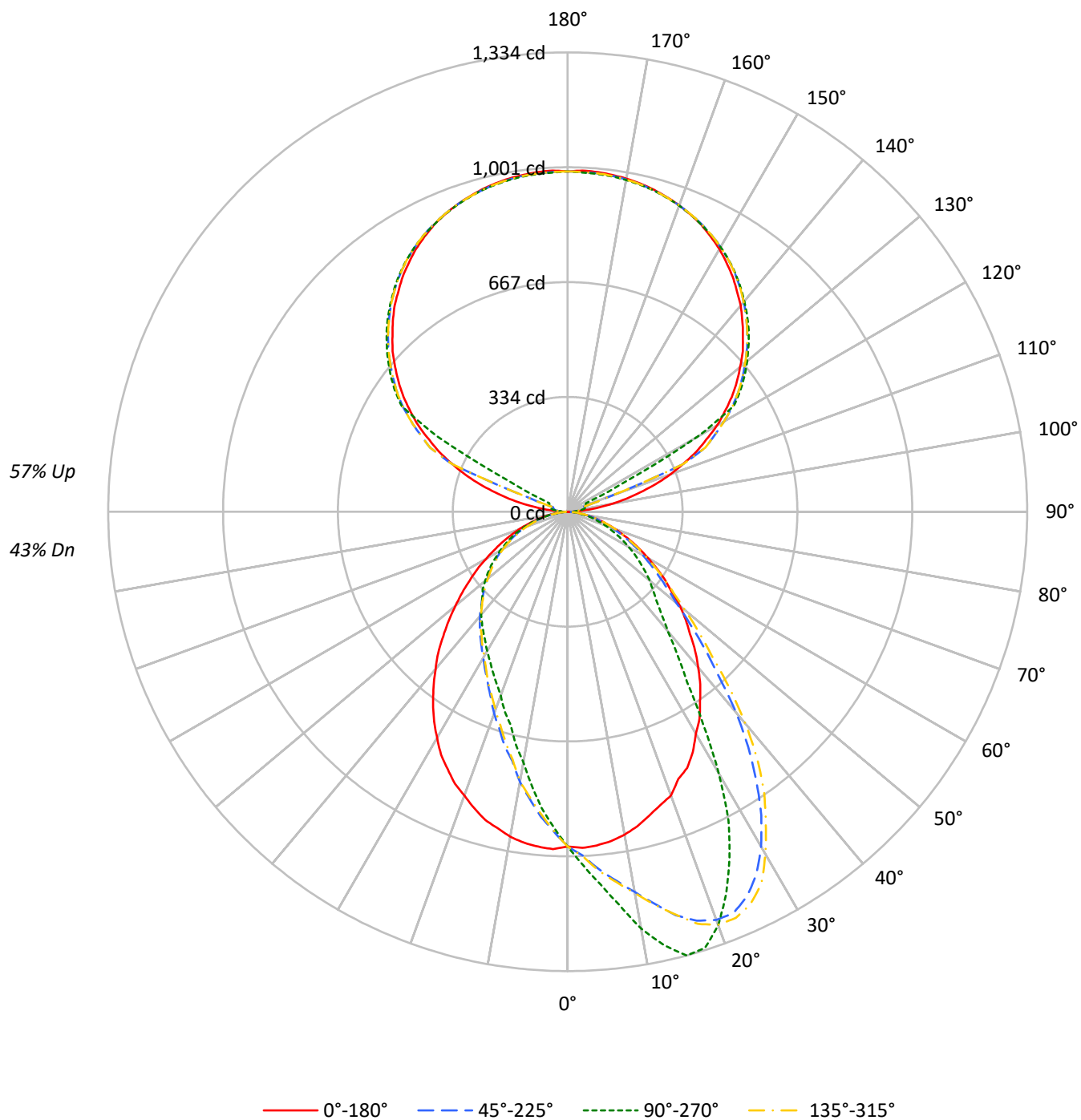
Lumens per Lamp: N/A
Luminaire Lumens: 5043.0 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 47.2
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



TEST NUMBER: P1029545

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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49			43
1	97	92	89	85	88	85	81	79	70	68	66	57	55	54	44	43	42			37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	39	38	36			31
3	81	72	65	59	74	66	60	55	55	50	47	45	42	39	35	33	31			27
4	74	64	56	50	67	59	52	47	49	44	40	40	37	34	32	29	27			24
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	29	26	24			21
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	26	24	21			18
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19			17
8	54	42	35	29	49	39	32	28	33	28	24	27	24	21	22	19	17			15
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	21	18	16			14
10	47	35	28	24	43	33	26	22	28	23	20	23	20	17	19	16	14			12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15383	15383	15383	15383
5°	15419	16401	15478	13049
10°	15240	17905	15336	10758
15°	14871	18885	15077	9062
20°	14638	17732	14638	7877
25°	14172	15233	14236	7044
30°	13404	11974	13659	6380
35°	12724	8280	12937	5837
40°	11943	6252	12079	5404
45°	10979	5138	11158	4937
50°	10147	4510	10163	4520
55°	9196	3842	9254	4066
60°	8181	3210	8296	3549
65°	7277	2610	7408	3031
70°	6370	2049	6535	2445
75°	5348	1487	5555	1772
80°	4176	942	4471	1051
85°	2740	475	2952	350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.8
10°-20°	269.4	5.3
20°-30°	391.0	7.8
30°-40°	412.2	8.2
40°-50°	364.7	7.2
50°-60°	291.2	5.8
60°-70°	197.8	3.9
70°-80°	101.2	2.0
80°-90°	25.7	0.5
90°-100°	32.6	0.6
100°-110°	121.5	2.4
110°-120°	322.2	6.4
120°-130°	534.4	10.6
130°-140°	567.6	11.3
140°-150°	527.5	10.5
150°-160°	424.1	8.4
160°-170°	273.3	5.4
170°-180°	94.1	1.9
0°-30°	752.9	14.9
0°-40°	1165.1	23.1
0°-60°	1821.1	36.1
0°-90°	2145.7	42.5
90°-120°	476.3	9.4
90°-150°	2105.8	41.8
90°-180°	2897.0	57.4
0°-180°	5043.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	972	972	972	972	972	
5°	972	1085	976	864	972	92
15°	914	1334	926	640	914	258
25°	821	1111	825	514	821	375
35°	670	605	681	426	670	419
45°	503	364	511	350	503	390
55°	345	256	347	271	345	308
65°	205	158	208	183	205	203
75°	96	78	99	93	96	103
85°	19	20	21	15	19	23
90°	1	19	1	19	1	4
95°	46	31	46	31	46	55
105°	217	54	217	54	217	232
115°	411	59	411	59	411	405
125°	581	611	581	611	581	519
135°	719	743	719	743	719	556
145°	834	847	834	847	834	522
155°	919	920	919	920	919	423
165°	968	966	968	966	968	274
175°	990	985	990	985	990	94
180°	988	988	988	988	988	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	977.0	979.2	983.0	983.7	991.2	997.2	1003.9	1003.9	1006.1	1005.4	999.4
5°	972.5	979.2	988.9	997.2	1010.6	1016.6	1025.5	1032.3	1038.2	1042.7	1042.0
7.5°	965.0	977.0	991.2	1006.9	1024.8	1035.3	1047.9	1059.9	1068.1	1075.6	1080.8
10°	952.3	972.5	991.9	1012.8	1036.0	1050.2	1065.1	1080.8	1093.5	1107.7	1121.1
12.5°	935.2	964.3	988.2	1015.8	1044.2	1059.9	1083.8	1095.8	1120.4	1156.3	1166.0
15°	913.5	953.1	975.5	1010.6	1047.9	1060.6	1093.5	1112.9	1163.7	1186.1	1213.0
17.5°	893.3	937.4	967.3	1007.6	1044.2	1068.9	1101.0	1140.6	1183.1	1215.3	1245.1
20°	876.9	919.5	955.3	1000.1	1046.5	1077.8	1111.4	1159.2	1205.6	1238.4	1261.6
22.5°	839.6	894.1	935.9	986.0	1042.0	1085.3	1117.4	1169.7	1219.7	1239.9	1260.1
25°	820.9	867.9	916.5	973.3	1039.0	1090.5	1118.2	1176.4	1220.5	1228.0	1232.4
27.5°	786.5	839.6	896.3	961.3	1038.2	1081.6	1116.7	1169.7	1204.8	1199.6	1186.1
30°	743.9	808.9	871.7	941.9	1027.8	1074.8	1107.7	1156.3	1174.2	1147.3	1123.4
32.5°	712.6	773.8	843.3	924.7	1015.8	1060.6	1092.8	1130.9	1134.6	1086.0	1045.7
35°	670.0	738.0	816.4	902.3	995.7	1036.0	1065.9	1089.0	1071.1	1003.1	955.3
37.5°	631.9	699.1	782.8	870.2	968.0	1007.6	1031.5	1035.3	991.2	931.4	861.2
40°	590.1	659.5	746.9	838.8	937.4	971.8	986.7	975.5	912.0	842.5	761.1
42.5°	548.2	617.0	711.1	805.2	898.6	927.7	933.7	903.0	825.4	743.9	649.8
45°	502.7	574.4	668.5	763.4	853.7	870.2	870.9	826.9	735.0	649.8	562.4
47.5°	465.3	531.8	625.2	720.0	796.2	807.4	803.0	752.2	652.1	556.5	480.3
50°	424.3	487.7	580.4	673.7	738.7	741.7	730.5	658.0	560.2	472.8	412.3
52.5°	380.2	444.4	529.6	619.2	677.5	673.0	651.3	573.6	481.8	409.3	363.0
55°	345.1	401.9	481.8	569.2	610.2	597.5	573.6	494.5	422.0	360.8	320.4
57.5°	306.2	356.3	434.7	510.9	534.8	522.9	499.0	425.0	357.8	311.5	284.6
60°	269.6	315.2	383.9	447.4	466.1	453.4	425.8	359.3	310.7	271.9	251.7
62.5°	236.0	275.6	333.1	391.4	398.9	386.2	362.3	308.5	266.7	236.0	221.1
65°	204.7	242.0	288.3	332.4	339.1	325.7	301.0	262.2	227.1	207.6	193.5
67.5°	174.0	203.9	245.0	277.1	280.8	268.1	248.0	216.6	194.9	174.0	163.6
70°	147.1	169.6	201.7	227.8	229.3	217.4	206.9	178.5	162.1	147.1	138.9
72.5°	121.0	136.7	161.3	180.8	181.5	174.0	164.3	146.4	132.2	121.8	113.5
75°	95.6	109.1	124.0	141.2	140.4	134.4	127.0	115.8	103.8	97.1	93.4
77.5°	73.2	81.4	93.4	104.6	104.6	101.6	97.1	88.9	81.4	74.7	71.0
80°	52.3	57.5	67.2	71.0	72.5	71.7	68.0	62.0	59.0	53.8	52.3
82.5°	33.6	37.3	41.8	45.6	47.8	46.3	45.6	42.6	38.1	36.6	35.1
85°	19.4	20.9	23.2	25.4	26.1	25.4	26.9	24.6	22.4	22.4	21.7
87.5°	8.2	9.0	10.5	10.5	11.2	11.2	10.5	11.2	11.2	10.5	9.7
90°	0.7	2.5	4.2	6.0	7.7	8.6	9.2	10.5	11.8	13.0	14.3
92.5°	17.9	17.3	16.6	16.0	15.3	15.0	15.2	15.7	16.2	16.7	17.2
95°	46.5	41.3	36.0	30.8	25.5	22.9	23.5	24.6	25.7	26.8	27.9
97.5°	83.7	70.7	57.6	44.6	31.5	25.0	26.3	28.8	31.4	33.9	36.5
100°	126.6	104.8	83.0	61.3	39.5	28.6	30.0	32.7	35.4	38.1	40.8
102.5°	173.8	173.5	173.1	172.8	172.5	172.3	157.8	128.9	100.0	71.1	42.2
105°	217.4	222.2	226.9	231.7	236.4	238.8	217.1	173.7	130.4	87.0	43.6
107.5°	268.2	272.2	276.1	280.1	284.0	286.0	259.2	205.7	152.2	98.6	45.1
110°	316.8	320.1	323.5	326.8	330.1	331.8	308.8	262.9	217.0	171.0	125.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	362.6	365.4	368.3	371.1	374.0	375.4	374.1	371.4	368.7	366.0	363.3
115°	411.2	413.9	416.6	419.3	422.0	423.3	425.3	429.3	433.2	437.2	441.2
117.5°	453.4	456.6	459.8	462.9	466.1	467.7	469.0	471.7	474.4	477.1	479.8
120°	500.6	503.0	505.4	507.7	510.1	511.3	512.7	515.6	518.5	521.3	524.2
122.5°	540.6	543.2	545.7	548.3	550.8	552.1	553.7	556.9	560.0	563.2	566.4
125°	581.4	583.5	585.5	587.6	589.7	590.7	592.2	595.2	598.3	601.3	604.3
127.5°	618.6	620.8	623.0	625.3	627.5	628.6	629.8	632.2	634.5	636.9	639.3
130°	653.6	656.1	658.7	661.2	663.7	665.0	665.9	667.6	669.4	671.1	672.9
132.5°	689.4	691.5	693.5	695.6	697.7	698.7	699.6	701.3	703.0	704.8	706.5
135°	719.4	721.9	724.5	727.0	729.5	730.8	731.5	733.0	734.4	735.9	737.3
137.5°	750.9	752.8	754.7	756.6	758.5	759.4	760.2	761.8	763.4	765.0	766.6
140°	781.6	782.9	784.1	785.4	786.7	787.3	788.2	789.9	791.7	793.4	795.2
142.5°	807.3	808.4	809.6	810.7	811.8	812.4	813.4	815.5	817.6	819.6	821.7
145°	834.5	834.3	834.2	834.0	833.9	833.8	835.2	837.9	840.6	843.3	846.0
147.5°	858.1	857.6	857.2	856.7	856.2	856.0	857.3	860.0	862.7	865.4	868.1
150°	881.0	879.9	878.8	877.7	876.6	876.0	877.3	879.8	882.3	884.9	887.4
152.5°	900.3	899.0	897.8	896.5	895.2	894.6	895.8	898.2	900.5	902.9	905.3
155°	918.9	917.5	916.1	914.6	913.2	912.5	913.5	915.4	917.3	919.2	921.1
157.5°	933.9	932.6	931.4	930.1	928.8	928.2	928.9	930.3	931.8	933.2	934.6
160°	946.8	945.8	944.9	943.9	943.0	942.5	943.0	943.9	944.9	945.8	946.8
162.5°	958.2	957.2	956.3	955.3	954.4	953.9	954.3	955.1	955.9	956.7	957.5
165°	968.2	967.3	966.3	965.4	964.5	964.0	964.2	964.7	965.2	965.6	966.1
167.5°	976.1	975.1	974.2	973.2	972.3	971.8	972.0	972.5	973.0	973.5	974.0
170°	982.5	981.6	980.6	979.7	978.8	978.3	978.5	978.8	979.1	979.4	979.7
172.5°	986.8	985.8	984.9	983.9	983.0	982.5	982.7	983.0	983.3	983.7	984.0
175°	990.4	989.3	988.2	987.1	986.0	985.4	985.6	985.9	986.2	986.5	986.8
177.5°	991.8	990.7	989.6	988.5	987.4	986.8	986.9	987.1	987.2	987.4	987.6
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1009.9	1010.6	1012.1	1019.6	1023.3	1024.0	1021.1	1027.8	1030.0	1027.8	1026.3
5°	1057.7	1062.1	1071.1	1080.8	1080.1	1080.8	1085.3	1089.8	1091.3	1085.3	1087.5
7.5°	1099.5	1108.4	1118.2	1133.1	1133.1	1140.6	1143.6	1147.3	1156.3	1151.8	1150.3
10°	1147.3	1159.2	1177.2	1201.1	1201.8	1209.3	1216.8	1228.7	1232.4	1229.5	1230.9
12.5°	1207.0	1230.2	1231.7	1257.8	1269.8	1271.3	1283.2	1281.0	1288.5	1288.5	1301.2
15°	1233.2	1269.0	1289.2	1314.6	1322.1	1313.1	1322.8	1333.3	1334.0	1334.0	1333.3
17.5°	1280.2	1294.4	1314.6	1328.0	1331.0	1331.0	1331.8	1336.3	1333.3	1327.3	1331.8
20°	1290.0	1295.9	1303.4	1301.9	1303.4	1295.9	1288.5	1281.0	1281.7	1278.0	1289.2
22.5°	1272.0	1270.5	1253.4	1242.2	1242.2	1227.2	1213.0	1206.3	1199.6	1201.8	1205.6
25°	1227.2	1204.1	1183.1	1166.7	1163.0	1139.1	1119.7	1113.7	1102.5	1111.4	1112.9
27.5°	1155.5	1129.4	1095.8	1081.6	1062.1	1052.4	1039.0	1021.1	997.9	1011.3	1009.1
30°	1078.6	1039.7	1012.1	977.7	947.1	944.9	919.5	889.6	877.6	877.6	884.4
32.5°	992.7	941.1	900.8	852.3	822.4	809.7	779.1	749.2	755.9	733.5	741.7
35°	892.6	824.6	773.8	726.8	704.4	689.4	649.8	633.4	615.5	605.0	624.4
37.5°	797.0	718.6	653.6	602.0	593.8	566.9	540.0	529.6	519.1	523.6	522.9
40°	680.5	611.0	552.7	512.4	498.2	485.5	467.6	454.9	448.2	451.9	452.6
42.5°	575.1	516.9	473.6	445.2	433.2	424.3	415.3	404.8	402.6	402.6	405.6
45°	493.7	445.9	416.8	393.6	386.9	380.2	373.5	369.0	367.5	364.5	366.7
47.5°	428.7	390.6	372.7	355.5	348.1	346.6	340.6	338.4	335.4	334.6	335.4
50°	374.2	350.3	333.9	324.2	318.9	316.7	313.7	309.2	307.7	311.5	310.0
52.5°	336.1	313.7	304.7	295.0	292.1	289.1	284.6	285.3	284.6	283.1	283.1
55°	298.0	283.8	274.9	267.4	266.7	263.7	259.9	258.4	257.7	256.2	258.4
57.5°	267.4	256.2	248.0	241.3	238.3	238.3	234.5	231.5	231.5	230.8	231.5
60°	236.8	225.6	220.3	213.6	211.4	210.6	208.4	206.9	204.7	204.7	204.7
62.5°	208.4	199.4	193.5	187.5	188.2	184.5	181.5	180.0	180.0	180.8	180.8
65°	181.5	175.5	168.1	162.8	161.3	160.6	159.1	158.3	156.1	157.6	157.6
67.5°	156.9	148.6	144.2	141.9	139.7	138.9	137.4	135.9	135.2	134.4	135.9
70°	132.2	125.5	121.8	120.3	118.0	117.3	116.5	114.3	115.0	115.8	116.5
72.5°	109.8	103.8	103.1	98.6	98.6	98.6	95.6	97.1	96.4	94.9	96.4
75°	86.6	83.7	82.2	79.9	80.7	79.9	79.2	76.9	76.9	77.7	78.4
77.5°	68.7	65.7	65.0	62.7	61.2	62.7	61.2	60.5	60.5	61.2	61.2
80°	50.8	49.3	47.1	47.1	47.1	46.3	46.3	46.3	45.6	44.8	45.6
82.5°	33.6	33.6	32.9	32.1	32.9	31.4	32.1	32.1	32.1	32.1	32.1
85°	21.7	20.9	20.9	20.2	20.2	20.2	20.9	19.4	19.4	20.2	20.2
87.5°	9.7	9.7	9.7	10.5	9.7	9.7	9.7	10.5	9.7	9.7	9.7
90°	15.1	15.9	16.7	17.5	17.9	18.1	18.4	18.7	19.0	19.3	19.0
92.5°	17.5	17.8	18.1	18.4	18.6	18.7	18.8	19.0	19.1	19.3	19.1
95°	28.7	29.5	30.3	31.1	31.5	31.4	31.2	31.1	30.9	30.7	30.9
97.5°	37.0	37.4	37.9	38.4	38.6	38.7	38.8	39.0	39.1	39.3	39.1
100°	42.1	43.3	44.6	45.9	46.5	46.7	47.0	47.3	47.6	47.9	47.6
102.5°	44.0	45.7	47.5	49.2	50.1	50.3	50.8	51.3	51.7	52.2	51.7
105°	45.4	47.1	48.9	50.6	51.5	51.8	52.4	53.1	53.7	54.3	53.7
107.5°	46.8	48.6	50.3	52.0	52.9	53.2	53.9	54.5	55.2	55.8	55.2
110°	109.2	93.3	77.4	61.5	53.6	53.9	54.6	55.2	55.9	56.5	55.9

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	294.8	226.3	157.8	89.3	55.1	55.3	55.8	56.3	56.7	57.2	56.7
115°	367.6	294.0	220.5	146.9	110.1	104.4	92.9	81.5	70.0	58.6	70.0
117.5°	457.1	434.4	411.7	389.0	377.6	356.8	315.1	273.5	231.8	190.2	231.8
120°	526.1	528.0	529.9	531.8	532.8	522.1	500.6	479.1	457.7	436.2	457.7
122.5°	567.4	568.3	569.3	570.2	570.7	570.8	570.9	571.1	571.2	571.4	571.2
125°	605.4	606.5	607.6	608.7	609.3	609.5	610.0	610.5	610.9	611.4	610.9
127.5°	640.9	642.5	644.1	645.7	646.5	646.6	646.7	646.9	647.0	647.2	647.0
130°	674.7	676.4	678.2	679.9	680.8	680.7	680.6	680.4	680.3	680.1	680.3
132.5°	707.9	709.4	710.8	712.3	713.0	712.9	712.7	712.6	712.4	712.2	712.4
135°	738.9	740.5	742.0	743.6	744.4	744.2	743.9	743.6	743.3	743.0	743.3
137.5°	768.2	769.8	771.3	772.9	773.7	773.5	773.0	772.5	772.1	771.6	772.1
140°	796.6	798.0	799.5	800.9	801.6	801.2	800.4	799.7	798.9	798.1	798.9
142.5°	823.0	824.2	825.5	826.8	827.4	827.0	826.2	825.4	824.6	823.8	824.6
145°	847.1	848.2	849.3	850.4	851.0	850.6	849.8	849.0	848.2	847.4	848.2
147.5°	868.9	869.7	870.5	871.3	871.7	871.4	870.7	870.1	869.4	868.8	869.4
150°	888.4	889.3	890.3	891.2	891.7	891.3	890.5	889.8	889.0	888.2	889.0
152.5°	906.3	907.2	908.2	909.1	909.6	909.0	907.9	906.8	905.7	904.6	905.7
155°	922.0	923.0	923.9	924.8	925.3	924.7	923.4	922.1	920.9	919.6	920.9
157.5°	935.7	936.8	937.9	939.0	939.6	939.0	937.7	936.4	935.2	933.9	935.2
160°	947.8	948.7	949.7	950.6	951.1	950.5	949.4	948.3	947.2	946.1	947.2
162.5°	958.6	959.7	960.8	961.9	962.5	961.8	960.4	958.9	957.5	956.1	957.5
165°	967.2	968.3	969.4	970.5	971.1	970.5	969.4	968.3	967.2	966.1	967.2
167.5°	975.1	976.2	977.3	978.4	979.0	978.3	976.8	975.4	973.9	972.5	973.9
170°	980.8	981.9	983.0	984.1	984.7	984.0	982.6	981.1	979.7	978.3	979.7
172.5°	985.1	986.2	987.3	988.4	989.0	988.3	986.8	985.4	983.9	982.5	983.9
175°	987.9	989.0	990.1	991.2	991.8	991.0	989.4	987.9	986.3	984.7	986.3
177.5°	988.7	989.8	990.9	992.0	992.6	991.9	990.4	989.0	987.5	986.1	987.5
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1030.0	1024.8	1020.3	1021.1	1024.8	1021.8	1014.3	1004.6	1000.9	996.4	1000.9
5°	1092.0	1087.5	1078.6	1079.3	1077.1	1074.1	1062.1	1047.2	1047.2	1035.3	1033.8
7.5°	1153.3	1146.5	1140.6	1139.1	1130.9	1124.9	1114.4	1093.5	1085.3	1071.1	1062.9
10°	1222.0	1216.8	1210.0	1201.8	1197.3	1186.9	1169.7	1139.1	1124.1	1104.7	1090.5
12.5°	1291.4	1290.7	1275.8	1259.3	1258.6	1242.2	1230.2	1189.1	1169.0	1142.8	1109.2
15°	1335.5	1331.8	1323.6	1315.4	1317.6	1299.7	1272.8	1224.2	1210.8	1179.4	1143.6
17.5°	1334.8	1334.8	1332.5	1331.0	1328.8	1323.6	1308.6	1276.5	1254.8	1215.3	1181.6
20°	1292.2	1301.9	1304.1	1303.4	1310.9	1314.6	1313.9	1293.7	1276.5	1241.4	1207.0
22.5°	1207.0	1229.5	1239.2	1245.1	1260.8	1269.0	1288.5	1281.0	1276.5	1250.4	1221.2
25°	1127.9	1135.3	1164.5	1166.0	1187.6	1207.8	1227.2	1239.9	1256.3	1246.6	1222.0
27.5°	1025.5	1042.7	1063.6	1079.3	1083.8	1124.9	1157.0	1180.9	1218.2	1221.2	1213.0
30°	909.8	918.0	952.3	973.3	997.2	1027.0	1073.3	1114.4	1148.0	1178.7	1189.1
32.5°	768.6	802.2	822.4	847.8	868.7	921.7	978.5	1031.5	1070.4	1121.9	1144.3
35°	639.4	665.5	699.9	710.3	748.4	793.2	867.2	935.2	994.2	1046.5	1092.0
37.5°	532.6	553.5	590.1	606.5	628.9	686.4	748.4	832.8	903.8	968.0	1024.8
40°	459.4	475.0	502.7	507.9	526.6	578.9	628.9	708.1	802.2	888.9	950.8
42.5°	409.3	416.8	435.5	442.2	454.1	489.2	534.1	608.8	696.1	785.8	873.2
45°	373.5	378.7	389.9	395.9	410.8	426.5	463.1	522.9	591.6	682.0	776.1
47.5°	341.3	348.1	352.6	356.3	364.5	381.7	405.6	449.7	515.4	598.3	689.4
50°	314.5	316.7	324.9	325.7	330.9	342.1	364.5	391.4	443.7	510.9	599.0
52.5°	287.6	289.8	295.0	300.3	302.5	311.5	326.4	348.8	387.7	440.7	519.1
55°	260.7	263.7	268.9	272.6	274.9	282.3	291.3	313.0	343.6	380.9	445.2
57.5°	233.8	240.5	242.0	244.2	248.0	256.2	264.4	277.1	301.0	335.4	382.4
60°	208.4	210.6	215.9	218.1	221.8	226.3	236.8	246.5	263.7	290.6	333.1
62.5°	182.3	187.5	189.7	192.0	194.9	200.2	206.9	217.4	232.3	254.0	287.6
65°	159.8	160.6	165.1	168.1	171.0	174.8	181.5	191.2	200.2	220.3	245.0
67.5°	138.2	139.7	141.2	144.2	147.9	151.6	157.6	162.8	174.0	187.5	206.9
70°	117.3	117.3	121.0	123.2	122.5	127.0	131.5	137.4	145.7	158.3	174.0
72.5°	98.6	97.8	100.8	101.6	103.1	106.1	109.1	115.0	119.5	129.2	141.2
75°	78.4	79.9	81.4	81.4	83.7	85.9	88.9	91.9	97.1	103.1	112.0
77.5°	62.0	62.0	63.5	64.2	66.5	65.7	68.7	71.7	75.4	80.7	87.4
80°	45.6	47.1	47.1	47.1	47.8	48.6	51.5	53.8	56.0	59.8	62.7
82.5°	32.1	32.1	33.6	33.6	33.6	35.1	35.1	35.9	37.3	39.6	41.8
85°	20.2	20.2	20.2	20.9	20.2	20.9	22.4	21.7	22.4	23.9	23.9
87.5°	9.7	9.7	9.7	9.7	9.7	10.5	9.7	10.5	11.2	11.2	11.2
90°	18.7	18.4	18.1	17.9	17.5	16.7	15.9	15.1	14.3	13.0	11.8
92.5°	19.0	18.8	18.7	18.6	18.4	18.1	17.8	17.5	17.2	16.7	16.2
95°	31.1	31.2	31.4	31.5	31.1	30.3	29.5	28.7	27.9	26.8	25.7
97.5°	39.0	38.8	38.7	38.6	38.4	37.9	37.4	37.0	36.5	33.9	31.4
100°	47.3	47.0	46.7	46.5	45.9	44.6	43.3	42.1	40.8	38.1	35.4
102.5°	51.3	50.8	50.3	50.1	49.2	47.5	45.7	44.0	42.2	71.1	100.0
105°	53.1	52.4	51.8	51.5	50.6	48.9	47.1	45.4	43.6	87.0	130.4
107.5°	54.5	53.9	53.2	52.9	52.0	50.3	48.6	46.8	45.1	98.6	152.2
110°	55.2	54.6	53.9	53.6	61.5	77.4	93.3	109.2	125.1	171.0	217.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	56.3	55.8	55.3	55.1	89.3	157.8	226.3	294.8	363.3	366.0	368.7
115°	81.5	92.9	104.4	110.1	146.9	220.5	294.0	367.6	441.2	437.2	433.2
117.5°	273.5	315.1	356.8	377.6	389.0	411.7	434.4	457.1	479.8	477.1	474.4
120°	479.1	500.6	522.1	532.8	531.8	529.9	528.0	526.1	524.2	521.3	518.5
122.5°	571.1	570.9	570.8	570.7	570.2	569.3	568.3	567.4	566.4	563.2	560.0
125°	610.5	610.0	609.5	609.3	608.7	607.6	606.5	605.4	604.3	601.3	598.3
127.5°	646.9	646.7	646.6	646.5	645.7	644.1	642.5	640.9	639.3	636.9	634.5
130°	680.4	680.6	680.7	680.8	679.9	678.2	676.4	674.7	672.9	671.1	669.4
132.5°	712.6	712.7	712.9	713.0	712.3	710.8	709.4	707.9	706.5	704.8	703.0
135°	743.6	743.9	744.2	744.4	743.6	742.0	740.5	738.9	737.3	735.9	734.4
137.5°	772.5	773.0	773.5	773.7	772.9	771.3	769.8	768.2	766.6	765.0	763.4
140°	799.7	800.4	801.2	801.6	800.9	799.5	798.0	796.6	795.2	793.4	791.7
142.5°	825.4	826.2	827.0	827.4	826.8	825.5	824.2	823.0	821.7	819.6	817.6
145°	849.0	849.8	850.6	851.0	850.4	849.3	848.2	847.1	846.0	843.3	840.6
147.5°	870.1	870.7	871.4	871.7	871.3	870.5	869.7	868.9	868.1	865.4	862.7
150°	889.8	890.5	891.3	891.7	891.2	890.3	889.3	888.4	887.4	884.9	882.3
152.5°	906.8	907.9	909.0	909.6	909.1	908.2	907.2	906.3	905.3	902.9	900.5
155°	922.1	923.4	924.7	925.3	924.8	923.9	923.0	922.0	921.1	919.2	917.3
157.5°	936.4	937.7	939.0	939.6	939.0	937.9	936.8	935.7	934.6	933.2	931.8
160°	948.3	949.4	950.5	951.1	950.6	949.7	948.7	947.8	946.8	945.8	944.9
162.5°	958.9	960.4	961.8	962.5	961.9	960.8	959.7	958.6	957.5	956.7	955.9
165°	968.3	969.4	970.5	971.1	970.5	969.4	968.3	967.2	966.1	965.6	965.2
167.5°	975.4	976.8	978.3	979.0	978.4	977.3	976.2	975.1	974.0	973.5	973.0
170°	981.1	982.6	984.0	984.7	984.1	983.0	981.9	980.8	979.7	979.4	979.1
172.5°	985.4	986.8	988.3	989.0	988.4	987.3	986.2	985.1	984.0	983.7	983.3
175°	987.9	989.4	991.0	991.8	991.2	990.1	989.0	987.9	986.8	986.5	986.2
177.5°	989.0	990.4	991.9	992.6	992.0	990.9	989.8	988.7	987.6	987.4	987.2
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	997.2	993.4	991.2	992.7	988.2	977.0	977.0	980.7	976.2	971.8	965.0
5°	1024.8	1017.3	1012.8	1012.1	1001.6	983.7	980.0	976.2	966.5	956.1	944.9
7.5°	1051.7	1038.2	1030.8	1025.5	1010.6	987.4	977.7	969.5	953.8	938.1	924.0
10°	1074.1	1054.7	1045.7	1037.5	1018.1	988.9	973.3	958.3	938.1	918.0	900.1
12.5°	1092.0	1069.6	1058.4	1046.5	1022.6	984.5	965.0	941.1	921.0	894.1	876.2
15°	1121.9	1075.6	1065.1	1053.9	1029.3	977.0	953.1	926.2	898.6	862.7	843.3
17.5°	1145.8	1083.8	1083.1	1059.2	1027.0	974.0	937.4	902.3	872.4	836.6	805.9
20°	1160.0	1096.5	1084.5	1059.9	1019.6	953.8	915.7	876.9	844.8	801.5	770.8
22.5°	1171.9	1114.4	1083.1	1053.2	1003.9	947.1	891.1	854.5	810.4	763.4	734.2
25°	1176.4	1118.2	1085.3	1050.9	992.7	927.7	864.2	824.6	775.3	732.7	693.2
27.5°	1177.2	1117.4	1077.1	1041.2	977.0	902.3	837.3	795.5	741.0	691.7	652.1
30°	1169.7	1109.2	1072.6	1033.8	962.1	879.1	804.4	758.1	699.9	650.6	609.5
32.5°	1147.3	1092.8	1062.9	1020.3	942.6	847.0	773.1	721.5	660.3	611.7	572.2
35°	1109.9	1072.6	1039.7	1000.1	917.2	817.1	741.7	681.2	619.2	572.9	535.6
37.5°	1063.6	1043.5	1012.8	974.0	888.1	790.3	706.6	639.4	577.4	532.6	496.0
40°	1000.9	1006.1	976.2	941.1	853.7	753.7	661.0	596.8	538.5	496.7	460.9
42.5°	932.9	954.6	937.4	903.8	815.7	713.3	627.4	556.5	499.7	456.4	426.5
45°	859.7	897.1	886.6	862.0	776.1	670.7	579.6	510.9	460.9	419.0	392.9
47.5°	779.8	832.8	832.8	814.9	732.0	628.2	538.5	468.3	419.0	389.2	363.8
50°	698.4	758.1	767.8	755.9	682.7	579.6	488.5	425.0	382.4	353.3	334.6
52.5°	613.2	682.7	700.6	694.6	630.4	533.3	447.4	385.4	346.6	321.2	304.7
55°	531.8	612.5	631.9	634.1	574.4	482.5	401.9	347.3	310.0	292.8	278.6
57.5°	454.9	532.6	554.2	558.0	517.6	436.2	359.3	311.5	277.9	263.7	252.5
60°	389.2	454.1	482.5	490.7	455.6	382.4	319.7	273.4	248.0	234.5	224.1
62.5°	335.4	387.7	417.5	419.8	404.1	335.4	278.6	239.8	218.1	206.2	200.9
65°	283.1	330.1	348.1	357.0	344.3	290.6	240.5	208.4	191.2	180.8	175.5
67.5°	241.3	271.1	286.1	298.0	285.3	245.0	204.7	178.5	165.8	155.4	152.4
70°	197.9	222.6	233.8	245.7	234.5	203.9	174.8	150.9	139.7	131.5	127.7
72.5°	158.3	177.8	188.2	195.7	189.0	163.6	139.7	123.2	115.0	109.1	106.8
75°	125.5	138.9	144.9	150.1	147.1	127.7	112.8	99.3	91.9	86.6	85.2
77.5°	95.6	105.3	112.0	113.5	109.8	97.1	84.4	76.2	70.2	67.2	65.7
80°	68.0	73.9	77.7	79.9	76.2	71.0	62.0	56.0	50.8	47.1	46.3
82.5°	45.6	48.6	51.5	50.8	49.3	44.8	39.6	36.6	34.4	31.4	31.4
85°	26.1	26.9	28.4	29.1	28.4	25.4	22.4	20.9	19.4	17.2	17.2
87.5°	11.2	12.0	12.0	12.7	11.2	11.2	9.7	8.2	8.2	7.5	6.7
90°	10.5	9.2	8.6	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.7	15.2	15.0	15.3	16.0	16.6	17.3	17.9	17.3	16.6	16.0
95°	24.6	23.5	22.9	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	28.8	26.3	25.0	31.5	44.6	57.6	70.7	83.7	70.7	57.6	44.6
100°	32.7	30.0	28.6	39.5	61.3	83.0	104.8	126.6	104.8	83.0	61.3
102.5°	128.9	157.8	172.3	172.5	172.8	173.1	173.5	173.8	173.5	173.1	172.8
105°	173.7	217.1	238.8	236.4	231.7	226.9	222.2	217.4	222.2	226.9	231.7
107.5°	205.7	259.2	286.0	284.0	280.1	276.1	272.2	268.2	272.2	276.1	280.1
110°	262.9	308.8	331.8	330.1	326.8	323.5	320.1	316.8	320.1	323.5	326.8

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	371.4	374.1	375.4	374.0	371.1	368.3	365.4	362.6	365.4	368.3	371.1
115°	429.3	425.3	423.3	422.0	419.3	416.6	413.9	411.2	413.9	416.6	419.3
117.5°	471.7	469.0	467.7	466.1	462.9	459.8	456.6	453.4	456.6	459.8	462.9
120°	515.6	512.7	511.3	510.1	507.7	505.4	503.0	500.6	503.0	505.4	507.7
122.5°	556.9	553.7	552.1	550.8	548.3	545.7	543.2	540.6	543.2	545.7	548.3
125°	595.2	592.2	590.7	589.7	587.6	585.5	583.5	581.4	583.5	585.5	587.6
127.5°	632.2	629.8	628.6	627.5	625.3	623.0	620.8	618.6	620.8	623.0	625.3
130°	667.6	665.9	665.0	663.7	661.2	658.7	656.1	653.6	656.1	658.7	661.2
132.5°	701.3	699.6	698.7	697.7	695.6	693.5	691.5	689.4	691.5	693.5	695.6
135°	733.0	731.5	730.8	729.5	727.0	724.5	721.9	719.4	721.9	724.5	727.0
137.5°	761.8	760.2	759.4	758.5	756.6	754.7	752.8	750.9	752.8	754.7	756.6
140°	789.9	788.2	787.3	786.7	785.4	784.1	782.9	781.6	782.9	784.1	785.4
142.5°	815.5	813.4	812.4	811.8	810.7	809.6	808.4	807.3	808.4	809.6	810.7
145°	837.9	835.2	833.8	833.9	834.0	834.2	834.3	834.5	834.3	834.2	834.0
147.5°	860.0	857.3	856.0	856.2	856.7	857.2	857.6	858.1	857.6	857.2	856.7
150°	879.8	877.3	876.0	876.6	877.7	878.8	879.9	881.0	879.9	878.8	877.7
152.5°	898.2	895.8	894.6	895.2	896.5	897.8	899.0	900.3	899.0	897.8	896.5
155°	915.4	913.5	912.5	913.2	914.6	916.1	917.5	918.9	917.5	916.1	914.6
157.5°	930.3	928.9	928.2	928.8	930.1	931.4	932.6	933.9	932.6	931.4	930.1
160°	943.9	943.0	942.5	943.0	943.9	944.9	945.8	946.8	945.8	944.9	943.9
162.5°	955.1	954.3	953.9	954.4	955.3	956.3	957.2	958.2	957.2	956.3	955.3
165°	964.7	964.2	964.0	964.5	965.4	966.3	967.3	968.2	967.3	966.3	965.4
167.5°	972.5	972.0	971.8	972.3	973.2	974.2	975.1	976.1	975.1	974.2	973.2
170°	978.8	978.5	978.3	978.8	979.7	980.6	981.6	982.5	981.6	980.6	979.7
172.5°	983.0	982.7	982.5	983.0	983.9	984.9	985.8	986.8	985.8	984.9	983.9
175°	985.9	985.6	985.4	986.0	987.1	988.2	989.3	990.4	989.3	988.2	987.1
177.5°	987.1	986.9	986.8	987.4	988.5	989.6	990.7	991.8	990.7	989.6	988.5
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	961.3	965.0	964.3	956.8	948.6	941.9	929.2	930.7	926.2	926.9	931.4
5°	937.4	937.4	934.4	924.0	910.5	903.0	888.9	885.1	876.2	875.4	874.7
7.5°	912.0	908.3	904.5	889.6	873.2	861.2	841.8	837.3	828.3	822.4	819.4
10°	882.1	876.9	869.4	852.3	832.1	817.1	797.0	791.0	773.8	766.4	761.9
12.5°	849.3	846.3	834.3	820.1	787.3	770.8	741.7	747.7	730.5	715.6	713.3
15°	816.4	805.2	798.5	775.3	735.7	728.3	705.1	693.2	677.5	665.5	665.5
17.5°	784.3	767.1	752.2	727.5	698.4	677.5	660.3	654.3	634.9	622.9	620.7
20°	741.7	722.3	718.6	683.4	663.3	640.1	623.7	608.8	594.6	589.3	585.6
22.5°	701.4	679.0	673.0	643.1	622.9	599.8	583.4	572.9	562.4	558.7	552.0
25°	658.0	644.6	635.6	603.5	581.1	559.5	548.2	540.8	531.1	530.3	525.8
27.5°	616.2	603.5	594.6	563.9	547.5	527.3	518.4	510.2	504.9	502.7	500.4
30°	580.4	566.2	555.7	533.3	513.1	496.7	489.2	484.0	481.0	477.3	476.5
32.5°	540.8	532.6	518.4	501.2	485.5	469.8	465.3	461.6	457.1	455.6	454.9
35°	507.2	496.0	487.0	467.6	460.9	447.4	442.2	439.2	433.2	431.7	430.2
37.5°	474.3	463.8	454.1	442.2	429.5	422.0	419.0	414.5	411.6	412.3	410.8
40°	441.4	433.2	425.8	413.1	405.6	401.9	395.9	391.4	389.9	390.6	389.9
42.5°	409.3	401.9	397.4	387.7	380.2	376.5	372.7	368.2	370.5	370.5	372.7
45°	380.2	373.5	370.5	363.0	358.5	352.6	348.8	348.1	351.1	350.3	350.3
47.5°	350.3	348.1	344.3	337.6	331.6	327.9	327.2	327.2	330.1	331.6	330.9
50°	327.2	322.7	318.2	313.0	308.5	307.0	304.7	306.2	309.2	309.2	310.7
52.5°	298.0	295.0	293.5	289.1	286.1	286.1	286.1	286.8	289.1	291.3	290.6
55°	272.6	270.4	268.9	266.7	262.9	263.7	262.9	264.4	266.7	268.9	270.4
57.5°	245.7	245.0	243.5	239.8	239.8	239.0	241.3	242.0	245.7	247.2	249.5
60°	221.8	219.6	219.6	216.6	216.6	216.6	218.9	221.1	224.1	224.8	226.3
62.5°	196.4	196.4	195.7	193.5	193.5	195.7	196.4	199.4	200.9	200.9	203.2
65°	172.5	171.8	171.0	171.8	172.5	172.5	174.8	176.3	177.8	178.5	179.3
67.5°	148.6	147.9	149.4	148.6	150.1	153.1	152.4	154.6	156.9	156.9	157.6
70°	126.2	127.7	127.0	128.5	127.7	129.2	131.5	132.2	132.2	133.0	135.2
72.5°	105.3	105.3	105.3	104.6	105.3	106.8	108.3	109.1	110.5	111.3	113.5
75°	85.2	85.2	83.7	85.2	85.2	86.6	88.1	88.1	88.1	89.6	91.9
77.5°	64.2	65.0	64.2	65.7	65.7	66.5	68.0	67.2	68.7	69.5	70.2
80°	47.1	46.3	46.3	46.3	47.1	47.1	48.6	49.3	49.3	51.5	50.0
82.5°	29.9	30.6	29.9	30.6	30.6	31.4	30.6	31.4	32.1	33.6	32.9
85°	17.2	16.4	16.4	17.2	16.4	16.4	17.2	16.4	17.2	16.4	17.2
87.5°	6.7	6.0	6.0	6.0	6.0	5.2	5.2	4.5	4.5	4.5	3.7
90°	7.7	8.6	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5
92.5°	15.3	15.0	15.2	15.7	16.2	16.7	17.2	17.5	17.8	18.1	18.4
95°	25.5	22.9	23.5	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1
97.5°	31.5	25.0	26.3	28.8	31.4	33.9	36.5	37.0	37.4	37.9	38.4
100°	39.5	28.6	30.0	32.7	35.4	38.1	40.8	42.1	43.3	44.6	45.9
102.5°	172.5	172.3	157.8	128.9	100.0	71.1	42.2	44.0	45.7	47.5	49.2
105°	236.4	238.8	217.1	173.7	130.4	87.0	43.6	45.4	47.1	48.9	50.6
107.5°	284.0	286.0	259.2	205.7	152.2	98.6	45.1	46.8	48.6	50.3	52.0
110°	330.1	331.8	308.8	262.9	217.0	171.0	125.1	109.2	93.3	77.4	61.5

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	374.0	375.4	374.1	371.4	368.7	366.0	363.3	294.8	226.3	157.8	89.3
115°	422.0	423.3	425.3	429.3	433.2	437.2	441.2	367.6	294.0	220.5	146.9
117.5°	466.1	467.7	469.0	471.7	474.4	477.1	479.8	457.1	434.4	411.7	389.0
120°	510.1	511.3	512.7	515.6	518.5	521.3	524.2	526.1	528.0	529.9	531.8
122.5°	550.8	552.1	553.7	556.9	560.0	563.2	566.4	567.4	568.3	569.3	570.2
125°	589.7	590.7	592.2	595.2	598.3	601.3	604.3	605.4	606.5	607.6	608.7
127.5°	627.5	628.6	629.8	632.2	634.5	636.9	639.3	640.9	642.5	644.1	645.7
130°	663.7	665.0	665.9	667.6	669.4	671.1	672.9	674.7	676.4	678.2	679.9
132.5°	697.7	698.7	699.6	701.3	703.0	704.8	706.5	707.9	709.4	710.8	712.3
135°	729.5	730.8	731.5	733.0	734.4	735.9	737.3	738.9	740.5	742.0	743.6
137.5°	758.5	759.4	760.2	761.8	763.4	765.0	766.6	768.2	769.8	771.3	772.9
140°	786.7	787.3	788.2	789.9	791.7	793.4	795.2	796.6	798.0	799.5	800.9
142.5°	811.8	812.4	813.4	815.5	817.6	819.6	821.7	823.0	824.2	825.5	826.8
145°	833.9	833.8	835.2	837.9	840.6	843.3	846.0	847.1	848.2	849.3	850.4
147.5°	856.2	856.0	857.3	860.0	862.7	865.4	868.1	868.9	869.7	870.5	871.3
150°	876.6	876.0	877.3	879.8	882.3	884.9	887.4	888.4	889.3	890.3	891.2
152.5°	895.2	894.6	895.8	898.2	900.5	902.9	905.3	906.3	907.2	908.2	909.1
155°	913.2	912.5	913.5	915.4	917.3	919.2	921.1	922.0	923.0	923.9	924.8
157.5°	928.8	928.2	928.9	930.3	931.8	933.2	934.6	935.7	936.8	937.9	939.0
160°	943.0	942.5	943.0	943.9	944.9	945.8	946.8	947.8	948.7	949.7	950.6
162.5°	954.4	953.9	954.3	955.1	955.9	956.7	957.5	958.6	959.7	960.8	961.9
165°	964.5	964.0	964.2	964.7	965.2	965.6	966.1	967.2	968.3	969.4	970.5
167.5°	972.3	971.8	972.0	972.5	973.0	973.5	974.0	975.1	976.2	977.3	978.4
170°	978.8	978.3	978.5	978.8	979.1	979.4	979.7	980.8	981.9	983.0	984.1
172.5°	983.0	982.5	982.7	983.0	983.3	983.7	984.0	985.1	986.2	987.3	988.4
175°	986.0	985.4	985.6	985.9	986.2	986.5	986.8	987.9	989.0	990.1	991.2
177.5°	987.4	986.8	986.9	987.1	987.2	987.4	987.6	988.7	989.8	990.9	992.0
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	926.2	928.4	923.2	921.7	923.2	918.0	919.5	921.0	921.0	923.2	924.7
5°	872.4	869.4	864.2	862.7	861.2	863.5	862.0	864.2	864.9	870.2	870.9
7.5°	819.4	814.9	810.4	805.9	804.4	800.7	804.4	804.4	809.7	808.2	811.9
10°	756.6	755.9	749.9	747.7	744.7	738.7	746.9	744.7	748.4	755.1	756.6
12.5°	710.3	702.1	705.9	695.4	699.1	693.2	693.9	693.9	699.9	700.6	699.1
15°	666.3	659.5	649.8	645.4	643.1	640.1	649.8	650.6	646.1	656.6	652.8
17.5°	621.4	621.4	612.5	610.2	604.3	607.3	605.8	606.5	605.0	612.5	616.2
20°	582.6	578.9	575.9	576.6	569.2	567.7	566.2	567.7	572.9	578.1	579.6
22.5°	551.2	549.0	541.5	543.0	537.0	539.3	537.8	541.5	542.3	542.3	547.5
25°	521.4	518.4	519.1	516.1	513.9	513.9	511.6	513.9	516.9	518.4	519.1
27.5°	499.0	496.7	493.0	490.7	492.2	488.5	491.5	493.7	493.7	492.2	493.7
30°	472.1	473.6	473.6	466.1	469.1	467.6	469.8	471.3	471.3	472.1	470.6
32.5°	454.1	449.7	448.9	448.2	448.2	445.2	445.2	447.4	448.2	448.9	451.1
35°	430.2	430.2	426.5	428.7	425.8	426.5	425.8	426.5	428.0	425.8	428.0
37.5°	408.6	409.3	407.8	409.3	410.1	408.6	407.1	410.1	408.6	408.6	407.1
40°	389.9	389.2	389.9	389.9	389.9	390.6	389.2	389.2	389.2	387.7	386.2
42.5°	374.2	369.7	371.2	372.0	369.7	369.7	370.5	369.7	372.0	367.5	367.5
45°	351.8	350.3	351.1	351.1	352.6	350.3	351.8	352.6	350.3	349.6	348.1
47.5°	331.6	333.1	331.6	333.1	333.1	334.6	331.6	332.4	333.1	330.1	327.9
50°	311.5	311.5	313.7	313.0	313.7	312.2	312.2	311.5	312.2	310.7	308.5
52.5°	292.8	290.6	294.3	293.5	292.8	292.1	291.3	292.1	290.6	289.1	289.1
55°	269.6	269.6	271.9	272.6	272.6	271.1	269.6	270.4	269.6	268.9	268.1
57.5°	251.0	248.0	249.5	250.2	250.2	248.0	249.5	248.0	248.0	248.7	246.5
60°	227.1	227.1	225.6	227.8	227.8	226.3	226.3	227.1	225.6	224.8	224.1
62.5°	201.7	202.4	204.7	205.4	206.2	204.7	203.2	203.9	203.9	201.7	202.4
65°	180.0	181.5	184.5	183.7	182.3	183.0	181.5	182.3	180.0	180.8	178.5
67.5°	159.1	158.3	159.1	159.1	160.6	159.8	158.3	158.3	157.6	159.8	157.6
70°	136.7	136.7	136.7	136.7	137.4	138.2	136.7	135.2	135.9	134.4	133.7
72.5°	113.5	114.3	113.5	115.0	112.8	114.3	114.3	113.5	112.8	112.8	112.8
75°	91.9	93.4	91.1	91.9	91.1	92.6	91.9	91.9	90.4	89.6	90.4
77.5°	70.2	71.0	69.5	70.2	69.5	70.2	70.2	69.5	69.5	69.5	69.5
80°	50.0	50.8	50.0	49.3	48.6	50.0	48.6	49.3	50.0	49.3	50.8
82.5°	32.1	32.1	31.4	32.1	30.6	30.6	31.4	31.4	30.6	32.1	30.6
85°	15.7	15.7	17.2	15.7	14.9	14.9	14.9	15.7	14.9	16.4	15.7
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.5	3.0
90°	17.9	18.1	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.1	17.9
92.5°	18.6	18.7	18.8	19.0	19.1	19.3	19.1	19.0	18.8	18.7	18.6
95°	31.5	31.4	31.2	31.1	30.9	30.7	30.9	31.1	31.2	31.4	31.5
97.5°	38.6	38.7	38.8	39.0	39.1	39.3	39.1	39.0	38.8	38.7	38.6
100°	46.5	46.7	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	46.5
102.5°	50.1	50.3	50.8	51.3	51.7	52.2	51.7	51.3	50.8	50.3	50.1
105°	51.5	51.8	52.4	53.1	53.7	54.3	53.7	53.1	52.4	51.8	51.5
107.5°	52.9	53.2	53.9	54.5	55.2	55.8	55.2	54.5	53.9	53.2	52.9
110°	53.6	53.9	54.6	55.2	55.9	56.5	55.9	55.2	54.6	53.9	53.6

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	55.1	55.3	55.8	56.3	56.7	57.2	56.7	56.3	55.8	55.3	55.1
115°	110.1	104.4	92.9	81.5	70.0	58.6	70.0	81.5	92.9	104.4	110.1
117.5°	377.6	356.8	315.1	273.5	231.8	190.2	231.8	273.5	315.1	356.8	377.6
120°	532.8	522.1	500.6	479.1	457.7	436.2	457.7	479.1	500.6	522.1	532.8
122.5°	570.7	570.8	570.9	571.1	571.2	571.4	571.2	571.1	570.9	570.8	570.7
125°	609.3	609.5	610.0	610.5	610.9	611.4	610.9	610.5	610.0	609.5	609.3
127.5°	646.5	646.6	646.7	646.9	647.0	647.2	647.0	646.9	646.7	646.6	646.5
130°	680.8	680.7	680.6	680.4	680.3	680.1	680.3	680.4	680.6	680.7	680.8
132.5°	713.0	712.9	712.7	712.6	712.4	712.2	712.4	712.6	712.7	712.9	713.0
135°	744.4	744.2	743.9	743.6	743.3	743.0	743.3	743.6	743.9	744.2	744.4
137.5°	773.7	773.5	773.0	772.5	772.1	771.6	772.1	772.5	773.0	773.5	773.7
140°	801.6	801.2	800.4	799.7	798.9	798.1	798.9	799.7	800.4	801.2	801.6
142.5°	827.4	827.0	826.2	825.4	824.6	823.8	824.6	825.4	826.2	827.0	827.4
145°	851.0	850.6	849.8	849.0	848.2	847.4	848.2	849.0	849.8	850.6	851.0
147.5°	871.7	871.4	870.7	870.1	869.4	868.8	869.4	870.1	870.7	871.4	871.7
150°	891.7	891.3	890.5	889.8	889.0	888.2	889.0	889.8	890.5	891.3	891.7
152.5°	909.6	909.0	907.9	906.8	905.7	904.6	905.7	906.8	907.9	909.0	909.6
155°	925.3	924.7	923.4	922.1	920.9	919.6	920.9	922.1	923.4	924.7	925.3
157.5°	939.6	939.0	937.7	936.4	935.2	933.9	935.2	936.4	937.7	939.0	939.6
160°	951.1	950.5	949.4	948.3	947.2	946.1	947.2	948.3	949.4	950.5	951.1
162.5°	962.5	961.8	960.4	958.9	957.5	956.1	957.5	958.9	960.4	961.8	962.5
165°	971.1	970.5	969.4	968.3	967.2	966.1	967.2	968.3	969.4	970.5	971.1
167.5°	979.0	978.3	976.8	975.4	973.9	972.5	973.9	975.4	976.8	978.3	979.0
170°	984.7	984.0	982.6	981.1	979.7	978.3	979.7	981.1	982.6	984.0	984.7
172.5°	989.0	988.3	986.8	985.4	983.9	982.5	983.9	985.4	986.8	988.3	989.0
175°	991.8	991.0	989.4	987.9	986.3	984.7	986.3	987.9	989.4	991.0	991.8
177.5°	992.6	991.9	990.4	989.0	987.5	986.1	987.5	989.0	990.4	991.9	992.6
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	922.5	928.4	926.2	918.0	927.7	927.7	934.4	934.4	942.6	945.6	950.1
5°	870.2	874.7	878.4	874.7	881.4	891.8	897.8	903.0	914.2	918.7	925.5
7.5°	814.2	822.4	826.1	826.1	837.3	849.3	861.2	868.7	884.4	890.3	897.1
10°	759.6	769.3	776.8	776.1	794.7	802.2	817.1	834.3	850.0	859.0	868.7
12.5°	702.1	707.3	717.8	732.7	737.2	750.7	767.8	789.5	817.9	826.1	840.3
15°	654.3	668.5	676.7	683.4	693.9	706.6	725.3	746.2	774.6	792.5	807.4
17.5°	614.0	632.7	637.9	636.4	649.8	669.3	690.9	706.6	732.0	753.7	767.8
20°	581.1	588.6	597.5	601.3	611.7	632.7	653.6	671.5	692.4	709.6	726.0
22.5°	548.2	554.2	561.7	568.4	576.6	588.6	608.8	631.2	651.3	667.8	686.4
25°	521.4	525.1	531.8	537.0	546.0	554.2	568.4	593.1	617.0	626.7	643.1
27.5°	495.2	498.2	502.7	508.7	513.1	521.4	534.1	554.2	578.9	588.6	611.0
30°	472.1	474.3	478.8	481.8	484.0	493.7	503.4	519.1	537.8	551.2	567.7
32.5°	450.4	452.6	457.1	457.9	460.9	466.1	475.0	489.2	505.7	516.9	531.1
35°	426.5	428.0	432.5	434.0	436.2	440.7	447.4	457.9	472.8	481.0	493.7
37.5°	407.8	407.1	410.1	412.3	415.3	417.5	419.8	430.2	441.4	448.9	458.6
40°	387.7	386.2	386.9	389.9	391.4	394.4	394.4	404.8	412.3	418.3	425.8
42.5°	367.5	366.7	365.3	366.7	368.2	369.0	369.7	377.2	384.7	389.9	398.1
45°	347.3	346.6	345.1	345.8	345.8	347.3	349.6	352.6	357.8	362.3	366.7
47.5°	328.7	327.2	324.9	324.2	325.7	325.7	325.7	328.7	333.9	335.4	339.9
50°	309.2	307.0	304.0	302.5	302.5	301.8	303.3	304.0	308.5	310.0	313.7
52.5°	288.3	286.8	283.8	280.8	281.6	280.1	280.8	281.6	283.1	285.3	287.6
55°	267.4	264.4	262.2	261.4	259.2	259.2	256.9	259.9	259.2	259.9	262.9
57.5°	247.2	244.2	240.5	239.0	236.8	236.0	234.5	233.8	234.5	236.8	239.0
60°	223.3	221.8	219.6	217.4	215.9	213.6	212.1	212.1	211.4	211.4	212.1
62.5°	200.2	199.4	196.4	195.7	194.2	192.7	190.5	189.0	189.0	190.5	191.2
65°	177.8	177.0	174.8	174.0	170.3	168.8	168.1	167.3	165.8	165.8	165.8
67.5°	156.9	154.6	154.6	150.9	147.9	146.4	144.9	144.2	144.2	144.2	144.9
70°	133.7	133.7	131.5	129.2	126.2	127.0	124.7	122.5	122.5	121.0	121.8
72.5°	111.3	110.5	108.3	107.6	105.3	103.1	101.6	103.1	100.8	100.1	100.8
75°	89.6	88.9	87.4	85.9	86.6	84.4	82.2	81.4	81.4	79.9	79.9
77.5°	68.7	70.2	67.2	66.5	65.0	63.5	62.7	62.0	62.0	62.0	63.5
80°	47.8	48.6	48.6	47.1	47.8	45.6	45.6	45.6	43.3	44.1	44.8
82.5°	30.6	30.6	29.9	30.6	29.9	29.9	29.1	29.1	28.4	28.4	29.1
85°	17.2	16.4	15.7	17.2	16.4	16.4	15.7	15.7	15.7	15.7	15.7
87.5°	3.7	4.5	4.5	4.5	4.5	5.2	5.2	5.2	6.0	6.0	6.0
90°	17.5	16.7	15.9	15.1	14.3	13.0	11.8	10.5	9.2	8.6	7.7
92.5°	18.4	18.1	17.8	17.5	17.2	16.7	16.2	15.7	15.2	15.0	15.3
95°	31.1	30.3	29.5	28.7	27.9	26.8	25.7	24.6	23.5	22.9	25.5
97.5°	38.4	37.9	37.4	37.0	36.5	33.9	31.4	28.8	26.3	25.0	31.5
100°	45.9	44.6	43.3	42.1	40.8	38.1	35.4	32.7	30.0	28.6	39.5
102.5°	49.2	47.5	45.7	44.0	42.2	71.1	100.0	128.9	157.8	172.3	172.5
105°	50.6	48.9	47.1	45.4	43.6	87.0	130.4	173.7	217.1	238.8	236.4
107.5°	52.0	50.3	48.6	46.8	45.1	98.6	152.2	205.7	259.2	286.0	284.0
110°	61.5	77.4	93.3	109.2	125.1	171.0	217.0	262.9	308.8	331.8	330.1

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CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	89.3	157.8	226.3	294.8	363.3	366.0	368.7	371.4	374.1	375.4	374.0
115°	146.9	220.5	294.0	367.6	441.2	437.2	433.2	429.3	425.3	423.3	422.0
117.5°	389.0	411.7	434.4	457.1	479.8	477.1	474.4	471.7	469.0	467.7	466.1
120°	531.8	529.9	528.0	526.1	524.2	521.3	518.5	515.6	512.7	511.3	510.1
122.5°	570.2	569.3	568.3	567.4	566.4	563.2	560.0	556.9	553.7	552.1	550.8
125°	608.7	607.6	606.5	605.4	604.3	601.3	598.3	595.2	592.2	590.7	589.7
127.5°	645.7	644.1	642.5	640.9	639.3	636.9	634.5	632.2	629.8	628.6	627.5
130°	679.9	678.2	676.4	674.7	672.9	671.1	669.4	667.6	665.9	665.0	663.7
132.5°	712.3	710.8	709.4	707.9	706.5	704.8	703.0	701.3	699.6	698.7	697.7
135°	743.6	742.0	740.5	738.9	737.3	735.9	734.4	733.0	731.5	730.8	729.5
137.5°	772.9	771.3	769.8	768.2	766.6	765.0	763.4	761.8	760.2	759.4	758.5
140°	800.9	799.5	798.0	796.6	795.2	793.4	791.7	789.9	788.2	787.3	786.7
142.5°	826.8	825.5	824.2	823.0	821.7	819.6	817.6	815.5	813.4	812.4	811.8
145°	850.4	849.3	848.2	847.1	846.0	843.3	840.6	837.9	835.2	833.8	833.9
147.5°	871.3	870.5	869.7	868.9	868.1	865.4	862.7	860.0	857.3	856.0	856.2
150°	891.2	890.3	889.3	888.4	887.4	884.9	882.3	879.8	877.3	876.0	876.6
152.5°	909.1	908.2	907.2	906.3	905.3	902.9	900.5	898.2	895.8	894.6	895.2
155°	924.8	923.9	923.0	922.0	921.1	919.2	917.3	915.4	913.5	912.5	913.2
157.5°	939.0	937.9	936.8	935.7	934.6	933.2	931.8	930.3	928.9	928.2	928.8
160°	950.6	949.7	948.7	947.8	946.8	945.8	944.9	943.9	943.0	942.5	943.0
162.5°	961.9	960.8	959.7	958.6	957.5	956.7	955.9	955.1	954.3	953.9	954.4
165°	970.5	969.4	968.3	967.2	966.1	965.6	965.2	964.7	964.2	964.0	964.5
167.5°	978.4	977.3	976.2	975.1	974.0	973.5	973.0	972.5	972.0	971.8	972.3
170°	984.1	983.0	981.9	980.8	979.7	979.4	979.1	978.8	978.5	978.3	978.8
172.5°	988.4	987.3	986.2	985.1	984.0	983.7	983.3	983.0	982.7	982.5	983.0
175°	991.2	990.1	989.0	987.9	986.8	986.5	986.2	985.9	985.6	985.4	986.0
177.5°	992.0	990.9	989.8	988.7	987.6	987.4	987.2	987.1	986.9	986.8	987.4
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	971.8	971.8	971.8	971.8
2.5°	953.8	953.8	965.0	977.0
5°	932.9	938.1	956.1	972.5
7.5°	912.8	921.7	944.1	965.0
10°	888.1	900.1	927.7	952.3
12.5°	864.2	875.4	907.5	935.2
15°	830.6	844.8	879.1	913.5
17.5°	797.0	811.2	853.0	893.3
20°	757.4	776.1	823.1	876.9
22.5°	720.8	743.9	796.2	839.6
25°	680.5	716.3	764.9	820.9
27.5°	644.6	680.5	729.8	786.5
30°	604.3	640.9	691.7	743.9
32.5°	565.4	599.0	648.3	712.6
35°	525.1	557.2	605.0	670.0
37.5°	488.5	519.9	572.2	631.9
40°	452.6	485.5	530.3	590.1
42.5°	419.0	448.2	488.5	548.2
45°	388.4	409.3	446.7	502.7
47.5°	356.3	375.0	409.3	465.3
50°	326.4	342.1	372.0	424.3
52.5°	297.3	310.7	338.4	380.2
55°	271.1	283.8	304.0	345.1
57.5°	244.2	254.0	273.4	306.2
60°	218.1	227.1	242.8	269.6
62.5°	192.0	199.4	214.4	236.0
65°	168.8	174.8	186.0	204.7
67.5°	146.4	150.1	159.1	174.0
70°	124.7	127.7	135.2	147.1
72.5°	101.6	104.6	112.8	121.0
75°	82.2	82.9	88.9	95.6
77.5°	64.2	63.5	68.0	73.2
80°	44.1	46.3	50.0	52.3
82.5°	29.9	30.6	32.1	33.6
85°	16.4	17.2	17.2	19.4
87.5°	6.7	7.5	7.5	8.2
90°	6.0	4.2	2.5	0.7
92.5°	16.0	16.6	17.3	17.9
95°	30.8	36.0	41.3	46.5
97.5°	44.6	57.6	70.7	83.7
100°	61.3	83.0	104.8	126.6
102.5°	172.8	173.1	173.5	173.8
105°	231.7	226.9	222.2	217.4
107.5°	280.1	276.1	272.2	268.2
110°	326.8	323.5	320.1	316.8

TEST NUMBER: P1029545

CATALOG NUMBER: S122DIW-B485D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	371.1	368.3	365.4	362.6
115°	419.3	416.6	413.9	411.2
117.5°	462.9	459.8	456.6	453.4
120°	507.7	505.4	503.0	500.6
122.5°	548.3	545.7	543.2	540.6
125°	587.6	585.5	583.5	581.4
127.5°	625.3	623.0	620.8	618.6
130°	661.2	658.7	656.1	653.6
132.5°	695.6	693.5	691.5	689.4
135°	727.0	724.5	721.9	719.4
137.5°	756.6	754.7	752.8	750.9
140°	785.4	784.1	782.9	781.6
142.5°	810.7	809.6	808.4	807.3
145°	834.0	834.2	834.3	834.5
147.5°	856.7	857.2	857.6	858.1
150°	877.7	878.8	879.9	881.0
152.5°	896.5	897.8	899.0	900.3
155°	914.6	916.1	917.5	918.9
157.5°	930.1	931.4	932.6	933.9
160°	943.9	944.9	945.8	946.8
162.5°	955.3	956.3	957.2	958.2
165°	965.4	966.3	967.3	968.2
167.5°	973.2	974.2	975.1	976.1
170°	979.7	980.6	981.6	982.5
172.5°	983.9	984.9	985.8	986.8
175°	987.1	988.2	989.3	990.4
177.5°	988.5	989.6	990.7	991.8
180°	988.3	988.3	988.3	988.3

(END OF REPORT)